



**JABATAN PERDANA MENTERI
JABATAN PERANGKAAN MALAYSIA**

PERANGKAAN PEMBUATAN BULANAN
MONTHLY MANUFACTURING STATISTICS

Disember **2021**
DECEMBER

Dikeluarkan pada : **8 FEBRUARI**
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PEMAKLUMAN / ANNOUNCEMENT

Jabatan Perangkaan Malaysia sedang menjalankan Survei Pendapatan, Perbelanjaan Isi Rumah dan Kemudahan Asas (HIES/BA) 2022 bermula dari 1 Januari 2022 sehingga 31 Disember 2022.

Department of Statistics Malaysia is conducting Household Income, Expenditure and Basic Amenities Survey (HIES/BA) 2022 from 1st January 2022 until 31st December 2022.

Dimaklumkan bahawa Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (MyStats Day) pada 20 Oktober setiap tahun. Tema sambutan MyStats Day adalah "Connecting the World with Data We Can Trust"

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KATA PENGANTAR

Penerbitan ini memaparkan perangkaan nilai jualan, bilangan pekerja bergaji dan gaji & upah secara bulanan berdasarkan Survei Pembuatan Bulanan. Objektif utama penerbitan ini adalah untuk menyediakan data aliran terkini sektor pembuatan bagi membantu pengguna dalam perancangan dan penggubalan dasar serta membuat keputusan.

Ringkasan penemuan dan jadual perangkaan yang terperinci dipaparkan masing-masing pada bahagian pertama dan kedua penerbitan ini. Sementara itu, aspek teknikal seperti skop dan liputan, konsep dan definisi yang digunakan dimuatkan pada bahagian ketiga bagi membantu pengguna memahami statistik yang diterbitkan.

Jabatan Perangkaan Malaysia merakamkan penghargaan atas kerjasama yang diberikan oleh responden dan juga semua pihak yang telah menyumbang secara langsung dan tidak langsung dalam menjayakan penerbitan ini. Setiap maklum balas dan cadangan untuk penambahbaikan penerbitan ini pada masa akan datang amat dihargai.

Dato' Sri Dr. Mohd Uzir Mahidin

Ketua Perangkawan Malaysia

Februari 2022

PREFACE

This publication presents monthly statistics on sales value, number of employees and salaries & wages based on the Monthly Manufacturing Survey. The main objective of this publication is to provide statistics on the latest trends of the manufacturing sector to assist users in the planning and formulation of policies and decision making.

The summary findings and detailed statistical tables are highlighted in the first and second part of this publication. Meanwhile, the technical aspects on scope and coverage, concepts and definitions used are provided in the third part to assist users to understand the published statistics.

The Department of Statistics, Malaysia gratefully acknowledges the co-operation rendered by the respondents as well as all parties who have contributed directly and indirectly in making this publication a success. Every feedback and suggestion towards improving future publication is highly appreciated.

Dato' Sri Dr. Mohd Uzir Mahidin

Chief Statistician Malaysia

February 2022

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KALENDAR KELUARAN AWALAN 2021, PERANGKAAN PEMBUATAN BULANAN
ADVANCE RELEASE CALENDAR YEAR 2021, MONTHLY MANUFACTURING STATISTICS

Bulan rujukan / Reference month	Tarikh / Date
Januari 2021 / January 2021	12.03.2021
Februari 2021 / February 2021	09.04.2021
Mac 2021 / March 2021	06.05.2021
April 2021 / April 2021	11.06.2021
Mei 2021 / May 2021	12.07.2021
Jun 2021 / June 2021	09.08.2021
Julai 2021 / July 2021	10.09.2021
Ogos 2021 / August 2021	12.10.2021
September 2021 / September 2021	09.11.2021
Oktober 2021 / October 2021	10.12.2021
November 2021 / November 2021	10.01.2022
Disember 2021 / December 2021	08.02.2022

Nota / Notes :

Kenyataan akhbar dihantar kepada pihak media pada tarikh pengeluaran dengan masa embargo ditetapkan bagi penyiaran. Kenyataan akhbar tersebut disiarkan selepas masa embargo di portal Jabatan Perangkaan Malaysia (<http://www.dosm.gov.my>)

A press statement is issued to the media on the date of release with a specified embargo time for release. The press statement is posted after the embargo time on the portal of Department of Statistics, Malaysia (<http://www.dosm.gov.my>)



RINGKASAN PENEMUAN

SUMMARY OF FINDINGS





JABATAN PERDANA MENTERI
JABATAN PERANGKAAN MALAYSIA



Nilai jualan sektor Pembuatan Malaysia berkembang 15.5 peratus pada Disember 2021 dengan jumlah RM143.9 bilion



NILAI JUALAN

RM143.9 bilion

15.5%

Nov. 2021: 18.8%
MoM: 1.1%



BILANGAN PEKERJA

2,259,619 orang

2.7%

Nov. 2021: 2.6%
MoM: 0.3%



GAJI & UPAH

RM8,121.5 juta

4.9%

Nov. 2021: 4.8%
MoM: 7.8%



NILAI JUALAN PER PEKERJA

RM63,688

12.4%

Nov. 2021: 15.7%
MoM: 0.8%

19.0%

Nov. 2021: 20.7%
MoM: -2.7%

**Makanan,
Minuman &
Tembakau**



6.9%

Nov. 2021: 10.9%
MoM: 3.0%

**Tekstil, Pakaian,
Kulit & Kasut**



10.0%

Nov. 2021: 10.5%
MoM: 0.004%

**Kayu, Perabot,
Keluasan Kertas &
Percetakan**



19.9%

Nov. 2021: 29.0%
MoM: -1.3%

**Petroleum,
Kimia, Getah &
Plastik**



NILAI JUALAN MENGIKUT SUBSEKTOR

**Produk Mineral
Bukan Logam,
Logam Asas &
Produk Logam
yang Direka**

7.2%

Nov. 2021: 9.5%
MoM: 4.0%



**Peralatan
Elektrik &
Elektronik**

18.4%

Nov. 2021: 17.8%
MoM: 6.3%



**Kelengkapan
Pengangkutan
& Pembuatan
Lain**

1.4%

Nov. 2021: 8.2%
MoM: -5.8%



Nota : Peratus pertumbuhan berasaskan perubahan
Tahun ke Tahun (YoY) dan Bulan ke Bulan (MoM)

Sumber : Perangkaan Pembuatan Bulanan, Malaysia
Disember 2021
Jabatan Perangkaan Malaysia



PRIME MINISTER'S DEPARTMENT
DEPARTMENT OF STATISTICS MALAYSIA



Malaysia's Manufacturing sales value expanded by 15.5 per cent in December 2021 with the total value of RM143.9 billion



SALES VALUE

RM143.9 billion

15.5%

Nov. 2021: 18.8%
MoM: 1.1%



NUMBER OF EMPLOYEES

2,259,619 persons

2.7%

Nov. 2021: 2.6%
MoM: 0.3%



SALARIES & WAGES

RM8,121.5 million

4.9%

Nov. 2021: 4.8%
MoM: 7.8%



SALES VALUE PER EMPLOYEE

RM63,688

12.4%

Nov. 2021: 15.7%
MoM: 0.8%

19.0%

Nov. 2021: 20.7%
MoM: -2.7%

**Food,
Beverages &
Tobacco**



6.9%

Nov. 2021: 10.9%
MoM: 3.0%

**Textile, Wearing
Apparel, Leather &
Footwear**



10.0%

Nov. 2021: 10.5%
MoM: 0.004%

**Wood, Furniture,
Paper Products &
Printing**



19.9%

Nov. 2021: 29.0%
MoM: -1.3%

**Petroleum
Chemical, Rubber
& Plastic**



SALES VALUE BY SUBSECTOR

**Non-Metallic
Mineral Products,
Basic Metal &
Fabricated Metal
Products**

7.2%

Nov. 2021: 9.5%
MoM: 4.0%



**Electrical &
Electronics
Products**

18.4%

Nov. 2021: 17.8%
MoM: 6.3%



**Transport
Equipment &
Other
Manufactures**

1.4%

Nov. 2021: 8.2%
MoM: -5.8%



Note : Percentage growth refers to Year-on-Year (YoY)
and Month-on-Month (MoM) changes

Source : Monthly Manufacturing Statistics, Malaysia
December 2021
Department of Statistics Malaysia

PERANGKAAAN PEMBUATAN BULANAN, MALAYSIA DISEMBER 2021

PRESTASI BULAN DISEMBER 2021

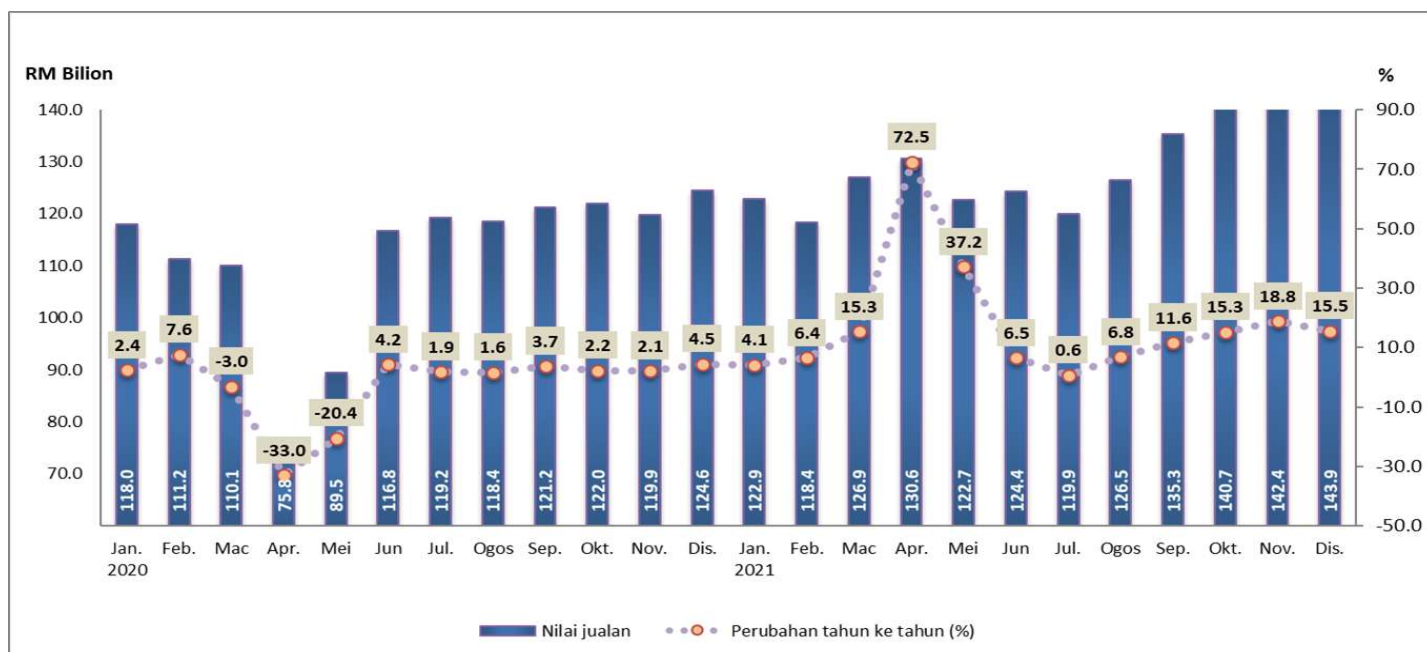
1

NILAI JUALAN SEKTOR PEMBUATAN

Nilai jualan sektor Pembuatan Malaysia pada bulan Disember 2021 berjumlah **RM143.9 bilion** meningkat kepada **15.5 peratus** berbanding RM124.6 bilion yang dilaporkan tahun sebelumnya (**Carta 1**). Berasaskan pertumbuhan bulan ke bulan, nilai jualan meningkat **1.1 peratus** (Nov. 2021: RM142.4 bilion) manakala bagi terma pelarasan musim, nilai jualan berkurang **0.4 peratus**.

Peningkatan tahun ke tahun pada bulan Disember 2021 adalah dipacu oleh Produk Petroleum, Kimia, Getah & Plastik (**19.9%**), Produk Makanan, Minuman & Tembakau (**19.0%**) dan Produk Elektrik & Elektronik (**18.4%**).

Carta 1: Nilai Jualan Sektor Pembuatan



* Nota :

- Laporan ini boleh diperoleh daripada laman portal Jabatan Perangkaan Malaysia (<https://www.dosm.gov.my>) di bawah ruangan: **Siaran Terkini**.
- Data bagi bulan Disember 2021 merupakan data **awalan**. Data ini akan dikemaskini berdasarkan data terkini yang diperoleh dan akan diterbitkan dalam penerbitan bulan Januari 2022.

2

BILANGAN PEKERJA

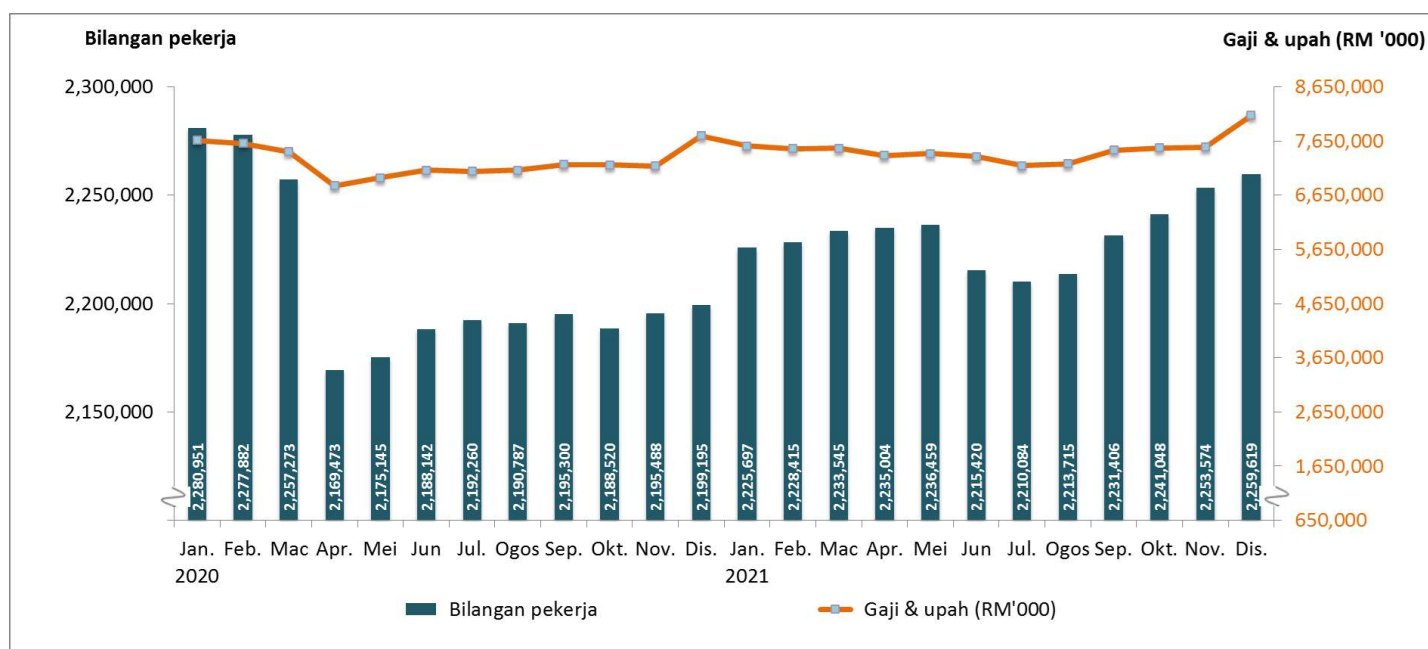
Jumlah pekerja sektor Pembuatan pada bulan Disember 2021 adalah seramai **2,259,619 orang**, meningkat **2.7 peratus** berbanding 2,199,195 orang pada Disember 2020 (**Carta 2**). Pada tempoh rujukan tersebut, bilangan pekerja meningkat **0.3 peratus** berbanding 2,253,574 orang dicatatkan pada bulan sebelumnya.

3

GAJI & UPAH

Gaji & upah yang dibayar adalah berjumlah **RM8,121.5 juta**, meningkat **4.9 peratus** atau **RM377.8 juta** pada Disember 2021 berbanding bulan yang sama tahun sebelumnya. Sementara itu, nilai gaji & upah yang dibayar pada bulan Disember 2021 meningkat **7.8 peratus** (**RM586.0 juta**) berbanding November 2021.

Carta 2: Bilangan Pekerja dan Gaji & Upah Sektor Pembuatan

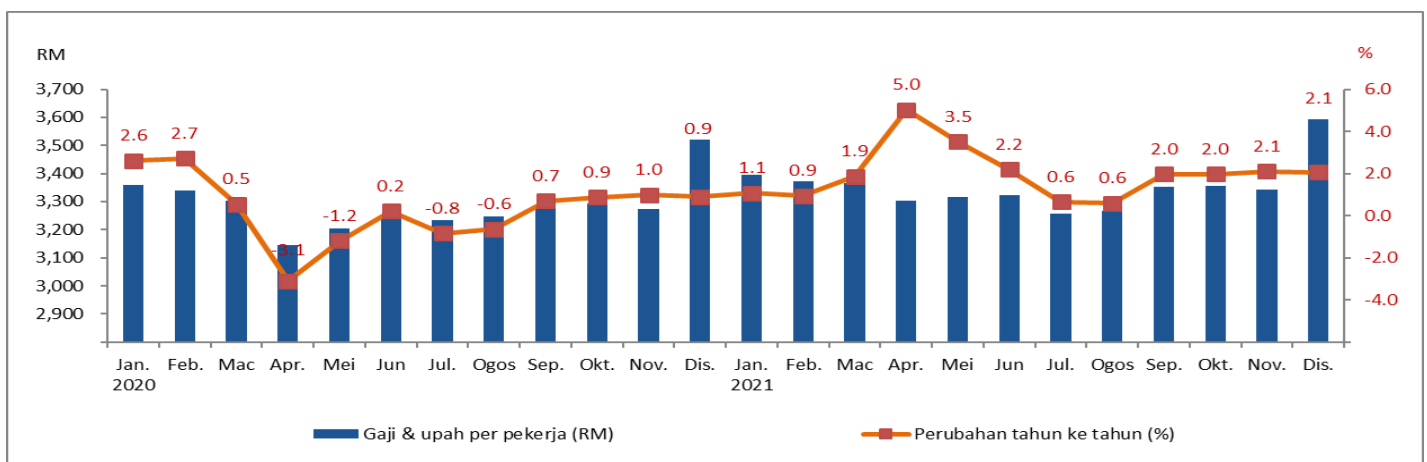


4

PURATA GAJI & UPAH PER PEKERJA

Purata gaji & upah yang dibayar bagi setiap pekerja pada bulan Disember 2021 adalah sebanyak **RM3,594** iaitu meningkat **2.1 peratus** berbanding bulan yang sama tahun 2020 (**Carta 3**). Sementara itu, purata gaji & upah bagi setiap pekerja meningkat **7.5 peratus** berbanding November 2021 (**RM3,344**).

Carta 3: Gaji & Upah Per Pekerja Sektor Pembuatan

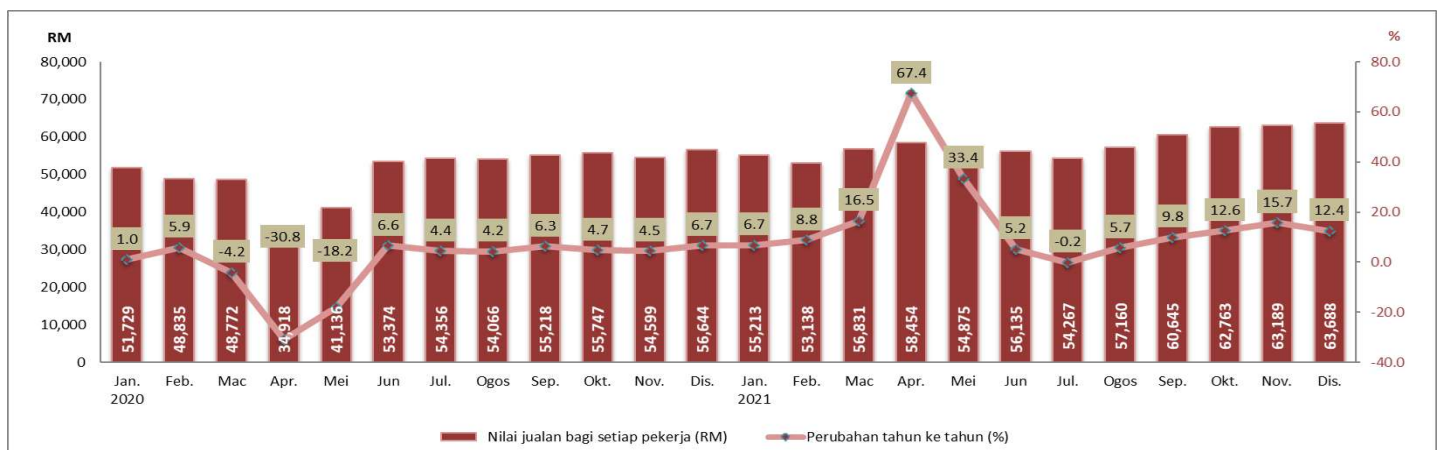


5

NILAI JUALAN PER PEKERJA

Nilai jualan bagi setiap pekerja pada Disember 2021 meningkat **12.4 peratus** kepada **RM63,688** berbanding bulan yang sama tahun sebelumnya (**Carta 4**). Sementara itu, bulan ke bulan, purata nilai jualan bagi setiap pekerja meningkat **0.8 peratus**.

Carta 4: Nilai Jualan Per Pekerja Sektor Pembuatan



6

PRESTASI SUKU TAHUN KEEMPAT 2021

Nilai jualan sektor Pembuatan meningkat **16.5 peratus** kepada **RM427.0 bilion** pada suku tahun keempat 2021 berbanding suku tahun yang sama tahun sebelumnya. Peningkatan ini didorong oleh penurunan dalam Produk Petroleum, Kimia, Getah dan Plastik (**25.2%**), Produk Peralatan Elektrik & Elektronik (**17.7%**) dan Produk Makanan, Minuman & Tembakau (**17.0%**). Bilangan pekerja dan gaji & upah meningkat **2.7 peratus** dan **4.7 peratus** pada suku tahun keempat 2021.

7

PRESTASI BAGI TEMPOH JANUARI-DISEMBER 2021

Nilai jualan sektor Pembuatan bagi tempoh Januari hingga Disember 2021 merekodkan peningkatan **15.5 peratus** kepada **RM1,554.7 bilion** berbanding tempoh yang sama tahun 2020. Bilangan pekerja pada tempoh tersebut bertambah **2.7 peratus** kepada **2,259,619 orang** manakala gaji & upah dibayar mencatatkan peningkatan **3.0 peratus** kepada **RM89.8 bilion**.

Nilai jualan per pekerja pada tempoh rujukan meningkat sebanyak **12.4 peratus** kepada **RM688,053**. Butiran terperinci seperti yang ditunjukkan di dalam Jadual A.

**Jadual A : Nilai Jualan, Bilangan Pekerja dan Gaji & Upah,
Januari-Disember 2021**

Perangkaan Pembuatan Bulanan	Januari-Disember		% Perubahan
	2020	2021	
Nilai Jualan (RM juta)	1,346,619.6	1,554,738.3	15.5
Bilangan Pekerja	2,199,195	2,259,619	2.7
Gaji & Upah (RM juta)	87,194.2	88,829.5	3.0
Nilai Jualan Per Pekerja (RM)	612,324	688,053	12.4

MONTHLY MANUFACTURING STATISTICS, MALAYSIA

DECEMBER 2021

PERFORMANCE IN DECEMBER 2021

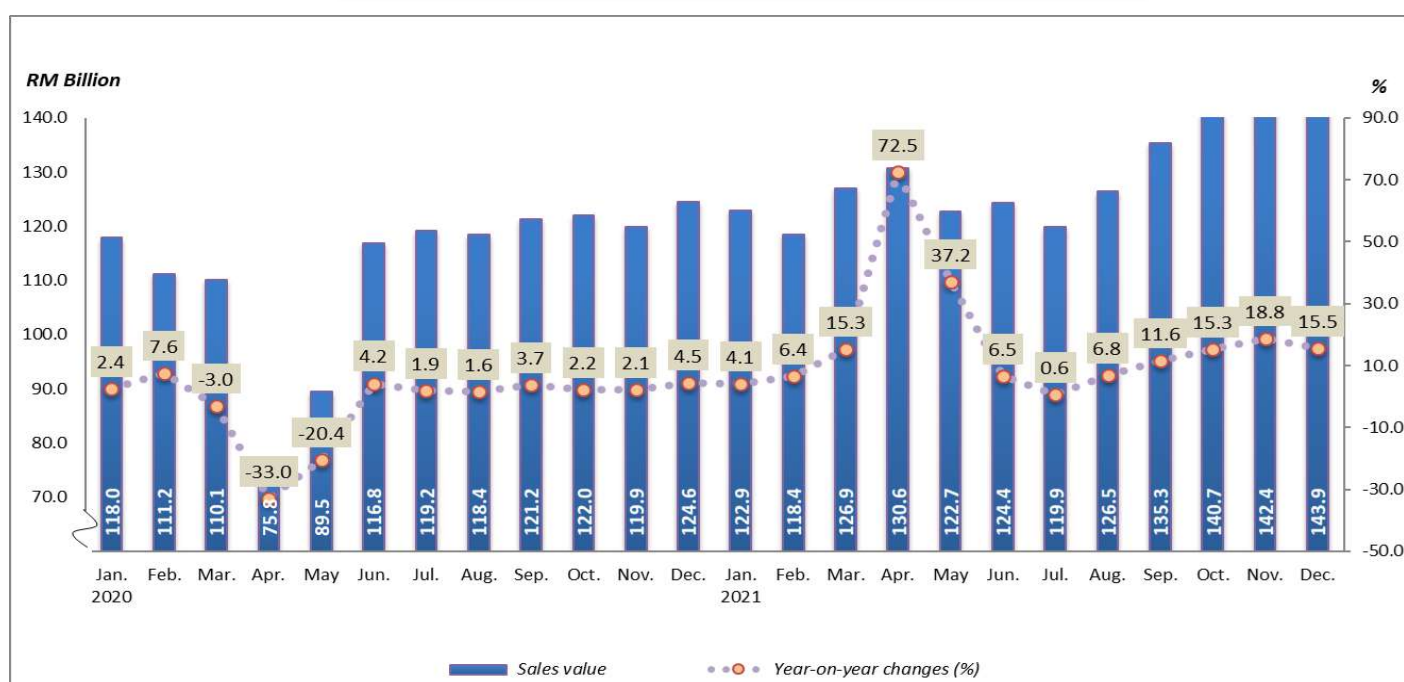
1

SALES VALUE OF THE MANUFACTURING SECTOR

Malaysia's Manufacturing sales in December 2021 stood at **RM143.9 billion**, grew **15.5 per cent** as compared to RM124.6 billion reported a year ago (**Chart 1**). On month-on-month growth, the sales value went up by **1.1 per cent** (Nov. 2021: RM142.4 billion) while in a seasonally adjusted terms, the sales value decreased by **0.4 per cent**.

The year-on-year increase in December 2021 was driven by Petroleum, Chemical, Rubber & Plastic Products (**19.9%**), Food, Beverages & Tobacco Products (**19.0%**) and Electrical & Electronics Products (**18.4%**).

Chart 1 : Sales Value of the Manufacturing Sector



*Notes:

1. This report can be accessed through the web portal of the Department of Statistics, Malaysia (<https://www.dosm.gov.my>) under the section: **Latest Releases**.
2. Data for December 2021 is **provisional**. The data will be updated based on the latest available figures and subsequently published in the January 2022 publication.

2

NUMBER OF EMPLOYEES

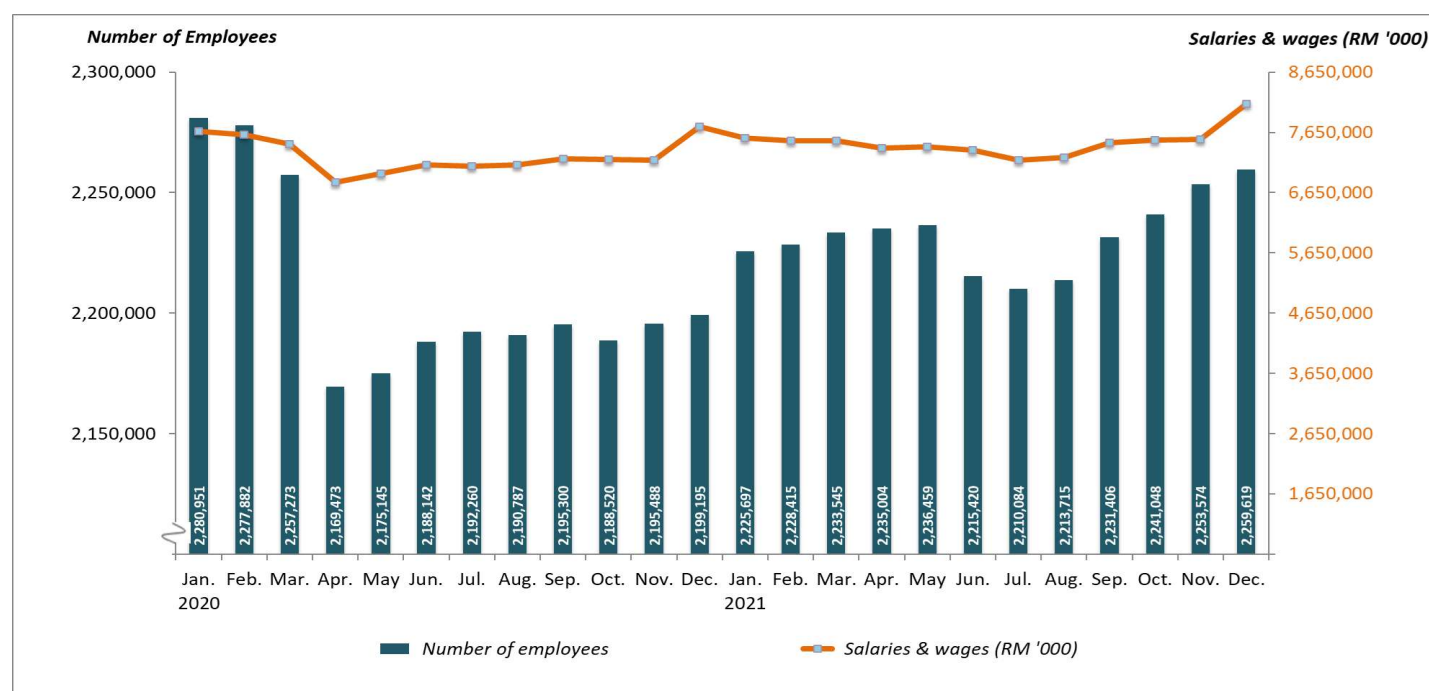
Total employees engaged in the Manufacturing sector in December 2021 was **2,259,619 persons**, an increase of **2.7 per cent** as compared to 2,199,195 persons in December 2020 (**Chart 2**). During the reference period, the number of employees increased by **0.3 per cent** as compared to 2,253,574 persons registered in the preceding month.

3

SALARIES & WAGES

Salaries & wages paid amounted to **RM8,121.5 million**, rose by **4.9 per cent** or **RM377.8 million** in December 2021 as against the same month of the preceding year. Meanwhile, salaries & wages paid in December 2021 increased by **7.8 per cent** (**RM586.0 million**) as compared to November 2021.

Chart 2 : Number of Employees and Salaries & Wages in Manufacturing Sector

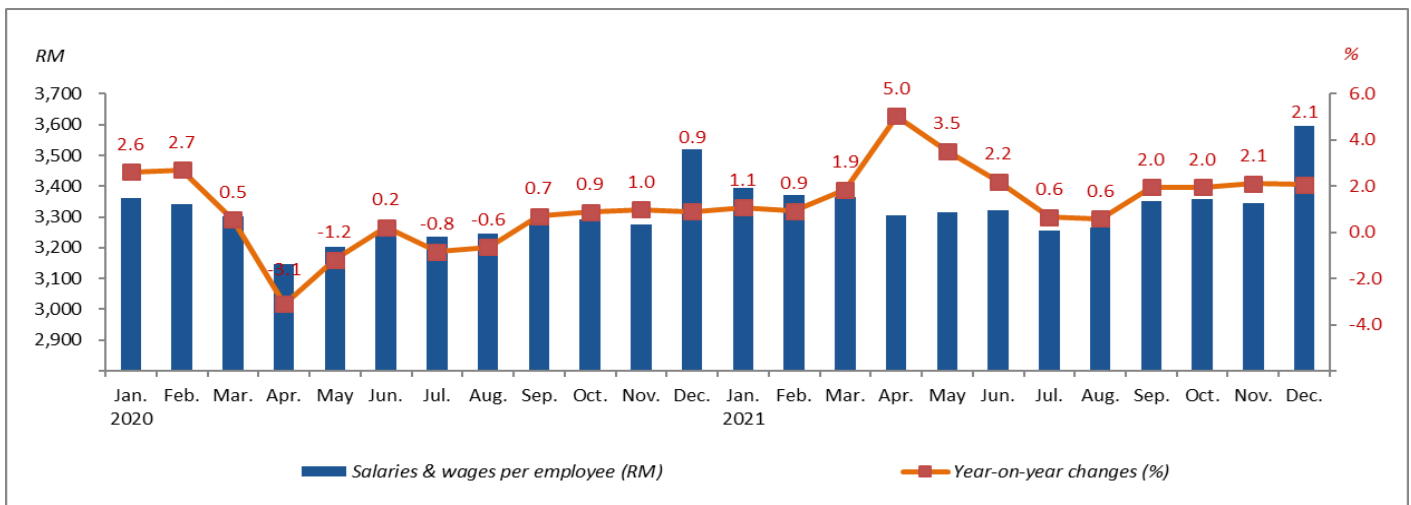


4

AVERAGE SALARIES & WAGES PER EMPLOYEE

The average salaries & wages paid per employee in December 2021 was **RM3,594**, increased by **2.1 per cent** as compared to the same month in 2020 (**Chart 3**). Whilst, average salaries & wages paid per employee increased **7.5 per cent** as compared to November 2021 (**RM3,344**).

Chart 3 : Salaries & Wages Per Employee in Manufacturing Sector

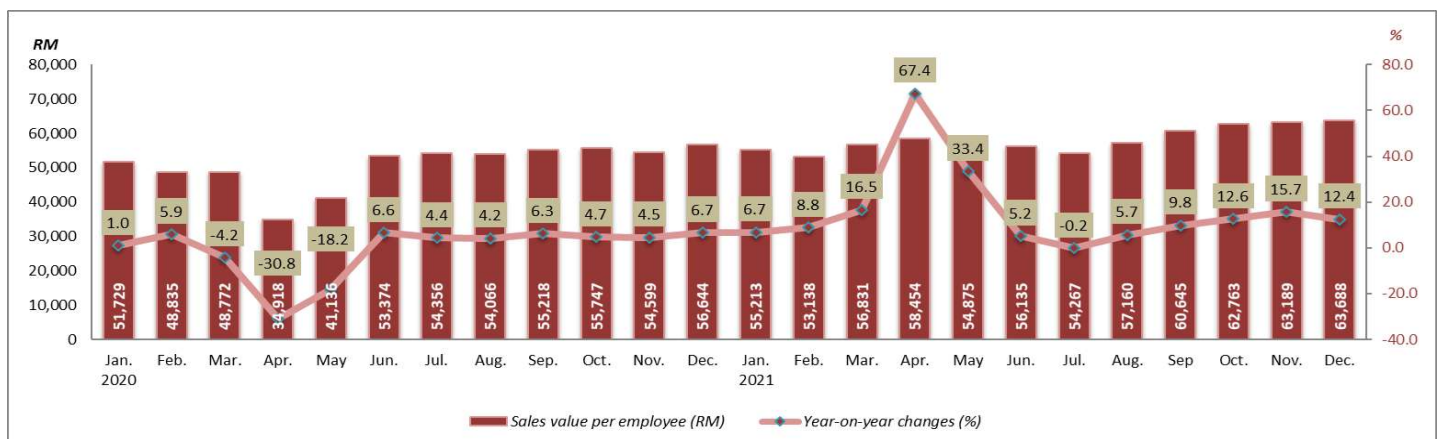


5

SALES VALUE PER EMPLOYEE

The sales value per employee in December 2021 increased by **12.4 per cent** to register **RM63,688** as compared with the same month of the previous year (**Chart 4**). Meanwhile, on month-on-month basis, the average sales value per employee went up by **0.8 per cent**.

Chart 4 : Sales Value Per Employee in Manufacturing Sector



6

PERFORMANCE OF FOURTH QUARTER 2021

In the fourth quarter 2021, the sales value of the Manufacturing sector grew **16.5 per cent** to **RM427.0 billion** as compared to the same quarter of the previous year. The increase was driven by Petroleum, Chemical, Rubber & Plastics Products (**25.2%**), Electrical & Electronics Products (**17.7%**) and Food, Beverages & Tobacco Products (**17.0%**). The number of employees and salaries & wages rose **2.7 per cent** and **4.7 per cent** respectively in the fourth quarter 2021.

7

PERFORMANCE IN THE PERIOD JANUARY-DECEMBER 2021

The sales value of the Manufacturing sector for the period of January to December 2021 recorded an increase of **15.5 per cent** to **RM1,554.7 billion** as compared to the same period in 2020. The number of employees in the period increased by **2.7 per cent** to **2,259,619 persons** while salaries & wages paid registered a growth of **3.0 per cent** to **RM89.8 billion**.

The sales value per employee during the reference period rose by **12.4 per cent** to record **RM688,053**. The detailed information as shown in Table A.

**Table A: Sales Value, Number of Employees and Salaries & Wages,
January-December 2021**

Monthly Manufacturing Statistics	January-December		% Change
	2020	2021	
Sales Value (RM million)	1,346,619.6	1,554,738.3	15.5
Number of Employees	2,199,195	2,259,619	2.7
Salaries & Wages (RM million)	87,194.2	88,829.5	3.0
Sales Value Per Employee (RM)	612,324	688,053	12.4



JADUAL *TABLES*



Jadual
Table

1

: Perangkaan Utama Sektor Pembuatan
: Principal Statistics of Manufacturing Sector

Tempoh Period		Nilai Jualan Produk Yang Dibuat Sendiri (Di Kilang) <i>Sales value of own (Ex-factory)</i> (RM Juta/Million)				Bilangan Pekerja Bergaji Pada Akhir Tempoh <i>Number of employees engaged at end of period</i>				Gaji & Upah Yang Dibayar <i>Salaries & wages paid</i> (RM Juta/Million)			
		Data Asal (Original Data)	% YoY	Pelarasan Musim (Seasonally Adjusted)	% MoM	Data Asal (Original Data)	% YoY	Pelarasan Musim (Seasonally Adjusted)	% MoM	Data Asal (Original Data)	% YoY	Pelarasan Musim (Seasonally Adjusted)	% MoM
2019		1,376,027				2,243,788				88,206			
2020		1,346,620 -2.1				2,199,195 -2.0				87,194 -1.1			
2021		1,554,738 15.5				2,259,619 2.7				89,830 3.0			
2020	Q1	339,324	2.2			2,257,273	1.2			22,728	3.4		
	Q2	282,020	-16.5			2,188,142	-2.2			20,906	-4.0		
	Q3	358,828	2.4			2,195,300	-2.4			21,420	-2.7		
	Q4	366,447	3.0			2,199,195	-2.0			22,139	-1.3		
2021	Q1	368,234	8.5			2,233,545	-1.1			22,584	-0.6		
	Q2	377,735	33.9			2,215,420	1.2			22,162	6.0		
	Q3	381,793	6.4			2,231,406	1.6			21,904	2.3		
	Q4	426,976	16.5			2,259,619	2.7			23,180	4.7		
2020	(Jan. - Dis.)	1,346,620	-2.1			2,199,195	-2.0			87,194	-1.1		
2021	(Jan. - Dis.)	1,554,738	15.5			2,259,619	2.7			89,830	3.0		
2020	Jan.	117,992	2.4	115,199	0.3	2,280,951	1.4	2,267,144	0.6	7,664	4.1	7,528	0.2
	Feb.	111,240	7.6	121,801	5.7	2,277,882	1.6	2,263,952	-0.1	7,608	4.4	7,558	0.4
	Mac	110,091	-3.0	110,100	-9.6	2,257,273	1.2	2,248,392	-0.7	7,456	1.8	7,348	-2.8
	Apr.	75,754	-33.0	78,580	-28.6	2,169,473	-3.2	2,165,645	-3.7	6,825	-6.2	6,843	-6.9
	Mei	89,477	-20.4	92,850	18.2	2,175,145	-2.8	2,168,265	0.1	6,968	-3.9	7,021	2.6
	Jun	116,789	4.2	120,799	30.1	2,188,142	-2.2	2,192,900	1.1	7,113	-2.0	7,172	2.2
	Jul.	119,162	1.9	117,900	-2.4	2,192,260	-2.4	2,194,905	0.1	7,091	-3.2	7,154	-0.2
	Ogo.	118,446	1.6	116,100	-1.5	2,190,787	-2.5	2,197,327	0.1	7,113	-3.2	7,182	0.4
	Sep.	121,220	3.7	118,000	1.6	2,195,300	-2.4	2,199,219	0.1	7,217	-1.7	7,264	1.1
	Okt.	122,004	2.2	116,800	-1.0	2,188,520	-2.3	2,198,927	-0.01	7,205	-1.5	7,313	0.7
	Nov.	119,872	2.1	116,800	0.0	2,195,488	-2.2	2,205,367	0.3	7,190	-1.3	7,366	0.7
	Dis.	124,571	4.5	119,800	2.6	2,199,195	-2.0	2,207,524	0.1	7,744	-1.1	7,424	0.8
2021	Jan.	122,887	4.1	119,811	0.01	2,225,697	-2.4	2,211,521	0.2	7,558	-1.4	7,423	-0.02
	Feb.	118,412	6.4	129,751	8.3	2,228,415	-2.2	2,214,552	0.1	7,512	-1.3	7,463	0.5
	Mac	126,935	15.3	127,089	-2.1	2,233,545	-1.1	2,224,979	0.5	7,514	0.8	7,407	-0.8
	Apr.	130,646	72.5	135,527	6.6	2,235,004	3.0	2,230,721	0.3	7,386	8.2	7,405	-0.03
	Mei	122,726	37.2	127,415	-6.0	2,236,459	2.8	2,229,970	-0.03	7,416	6.4	7,470	0.9
	Jun	124,363	6.5	128,805	1.1	2,215,420	1.2	2,220,505	-0.4	7,360	3.5	7,426	-0.6
	Jul.	119,934	0.6	118,568	-7.9	2,210,084	0.8	2,212,629	-0.4	7,195	1.5	7,259	-2.2
	Ogo.	126,536	6.8	123,906	4.5	2,213,715	1.0	2,220,109	0.3	7,231	1.7	7,300	0.6
	Sep.	135,323	11.6	131,658	6.3	2,231,406	1.6	2,235,340	0.7	7,479	3.6	7,527	3.1
	Okt.	140,655	15.3	134,714	2.3	2,241,048	2.4	2,251,834	0.7	7,523	4.4	7,635	1.4
	Nov.	142,411	18.8	138,859	3.1	2,253,574	2.6	2,263,852	0.5	7,536	4.8	7,722	1.1
	Dis.	143,911	15.5	138,236	-0.4	2,259,619	2.7	2,267,988	0.2	8,122	4.9	7,783	0.8

Jadual **1.1a** : Nilai Jualan Sektor Pembuatan Mengikut Subsektor
 Table : Sales Value of Manufacturing Sector by Sub-sector

Subsektor Sub-sector	2019	2020	2021	2020					
				Q1	Q2	Q3	Q4	Q1	
1. Makanan, minuman dan tembakau	234,352	251,984	283,918	53,618	64,554	67,149	66,664	59,219	
Food, beverages and tobacco									
10 Pembuatan produk makanan Manufacture of food products	217,874	239,437	270,349	49,605	62,975	63,781	63,077	55,237	
11 Pembuatan minuman Manufacture of beverages	12,569	9,487	10,629	3,067	1,395	2,434	2,590	3,009	
12 Pembuatan produk tembakau Manufacture of tobacco products	3,909	3,060	2,940	946	184	934	997	973	
2. Tekstil, pakaian, kulit dan kasut	22,465	19,816	21,954	5,529	3,607	5,015	5,665	5,641	
Textiles, wearing apparel, leather and footwear									
13 Pembuatan tekstil Manufacture of textiles	10,063	8,867	10,728	2,491	1,577	2,251	2,548	2,594	
14 Pembuatan pakaian Manufacture of wearing apparel	9,747	8,771	9,037	2,399	1,662	2,215	2,495	2,391	
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	2,656	2,177	2,189	638	369	549	621	656	
3. Produk kayu, perabot, keluaran kertas dan percetakan	82,466	72,615	76,494	20,628	11,530	19,797	20,660	21,054	
Wood products, furniture, paper products and printing									
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	29,330	22,282	23,028	7,400	2,300	6,008	6,573	6,881	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	22,745	22,276	25,788	5,582	4,934	5,887	5,874	6,180	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	12,575	11,533	12,098	3,170	1,879	3,184	3,300	3,291	
31 Pembuatan perabot Manufacture of furniture	17,816	16,524	15,579	4,475	2,416	4,718	4,914	4,702	
4. Petroleum, kimia, getah dan plastik	347,522	338,815	432,121	91,295	76,356	82,598	88,566	98,651	
Petroleum, chemical, rubber and plastic									
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	149,476	128,477	175,557	40,657	27,680	28,840	31,300	33,513	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	103,081	90,600	102,329	25,391	19,771	22,071	23,367	26,389	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	6,748	7,843	9,185	1,768	2,006	2,111	1,959	2,117	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	88,216	111,894	145,049	23,479	26,899	29,576	31,940	36,632	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka	164,666	139,470	149,345	40,753	22,788	36,273	39,656	41,006	
Non-metallic mineral products, basic metal and fabricated metal									
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	49,309	40,189	42,773	12,121	5,878	10,558	11,633	12,338	
24 Pembuatan logam asas Manufacture of basic metals	52,158	45,895	49,566	13,128	6,784	12,518	13,465	13,195	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	63,199	53,385	57,006	15,504	10,126	13,197	14,558	15,472	
6. Produk elektrik dan elektronik	424,225	422,176	483,198	103,535	86,460	118,052	114,129	115,062	
Electrical and electronic products									
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	343,999	343,227	391,925	84,522	69,688	96,026	92,991	94,964	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	43,293	42,124	48,489	10,096	8,418	12,051	11,558	10,668	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	36,932	36,825	42,783	8,917	8,354	9,974	9,580	9,430	
7. Kelengkapan pengangkutan dan pembuatan lain	100,331	101,743	107,710	23,966	16,725	29,945	31,107	27,602	
Transport equipment and other manufactures									
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	68,377	72,975	77,384	15,932	11,717	22,262	23,065	19,553	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	14,796	12,945	14,103	3,766	2,191	3,237	3,752	3,735	
32 Pembuatan lain Other manufacturing	11,155	10,499	10,897	2,847	1,947	2,883	2,821	2,885	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	6,003	5,324	5,326	1,421	870	1,563	1,469	1,430	
Pembuatan	Jumlah								
Manufacturing	Total	1,376,027	1,346,620	1,554,738	339,324	282,020	358,828	366,447	368,234

(RM Juta/Million)

2021			2020		2021		2020						
Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
73,656	73,063	77,981	251,984	283,918	18,353	18,026	17,239	20,200	20,885	23,469	21,572	21,892	23,685
70,737	70,520	73,855	239,437	270,349	16,957	16,706	15,942	19,832	20,416	22,727	20,547	20,753	22,481
2,325	2,276	3,019	9,487	10,629	1,081	1,023	964	362	437	596	714	853	867
594	266	1,108	3,060	2,940	314	297	334	6	32	146	311	285	337
5,199	5,046	6,068	19,816	21,954	1,914	1,867	1,748	740	1,242	1,626	1,650	1,646	1,719
2,678	2,542	2,913	8,867	10,728	858	850	783	307	564	706	725	764	762
2,057	2,097	2,492	8,771	9,037	834	806	759	387	556	718	734	709	772
463	408	662	2,177	2,189	222	210	206	46	122	202	192	172	185
16,461	16,769	22,210	72,615	76,494	7,051	6,833	6,744	2,023	3,245	6,262	6,500	6,536	6,761
4,165	4,709	7,273	22,282	23,028	2,573	2,446	2,381	146	236	1,918	1,957	1,919	2,132
6,384	6,476	6,748	22,276	25,788	1,796	1,873	1,913	1,369	1,621	1,943	1,953	1,961	1,973
2,682	2,708	3,417	11,533	12,098	1,117	1,064	988	393	626	860	1,023	1,079	1,081
3,230	2,876	4,772	16,524	15,579	1,564	1,449	1,462	114	762	1,540	1,567	1,577	1,575
111,747	110,869	110,854	338,815	432,121	31,748	28,852	30,695	25,080	24,688	26,588	27,130	27,895	27,572
44,230	48,092	49,722	128,477	175,557	14,973	12,717	12,967	9,921	8,748	9,012	9,368	10,005	9,466
23,165	25,586	27,189	90,600	102,329	8,616	8,243	8,532	5,984	6,485	7,302	7,337	7,411	7,323
2,260	2,405	2,403	7,843	9,185	566	581	621	622	645	740	694	712	705
42,092	34,786	31,539	111,894	145,049	7,593	7,311	8,575	8,554	8,811	9,535	9,732	9,767	10,077
33,686	31,954	42,699	139,470	149,345	14,316	13,518	12,920	4,513	7,412	10,862	11,734	12,060	12,479
9,803	8,765	11,867	40,189	42,773	4,228	4,029	3,863	939	1,951	2,988	3,487	3,520	3,550
10,295	11,235	14,840	45,895	49,566	4,574	4,406	4,148	1,201	1,711	3,872	3,921	4,085	4,512
13,588	11,954	15,992	53,385	57,006	5,514	5,082	4,908	2,373	3,751	4,003	4,326	4,455	4,417
112,357	121,467	134,311	422,176	483,198	35,964	34,158	33,414	20,919	26,734	38,807	40,318	38,289	39,444
89,376	98,431	109,155	343,227	391,925	29,379	27,875	27,268	17,006	21,569	31,113	32,680	30,998	32,348
11,692	12,381	13,748	42,124	48,489	3,603	3,301	3,192	1,965	2,611	3,843	4,105	4,041	3,905
11,289	10,655	11,408	36,825	42,783	2,982	2,981	2,954	1,948	2,554	3,852	3,533	3,250	3,191
24,630	22,624	32,854	101,743	107,710	8,647	7,988	7,331	2,280	5,270	9,175	10,257	10,128	9,560
17,264	16,298	24,269	72,975	77,384	5,825	5,428	4,678	1,420	3,629	6,668	7,750	7,563	6,949
3,295	3,011	4,062	12,945	14,103	1,334	1,187	1,245	371	767	1,052	1,053	1,072	1,112
2,941	2,140	2,931	10,499	10,897	1,015	936	897	338	660	949	931	975	977
1,129	1,176	1,591	5,324	5,326	473	437	511	150	215	505	524	518	522
377,735	381,793	426,976	1,346,620	1,554,738	117,992	111,240	110,091	75,754	89,477	116,789	119,162	118,446	121,220

Jadual **1.1a** : Nilai Jualan Sektor Pembuatan Mengikut Subsektor
Table : Sales Value of Manufacturing Sector by Sub-sector

Subsektor Sub-sector	2020		
	Okt.	Nov.	Dis.
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	23,834	21,557	21,273
10 Pembuatan produk makanan <i>Manufacture of food products</i>	22,640	20,418	20,018
11 Pembuatan minuman <i>Manufacture of beverages</i>	858	832	900
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	335	307	355
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	1,880	1,830	1,955
13 Pembuatan tekstil <i>Manufacture of textiles</i>	852	830	866
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	833	793	870
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	195	207	219
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	6,860	6,885	6,915
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	2,105	2,183	2,285
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	2,011	1,971	1,891
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	1,089	1,102	1,109
31 Pembuatan perabot <i>Manufacture of furniture</i>	1,656	1,629	1,630
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	28,166	29,285	31,115
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	9,505	10,409	11,386
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	7,235	7,692	8,440
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	673	660	626
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	10,753	10,523	10,664
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	12,768	13,041	13,848
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	3,642	3,881	4,109
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	4,535	4,442	4,488
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	4,590	4,718	5,250
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	38,579	36,706	38,845
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	31,324	29,754	31,913
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	4,048	3,791	3,720
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	3,207	3,161	3,212
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	9,918	10,569	10,620
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	7,257	7,824	7,984
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	1,226	1,293	1,233
32 Pembuatan lain <i>Other manufacturing</i>	938	936	947
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	497	515	457
Pembuatan <i>Manufacturing</i>	122,004	119,872	124,571
Jumlah <i>Total</i>			

(RM Juta/Million)

2021											
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
19,772	19,642	19,805	24,322	23,763	25,570	23,110	23,428	26,525	26,644	26,020	25,316
18,473	18,360	18,404	23,034	22,704	24,998	22,455	22,584	25,481	25,183	24,716	23,956
979	981	1,049	1,004	821	499	578	790	908	1,067	975	977
320	301	352	284	237	72	77	54	135	393	330	384
1,907	1,848	1,886	1,797	1,717	1,684	1,642	1,677	1,727	1,949	2,029	2,090
858	835	900	882	862	934	858	838	845	920	981	1,012
824	801	766	730	686	640	680	702	715	818	823	852
224	212	220	184	169	110	103	137	167	211	225	226
7,006	6,712	7,336	6,372	5,455	4,634	4,476	5,842	6,451	6,996	7,607	7,607
2,293	2,177	2,412	1,884	1,265	1,016	1,012	1,744	1,953	2,235	2,467	2,571
1,947	1,965	2,268	2,221	2,079	2,084	2,049	2,195	2,232	2,284	2,285	2,179
1,136	1,091	1,064	1,062	934	687	801	935	971	983	1,210	1,224
1,631	1,478	1,593	1,206	1,177	847	614	968	1,294	1,494	1,646	1,633
32,617	30,649	35,385	37,391	36,714	37,642	38,594	36,647	35,628	35,765	37,790	37,299
11,805	10,576	11,133	14,568	14,947	14,715	16,463	16,084	15,545	15,666	17,604	16,452
8,703	8,570	9,116	7,417	7,405	8,343	8,308	8,817	8,461	8,560	8,877	9,751
660	700	756	722	695	843	766	799	839	818	807	778
11,449	10,803	14,380	14,684	13,667	13,742	13,058	10,947	10,782	10,720	10,501	10,318
14,198	13,230	13,577	13,219	11,643	8,823	8,520	10,766	12,668	13,570	14,279	14,851
4,222	3,969	4,148	3,709	3,417	2,678	2,662	2,946	3,157	3,559	4,073	4,235
4,562	4,287	4,346	4,216	3,416	2,663	2,488	3,871	4,876	4,920	4,931	4,989
5,414	4,975	5,084	5,295	4,811	3,482	3,370	3,950	4,634	5,090	5,275	5,627
38,267	37,691	39,105	37,685	35,029	39,643	36,823	40,942	43,702	45,080	43,256	45,976
31,435	31,219	32,309	29,877	27,850	31,648	30,008	32,876	35,547	36,676	34,928	37,551
3,739	3,363	3,566	3,934	3,667	4,090	3,750	4,271	4,360	4,586	4,514	4,648
3,092	3,108	3,230	3,873	3,512	3,904	3,066	3,794	3,795	3,818	3,814	3,776
9,121	8,642	9,840	9,859	8,404	6,366	6,767	7,235	8,622	10,651	11,431	10,771
6,392	6,170	6,991	6,894	6,015	4,355	4,976	5,182	6,140	7,901	8,460	7,908
1,266	1,129	1,339	1,337	994	964	866	1,031	1,114	1,303	1,415	1,344
997	909	978	1,148	1,067	726	593	655	891	941	991	999
466	433	531	481	328	321	332	366	477	506	565	519
122,887	118,412	126,935	130,646	122,726	124,363	119,934	126,536	135,323	140,655	142,411	143,911

Subsektor Sub-sector	2020	2021	2020				2021				2020 (Jan. - Dis.)	
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
1. Makanan, minuman dan tembakau Food, beverages and tobacco	7.5	12.7	-1.9	8.5	13.8	9.0	10.4	14.1	8.8	17.0	7.5	
10 Pembuatan produk makanan Manufacture of food products	9.9	12.9	-2.0	13.9	16.0	10.6	11.4	12.3	10.6	17.1	9.9	
11 Pembuatan minuman Manufacture of beverages	-24.5	12.0	0.2	-56.8	-21.2	-18.8	-1.9	66.6	-6.5	16.5	-24.5	
12 Pembuatan produk tembakau Manufacture of tobacco products	-21.7	-3.9	-4.9	-81.2	-2.5	2.0	2.9	222.9	-71.5	11.1	-21.7	
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	-11.8	10.8	2.0	-35.3	-10.2	-3.6	2.0	44.1	0.6	7.1	-11.8	
13 Pembuatan tekstil Manufacture of textiles	-11.9	21.0	1.2	-37.3	-10.3	-1.1	4.1	69.8	12.9	14.3	-11.9	
14 Pembuatan pakaian Manufacture of wearing apparel	-10.0	3.0	3.7	-30.1	-8.6	-5.2	-0.4	23.8	-5.3	-0.1	-10.0	
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	-18.0	0.6	-1.3	-46.2	-16.1	-7.2	2.8	25.6	-25.7	6.6	-18.0	
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	-11.9	5.3	0.6	-43.0	-3.6	-2.5	2.1	42.8	-15.3	7.5	-11.9	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	-24.0	3.4	-1.1	-68.4	-15.4	-12.0	-7.0	81.0	-21.6	10.7	-24.0	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	-2.1	15.8	0.5	-13.3	1.7	2.8	10.7	29.4	10.0	14.9	-2.1	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	-8.3	4.9	0.9	-39.1	1.6	2.7	3.8	42.7	-15.0	3.5	-8.3	
31 Pembuatan perabot Manufacture of furniture	-7.3	-5.7	3.6	-42.2	4.7	2.2	5.1	33.7	-39.0	-2.9	-7.3	
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	-2.5	27.5	6.7	-10.3	-5.6	-0.8	8.1	46.3	34.2	25.2	-2.5	
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	-14.0	36.6	7.8	-21.5	-21.9	-20.9	-17.6	59.8	66.8	58.9	-14.0	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	-12.1	12.9	1.1	-24.7	-16.2	-7.8	3.9	17.2	15.9	16.4	-12.1	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	16.2	17.1	8.8	21.2	22.1	12.6	19.8	12.7	13.9	22.7	16.2	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	26.8	29.6	11.1	22.4	31.7	41.1	56.0	56.5	17.6	-1.3	26.8	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	-15.3	7.1	2.2	-45.2	-12.5	-5.1	0.6	47.8	-11.9	7.7	-15.3	
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	-18.5	6.4	1.8	-52.2	-14.1	-9.2	1.8	66.8	-17.0	2.0	-18.5	
24 Pembuatan logam asas Manufacture of basic metals	-12.0	8.0	4.1	-46.8	-6.4	0.4	0.5	51.7	-10.2	10.2	-12.0	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	-15.5	6.8	0.8	-38.6	-16.3	-6.5	-0.2	34.2	-9.4	9.8	-15.5	
6. Produk elektrik dan elektronik Electrical and electronic products	-0.5	14.5	1.5	-15.7	7.2	4.3	11.1	30.0	2.9	17.7	-0.5	
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	-0.2	14.2	1.7	-16.1	7.6	4.9	12.4	28.3	2.5	17.4	-0.2	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	-2.7	15.1	-0.1	-18.2	5.5	0.8	5.7	38.9	2.7	18.9	-2.7	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	-0.3	16.2	0.8	-9.8	5.0	2.8	5.7	35.1	6.8	19.1	-0.3	
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	1.4	5.9	-0.2	-27.3	14.1	15.0	15.2	47.3	-24.4	5.6	1.4	
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	6.7	6.0	-0.5	-23.7	22.5	22.6	22.7	47.3	-26.8	5.2	6.7	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	-12.5	8.9	-0.7	-36.5	-11.1	-4.1	-0.8	50.4	-7.0	8.3	-12.5	
32 Pembuatan lain Other manufacturing	-5.9	3.8	3.5	-29.3	1.8	0.2	1.3	51.0	-25.8	3.9	-5.9	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	-11.3	0.04	-1.3	-40.1	-2.7	-2.2	0.6	29.8	-24.8	8.3	-11.3	
Pembuatan Manufacturing	Jumlah Total	-2.1	15.5	2.2	-16.5	2.4	3.0	8.5	33.9	6.4	16.5	-2.1

																									(%)
2021	2020												2021												
(Jan. - Dis.)	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
12.7	-7.5	9.1	-5.9	-2.1	3.9	25.3	14.8	12.3	14.2	13.8	5.1	7.9	7.7	9.0	14.9	20.4	13.8	9.0	7.1	7.0	12.0	11.8	20.7	19.0	
12.9	-8.1	9.6	-5.9	3.0	9.3	31.1	17.7	14.5	15.9	15.8	6.7	9.3	8.9	9.9	15.4	16.1	11.2	10.0	9.3	8.8	13.3	11.2	21.0	19.7	
12.0	1.3	4.8	-5.3	-65.7	-60.5	-44.1	-28.7	-20.2	-15.0	-19.4	-22.3	-14.6	-9.4	-4.1	8.9	177.0	88.0	-16.2	-19.1	-7.4	4.8	24.3	17.2	8.5	
-3.9	-4.2	-3.3	-6.9	-98.2	-90.2	-54.7	-4.9	-5.9	3.1	2.6	3.0	0.7	1.7	1.2	5.4	4,736.7	641.2	-50.5	-75.2	-81.2	-59.9	17.4	7.6	8.3	
10.8	2.8	8.6	-5.0	-59.7	-34.4	-12.2	-12.8	-12.5	-5.2	-3.9	-8.2	1.4	-0.4	-1.0	7.9	143.0	38.3	3.6	-0.5	1.9	0.5	3.7	10.9	6.9	
21.0	3.1	9.8	-8.3	-64.3	-34.1	-11.7	-12.9	-10.7	-7.4	-3.2	-1.1	1.1	0.1	-1.8	15.0	187.6	52.7	32.4	18.4	9.7	11.0	7.9	18.2	16.9	
3.0	3.6	9.0	-1.2	-48.5	-31.2	-12.2	-11.9	-13.0	-0.3	-2.7	-14.1	1.9	-1.2	-0.6	0.9	88.6	23.4	-10.9	-7.3	-1.1	-7.5	-1.8	3.8	-2.1	
0.6	-0.9	3.0	-5.7	-79.6	-46.7	-13.8	-16.0	-17.7	-14.9	-11.6	-10.2	0.4	1.3	0.8	6.6	303.9	39.2	-45.6	-46.1	-20.6	-9.4	8.4	8.5	3.1	
5.3	2.5	5.9	-5.8	-70.4	-52.9	-3.9	-4.1	-5.2	-1.5	-3.2	-3.2	-1.1	-0.6	-1.8	8.8	215.0	68.1	-26.0	-31.1	-10.6	-4.6	2.0	10.5	10.0	
3.4	-1.9	4.4	-5.3	-94.1	-90.5	-17.6	-17.9	-18.5	-9.7	-13.3	-12.8	-9.9	-10.9	-11.0	1.3	1,192.4	434.9	-47.0	-48.3	-9.1	-8.4	6.2	13.0	12.5	
15.8	1.9	4.5	-4.2	-29.4	-16.3	7.1	1.8	1.2	2.1	2.2	1.9	4.4	8.4	4.9	18.6	62.2	28.2	7.2	4.9	11.9	13.2	13.6	15.9	15.2	
4.9	4.3	5.2	-6.8	-62.7	-40.1	-12.8	1.0	0.8	3.1	1.4	2.0	4.7	1.7	2.5	7.6	169.9	49.2	-20.1	-21.7	-13.3	-10.2	-9.7	9.8	10.4	
-5.7	9.9	11.1	-8.1	-91.7	-46.6	11.4	7.4	3.2	3.6	2.2	1.9	2.6	4.3	2.0	8.9	956.3	54.5	-45.0	-60.8	-38.6	-17.8	-9.8	1.0	0.2	
27.5	6.1	9.6	4.6	-9.8	-14.0	-7.2	-8.2	-4.9	-3.6	-4.4	-1.3	3.1	2.7	6.2	15.3	49.1	48.7	41.6	42.3	31.4	29.2	27.0	29.0	19.9	
36.6	10.0	12.2	1.5	-13.9	-25.3	-25.0	-25.5	-18.5	-21.6	-25.5	-20.2	-17.4	-21.2	-16.8	-14.1	46.8	70.9	63.3	75.7	60.8	64.2	64.8	69.1	44.5	
12.9	1.3	6.6	-3.9	-29.3	-28.3	-16.6	-17.3	-16.5	-14.8	-15.0	-9.9	1.7	1.0	4.0	6.8	23.9	14.2	14.3	13.2	19.0	15.5	18.3	15.4	15.5	
17.1	4.5	11.5	10.5	18.0	13.9	31.5	20.7	22.6	22.9	12.7	10.0	15.3	16.7	20.5	21.9	16.2	7.8	13.9	10.4	12.3	19.0	21.7	22.1	24.4	
29.6	4.6	8.5	20.1	17.5	19.1	30.5	29.5	28.9	36.9	41.7	40.5	40.9	50.8	47.8	67.7	71.7	55.1	44.1	34.2	12.1	7.0	-0.3	-0.2	-3.2	
7.1	4.7	6.4	-4.4	-67.5	-46.8	-20.8	-15.1	-13.6	-8.7	-6.6	-6.1	-2.7	-0.8	-2.1	5.1	192.9	57.1	-18.8	-27.4	-10.7	1.5	6.3	9.5	7.2	
6.4	5.5	6.4	-5.9	-77.1	-52.9	-26.3	-15.1	-14.6	-12.7	-11.9	-9.8	-5.9	-0.2	-1.5	7.4	294.8	75.2	-10.4	-23.7	-16.3	-11.1	-2.3	4.9	3.1	
8.0	4.2	7.8	0.5	-71.0	-60.3	-10.1	-11.5	-9.9	2.1	2.6	-0.8	-0.6	-0.2	-2.7	4.8	251.0	99.6	-31.2	-36.5	-5.2	8.1	8.5	11.0	11.2	
6.8	4.6	5.4	-7.1	-58.0	-31.6	-25.3	-18.0	-16.1	-14.7	-10.3	-7.5	-1.9	-1.8	-2.1	3.6	123.2	28.3	-13.0	-22.1	-11.3	4.9	10.9	11.8	7.2	
14.5	4.3	6.4	-5.7	-39.6	-19.9	12.3	8.4	6.0	7.2	3.8	4.8	4.2	6.4	10.3	17.0	80.2	31.0	2.2	-8.7	6.9	10.8	16.8	17.8	18.4	
14.2	4.8	6.7	-5.8	-39.5	-19.7	10.8	8.6	6.6	7.7	4.2	5.7	4.7	7.0	12.0	18.5	75.7	29.1	1.7	-8.2	6.1	9.9	17.1	17.4	17.7	
15.1	0.2	4.3	-4.7	-43.3	-24.1	13.5	7.2	4.3	5.0	1.3	0.7	0.3	3.8	1.9	11.7	100.3	40.5	6.4	-8.6	5.7	11.7	13.3	19.1	25.0	
16.2	3.9	5.3	-6.1	-36.8	-17.4	24.8	8.0	2.2	4.7	3.7	0.7	4.0	3.7	4.3	9.3	98.8	37.5	1.4	-13.2	16.7	18.9	19.0	20.7	17.6	
5.9	1.3	5.8	-7.4	-69.5	-29.9	14.4	14.3	13.6	14.3	9.3	15.3	20.5	5.5	8.2	34.2	332.4	59.5	-30.6	-34.0	-28.6	-9.8	7.4	8.2	1.4	
6.0	0.2	5.6	-7.6	-71.3	-26.6	22.1	21.5	22.4	23.5	13.6	22.8	31.7	9.7	13.7	49.4	385.6	65.8	-34.7	-35.8	-31.5	-11.6	8.9	8.1	-0.9	
8.9	2.4	6.5	-9.5	-67.7	-34.3	-7.2	-7.9	-14.4	-10.6	-3.2	-3.0	-6.1	-5.1	-4.9	7.6	259.8	29.7	-8.4	-17.7	-3.8	0.2	6.3	9.4	9.0	
3.8	6.5	9.2	-4.8	-62.8	-27.8	2.0	1.1	1.5	2.8	2.3	0.5	-2.2	-1.8	-2.8	9.1	239.2	61.6	-23.5	-36.3	-32.8	-8.8	0.4	5.9	5.5	
0.04	1.2	0.1	-4.7	-67.5	-56.6	1.8	-2.4	-1.3	-4.4	-1.3	-3.1	-2.3	-1.4	-0.9	3.8	219.4	52.7	-36.5	-36.6	-29.3	-8.5	1.8	9.8	13.7	
15.5	2.4	7.6	-3.0	-33.0	-20.4	4.2	1.9	1.6	3.7	2.2	2.1	4.5	4.1	6.4	15.3	72.5	37.2	6.5	0.6	6.8	11.6	15.3	18.8	15.5	

Jadual 1.1c : Nilai Jualan Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Bulanan/Suku Tahunan
Table 1.1c : Sales Value of Manufacturing Sector by Sub-sector: Monthly/Quarterly Percentage Change

Subsektor Sub-sector	2020				2021				Jan.	Feb.	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1. Makanan, minuman dan tembakau	-12.4	20.4	4.0	-0.7	-11.2	24.4	-0.8	6.7	-6.9	-1.8	
Food, beverages and tobacco											
10 Pembuatan produk makanan Manufacture of food products	-13.0	27.0	1.3	-1.1	-12.4	28.1	-0.3	4.7	-7.4	-1.5	
11 Pembuatan minuman Manufacture of beverages	-3.8	-54.5	74.5	6.4	16.2	-22.7	-2.1	32.6	2.6	-5.4	
12 Pembuatan produk tembakau Manufacture of tobacco products	-3.2	-80.5	407.7	6.7	-2.4	-38.9	-55.2	316.2	-10.7	-5.4	
2. Tekstil, pakaian, kulit dan kasut	-5.9	-34.7	39.0	13.0	-0.4	-7.8	-2.9	20.2	-0.8	-2.5	
Textiles, wearing apparel, leather and footwear											
13 Pembuatan tekstil Manufacture of textiles	-3.3	-36.7	42.7	13.2	1.8	3.3	-5.1	14.6	0.1	-0.8	
14 Pembuatan pakaian Manufacture of wearing apparel	-8.9	-30.7	33.3	12.7	-4.2	-14.0	1.9	18.9	-2.2	-3.4	
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	-4.7	-42.2	48.8	13.3	5.6	-29.4	-12.0	62.5	1.4	-5.0	
3. Produk kayu, perabot, keluaran kertas dan percetakan	-2.7	-44.1	71.7	4.4	1.9	-21.8	1.9	32.4	0.8	-3.1	
Wood products, furniture, paper products and printing											
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	-0.9	-68.9	161.2	9.4	4.7	-39.5	13.1	54.5	1.5	-4.9	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	-2.3	-11.6	19.3	-0.2	5.2	3.3	1.4	4.2	-0.8	4.3	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	-1.3	-40.7	69.4	3.6	-0.3	-18.5	0.9	26.2	5.5	-4.7	
31 Pembuatan perabot Manufacture of furniture	-6.9	-46.0	95.3	4.2	-4.3	-31.3	-11.0	65.9	-1.5	-7.3	
4. Petroleum, kimia, getah dan plastik	2.2	-16.4	8.2	7.2	11.4	13.3	-0.8	-0.01	5.2	-9.1	
Petroleum, chemical, rubber and plastic											
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	2.7	-31.9	4.2	8.5	7.1	32.0	8.7	3.4	8.7	-15.1	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	0.2	-22.1	11.6	5.9	12.9	-12.2	10.5	6.3	3.8	-4.3	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	1.6	13.5	5.2	-7.2	8.1	6.8	6.4	-0.1	4.3	2.7	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	3.7	14.6	10.0	8.0	14.7	14.9	-17.4	-9.3	0.3	-3.7	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka	-2.5	-44.1	59.2	9.3	3.4	-17.9	-5.1	33.6	0.6	-5.6	
Non-metallic mineral products, basic metal and fabricated metal products											
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	-5.3	-51.5	79.6	10.2	6.1	-20.5	-10.6	35.4	-3.1	-4.7	
24 Pembuatan logam asas Manufacture of basic metals	-2.1	-48.3	84.5	7.6	-2.0	-22.0	9.1	32.1	1.3	-3.7	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	-0.4	-34.7	30.3	10.3	6.3	-12.2	-12.0	33.8	3.0	-7.8	
6. Produk elektrik dan elektronik	-5.4	-16.5	36.5	-3.3	0.8	-2.4	8.1	10.6	-3.5	-5.0	
Electrical and electronic products											
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	-4.7	-17.6	37.8	-3.2	2.1	-5.9	10.1	10.9	-3.6	-5.1	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	-12.0	-16.6	43.2	-4.1	-7.7	9.6	5.9	11.0	-2.8	-8.4	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	-4.3	-6.3	19.4	-4.0	-1.6	19.7	-5.6	7.1	-3.4	-0.03	
7. Kelengkapan pengangkutan dan pembuatan lain	-11.4	-30.2	79.0	3.9	-11.3	-10.8	-8.1	45.2	-1.8	-7.6	
Transport equipment and other manufactures											
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	-15.3	-26.5	90.0	3.6	-15.2	-11.7	-5.6	48.9	-3.9	-6.8	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	-3.8	-41.8	47.7	15.9	-0.5	-11.8	-8.6	34.9	1.6	-11.0	
32 Pembuatan lain Other manufacturing	1.1	-31.6	48.0	-2.1	2.3	2.0	-27.3	37.0	4.9	-7.8	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	-5.4	-38.8	79.6	-6.0	-2.7	-21.0	4.1	35.3	1.1	-7.5	
Pembuatan	Jumlah	-4.6	-16.9	27.2	2.1	0.5	2.6	1.1	11.8	-1.0	-5.7
Manufacturing	Total										

																						(%)
2020												2021										
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
-4.4	17.2	3.4	12.4	-8.1	1.5	8.2	0.6	-9.6	-1.3	-7.1	-0.7	0.8	22.8	-2.3	7.6	-9.6	1.4	13.2	0.4	-2.3	-2.7	
-4.6	24.4	2.9	11.3	-9.6	1.0	8.3	0.7	-9.8	-2.0	-7.7	-0.6	0.2	25.2	-1.4	10.1	-10.2	0.6	12.8	-1.2	-1.9	-3.1	
-5.8	-62.4	20.5	36.5	19.8	19.5	1.6	-1.0	-3.1	8.2	8.8	0.1	7.0	-4.3	-18.2	-39.2	15.7	36.8	14.9	17.5	-8.7	0.2	
12.2	-98.2	444.8	356.2	113.2	-8.3	18.1	-0.6	-8.5	15.7	-9.9	-5.8	16.9	-19.2	-16.5	-69.5	6.8	-30.5	151.9	191.0	-16.1	16.4	
-6.3	-57.7	67.9	30.9	1.5	-0.3	4.4	9.4	-2.7	6.9	-2.5	-3.1	2.1	-4.7	-4.4	-1.9	-2.5	2.1	3.0	12.8	4.1	3.0	
-7.9	-60.8	83.9	25.1	2.7	5.4	-0.3	11.8	-2.6	4.3	-0.9	-2.7	7.8	-2.0	-2.4	8.4	-8.1	-2.3	0.9	8.8	6.7	3.2	
-5.8	-49.0	43.6	29.2	2.1	-3.4	8.9	7.8	-4.8	9.8	-5.3	-2.9	-4.3	-4.6	-6.1	-6.6	6.2	3.1	1.8	14.5	0.6	3.5	
-2.0	-77.9	167.1	65.5	-5.0	-10.0	7.2	5.5	6.2	6.0	2.2	-5.5	3.7	-16.3	-7.9	-35.3	-5.8	32.6	22.2	26.3	6.2	0.7	
-1.3	-70.0	60.4	92.9	3.8	0.6	3.4	1.5	0.4	0.4	1.3	-4.2	9.3	-13.1	-14.4	-15.1	-3.4	30.5	10.4	8.5	8.7	0.004	
-2.7	-93.9	62.2	711.2	2.0	-1.9	11.1	-1.3	3.7	4.7	0.3	-5.0	10.8	-21.9	-32.9	-19.7	-0.4	72.4	12.0	14.4	10.4	4.2	
2.1	-28.4	18.4	19.9	0.5	0.4	0.6	2.0	-2.0	-4.0	2.9	0.9	15.4	-2.1	-6.4	0.2	-1.7	7.1	1.7	2.3	0.01	-4.6	
-7.2	-60.2	59.1	37.4	19.0	5.5	0.2	0.7	1.2	0.6	2.4	-3.9	-2.5	-0.2	-12.0	-26.4	16.6	16.7	3.8	1.2	23.1	1.2	
0.9	-92.2	567.4	102.2	1.7	0.6	-0.1	5.2	-1.6	0.1	0.04	-9.3	7.8	-24.3	-2.4	-28.1	-27.4	57.5	33.7	15.4	10.2	-0.8	
6.4	-18.3	-1.6	7.7	2.0	2.8	-1.2	2.2	4.0	6.2	4.8	-6.0	15.5	5.7	-1.8	2.5	2.5	-5.0	-2.8	0.4	5.7	-1.3	
2.0	-23.5	-11.8	3.0	4.0	6.8	-5.4	0.4	9.5	9.4	3.7	-10.4	5.3	30.9	2.6	-1.6	11.9	-2.3	-3.3	0.8	12.4	-6.5	
3.5	-29.9	8.4	12.6	0.5	1.0	-1.2	-1.2	6.3	9.7	3.1	-1.5	6.4	-18.6	-0.1	12.7	-0.4	6.1	-4.0	1.2	3.7	9.8	
6.8	0.2	3.7	14.8	-6.3	2.7	-1.0	-4.6	-1.8	-5.3	5.6	6.1	8.0	-4.5	-3.8	21.3	-9.2	4.4	5.0	-2.5	-1.4	-3.5	
17.3	-0.3	3.0	8.2	2.1	0.4	3.2	6.7	-2.1	1.3	7.4	-5.6	33.1	2.1	-6.9	0.5	-5.0	-16.2	-1.5	-0.6	-2.0	-1.7	
-4.4	-65.1	64.2	46.5	8.0	2.8	3.5	2.3	2.1	6.2	2.5	-6.8	2.6	-2.6	-11.9	-24.2	-3.4	26.4	17.7	7.1	5.2	4.0	
-4.1	-75.7	107.7	53.2	16.7	0.9	0.9	2.6	6.6	5.9	2.7	-6.0	4.5	-10.6	-7.9	-21.6	-0.6	10.6	7.2	12.7	14.4	4.0	
-5.9	-71.0	42.5	126.3	1.3	4.2	10.5	0.5	-2.1	1.0	1.7	-6.0	1.4	-3.0	-19.0	-22.0	-6.6	55.6	26.0	0.9	0.2	1.2	
-3.4	-51.7	58.1	6.7	8.1	3.0	-0.8	3.9	2.8	11.3	3.1	-8.1	2.2	4.2	-9.2	-27.6	-3.2	17.2	17.3	9.8	3.6	6.7	
-2.2	-37.4	27.8	45.2	3.9	-5.0	3.0	-2.2	-4.9	5.8	-1.5	-1.5	3.8	-3.6	-7.0	13.2	-7.1	11.2	6.7	3.2	-4.0	6.3	
-2.2	-37.6	26.8	44.2	5.0	-5.1	4.4	-3.2	-5.0	7.3	-1.5	-0.7	3.5	-7.5	-6.8	13.6	-5.2	9.6	8.1	3.2	-4.8	7.5	
-3.3	-38.4	32.9	47.2	6.8	-1.5	-3.4	3.6	-6.3	-1.9	0.5	-10.0	6.0	10.3	-6.8	11.5	-8.3	13.9	2.1	5.2	-1.6	3.0	
-0.9	-34.0	31.1	50.8	-8.3	-8.0	-1.8	0.5	-1.4	1.6	-3.7	0.5	3.9	19.9	-9.3	11.2	-21.5	23.8	0.02	0.6	-0.1	-1.0	
-8.2	-68.9	131.2	74.1	11.8	-1.3	-5.6	3.7	6.6	0.5	-14.1	-5.3	13.9	0.2	-14.8	-24.3	6.3	6.9	19.2	23.5	7.3	-5.8	
-13.8	-69.7	155.6	83.8	16.2	-2.4	-8.1	4.4	7.8	2.0	-19.9	-3.5	13.3	-1.4	-12.7	-27.6	14.3	4.1	18.5	28.7	7.1	-6.5	
4.8	-70.2	106.5	37.2	0.01	1.9	3.7	10.2	5.5	-4.7	2.7	-10.8	18.6	-0.2	-25.6	-3.1	-10.1	19.1	8.0	17.0	8.6	-5.0	
-4.2	-62.3	95.0	43.8	-1.9	4.7	0.2	-4.0	-0.2	1.2	5.3	-8.8	7.6	17.4	-7.1	-31.9	-18.3	10.5	35.9	5.6	5.3	0.8	
17.0	-70.6	42.8	135.1	3.7	-1.1	0.7	-4.7	3.6	-11.3	2.0	-7.1	22.6	-9.5	-31.7	-2.3	3.6	10.3	30.3	6.1	11.7	-8.1	
-1.0	-31.2	18.1	30.5	2.0	-0.6	2.3	0.6	-1.7	3.9	-1.4	-3.6	7.2	2.9	-6.1	1.3	-3.6	5.5	6.9	3.9	1.2	1.1	

Jadual **1.2a** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor
Table : Number of Paid Employees of Manufacturing Sector by Sub-sector

Subsektor Sub-sector	2019	2020	2021	2020					
				Q1	Q2	Q3	Q4	Q1	
1. Makanan, minuman dan tembakau	294,505	290,799	297,901	298,423	297,061	296,725	290,799	298,808	
Food, beverages and tobacco									
10 Pembuatan produk makanan Manufacture of food products	275,355	273,958	280,751	278,775	280,115	279,731	273,958	281,281	
11 Pembuatan minuman Manufacture of beverages	17,552	15,681	15,951	18,029	15,968	15,917	15,681	16,115	
12 Pembuatan produk tembakau Manufacture of tobacco products	1,598	1,160	1,199	1,618	979	1,076	1,160	1,412	
2. Tekstil, pakaian, kulit dan kasut	93,969	80,451	82,500	96,070	89,289	82,475	80,451	81,540	
Textiles, wearing apparel, leather and footwear									
13 Pembuatan tekstil Manufacture of textiles	28,347	26,699	27,738	28,702	27,774	27,185	26,699	27,384	
14 Pembuatan pakaian Manufacture of wearing apparel	53,463	41,919	42,474	55,042	49,680	43,653	41,919	42,142	
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	12,158	11,833	12,288	12,326	11,835	11,637	11,833	12,015	
3. Produk kayu, perabot, keluaran kertas dan percetakan	298,131	284,313	293,945	297,801	282,125	283,806	284,313	286,710	
Wood products, furniture, paper products and printing									
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	98,930	91,127	93,465	98,116	92,042	92,660	91,127	90,158	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	57,044	54,294	56,213	57,106	52,828	53,264	54,294	55,320	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	66,042	65,015	67,428	66,434	63,311	63,738	65,015	65,618	
31 Pembuatan perabot Manufacture of furniture	76,116	73,877	76,839	76,145	73,944	74,144	73,877	75,614	
4. Petroleum, kimia, getah dan plastik	414,144	417,319	420,316	416,293	411,872	417,253	417,319	423,964	
Petroleum, chemical, rubber and plastic									
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	17,918	16,623	17,093	18,013	15,901	16,311	16,623	17,207	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	108,158	101,429	101,692	109,437	99,239	101,241	101,429	104,975	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	21,320	23,344	25,092	20,994	23,540	23,751	23,344	23,420	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	266,749	275,924	276,438	267,849	273,192	275,951	275,924	278,363	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka	367,904	368,721	373,358	367,548	363,587	364,654	368,721	373,885	
Non-metallic mineral products, basic metal and fabricated metal									
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	107,017	103,386	105,600	106,336	104,723	103,767	103,386	104,197	
24 Pembuatan logam asas Manufacture of basic metals	111,660	110,682	111,076	111,966	106,670	106,842	110,682	111,732	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	149,227	154,653	156,682	149,246	152,194	154,045	154,653	157,956	
6. Produk elektrik dan elektronik	562,778	556,233	585,527	566,600	544,528	549,130	556,233	562,623	
Electrical and electronic products									
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	376,161	365,538	390,477	380,739	359,218	360,614	365,538	370,468	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	95,456	98,712	102,080	96,173	94,524	97,196	98,712	99,658	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	91,161	91,983	92,969	89,689	90,785	91,320	91,983	92,497	
7. Kelengkapan pengangkutan dan pembuatan lain	212,357	201,360	206,071	214,538	199,681	201,256	201,360	206,014	
Transport equipment and other manufactures									
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	89,154	82,994	83,798	90,076	82,161	82,131	82,994	83,226	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	45,413	41,252	41,596	46,205	40,572	41,555	41,252	43,092	
32 Pembuatan lain Other manufacturing	36,734	37,138	39,222	37,485	37,519	37,508	37,138	38,583	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	41,056	39,976	41,456	40,771	39,427	40,063	39,976	41,113	
Pembuatan	Jumlah	2,243,788	2,199,195	2,259,619	2,257,273	2,188,142	2,195,300	2,199,195	2,233,545
Manufacturing	Total								

2021			2020		2021		2020						
Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mac.	Apr.	Mei.	Jun	Jul.	Ogo.	Sep.
298,494	299,079	297,901	290,799	297,901	302,322	301,515	298,423	295,600	294,186	297,061	296,427	296,231	296,725
281,706	281,854	280,751	273,958	280,751	282,654	281,760	278,775	278,260	277,119	280,115	279,258	279,108	279,731
15,637	16,029	15,951	15,681	15,951	18,066	18,142	18,029	16,375	16,087	15,968	16,198	16,161	15,917
1,151	1,196	1,199	1,160	1,199	1,602	1,614	1,618	965	980	979	971	961	1,076
78,971	78,901	82,500	80,451	82,500	97,050	97,273	96,070	89,033	90,260	89,289	85,399	82,093	82,475
27,027	27,293	27,738	26,699	27,738	29,525	29,506	28,702	27,123	27,615	27,774	27,286	27,453	27,185
40,318	39,623	42,474	41,919	42,474	55,180	55,177	55,042	50,113	50,790	49,680	46,469	43,096	43,653
11,626	11,985	12,288	11,833	12,288	12,345	12,590	12,326	11,796	11,855	11,835	11,644	11,544	11,637
278,262	287,981	293,945	284,313	293,945	303,623	302,741	297,801	274,815	279,431	282,125	283,079	282,443	283,806
88,825	93,126	93,465	91,127	93,465	101,619	101,076	98,116	88,783	91,542	92,042	92,208	91,736	92,660
54,235	54,814	56,213	54,294	56,213	57,734	57,653	57,106	52,322	52,428	52,828	52,806	52,754	53,264
63,077	62,499	67,428	65,015	67,428	68,267	67,872	66,434	61,297	61,722	63,311	64,118	64,003	63,738
72,124	77,542	76,839	73,877	76,839	76,003	76,140	76,145	72,412	73,739	73,944	73,947	73,949	74,144
427,330	422,651	420,316	417,319	420,316	419,969	418,110	416,293	408,382	410,875	411,872	415,132	416,992	417,253
16,812	17,148	17,093	16,623	17,093	18,106	18,070	18,013	16,307	15,944	15,901	16,311	16,283	16,311
101,641	101,298	101,692	101,429	101,692	111,174	110,370	109,437	98,602	99,031	99,239	100,841	101,169	101,241
26,265	26,547	25,092	23,344	25,092	21,264	21,209	20,994	23,338	23,413	23,540	23,540	23,713	23,751
282,612	277,659	276,438	275,924	276,438	269,426	268,461	267,849	270,135	272,488	273,192	274,440	275,826	275,951
362,525	365,349	373,358	368,721	373,358	371,739	371,366	367,548	358,454	360,328	363,587	364,444	364,464	364,654
102,770	103,829	105,600	103,386	105,600	108,963	107,471	106,336	103,904	103,836	104,723	103,804	103,758	103,767
107,896	106,907	111,076	110,682	111,076	112,793	113,090	111,966	107,125	107,222	106,670	106,047	106,579	106,842
151,859	154,614	156,682	154,653	156,682	149,983	150,805	149,246	147,424	149,270	152,194	154,593	154,127	154,045
568,471	573,632	585,527	556,233	585,527	568,528	569,988	566,600	541,448	540,731	544,528	546,715	547,745	549,130
376,557	381,683	390,477	365,538	390,477	380,795	380,887	380,739	358,383	357,733	359,218	360,599	360,525	360,614
98,270	100,361	102,080	98,712	102,080	96,573	96,765	96,173	93,848	93,561	94,524	95,282	96,461	97,196
93,644	91,587	92,969	91,983	92,969	91,161	92,336	89,689	89,216	89,437	90,785	90,834	90,759	91,320
201,366	203,813	206,071	201,360	206,071	217,719	216,888	214,538	201,742	199,332	199,681	201,064	200,820	201,256
82,711	83,032	83,798	82,994	83,798	90,513	90,538	90,076	83,314	81,267	82,161	82,306	82,253	82,131
40,706	41,603	41,596	41,252	41,596	46,929	46,636	46,205	41,008	41,115	40,572	41,527	41,387	41,555
37,931	38,175	39,222	37,138	39,222	37,799	37,704	37,485	37,064	37,295	37,519	37,376	37,313	37,508
40,018	41,003	41,456	39,976	41,456	42,479	42,010	40,771	40,357	39,655	39,427	39,856	39,866	40,063
2,215,420	2,231,406	2,259,619	2,199,195	2,259,619	2,280,951	2,277,882	2,257,273	2,169,473	2,175,145	2,188,142	2,192,260	2,190,787	2,195,300

Jadual **1.2a** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor
Table : Number of Paid Employees of Manufacturing Sector by Sub-sector

Subsektor Sub-sector		Okt.	Nov.	Dis.
1. Makanan, minuman dan tembakau	Food, beverages and tobacco	290,295	290,300	290,799
10	Pembuatan produk makanan Manufacture of food products	273,675	273,647	273,958
11	Pembuatan minuman Manufacture of beverages	15,505	15,468	15,681
12	Pembuatan produk tembakau Manufacture of tobacco products	1,114	1,185	1,160
2. Tekstil, pakaian, kulit dan kasut	Textiles, wearing apparel, leather and footwear	81,382	80,628	80,451
13	Pembuatan tekstil Manufacture of textiles	27,033	26,891	26,699
14	Pembuatan pakaian Manufacture of wearing apparel	42,690	41,963	41,919
15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	11,660	11,773	11,833
3. Produk kayu, perabot, keluaran kertas dan percetakan	Wood products, furniture, paper products and printing	282,943	284,447	284,313
16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	90,819	91,400	91,127
17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	54,038	53,997	54,294
18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	64,457	65,244	65,015
31	Pembuatan perabot Manufacture of furniture	73,630	73,807	73,877
4. Petroleum, kimia, getah dan plastik	Petroleum, chemical, rubber and plastic	416,966	417,351	417,319
19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	16,433	16,416	16,623
20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	100,775	101,598	101,429
21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	23,531	23,414	23,344
22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	276,228	275,923	275,924
5. Produk mineral bukan logam, logam asas dan produk logam yang direka	Non-metallic mineral products, basic metal and fabricated metal products	364,527	365,437	368,721
23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	103,241	103,995	103,386
24	Pembuatan logam asas Manufacture of basic metals	107,701	107,391	110,682
25	Pembuatan produk logam, kecuali mesin dan kelenakapan Manufacture of fabricated metal products, except machinery and equipment	153,586	154,050	154,653
6. Produk elektrik dan elektronik	Electrical and electronic products	552,049	555,854	556,233
26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	363,194	365,140	365,538
27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	98,390	98,897	98,712
28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	90,464	91,818	91,983
7. Kelengkapan pengangkutan dan pembuatan lain	Transport equipment and other manufactures	200,357	201,471	201,360
29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	81,922	82,784	82,994
30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	41,281	41,473	41,252
32	Pembuatan lain Other manufacturing	37,203	37,202	37,138
33	Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	39,952	40,013	39,976
		2,188,520	2,195,488	2,199,195

2021											
Jan.	Feb.	Mac.	Apr.	Mei.	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
298,703	299,069	298,808	298,788	297,815	298,494	299,752	296,629	299,079	295,243	297,067	297,901
281,478	281,573	281,281	281,674	280,814	281,706	283,017	279,573	281,854	278,286	280,110	280,751
15,982	16,067	16,115	15,961	15,845	15,637	15,622	15,995	16,029	15,759	15,759	15,951
1,243	1,429	1,412	1,153	1,157	1,151	1,113	1,061	1,196	1,198	1,199	1,199
81,176	81,641	81,540	81,396	82,235	78,971	78,312	78,955	78,901	79,049	82,088	82,500
27,248	27,266	27,384	27,394	27,701	27,027	26,862	27,102	27,293	27,385	27,528	27,738
41,906	42,172	42,142	41,961	42,454	40,318	40,022	40,221	39,623	39,428	42,252	42,474
12,023	12,203	12,015	12,041	12,081	11,626	11,428	11,632	11,985	12,235	12,308	12,288
287,317	287,103	286,710	285,320	287,642	278,262	278,370	279,123	287,981	290,663	295,057	293,945
92,009	91,216	90,158	90,090	92,622	88,825	90,985	91,465	93,126	92,979	94,107	93,465
55,040	55,359	55,320	54,957	54,800	54,235	53,891	53,894	54,814	55,655	56,618	56,213
65,218	65,262	65,618	63,679	63,844	63,077	62,788	62,872	62,499	65,050	67,089	67,428
75,049	75,267	75,614	76,594	76,376	72,124	70,706	70,892	77,542	76,979	77,243	76,839
421,190	419,834	423,964	430,144	429,402	427,330	425,522	424,489	422,651	423,687	420,700	420,316
16,790	16,792	17,207	16,752	16,759	16,812	17,135	17,138	17,148	17,060	16,982	17,093
102,157	102,029	104,975	101,455	101,702	101,641	101,485	101,314	101,298	102,528	102,000	101,692
23,328	23,477	23,420	26,421	26,220	26,265	26,471	26,721	26,547	26,387	25,048	25,092
278,915	277,536	278,363	285,515	284,720	282,612	280,431	279,317	277,659	277,712	276,671	276,438
372,810	371,377	373,885	370,742	369,426	362,525	361,387	361,721	365,349	367,597	368,520	373,358
105,335	103,672	104,197	104,985	104,777	102,770	103,244	103,340	103,829	103,844	104,457	105,600
111,859	111,442	111,732	109,495	108,920	107,896	106,276	106,455	106,907	108,292	108,518	111,076
155,617	156,264	157,956	156,262	155,729	151,859	151,867	151,926	154,614	155,460	155,545	156,682
558,994	562,597	562,623	564,163	566,004	568,471	565,537	571,538	573,632	579,226	583,641	585,527
366,945	369,641	370,468	372,829	375,037	376,557	376,207	380,326	381,683	386,599	389,519	390,477
99,564	99,154	99,658	98,408	98,437	98,270	97,652	99,525	100,361	101,075	100,953	102,080
92,485	93,802	92,497	92,927	92,530	93,644	91,679	91,687	91,587	91,552	93,169	92,969
205,506	206,794	206,014	204,451	203,935	201,366	201,204	201,260	203,813	205,584	206,501	206,071
82,939	83,478	83,226	83,481	83,275	82,711	82,206	82,074	83,032	83,593	83,602	83,798
42,799	42,887	43,092	41,382	41,279	40,706	40,630	40,587	41,603	41,959	41,992	41,596
38,315	38,679	38,583	38,532	38,391	37,931	37,994	37,964	38,175	38,422	38,985	39,222
41,454	41,750	41,113	41,056	40,989	40,018	40,374	40,635	41,003	41,610	41,922	41,456
2,225,697	2,228,415	2,233,545	2,235,004	2,236,459	2,215,420	2,210,084	2,213,715	2,231,406	2,241,048	2,253,574	2,259,619

Jadual
Table

1.2b

: Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Tahunan
: Number of Paid Employees of Manufacturing Sector by Sub-sector: Annual Percentage Change

Subsektor Sub-sector	2020	2021	2020				2021				2020 (Jan. - Dis.)	
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
1. Makanan, minuman dan tembakau	-1.3	2.4	1.4	-0.4	-0.8	-1.3	0.1	0.5	0.8	2.4	-1.3	
Food, beverages and tobacco												
10 Pembuatan produk makanan	-0.5	2.5	1.4	0.4	-0.1	-0.5	0.9	0.6	0.8	2.5	-0.5	
Manufacture of food products												
11 Pembuatan minuman	-10.7	1.7	2.0	-9.4	-9.0	-10.7	-10.6	-2.1	0.7	1.7	-10.7	
Manufacture of beverages												
12 Pembuatan produk tembakau	-27.4	3.3	-0.4	-41.3	-32.4	-27.4	-12.8	17.6	11.1	3.3	-27.4	
Manufacture of tobacco products												
2. Tekstil, pakaian, kulit dan kasut	-14.4	2.5	1.7	-6.2	-13.2	-14.4	-15.1	-11.6	-4.3	2.5	-14.4	
Textiles, wearing apparel, leather and footwear												
13 Pembuatan tekstil	-5.8	3.9	0.6	-4.8	-5.5	-5.8	-4.6	-2.7	0.4	3.9	-5.8	
Manufacture of textiles												
14 Pembuatan pakaian	-21.6	1.3	2.3	-7.5	-19.0	-21.6	-23.4	-18.8	-9.2	1.3	-21.6	
Manufacture of wearing apparel												
15 Pembuatan produk kulit dan barangan berkaitan	-2.7	3.8	1.8	-4.0	-5.8	-2.7	-2.5	-1.8	3.0	3.8	-2.7	
Manufacture of leather and related products												
3. Produk kayu, perabot, keluaran kertas dan percetakan	-4.6	3.4	0.9	-5.9	-5.2	-4.6	-3.7	-1.4	1.5	3.4	-4.6	
Wood products, furniture, paper products and printing												
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman	-7.9	2.6	0.5	-8.3	-7.3	-7.9	-8.1	-3.5	0.5	2.6	-7.9	
Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials												
17 Pembuatan kertas dan produk kertas	-4.8	3.5	1.3	-7.0	-6.8	-4.8	-3.1	2.7	2.9	3.5	-4.8	
Manufacture of paper and paper products												
18 Percetakan dan penerbitan semula media rakaman	-1.6	3.7	0.8	-6.3	-5.2	-1.6	-1.2	-0.4	-1.9	3.7	-1.6	
Printing and reproduction of recorded media												
31 Pembuatan perabot	-2.9	4.0	1.2	-1.5	-1.2	-2.9	-0.7	-2.5	4.6	4.0	-2.9	
Manufacture of furniture												
4. Petroleum, kimia, getah dan plastik	0.8	0.7	1.4	-0.3	0.2	0.8	1.8	3.8	1.3	0.7	0.8	
Petroleum, chemical, rubber and plastic												
19 Pembuatan kok dan produk petroleum bertapis	-7.2	2.8	4.5	-9.9	-7.1	-7.2	-4.5	5.7	5.1	2.8	-7.2	
Manufacture of coke and refined petroleum products												
20 Pembuatan kimia dan produk kimia	-6.2	0.3	1.5	-8.0	-7.0	-6.2	-4.1	2.4	0.1	0.3	-6.2	
Manufacture of chemicals and chemical products												
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani	9.5	7.5	1.4	9.3	11.3	9.5	11.6	11.6	11.8	7.5	9.5	
Manufacture of basic pharmaceutical products and pharmaceutical preparations												
22 Pembuatan produk getah dan plastik	3.4	0.2	1.2	2.7	2.6	3.4	3.9	3.4	0.6	0.2	3.4	
Manufacture of rubber and plastics products												
5. Produk mineral bukan logam, logam asas dan produk logam yang direka	0.2	1.3	1.4	-0.2	-0.7	0.2	1.7	-0.3	0.2	1.3	0.2	
Non-metallic mineral products, basic metal and fabricated metal products												
23 Pembuatan produk galian bukan logam lain	-3.4	2.1	2.2	0.1	-3.1	-3.4	-2.0	-1.9	0.1	2.1	-3.4	
Manufacture of other non-metallic mineral products												
24 Pembuatan logam asas	-0.9	0.4	2.6	-3.0	-4.4	-0.9	-0.2	1.1	0.1	0.4	-0.9	
Manufacture of basic metals												
25 Pembuatan produk logam, kecuali mesin dan kelengkapan	3.6	1.3	0.1	1.8	3.7	3.6	5.8	-0.2	0.4	1.3	3.6	
Manufacture of fabricated metal products, except machinery and equipment												
6. Produk elektrik dan elektronik	-1.2	5.3	0.9	-1.8	-1.8	-1.2	-0.7	4.4	4.5	5.3	-1.2	
Electrical and electronic products												
26 Pembuatan komputer, produk elektronik dan optikal	-2.8	6.8	1.2	-3.3	-3.7	-2.8	-2.7	4.8	5.8	6.8	-2.8	
Manufacture of computer, electronics and optical products												
27 Pembuatan kelengkapan elektrik	3.4	3.4	0.2	0.8	2.4	3.4	3.6	4.0	3.3	3.4	3.4	
Manufacture of electrical equipment												
28 Pembuatan jentera dan peralatan t.t.t.l.	0.9	1.1	0.4	1.5	1.9	0.9	3.1	3.1	0.3	1.1	0.9	
Manufacture of machinery and equipment n.e.c.												
7. Kelengkapan pengangkutan dan pembuatan lain	-5.2	2.3	1.5	-6.2	-5.1	-5.2	-4.0	0.8	1.3	2.3	-5.2	
Transport equipment and other manufactures												
29 Pembuatan kenderaan bermotor, treler dan semi treler	-6.9	1.0	0.1	-7.9	-7.3	-6.9	-7.6	0.7	1.1	1.0	-6.9	
Manufacture of motor vehicles, trailers and semi-trailers												
30 Pembuatan kelengkapan pengangkutan lain	-9.2	0.8	3.4	-10.9	-8.5	-9.2	-6.7	0.3	0.1	0.8	-9.2	
Manufacture of other transport equipment												
32 Pembuatan lain	1.1	5.6	0.6	2.0	2.6	1.1	2.9	1.1	1.8	5.6	1.1	
Other manufacturing												
33 Pembaikan dan pemasangan jentera dan kelengkapan	-2.6	3.7	3.5	-4.9	-3.5	-2.6	0.8	1.5	2.3	3.7	-2.6	
Repair and installation of machinery and equipment												
Pembuatan Manufacturing	Jumlah Total	-2.0	2.7	1.2	-2.2	-2.4	-2.0	-1.1	1.2	1.6	2.7	-2.0

																								(%)
2021	2020												2021											
(Jan. - Dis.)	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
2.4	1.8	1.8	1.4	-0.4	-0.9	-0.4	-0.4	0.1	-0.8	-0.9	-0.7	-1.3	-1.2	-0.8	0.1	1.1	1.2	0.5	1.1	0.1	0.8	1.7	2.3	2.4
2.5	1.7	1.8	1.4	0.2	-0.1	0.4	0.3	0.8	-0.1	-0.1	0.1	-0.5	-0.4	-0.1	0.9	1.2	1.3	0.6	1.3	0.2	0.8	1.7	2.4	2.5
1.7	2.4	2.7	2.0	-7.1	-9.0	-9.4	-8.9	-8.2	-9.0	-10.9	-11.3	-10.7	-11.5	-11.4	-10.6	-2.5	-1.5	-2.1	-3.6	-1.0	0.7	1.6	1.9	1.7
3.3	1.6	0.1	-0.4	-40.8	-41.0	-41.3	-40.2	-40.3	-32.4	-29.1	-23.6	-27.4	-22.4	-11.5	-12.8	19.4	18.0	17.6	14.7	10.4	11.1	7.5	1.2	3.3
2.5	2.1	2.5	1.7	-7.2	-5.5	-6.2	-9.8	-13.3	-13.2	-14.2	-14.5	-14.4	-16.4	-16.1	-15.1	-8.6	-8.9	-11.6	-8.3	-3.8	-4.3	-2.9	1.8	2.5
3.9	0.6	1.4	0.6	-8.0	-5.0	-4.8	-5.4	-5.1	-5.5	-5.9	-5.7	-5.8	-7.7	-7.6	-4.6	1.0	0.3	-2.7	-1.6	-1.3	0.4	1.3	2.4	3.9
1.3	2.7	2.9	2.3	-7.4	-5.9	-7.5	-13.1	-19.4	-19.0	-20.8	-21.8	-21.6	-24.1	-23.6	-23.4	-16.3	-16.4	-18.8	-13.9	-6.7	-9.2	-7.6	0.7	1.3
3.8	3.1	3.3	1.8	-3.9	-4.9	-4.0	-5.4	-6.2	-5.8	-5.1	-3.4	-2.7	-2.6	-3.1	-2.5	2.1	1.9	-1.8	-1.9	0.8	3.0	4.9	4.5	3.8
3.4	1.4	1.2	0.9	-7.6	-6.4	-5.9	-5.1	-5.4	-5.2	-5.5	-5.3	-4.6	-5.4	-5.2	-3.7	3.8	2.9	-1.4	-1.7	-1.2	1.5	2.7	3.7	3.4
2.6	0.5	0.6	0.5	-10.6	-8.9	-8.3	-6.8	-7.5	-7.3	-8.9	-9.0	-7.9	-9.5	-9.8	-8.1	1.5	1.2	-3.5	-1.3	-0.3	0.5	2.4	3.0	2.6
3.5	1.5	1.7	1.3	-7.9	-7.4	-7.0	-7.4	-7.6	-6.8	-5.2	-5.0	-4.8	-4.7	-4.0	-3.1	5.0	4.5	2.7	2.1	2.2	2.9	3.0	4.9	3.5
3.7	2.1	1.3	0.8	-7.1	-6.7	-6.3	-5.0	-5.1	-5.2	-3.9	-2.8	-1.6	-4.5	-3.8	-1.2	3.9	3.4	-0.4	-2.1	-1.8	-1.9	0.9	2.8	3.7
4.0	2.0	1.4	1.2	-3.8	-2.1	-1.5	-1.2	-1.3	-1.2	-2.8	-3.0	-2.9	-1.3	-1.1	-0.7	5.8	3.6	-2.5	-4.4	-4.1	4.6	4.5	4.7	4.0
0.7	1.3	1.5	1.4	-1.0	-0.6	-0.3	-0.4	-0.4	0.2	0.4	0.3	0.8	0.3	0.4	1.8	5.3	4.5	3.8	2.5	1.8	1.3	1.6	0.8	0.7
2.8	4.6	4.8	4.5	-7.6	-9.8	-9.9	-9.0	-8.6	-7.1	-6.7	-6.3	-7.2	-7.3	-7.1	-4.5	2.7	5.1	5.7	5.1	5.2	5.1	3.8	3.4	2.8
0.3	1.4	1.9	1.5	-9.1	-8.7	-8.0	-7.8	-7.5	-7.0	-7.1	-6.4	-6.2	-8.1	-7.6	-4.1	2.9	2.7	2.4	0.6	0.1	0.1	1.7	0.4	0.3
7.5	2.1	2.2	1.4	10.5	8.8	9.3	10.2	10.7	11.3	10.7	9.3	9.5	9.7	10.7	11.6	13.2	12.0	11.6	12.4	12.7	11.8	12.1	7.0	7.5
0.2	1.0	1.1	1.2	1.8	2.5	2.7	2.3	2.2	2.6	3.2	2.8	3.4	3.5	3.4	3.9	5.7	4.5	3.4	2.2	1.3	0.6	0.5	0.3	0.2
1.3	1.6	1.8	1.4	-1.7	-1.0	-0.2	-0.5	-0.8	-0.7	-0.8	-0.6	0.2	0.3	0.0	1.7	3.4	2.5	-0.3	-0.8	-0.8	0.2	0.8	0.8	1.3
2.1	2.5	2.6	2.2	-1.4	-1.3	0.1	-1.5	-1.9	-3.1	-3.4	-2.8	-3.4	-3.3	-3.5	-2.0	1.0	0.9	-1.9	-0.5	-0.4	0.1	0.6	0.4	2.1
0.4	2.9	3.0	2.6	-2.1	-2.1	-3.0	-4.7	-4.6	-4.4	-3.8	-3.9	-0.9	-0.8	-1.5	-0.2	2.2	1.6	1.1	0.2	-0.1	0.1	0.5	1.0	0.4
1.3	0.1	0.4	0.1	-1.5	0.1	1.8	3.4	2.8	3.7	3.3	3.5	3.6	3.8	3.6	5.8	6.0	4.3	-0.2	-1.8	-1.4	0.4	1.2	1.0	1.3
5.3	1.1	1.3	0.9	-3.6	-2.9	-1.8	-2.4	-2.2	-1.8	-1.3	-1.1	-1.2	-1.7	-1.3	-0.7	4.2	4.7	4.4	3.4	4.3	4.5	4.9	5.0	5.3
6.8	1.2	1.5	1.2	-4.6	-3.9	-3.3	-3.9	-3.8	-3.7	-3.2	-2.8	-2.8	-3.6	-3.0	-2.7	4.0	4.8	4.8	4.3	5.5	5.8	6.4	6.7	6.8
3.4	0.1	0.4	0.2	-2.0	-1.8	0.8	1.1	1.3	2.4	4.0	3.8	3.4	3.1	2.5	3.6	4.9	5.2	4.0	2.5	3.2	3.3	2.7	2.1	3.4
1.1	1.3	1.7	0.4	-0.9	0.1	1.5	0.4	0.9	1.9	1.2	0.7	0.9	1.5	1.6	3.1	4.2	3.5	3.1	0.9	1.0	0.3	1.2	1.5	1.1
2.3	1.8	2.1	1.5	-4.6	-6.0	-6.2	-5.6	-5.5	-5.1	-5.4	-5.3	-5.2	-5.6	-4.7	-4.0	1.3	2.3	0.8	0.1	0.2	1.3	2.6	2.5	2.3
1.0	0.2	0.5	0.1	-6.0	-8.9	-7.9	-8.1	-7.4	-7.3	-7.4	-7.1	-6.9	-8.4	-7.8	-7.6	0.2	2.5	0.7	-0.1	-0.2	1.1	2.0	1.0	1.0
0.8	3.4	4.0	3.4	-8.8	-9.0	-10.9	-8.5	-9.0	-8.5	-9.1	-8.4	-9.2	-8.8	-8.0	-6.7	0.9	0.4	0.3	-2.2	-1.9	0.1	1.6	1.3	0.8
5.6	0.2	1.2	0.6	0.2	1.9	2.0	1.7	1.9	2.6	1.2	0.8	1.1	1.4	2.6	2.9	4.0	2.9	1.1	1.7	1.7	1.8	3.3	4.8	5.6
3.7	4.9	4.6	3.5	-1.3	-3.4	-4.9	-3.5	-4.1	-3.5	-3.1	-3.3	-2.6	-2.4	-0.6	0.8	1.7	3.4	1.5	1.3	1.9	2.3	4.2	4.8	3.7
2.7	1.4	1.6	1.2	-3.2	-2.8	-2.2	-2.4	-2.5	-2.4	-2.3	-2.2	-2.0	-2.4	-2.2	-1.1	3.0	2.8	1.2	0.8	1.0	1.6	2.4	2.6	2.7

Jadual 1.2c : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Bulanan/Suku Tahunan
Table 1.2c : Number of Paid Employees of Manufacturing Sector by Sub-sector: Monthly/Quarterly Percentage Change

Subsektor Sub-sector	2020				2021				Jan.	Feb.	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1. Makanan, minuman dan tembakau	1.3	-0.5	-0.1	-2.0	2.8	-0.1	0.2	-0.4	2.7	-0.3	
Food, beverages and tobacco											
10 Pembuatan produk makanan	1.2	0.5	-0.1	-2.1	2.7	0.2	0.1	-0.4	2.7	-0.3	
Manufacture of food products											
11 Pembuatan minuman	2.7	-11.4	-0.3	-1.5	2.8	-3.0	2.5	-0.5	2.9	0.4	
Manufacture of beverages											
12 Pembuatan produk tembakau	1.3	-39.5	10.0	7.8	21.7	-18.5	3.9	0.2	0.2	0.7	
Manufacture of tobacco products											
2. Tekstil, pakaian, kulit dan kasut	2.2	-7.1	-7.6	-2.5	1.4	-3.2	-0.1	4.6	3.3	0.2	
Textiles, wearing apparel, leather and footwear											
13 Pembuatan tekstil	1.3	-3.2	-2.1	-1.8	2.6	-1.3	1.0	1.6	4.2	-0.1	
Manufacture of textiles											
14 Pembuatan pakaian	3.0	-9.7	-12.1	-4.0	0.5	-4.3	-1.7	7.2	3.2	-0.01	
Manufacture of wearing apparel											
15 Pembuatan produk kulit dan barangan berkaitan	1.4	-4.0	-1.7	1.7	1.5	-3.2	3.1	2.5	1.5	2.0	
Manufacture of leather and related products											
3. Produk kayu, perabot, keluaran kertas dan percetakan	-0.1	-5.3	0.6	0.2	0.8	-2.9	3.5	2.1	1.8	-0.3	
Wood products, furniture, paper products and printing											
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman	-0.8	-6.2	0.7	-1.7	-1.1	-1.5	4.8	0.4	2.7	-0.5	
Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials											
17 Pembuatan kertas dan produk kertas	0.1	-7.5	0.8	1.9	1.9	-2.0	1.1	2.6	1.2	-0.1	
Manufacture of paper and paper products											
18 Percetakan dan penerbitan semula media rakaman	0.6	-4.7	0.7	2.0	0.9	-3.9	-0.9	7.9	3.4	-0.6	
Printing and reproduction of recorded media											
31 Pembuatan perabot	0.04	-2.9	0.3	-0.4	2.4	-4.6	7.5	-0.9	-0.1	0.2	
Manufacture of furniture											
4. Petroleum, kimia, getah dan plastik	0.5	-1.1	1.3	0.02	1.6	0.8	-1.1	-0.6	1.4	-0.4	
Petroleum, chemical, rubber and plastic											
19 Pembuatan kok dan produk petroleum bertapis	0.5	-11.7	2.6	1.9	3.5	-2.3	2.0	-0.3	1.0	-0.2	
Manufacture of coke and refined petroleum products											
20 Pembuatan kimia dan produk kimia	1.2	-9.3	2.0	0.2	3.5	-3.2	-0.3	0.4	2.8	-0.7	
Manufacture of chemicals and chemical products											
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani	-1.5	12.1	0.9	-1.7	0.3	12.1	1.1	-5.5	-0.3	-0.3	
Manufacture of basic pharmaceutical products and pharmaceutical preparations											
22 Pembuatan produk getah dan plastik	0.4	2.0	1.0	-0.01	0.9	1.5	-1.8	-0.4	1.0	-0.4	
Manufacture of rubber and plastics products											
5. Produk mineral bukan logam, logam asas dan produk logam yang direka	-0.1	-1.1	0.3	1.1	1.4	-3.0	0.8	2.2	1.0	-0.1	
Non-metallic mineral products, basic metal and fabricated metal products											
23 Pembuatan produk galian bukan logam lain	-0.64	-1.52	-0.91	-0.4	0.8	-1.4	1.0	1.7	1.8	-1.4	
Manufacture of other non-metallic mineral products											
24 Pembuatan logam asas	0.3	-4.7	0.2	3.6	0.9	-3.4	-0.9	3.9	1.0	0.3	
Manufacture of basic metals											
25 Pembuatan produk logam, kecuali mesin dan kelengkapan	0.01	2.0	1.2	0.4	2.1	-3.9	1.8	1.3	0.5	0.5	
Manufacture of fabricated metal products, except machinery and equipment											
6. Produk elektrik dan elektronik	0.7	-3.9	0.8	1.3	1.1	1.0	0.9	2.1	1.0	0.3	
Electrical and electronic products											
26 Pembuatan komputer, produk elektronik dan optikal	1.2	-5.7	0.4	1.4	1.3	1.6	1.4	2.3	1.2	0.02	
Manufacture of computer, electronics and optical products											
27 Pembuatan kelengkapan elektrik	0.8	-1.7	2.8	1.6	1.0	-1.4	2.1	1.7	1.2	0.2	
Manufacture of electrical equipment											
28 Pembuatan jentera dan peralatan t.t.t.l.	-1.6	1.2	0.6	0.7	0.6	1.2	-2.2	1.5	0.0	1.3	
Manufacture of machinery and equipment n.e.c.											
7. Kelengkapan pengangkutan dan pembuatan lain	1.0	-6.9	0.8	0.1	2.3	-2.3	1.2	1.1	2.5	-0.4	
Transport equipment and other manufactures											
29 Pembuatan kenderaan bermotor, treler dan semi treler	1.0	-8.8	-0.04	1.1	0.3	-0.6	0.4	0.9	1.5	0.03	
Manufacture of motor vehicles, trailers and semi-trailers											
30 Pembuatan kelengkapan pengangkutan lain	1.7	-12.2	2.4	-0.7	4.5	-5.5	2.2	-0.02	3.3	-0.6	
Manufacture of other transport equipment											
32 Pembuatan lain	2.0	0.1	-0.03	-1.0	3.9	-1.7	0.6	2.7	2.9	-0.3	
Other manufacturing											
33 Pembaikan dan pemasangan jentera dan kelengkapan	-0.7	-3.3	1.6	-0.2	2.8	-2.7	2.5	1.1	3.5	-1.1	
Repair and installation of machinery and equipment											
Pembuatan	Jumlah	0.6	-3.1	0.3	0.2	1.6	-0.8	0.7	1.3	1.7	-0.1
Manufacturing	Total										

																						(%)
2020												2021										
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
-1.0	-0.9	-0.5	1.0	-0.2	-0.1	0.2	-2.2	0.0	0.2	2.7	0.1	-0.1	-0.01	-0.3	0.2	0.4	-1.0	0.8	-1.3	0.6	0.3	
-1.1	-0.2	-0.4	1.1	-0.3	-0.1	0.2	-2.2	-0.01	0.1	2.7	0.03	-0.1	0.1	-0.3	0.3	0.5	-1.2	0.8	-1.3	0.7	0.2	
-0.6	-9.2	-1.8	-0.7	1.4	-0.2	-1.5	-2.6	-0.2	1.4	1.9	0.5	0.3	-1.0	-0.7	-1.3	-0.1	2.4	0.2	-1.7	-0.004	1.2	
0.3	-40.4	1.5	-0.1	-0.8	-1.0	12.0	3.5	6.3	-2.1	7.2	14.9	-1.2	-18.4	0.3	-0.5	-3.3	-4.7	12.7	0.2	0.1	-0.03	
-1.2	-7.3	1.4	-1.1	-4.4	-3.9	0.5	-1.3	-0.9	-0.2	0.9	0.6	-0.1	-0.2	1.0	-4.0	-0.8	0.8	-0.1	0.2	3.8	0.5	
-2.7	-5.5	1.8	0.6	-1.8	0.6	-1.0	-0.6	-0.5	-0.7	2.1	0.1	0.4	0.04	1.1	-2.4	-0.6	0.9	0.7	0.3	0.5	0.8	
-0.2	-9.0	1.3	-2.2	-6.5	-7.3	1.3	-2.2	-1.7	-0.1	-0.03	0.6	-0.1	-0.4	1.2	-5.0	-0.7	0.5	-1.5	-0.5	7.2	0.5	
-2.1	-4.3	0.5	-0.2	-1.6	-0.9	0.8	0.2	1.0	0.5	1.6	1.5	-1.5	0.2	0.3	-3.8	-1.7	1.8	3.0	2.1	0.6	-0.2	
-1.6	-7.7	1.7	1.0	0.3	-0.2	0.5	-0.3	0.5	-0.05	1.1	-0.1	-0.1	-0.5	0.8	-3.3	0.04	0.3	3.2	0.9	1.5	-0.4	
-2.9	-9.5	3.1	0.5	0.2	-0.5	1.0	-2.0	0.6	-0.3	1.0	-0.9	-1.2	-0.1	2.8	-4.1	2.4	0.5	1.8	-0.2	1.2	-0.7	
-0.9	-8.4	0.2	0.8	-0.04	-0.1	1.0	1.5	-0.1	0.6	1.4	0.6	-0.1	-0.7	-0.3	-1.0	-0.6	0.01	1.7	1.5	1.7	-0.7	
-2.1	-7.7	0.7	2.6	1.3	-0.2	-0.4	1.1	1.2	-0.4	0.3	0.1	0.5	-3.0	0.3	-1.2	-0.5	0.1	-0.6	4.1	3.1	0.5	
0.01	-4.9	1.8	0.3	0.0	0.0	0.3	-0.7	0.2	0.1	1.6	0.3	0.5	1.3	-0.3	-5.6	-2.0	0.3	9.4	-0.7	0.3	-0.5	
-0.4	-1.9	0.6	0.2	0.8	0.4	0.1	-0.1	0.1	-0.01	0.9	-0.3	1.0	1.5	-0.2	-0.5	-0.4	-0.2	-0.4	0.2	-0.7	-0.1	
-0.3	-9.5	-2.2	-0.3	2.6	-0.2	0.2	0.7	-0.1	1.3	1.0	0.02	2.5	-2.6	0.04	0.3	1.9	0.02	0.1	-0.5	-0.5	0.7	
-0.8	-9.9	0.4	0.2	1.6	0.3	0.1	-0.5	0.8	-0.2	0.7	-0.1	2.9	-3.4	0.2	-0.1	-0.2	-0.2	-0.02	1.2	-0.5	-0.3	
-1.0	11.2	0.3	0.5	0.001	0.7	0.2	-0.9	-0.5	-0.3	-0.1	0.6	-0.2	12.8	-0.8	0.2	0.8	0.9	-0.7	-0.6	-5.1	0.2	
-0.2	0.9	0.9	0.3	0.5	0.5	0.05	0.1	-0.1	0.0	1.1	-0.5	0.3	2.6	-0.3	-0.7	-0.8	-0.4	-0.6	0.02	-0.4	-0.1	
-1.0	-2.5	0.5	0.9	0.2	0.01	0.1	-0.03	0.2	0.9	1.1	-0.4	0.7	-0.8	-0.4	-1.9	-0.3	0.1	1.0	0.6	0.3	1.3	
-1.1	-2.3	-0.1	0.9	-0.9	-0.04	0.01	-0.5	0.7	-0.6	1.9	-1.6	0.5	0.8	-0.2	-1.9	0.5	0.1	0.5	0.01	0.6	1.1	
-1.0	-4.3	0.1	-0.5	-0.6	0.5	0.2	0.8	-0.3	3.1	1.1	-0.4	0.3	-2.0	-0.5	-0.9	-1.5	0.2	0.4	1.3	0.2	2.4	
-1.0	-1.2	1.3	2.0	1.6	-0.3	-0.1	-0.3	0.3	0.4	0.6	0.4	1.1	-1.1	-0.3	-2.5	0.01	0.04	1.8	0.5	0.1	0.7	
-0.6	-4.4	-0.1	0.7	0.4	0.2	0.3	0.5	0.7	0.1	0.5	0.6	0.0	0.3	0.3	0.4	-0.5	1.1	0.4	1.0	0.8	0.3	
-0.04	-5.9	-0.2	0.4	0.4	-0.02	0.02	0.7	0.5	0.1	0.4	0.7	0.2	0.6	0.6	0.4	-0.1	1.1	0.4	1.3	0.8	0.2	
-0.6	-2.4	-0.3	1.0	0.8	1.2	0.8	1.2	0.5	-0.2	0.9	-0.4	0.5	-1.3	0.03	-0.2	-0.6	1.9	0.8	0.7	-0.1	1.1	
-2.9	-0.5	0.2	1.5	0.1	-0.1	0.6	-0.9	1.5	0.2	0.5	1.4	-1.4	0.5	-0.4	1.2	-2.1	0.01	-0.1	-0.04	1.8	-0.2	
-1.1	-6.0	-1.2	0.2	0.7	-0.1	0.2	-0.4	0.6	-0.1	2.1	0.6	-0.4	-0.8	-0.3	-1.3	-0.1	0.03	1.3	0.9	0.4	-0.2	
-0.5	-7.5	-2.5	1.1	0.2	-0.1	-0.1	-0.3	1.1	0.3	-0.1	0.7	-0.3	0.3	-0.2	-0.7	-0.6	-0.2	1.2	0.7	0.01	0.2	
-0.9	-11.2	0.3	-1.3	2.4	-0.3	0.4	-0.7	0.5	-0.5	3.7	0.2	0.5	-4.0	-0.2	-1.4	-0.2	-0.1	2.5	0.9	0.1	-0.9	
-0.6	-1.1	0.6	0.6	-0.4	-0.2	0.5	-0.8	0.0	-0.2	3.2	0.9	-0.2	-0.1	-0.4	-1.2	0.2	-0.1	0.6	0.6	1.5	0.6	
-2.9	-1.0	-1.7	-0.6	1.1	0.02	0.5	-0.3	0.2	-0.1	3.7	0.7	-1.5	-0.1	-0.2	-2.4	0.9	0.6	0.9	1.5	0.8	-1.1	
-0.9	-3.9	0.3	0.6	0.2	-0.1	0.2	-0.3	0.3	0.2	1.2	0.1	0.2	0.1	0.1	-0.9	-0.2	0.2	0.8	0.4	0.6	0.3	

Jadual 1.3a : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Subsektor
Table 1.3a : Salaries and Wages Paid of Manufacturing Sector by Sub-sector

Subsektor Sub-sector	2019	2020	2021	2020					
				Q1	Q2	Q3	Q4	Q1	
1. Makanan, minuman dan tembakau Food, beverages and tobacco	10,007	10,125	10,343	2,616	2,500	2,487	2,521	2,559	
10 Pembuatan produk makanan Manufacture of food products	9,306	9,525	9,773	2,439	2,367	2,350	2,369	2,411	
11 Pembuatan minuman Manufacture of beverages	614	537	508	157	121	123	135	131	
12 Pembuatan produk tembakau Manufacture of tobacco products	87	63	62	21	12	14	17	17	
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	2,267	1,996	1,827	567	475	475	479	466	
13 Pembuatan tekstil Manufacture of textiles	681	661	657	172	156	166	166	163	
14 Pembuatan pakaian Manufacture of wearing apparel	1,232	1,023	862	305	249	235	234	223	
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	355	312	308	90	69	74	79	79	
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	9,214	8,965	9,057	2,353	2,147	2,228	2,237	2,286	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	2,516	2,424	2,461	643	571	609	601	605	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	2,128	2,003	2,018	530	487	491	496	505	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	2,232	2,170	2,153	583	537	521	529	559	
31 Pembuatan perabot Manufacture of furniture	2,339	2,368	2,425	597	553	607	612	617	
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	19,155	19,409	20,344	4,835	4,680	4,888	5,007	5,017	
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	2,387	2,282	2,326	637	491	537	617	617	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	6,186	5,668	5,677	1,599	1,314	1,361	1,394	1,462	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	576	631	717	144	157	161	169	165	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	10,006	10,828	11,623	2,455	2,718	2,829	2,827	2,772	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	13,833	13,579	13,860	3,535	3,246	3,342	3,455	3,525	
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	4,340	4,270	4,340	1,117	1,036	1,044	1,073	1,079	
24 Pembuatan logam asas Manufacture of basic metals	4,314	3,989	4,048	1,084	947	960	998	1,043	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	5,178	5,320	5,473	1,334	1,264	1,339	1,384	1,403	
6. Produk elektrik dan elektronik Electrical and electronic products	26,258	26,201	27,409	6,941	6,229	6,341	6,690	6,957	
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	18,395	18,284	19,284	4,933	4,363	4,369	4,618	4,871	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	3,644	3,750	3,832	945	884	942	980	976	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	4,219	4,167	4,292	1,063	982	1,029	1,092	1,110	
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	7,470	6,920	6,992	1,880	1,630	1,659	1,750	1,776	
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	3,755	3,418	3,411	938	798	815	867	865	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	1,261	1,101	1,095	317	256	261	267	288	
32 Pembuatan lain Other manufacturing	1,117	1,161	1,226	290	280	290	300	302	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	1,336	1,240	1,260	335	296	293	316	322	
Pembuatan Manufacturing	Jumlah Total	88,206	87,194	89,830	22,728	20,906	21,420	22,139	22,584

(RM Juta/Million)

2021		2020		2021	2020								
Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
2,564	2,555	2,665	10,125	10,343	885	877	854	842	836	822	824	826	838
2,429	2,422	2,512	9,525	9,773	824	817	798	795	792	780	779	781	790
121	120	136	537	508	54	53	49	43	40	38	40	41	43
14	14	17	63	62	7	7	7	4	4	4	4	4	5
443	437	481	1,996	1,827	196	186	186	151	160	163	162	156	157
162	161	171	661	657	59	57	56	49	53	55	56	55	55
207	204	229	1,023	862	106	100	100	80	85	83	81	76	77
75	72	81	312	308	31	30	30	22	22	25	24	24	25
2,215	2,204	2,353	8,965	9,057	796	782	775	690	718	738	745	741	742
586	616	654	2,424	2,461	217	217	209	182	190	199	204	200	205
502	495	517	2,003	2,018	175	175	179	161	161	165	163	163	166
549	507	538	2,170	2,153	202	189	193	176	181	179	177	177	167
578	586	643	2,368	2,425	202	201	194	171	186	195	202	201	204
5,121	5,104	5,101	19,409	20,344	1,608	1,584	1,644	1,499	1,557	1,624	1,600	1,625	1,663
522	565	621	2,282	2,326	209	198	230	163	159	169	171	170	196
1,388	1,398	1,429	5,668	5,677	531	529	538	432	428	455	451	449	461
180	183	189	631	717	48	48	48	54	51	52	53	54	54
3,030	2,958	2,863	10,828	11,623	819	809	828	852	919	947	925	951	953
3,393	3,334	3,608	13,579	13,860	1,192	1,187	1,156	1,045	1,095	1,107	1,115	1,112	1,115
1,088	1,055	1,118	4,270	4,340	375	373	369	333	349	354	351	346	347
986	959	1,059	3,989	4,048	369	363	352	306	320	321	318	321	322
1,319	1,320	1,431	5,320	5,473	448	452	434	406	426	432	447	446	447
6,691	6,606	7,155	26,201	27,409	2,355	2,353	2,233	2,047	2,073	2,109	2,097	2,101	2,142
4,742	4,623	5,049	18,284	19,284	1,670	1,666	1,597	1,459	1,448	1,457	1,441	1,447	1,481
910	952	994	3,750	3,832	321	322	301	271	301	312	313	315	314
1,039	1,032	1,112	4,167	4,292	364	364	335	318	324	340	343	339	348
1,734	1,664	1,817	6,920	6,992	632	639	609	550	529	551	548	552	560
858	803	885	3,418	3,411	315	321	303	270	255	273	266	272	278
277	259	271	1,101	1,095	106	107	104	85	85	86	87	86	88
291	303	330	1,161	1,226	97	98	95	91	92	97	96	96	97
309	298	330	1,240	1,260	114	113	108	104	96	96	98	98	97
22,162	21,904	23,180	87,194	89,830	7,664	7,608	7,456	6,825	6,968	7,113	7,091	7,113	7,217

Jadual **1.3a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Subsektor
Table : Salaries and Wages Paid of Manufacturing Sector by Sub-sector

Subsektor Sub-sector	Okt.	Nov.	Dis.
1. Makanan, minuman dan tembakau Food, beverages and tobacco	825	825	871
10 Pembuatan produk makanan <i>Manufacture of food products</i>	777	775	817
11 Pembuatan minuman <i>Manufacture of beverages</i>	42	45	48
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	5	5	7
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	157	156	166
13 Pembuatan tekstil <i>Manufacture of textiles</i>	55	55	56
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	76	75	83
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	26	26	27
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	737	733	767
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	201	197	203
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	166	164	166
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	167	171	191
31 Pembuatan perabot <i>Manufacture of furniture</i>	204	201	207
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	1,645	1,629	1,733
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	202	193	222
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	446	453	496
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	54	53	61
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	943	930	953
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	1,117	1,137	1,202
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	347	361	365
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	322	319	357
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	448	456	481
6. Produk elektrik dan elektronik Electrical and electronic products	2,164	2,139	2,388
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	1,495	1,472	1,651
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	317	317	346
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	351	350	390
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	561	572	617
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	274	280	313
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	87	90	90
32 Pembuatan lain <i>Other manufacturing</i>	96	97	107
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	104	105	107
Pembuatan Manufacturing	7,205	7,190	7,744
Jumlah Total			

(RM Juta/Million)

2021											
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
853	848	858	863	858	843	857	828	871	869	872	923
803	798	810	816	813	800	814	784	823	822	822	868
44	44	42	43	40	38	38	39	43	43	45	48
5	6	6	5	5	5	5	4	5	5	5	7
160	153	153	152	153	138	143	146	147	150	160	171
55	54	54	54	55	53	53	54	54	55	57	59
78	72	72	72	73	61	68	68	68	68	76	85
27	26	26	26	25	24	22	24	25	27	27	28
770	757	758	746	746	722	718	725	761	767	777	809
205	201	199	198	197	191	199	202	215	216	217	222
167	167	171	170	166	166	162	163	170	171	173	173
191	182	186	183	187	179	172	172	162	167	175	196
208	207	201	194	197	187	185	187	214	213	213	218
1,656	1,636	1,724	1,670	1,698	1,753	1,692	1,701	1,711	1,693	1,653	1,755
199	193	225	169	168	185	181	180	205	204	194	223
479	483	500	465	450	474	467	462	469	463	462	505
55	55	55	62	59	59	60	62	61	62	59	68
923	905	944	974	1,022	1,035	985	997	976	965	939	959
1,188	1,162	1,174	1,142	1,149	1,101	1,088	1,087	1,159	1,169	1,181	1,258
361	353	365	365	371	351	349	346	360	364	370	384
350	342	352	333	331	322	310	313	336	340	341	378
477	468	458	444	447	428	429	429	462	466	470	495
2,342	2,359	2,255	2,211	2,233	2,247	2,154	2,196	2,256	2,288	2,295	2,572
1,625	1,653	1,593	1,582	1,572	1,588	1,505	1,532	1,586	1,610	1,614	1,825
339	327	310	280	312	318	313	319	320	322	320	352
379	379	352	349	349	340	336	345	350	355	361	395
588	597	592	600	578	556	542	548	573	587	597	633
287	294	283	298	285	275	260	264	279	284	288	314
92	94	101	96	94	87	86	85	89	90	91	90
101	102	99	97	96	98	98	101	104	105	106	119
107	107	108	109	103	97	99	99	101	107	112	111
7,558	7,512	7,514	7,386	7,416	7,360	7,195	7,231	7,479	7,523	7,536	8,122

Jadual **1.3b** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Tahunan
Table **1.3b** : Salaries and Wages Paid of Manufacturing Sector by Sub-sector: Annual Percentage Change

Subsektor Sub-sector	2020	2021	2020				2021				2020 (Jan. - Dis.)	
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
1. Makanan, minuman dan tembakau Food, beverages and tobacco	1.2	2.2	6.8	0.6	-0.1	-2.4	-2.2	2.6	2.7	5.7	1.2	
10 Pembuatan produk makanan Manufacture of food products	2.3	2.6	7.1	2.3	1.4	-1.2	-1.1	2.6	3.0	6.0	2.3	
11 Pembuatan minuman Manufacture of beverages	-12.5	-5.4	4.2	-19.2	-17.8	-17.0	-16.6	-0.05	-2.8	0.5	-12.5	
12 Pembuatan produk tembakau Manufacture of tobacco products	-27.6	-2.4	0.8	-45.9	-37.4	-25.9	-18.7	16.7	1.7	0.4	-27.6	
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	-12.0	-8.5	2.4	-15.3	-16.5	-18.0	-17.9	-6.6	-8.0	0.4	-12.0	
13 Pembuatan tekstil Manufacture of textiles	-2.9	-0.6	2.2	-6.4	-2.5	-4.9	-4.9	3.3	-3.4	2.9	-2.9	
14 Pembuatan pakaian Manufacture of wearing apparel	-17.0	-15.7	2.4	-19.0	-23.8	-26.4	-26.8	-17.0	-13.1	-2.3	-17.0	
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	-12.1	-1.5	3.0	-19.3	-18.2	-13.9	-12.3	8.2	-2.5	3.2	-12.1	
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	-2.7	1.0	2.5	-7.4	-3.3	-2.6	-2.8	3.2	-1.1	5.1	-2.7	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	-3.7	1.5	1.6	-9.4	-2.3	-4.7	-6.0	2.6	1.2	8.8	-3.7	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	-5.8	0.7	1.2	-8.3	-9.8	-6.2	-4.7	3.1	0.7	4.3	-5.8	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	-2.8	-0.8	4.3	-7.1	-5.5	-2.7	-4.1	2.3	-2.8	1.8	-2.8	
31 Pembuatan perabot Manufacture of furniture	1.2	2.4	3.1	-4.7	3.7	2.8	3.4	4.6	-3.3	5.2	1.2	
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	1.3	4.8	2.6	-0.03	0.4	2.4	3.8	9.4	4.4	1.9	1.3	
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	-4.4	1.9	6.7	-10.2	-9.5	-5.0	-3.1	6.4	5.2	0.6	-4.4	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	-8.4	0.2	1.3	-15.9	-10.4	-8.6	-8.5	5.6	2.7	2.5	-8.4	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	9.5	13.7	2.3	12.1	11.5	11.8	14.6	14.8	13.9	11.9	9.5	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	8.2	7.3	2.3	11.8	8.4	10.2	12.9	11.5	4.6	1.3	8.2	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	-1.8	2.1	2.7	-4.4	-3.3	-2.4	-0.3	4.5	-0.2	4.4	-1.8	
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	-1.6	1.6	2.8	-2.7	-2.9	-3.7	-3.5	5.1	1.1	4.1	-1.6	
24 Pembuatan logam asas Manufacture of basic metals	-7.6	1.5	2.3	-10.3	-12.0	-9.9	-3.8	4.2	-0.1	6.2	-7.6	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	2.7	2.9	3.0	-0.8	3.6	5.1	5.2	4.3	-1.4	3.4	2.7	
6. Produk elektrik dan elektronik Electrical and electronic products	-0.2	4.6	4.1	-3.7	-2.1	0.7	0.2	7.4	4.2	6.9	-0.2	
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	-0.6	5.5	4.7	-3.2	-3.3	-0.8	-1.3	8.7	5.8	9.3	-0.6	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	2.9	2.2	1.3	-2.7	6.0	7.1	3.3	3.0	1.1	1.5	2.9	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	-1.2	3.0	4.1	-6.7	-3.7	1.5	4.4	5.8	0.2	1.8	-1.2	
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	-7.4	1.0	1.3	-13.3	-10.3	-7.1	-5.5	6.4	0.3	3.9	-7.4	
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	-9.0	-0.2	-0.7	-16.7	-11.9	-6.5	-7.8	7.5	-1.5	2.1	-9.0	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	-12.7	-0.5	1.5	-18.3	-18.0	-15.8	-9.1	7.9	-0.5	1.6	-12.7	
32 Pembuatan lain Other manufacturing	3.9	5.6	5.6	2.6	5.8	1.8	3.9	3.7	4.6	9.9	3.9	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	-7.2	1.6	3.3	-11.7	-11.7	-8.3	-3.9	4.4	1.7	4.7	-7.2	
Pembuatan	Jumlah Total	-1.1	3.0	3.4	-4.0	-2.7	-1.3	-0.6	6.0	2.3	4.7	-1.1

																									(%)
2021	2020												2021												
(Jan. - Dis.)	Jan.	Feb.	Mac.	Apr.	Mei.	Jun.	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac.	Apr.	Mei.	Jun.	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
2.2	7.3	7.6	5.6	1.4	0.2	0.1	-0.3	-0.2	0.3	-1.7	-1.6	-3.9	-3.6	-3.3	0.5	2.5	2.6	2.5	4.0	0.3	3.9	5.4	5.8	5.9	
2.6	7.7	7.8	5.7	3.0	1.9	2.0	1.3	1.3	1.7	-0.4	-0.2	-2.9	-2.6	-2.3	1.5	2.6	2.7	2.6	4.5	0.5	4.1	5.7	6.1	6.3	
-5.4	3.2	5.0	4.5	-16.5	-19.9	-21.2	-18.9	-17.2	-17.2	-17.9	-18.6	-14.8	-18.1	-17.6	-14.0	-0.1	0.2	-0.2	-5.6	-3.2	0.4	0.6	0.8	0.1	
-2.4	2.1	0.6	-0.1	-43.9	-44.8	-48.8	-41.3	-41.5	-28.4	-25.0	-24.0	-27.9	-20.5	-17.1	-18.7	17.9	17.6	14.5	2.3	1.2	1.5	0.2	0.1	0.9	
-8.5	3.1	3.4	0.8	-17.7	-15.3	-13.0	-15.6	-17.5	-16.5	-17.9	-18.4	-17.9	-18.0	-17.9	-17.7	0.5	-4.2	-15.5	-11.2	-6.5	-6.4	-4.6	2.6	2.9	
-0.6	2.6	2.9	1.2	-11.2	-6.6	-1.6	-2.6	-1.7	-3.1	-4.4	-4.0	-6.3	-6.8	-4.2	-3.7	10.5	4.9	-4.4	-4.3	-3.4	-2.4	0.5	3.8	4.4	
-15.7	3.4	3.7	0.1	-20.0	-18.1	-19.1	-22.3	-25.6	-23.7	-26.3	-27.6	-25.3	-25.9	-27.3	-27.2	-9.9	-14.8	-26.1	-16.3	-10.8	-11.9	-11.0	1.5	2.1	
-1.5	2.7	3.4	2.7	-21.8	-22.4	-13.7	-17.0	-19.5	-18.0	-14.7	-13.7	-13.3	-11.9	-12.8	-12.2	16.0	15.2	-5.1	-9.9	0.2	2.1	3.7	3.5	2.5	
1.0	3.5	3.4	0.7	-10.4	-7.6	-4.2	-3.4	-3.9	-2.6	-2.8	-2.9	-2.2	-3.2	-3.2	-2.1	8.0	3.8	-2.1	-3.7	-2.2	2.6	4.0	6.0	5.4	
1.5	2.1	2.4	0.3	-13.0	-10.0	-5.1	-2.2	-2.5	-2.2	-3.7	-5.7	-4.6	-5.6	-7.6	-4.6	9.2	3.4	-4.1	-2.3	0.9	4.9	7.4	9.9	9.0	
0.7	1.1	1.8	0.6	-9.5	-8.8	-6.7	-10.9	-11.0	-7.6	-7.2	-6.2	-5.1	-5.0	-4.8	-4.3	5.5	3.1	0.8	-0.8	0.5	2.3	3.2	5.5	4.2	
-0.8	6.2	5.4	1.3	-7.7	-7.4	-6.1	-4.4	-5.8	-6.2	-3.6	-2.5	-2.2	-5.5	-3.6	-3.2	4.0	3.2	-0.4	-2.9	-2.5	-2.9	0.4	2.2	2.6	
2.4	4.6	4.1	0.6	-11.0	-4.1	1.1	3.3	2.9	4.9	2.8	2.7	3.1	3.2	3.4	3.6	13.4	5.5	-3.9	-8.2	-7.1	5.2	4.4	5.7	5.4	
4.8	2.3	2.9	2.5	-3.2	0.4	2.7	0.1	0.4	0.8	2.1	1.9	3.1	3.0	3.3	4.9	11.4	9.1	8.0	5.8	4.7	2.9	2.9	1.5	1.3	
1.9	7.0	7.4	5.7	-9.5	-10.3	-10.8	-10.2	-9.2	-9.2	-6.6	-3.8	-4.6	-4.9	-2.4	-2.1	3.9	5.8	9.5	5.3	5.4	4.9	1.0	0.6	0.4	
0.16	1.4	2.4	0.2	-18.0	-17.5	-12.3	-10.9	-10.5	-9.8	-9.9	-8.5	-7.6	-9.8	-8.7	-7.1	7.8	5.1	4.1	3.5	2.9	1.7	3.8	2.0	1.8	
13.7	2.2	3.0	1.8	17.1	9.6	9.7	10.3	10.8	13.4	12.5	11.1	12.0	13.9	14.6	15.3	15.7	15.3	13.3	13.4	14.6	13.6	15.1	9.9	10.8	
7.3	1.7	2.1	3.3	6.9	13.6	14.8	8.3	8.0	8.8	10.6	8.7	11.2	12.7	11.9	14.1	14.3	11.2	9.3	6.5	4.8	2.5	2.3	1.0	0.6	
2.1	3.0	3.2	1.9	-7.5	-3.3	-2.3	-3.2	-3.5	-3.3	-3.1	-2.3	-1.7	-0.3	-2.1	1.6	9.4	5.0	-0.5	-2.4	-2.2	3.9	4.7	3.9	4.7	
1.6	2.7	3.1	2.6	-6.1	-2.3	0.3	-2.3	-2.8	-3.4	-3.8	-2.9	-4.4	-3.8	-5.3	-1.2	9.8	6.5	-0.7	-0.5	0.1	3.8	4.6	2.4	5.4	
1.5	2.8	2.9	1.1	-11.8	-9.1	-10.1	-12.4	-12.2	-11.5	-10.7	-11.0	-8.1	-5.2	-5.8	-0.2	8.9	3.6	0.2	-2.5	-2.5	4.6	5.6	6.9	6.1	
2.9	3.4	3.7	1.8	-5.2	0.7	2.1	3.8	3.3	3.8	3.8	5.4	6.1	6.6	3.5	5.5	9.3	4.8	-0.8	-3.9	-3.8	3.5	4.1	3.0	3.1	
4.6	5.4	5.6	1.3	-6.0	-3.3	-1.7	-3.2	-2.8	-0.3	0.5	0.9	0.5	-0.6	0.3	1.0	8.0	7.7	6.5	2.7	4.5	5.3	5.7	7.3	7.7	
5.5	5.5	5.7	2.7	-4.1	-3.1	-2.3	-4.4	-4.1	-1.5	-0.7	-0.2	-1.4	-2.7	-0.8	-0.2	8.5	8.6	9.0	4.4	5.9	7.1	7.7	9.6	10.5	
2.2	3.3	3.3	-2.7	-11.9	-1.1	5.2	5.4	5.5	7.2	7.6	7.2	6.7	5.6	1.6	2.8	3.4	3.6	2.0	0.1	1.2	2.0	1.6	1.0	1.8	
3.0	6.6	6.9	-1.2	-9.2	-6.2	-4.7	-5.1	-4.4	-1.6	0.1	0.5	3.7	3.9	4.0	5.2	10.0	7.6	0.03	-1.9	1.7	0.8	1.1	3.2	1.2	
1.0	2.9	3.1	-2.1	-13.0	-15.4	-11.5	-11.9	-11.6	-7.3	-8.0	-7.2	-6.2	-7.0	-6.6	-2.9	9.1	9.2	0.9	-1.0	-0.7	2.4	4.5	4.4	2.7	
-0.2	0.8	1.2	-4.1	-17.3	-19.5	-13.3	-14.6	-13.7	-7.3	-7.4	-6.4	-5.8	-8.7	-8.3	-6.5	10.4	11.6	0.9	-2.4	-2.9	0.6	3.5	2.8	0.3	
-0.5	1.2	2.9	0.2	-17.0	-18.5	-19.4	-17.9	-19.4	-16.5	-17.3	-14.9	-15.2	-12.7	-12.0	-2.5	13.2	9.7	0.8	-1.7	-1.4	1.5	3.3	1.2	0.2	
5.6	7.7	7.9	1.4	-0.1	0.6	7.4	4.0	6.0	7.4	2.2	1.2	1.9	3.6	3.7	4.3	5.9	4.4	1.0	2.2	4.4	7.2	9.4	9.8	10.5	
1.6	6.4	4.8	-1.1	-7.1	-13.9	-14.2	-11.7	-12.8	-10.7	-9.2	-9.3	-6.5	-6.2	-5.5	0.2	5.0	7.1	1.1	0.4	1.1	3.7	3.7	6.5	3.9	
3.0	4.1	4.4	1.8	-6.2	-3.9	-2.0	-3.2	-3.2	-1.7	-1.5	-1.3	-1.1	-1.4	-1.3	0.8	8.2	6.4	3.5	1.5	1.7	3.6	4.4	4.8	4.9	

Jadual Table 1.3c : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Bulanan/Suku Tahunan
Salaries and Wages Paid of Manufacturing Sector by Sub-sector: Monthly/Quarterly Percentage Change

Subsektor Sub-sector		2020				2021				Jan.	Feb.	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		1.3	-4.4	-0.5	1.3	1.5	0.2	-0.3	4.3	-2.3	-0.9	
10	Pembuatan produk makanan <i>Manufacture of food products</i>	1.7	-3.0	-0.7	0.8	1.8	0.7	-0.3	3.7	-2.0	-0.9	
11	Pembuatan minuman <i>Manufacture of beverages</i>	-3.5	-22.7	1.7	9.3	-3.0	-7.3	-1.1	12.9	-3.3	-1.5	
12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	-8.8	-41.3	13.0	22.6	-0.1	-15.7	-1.5	21.1	-24.5	2.7	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>		-2.9	-16.4	0.01	0.9	-2.7	-4.9	-1.5	10.2	-3.2	-4.7	
13	Pembuatan tekstil <i>Manufacture of textiles</i>	-1.6	-9.0	6.4	-0.3	-1.6	-1.1	-0.5	6.2	-1.6	-3.9	
14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	-4.1	-18.4	-5.7	-0.2	-4.6	-7.5	-1.3	12.1	-4.6	-5.9	
15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	-1.2	-23.4	6.1	7.2	0.6	-5.4	-4.4	13.5	-1.1	-1.9	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>		2.4	-8.8	3.8	0.4	2.2	-3.1	-0.5	6.8	1.4	-1.7	
16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	2.0	-11.2	6.7	-1.3	0.6	-3.1	5.2	6.1	1.7	0.2	
17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	0.2	-8.2	1.0	1.0	1.8	-0.6	-1.4	4.6	0.0	0.04	
18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	7.3	-8.0	-2.9	1.5	5.8	-1.9	-7.7	6.2	3.2	-6.3	
31	Pembuatan perabot <i>Manufacture of furniture</i>	0.3	-7.4	9.7	0.8	0.9	-6.3	1.4	9.7	0.8	-0.7	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>		-1.2	-3.2	4.5	2.4	0.2	2.1	-0.3	-0.1	-4.4	-1.5	
19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	-2.0	-23.0	9.5	14.9	-0.03	-15.4	8.2	9.9	-10.3	-5.4	
20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	4.8	-17.8	3.6	2.4	4.9	-5.0	0.7	2.2	-1.0	-0.4	
21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	-4.2	8.7	2.5	4.8	-1.9	8.9	1.7	3.0	-11.6	-0.5	
22	Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	-4.3	10.7	4.1	-0.1	-1.9	9.3	-2.4	-3.2	-4.4	-1.3	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		-0.1	-8.2	3.0	3.4	2.0	-3.7	-1.7	8.2	-2.6	-0.4	
23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metalic mineral products</i>	0.2	-7.3	0.8	2.9	0.5	0.9	-3.0	5.9	-1.8	-0.7	
24	Pembuatan logam asas <i>Manufacture of basic metals</i>	-2.1	-12.7	1.4	3.9	4.6	-5.5	-2.7	10.5	-5.0	-1.5	
25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	1.2	-5.2	5.9	3.4	1.3	-6.0	0.1	8.4	-1.2	0.9	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>		4.4	-10.3	1.8	5.5	4.0	-3.8	-1.3	8.3	-0.8	-0.1	
26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	6.0	-11.6	0.1	5.7	5.5	-2.6	-2.5	9.2	-0.3	-0.2	
27	Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	3.3	-6.4	6.6	4.0	-0.4	-6.8	4.6	4.4	-1.0	0.4	
28	Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	-1.2	-7.6	4.8	6.1	1.6	-6.4	-0.7	7.8	-3.2	-0.05	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>		-0.2	-13.3	1.8	5.5	1.5	-2.4	-4.1	9.2	-3.9	1.1	
29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	1.2	-15.0	2.2	6.3	-0.2	-0.8	-6.4	10.3	-5.2	2.0	
30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	-0.2	-19.1	1.8	2.4	7.8	-3.9	-6.2	4.6	-0.3	1.5	
32	Pembuatan lain <i>Other manufacturing</i>	-1.6	-3.4	3.4	3.6	0.4	-3.6	4.2	8.9	-7.7	0.6	
33	Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	-2.7	-11.6	-1.0	7.7	2.0	-4.0	-3.5	10.8	0.2	-1.5	
Pembuatan		Jumlah Total	1.3	-8.0	2.5	3.4	2.0	-1.9	-1.2	5.8	-2.1	-0.7

																						(%)
2020												2021										
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
-2.7	-1.4	-0.7	-1.7	0.2	0.2	1.5	-1.6	0.01	5.6	-2.1	-0.6	1.2	0.7	-0.6	-1.8	1.7	-3.3	5.1	-0.1	0.3	5.8	
-2.3	-0.4	-0.4	-1.6	-0.1	0.2	1.2	-1.7	-0.3	5.4	-1.7	-0.6	1.5	0.7	-0.3	-1.7	1.8	-3.7	4.9	-0.1	0.1	5.6	
-8.1	-12.7	-6.8	-3.8	4.7	0.7	5.0	-0.5	5.4	7.2	-7.0	-0.9	-4.0	1.4	-6.6	-4.1	-1.0	3.3	8.9	-0.3	5.6	6.5	
-2.5	-40.7	0.6	-1.6	11.8	-2.3	10.8	5.8	0.5	26.3	-16.7	7.1	-4.4	-14.0	0.3	-4.2	-0.1	-3.4	11.1	4.4	0.4	27.3	
-0.4	-18.4	5.7	1.9	-0.9	-3.6	1.1	-0.3	-0.5	6.2	-3.3	-4.7	-0.1	-0.4	0.8	-10.2	4.1	1.5	1.2	1.6	6.9	6.5	
-0.8	-13.6	8.1	5.4	0.5	-0.3	-0.1	-0.4	-0.7	2.6	-2.1	-1.2	-0.2	-0.9	2.6	-4.0	0.7	0.6	0.9	2.5	2.6	3.1	
-0.04	-19.2	6.2	-3.0	-1.7	-6.6	1.4	-1.4	-1.1	10.2	-5.3	-7.7	0.02	0.04	0.5	-15.8	11.2	-0.4	0.2	-0.4	12.7	10.9	
-1.0	-24.6	-1.6	12.5	-1.5	-1.2	3.1	3.5	1.6	2.4	0.5	-2.9	-0.3	-0.4	-2.2	-7.3	-6.5	9.8	5.1	5.2	1.3	1.5	
-1.0	-10.9	4.1	2.7	1.1	-0.6	0.1	-0.6	-0.5	4.7	0.4	-1.7	0.1	-1.6	0.01	-3.2	-0.6	1.0	5.0	0.7	1.3	4.1	
-3.7	-13.2	4.9	4.3	2.6	-1.9	2.5	-2.1	-1.9	3.1	0.7	-2.0	-0.6	-0.7	-0.6	-3.3	4.5	1.3	6.5	0.3	0.4	2.3	
2.1	-10.0	-0.2	2.3	-1.0	-0.2	2.0	-0.02	-1.1	1.5	0.2	0.2	2.6	-0.8	-2.5	0.0	-2.5	1.1	3.8	0.9	1.1	0.2	
1.8	-8.4	2.5	-0.7	-1.4	-0.1	-5.4	-0.4	2.5	11.9	-0.3	-4.4	2.3	-1.6	1.8	-4.3	-3.9	0.4	-5.8	3.0	4.4	12.4	
-3.3	-11.7	8.7	4.6	3.4	-0.2	1.1	0.1	-1.2	2.6	0.9	-0.5	-3.1	-3.3	1.1	-4.7	-1.2	1.0	14.4	-0.7	0.1	2.4	
3.8	-8.8	3.8	4.3	-1.4	1.5	2.3	-1.1	-1.0	6.4	-4.4	-1.2	5.4	-3.1	1.7	3.2	-3.5	0.5	0.6	-1.0	-2.4	6.1	
16.2	-29.2	-2.5	6.8	1.3	-0.7	14.8	3.2	-4.4	15.3	-10.6	-2.9	16.6	-24.9	-0.8	10.5	-2.6	-0.6	14.3	-0.6	-4.8	15.1	
1.8	-19.8	-0.8	6.3	-0.8	-0.5	2.6	-3.3	1.6	9.5	-3.4	0.9	3.5	-6.9	-3.4	5.3	-1.4	-1.1	1.5	-1.4	-0.2	9.4	
-1.0	12.2	-4.4	2.0	1.5	2.3	-0.8	0.3	-1.1	15.0	-10.1	0.2	-0.4	12.6	-4.7	0.2	1.5	3.4	-1.7	1.7	-5.6	15.9	
2.3	2.9	7.9	3.1	-2.4	2.9	0.1	-0.9	-1.4	2.5	-3.1	-2.0	4.4	3.1	5.0	1.3	-4.8	1.2	-2.1	-1.2	-2.7	2.1	
-2.7	-9.6	4.8	1.1	0.7	-0.3	0.3	0.1	1.8	5.8	-1.2	-2.1	1.0	-2.7	0.6	-4.2	-1.2	-0.04	6.6	0.9	1.0	6.6	
-0.9	-9.9	4.8	1.5	-0.9	-1.4	0.4	0.1	3.9	1.1	-1.1	-2.1	3.3	0.2	1.7	-5.4	-0.7	-0.8	4.1	0.9	1.7	4.0	
-2.9	-13.2	4.5	0.5	-1.1	1.0	0.2	-0.01	-0.7	11.6	-1.9	-2.2	2.9	-5.3	-0.6	-2.9	-3.7	1.0	7.6	1.0	0.5	10.8	
-3.9	-6.5	4.9	1.3	3.5	-0.3	0.2	0.2	1.9	5.3	-0.7	-2.0	-2.0	-3.1	0.6	-4.2	0.3	-0.2	7.9	0.8	0.8	5.4	
-5.1	-8.3	1.3	1.7	-0.6	0.2	1.9	1.0	-1.2	11.6	-1.9	0.7	-4.4	-1.9	1.0	0.6	-4.1	1.9	2.7	1.4	0.3	12.1	
-4.1	-8.7	-0.7	0.6	-1.1	0.4	2.3	1.0	-1.6	12.2	-1.6	1.7	-3.6	-0.7	-0.6	1.0	-5.3	1.8	3.5	1.5	0.2	13.1	
-6.6	-10.0	11.2	3.6	0.4	0.7	-0.5	1.1	-0.1	9.3	-2.0	-3.5	-5.4	-9.6	11.4	2.0	-1.6	1.8	0.4	0.7	-0.7	10.2	
-8.0	-5.2	2.1	5.0	0.7	-1.1	2.5	1.1	-0.4	11.6	-3.0	-0.01	-6.9	-0.8	-0.1	-2.5	-1.2	2.5	1.6	1.4	1.7	9.4	
-4.6	-9.7	-3.9	4.3	-0.7	0.8	1.4	0.3	1.9	7.9	-4.7	1.5	-0.9	1.5	-3.8	-3.6	-2.6	1.1	4.6	2.4	1.8	6.1	
-5.6	-10.8	-5.5	6.8	-2.5	2.3	2.2	-1.3	2.1	11.7	-8.1	2.4	-3.8	5.2	-4.5	-3.4	-5.6	1.8	5.8	1.6	1.4	8.9	
-3.4	-18.1	0.5	0.8	1.4	-1.6	2.3	-0.6	3.1	-0.1	2.7	2.3	7.1	-4.9	-2.6	-7.4	-1.2	-1.3	5.3	1.1	1.0	-1.1	
-2.9	-3.9	0.9	5.3	-0.8	0.2	0.8	-1.0	0.5	11.1	-6.2	0.7	-2.3	-2.5	-0.6	1.8	0.4	2.4	3.5	1.1	0.9	11.8	
-4.3	-3.5	-7.5	-0.5	2.6	-0.4	-0.9	6.8	1.5	1.6	0.5	-0.7	1.4	1.1	-5.7	-6.0	1.9	0.2	1.7	6.8	4.2	-0.9	
-2.0	-8.5	2.1	2.1	-0.3	0.3	1.5	-0.2	-0.2	7.7	-2.4	-0.6	0.03	-1.7	0.4	-0.7	-2.2	0.5	3.4	0.6	0.2	7.8	

Jadual Table 1.4a : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan
: Sales Value of Manufacturing Sector by Group

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2021	2020				2021			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
101	Pemprosesan dan pengawetan daging	6,625	7,249	7,877	1,415	2,020	1,933	1,882	1,849	1,861	2,039	2,128
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	6,380	6,230	6,281	1,607	1,322	1,663	1,637	1,678	1,613	1,445	1,544
	10201 Pengetinan ikan, krustasea dan moluska											
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	6,015	5,934	5,970	1,526	1,262	1,580	1,567	1,597	1,542	1,373	1,459
	Industri lain	365	295	311	81	60	83	71	81	71	73	85
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	1,667	1,799	1,779	402	410	508	479	521	459	379	419
	10303 Pengetinan nanas	338	347	364	114	78	74	82	118	86	78	82
	10304 Pembuatan jem, marmalad dan sajian jeli											
	Industri lain	1,329	1,452	1,415	288	332	434	398	403	373	301	338
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	129,464	147,991	168,492	27,246	40,100	40,568	40,076	30,600	45,231	45,276	47,386
	10404 Pembuatan minyak sayuran mentah dan bertapis											
	10406 Pembuatan sebatian lemak masakan	13,329	13,747	17,088	3,340	3,110	3,472	3,825	3,785	4,367	4,748	4,188
	10405 Pembuatan minyak kelapa	1,144	1,220	1,143	311	249	305	355	345	244	232	321
	Industri lain	114,991	133,024	150,261	23,595	36,740	36,792	35,896	26,470	40,620	40,295	42,876
105	Pembuatan produk tenusu	9,735	10,056	10,805	2,491	2,387	2,636	2,542	2,585	2,700	2,689	2,831
	10502 Pembuatan susu pekat, tepung dan sejat	8,939	9,330	10,000	2,315	2,226	2,450	2,338	2,371	2,499	2,498	2,632
	Industri lain	795	726	805	176	160	186	204	214	201	190	199
106	Pembuatan produk bijian, kanji dan produk berkanji	7,092	7,342	8,695	1,947	1,838	1,776	1,782	2,021	2,227	2,134	2,313
	10611 Pengilangan beras	2,700	3,207	3,920	879	870	745	714	787	1,049	1,002	1,082
	10613 Pengilangan tepung	4,057	3,811	4,453	981	887	954	989	1,150	1,104	1,056	1,144
	Industri lain	335	324	322	87	81	77	79	84	75	76	87
107	Pembuatan produk makanan lain	43,343	47,410	53,256	11,015	11,950	12,182	12,262	13,437	13,193	12,950	13,676
	10711 Pembuatan biskut dan cookies	2,101	2,140	2,234	494	486	549	612	567	524	467	676
	10712 Pembuatan roti, kek dan produk bakeri lain	8,838	11,633	12,375	2,360	3,256	3,228	2,788	3,204	3,193	3,123	2,854
	10713 Pembuatan produk snek	2,617	2,385	2,342	608	604	584	589	586	575	526	656
	10721 Pembuatan gula	4,902	4,585	5,502	1,271	1,043	1,069	1,203	1,385	1,300	1,333	1,484
	10731 Pembuatan produk koko	3,998	3,697	3,401	943	923	890	941	926	831	792	853
	10732 Pembuatan coklat dan produk coklat											
	10733 Pembuatan konfeksi gula	8,156	10,041	12,588	2,090	2,496	2,632	2,823	3,111	3,214	3,081	3,182
	10793 Pembuatan sos dan bahan perasa	2,305	1,901	2,187	503	418	480	500	542	529	494	622
	10799 Pembuatan produk makanan lain t.t.t.l.	3,521	4,009	4,801	966	1,045	967	1,031	1,140	1,129	1,236	1,296
	Industri lain	6,907	7,018	7,825	1,780	1,679	1,784	1,775	1,976	1,896	1,898	2,054
108/10800	Pembuatan makanan haiwan tersedia	13,568	11,360	13,164	3,483	2,947	2,514	2,416	2,545	3,454	3,607	3,558
110	Pembuatan minuman ringan	12,569	9,487	10,629	3,067	1,395	2,434	2,590	3,009	2,325	2,276	3,019
	11041 Pembuatan minuman ringan	6,897	5,031	6,267	1,564	890	1,252	1,325	1,580	1,363	1,600	1,724
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	1,277	1,082	1,321	275	192	318	296	336	312	338	336
	Industri lain	4,394	3,375	3,040	1,228	313	864	970	1,093	650	338	959
120/12000	Pembuatan produk tembakau	3,909	3,060	2,940	946	184	934	997	973	594	266	1,108
131	Pemintalan, penenunan dan penyiapan tekstil	6,233	5,369	6,132	1,585	904	1,329	1,551	1,559	1,633	1,333	1,608
	13110 Penyediaan dan pemintalan gentian tekstil											
	13120 Penenunan tekstil	4,788	3,922	4,500	1,230	645	921	1,126	1,161	1,278	921	1,140
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	1,345	1,391	1,570	337	254	392	408	386	343	391	450
	Industri lain	101	57	62	18	5	16	17	12	12	20	18
139	Pembuatan tekstil lain	3,830	3,498	4,595	906	673	922	997	1,034	1,046	1,210	1,306
	13910 Pembuatan fabrik dikait dan dikrusye	2,142	1,917	2,240	474	395	511	538	540	524	561	615
	Industri lain	1,688	1,581	2,356	432	278	411	460	495	522	649	690
141	Pembuatan pakaian, kecuali pakaian berbulu	9,282	8,372	8,631	2,309	1,579	2,103	2,382	2,278	1,953	2,019	2,381
	14102 Pembuatan pakaian	7,996	7,486	7,689	2,008	1,473	1,919	2,087	1,993	1,745	1,848	2,103
	Industri lain	1,286	885	942	300	106	184	295	286	208	171	278
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	465	400	405	91	83	112	114	112	104	78	111
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	1,634	1,425	1,440	404	270	360	391	409	294	269	468
152	Pembuatan kasut	1,022	752	750	234	99	189	230	247	169	139	194
	15201 Pembuatan kasut kulit											
	15203 Pembuatan kasut getah	661	464	444	140	65	119	141	151	95	77	121
	Industri lain	362	288	306	94	33	70	90	97	74	62	74
161/16100	Pengilangan dan pengetaman kayu	6,983	5,600	5,885	1,661	642	1,561	1,737	1,759	1,126	1,227	1,773

2020	2021	2020									Group Description /Period
(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	
7,249	7,877	461	443	511	634	686	700	646	641	646	Processing and preserving of meat
6,230	6,281	559	537	511	386	445	491	548	555	561	Processing and preserving of fish, crustaceans and molluscs
5,934	5,970	530	509	487	368	426	468	520	528	533	Canning of fish, crustaceans and molluscs
295	311	29	28	24	17	19	24	28	28	28	Processing, curing and preserving of fish, crustacean and molluscs
1,799	1,779	146	143	113	87	132	191	174	165	169	Processing and preserving of fruits and vegetable
347	364	31	44	38	24	26	27	25	25	24	Pineapple canning
1,452	1,415	115	99	74	62	106	164	149	140	145	Manufacture of jams, marmalades and table jellies
147,991	168,492	9,477	9,118	8,652	12,503	13,014	14,583	12,777	12,897	14,894	Manufacture of vegetable and animal oils and fats
13,747	17,088	1,176	1,029	1,135	960	1,056	1,095	1,146	1,157	1,169	Manufacture of crude and refined vegetable oil
1,220	1,143	98	108	105	76	72	101	101	102	102	Manufacture of compound cooking fats
133,024	150,261	8,203	7,981	7,412	11,468	11,886	13,387	11,530	11,639	13,624	Manufacture of coconut oil
10,056	10,805	822	823	846	690	798	898	901	907	828	Manufacture of dairy products
9,330	10,000	756	765	793	638	747	842	842	847	762	Manufacture of condensed, powdered and evaporated milk
726	805	66	58	53	53	51	56	60	60	66	Other industry
7,342	8,695	645	638	664	660	577	601	586	590	599	Manufacture of grain mill products, starches and starch products
3,207	3,920	249	297	332	343	267	260	245	247	253	Rice milling
3,811	4,453	367	312	302	289	283	315	316	318	319	Flour milling
324	322	28	29	30	28	27	26	25	25	27	Other industry
47,410	53,256	3,679	3,845	3,490	3,719	3,863	4,368	4,073	4,159	3,949	Manufacture of other food products
2,140	2,234	155	168	171	149	156	180	181	183	185	Manufacture of biscuits and cookies
11,633	12,375	804	804	752	1,135	987	1,134	1,125	1,139	963	Manufacture of bread, cakes and other bakery products
2,385	2,342	205	211	192	195	196	213	194	195	195	Manufacture of snack products
4,585	5,502	391	492	388	320	320	403	354	357	357	Manufacture of sugar
3,697	3,401	318	323	302	319	307	297	300	303	287	Manufacture of cocoa products
10,041	12,588	717	719	654	648	850	999	848	909	876	Manufacture of chocolate and chocolate products
1,901	2,187	185	175	142	130	138	150	161	161	157	Manufacture of sugar confectionery
4,009	4,801	312	346	308	261	375	408	319	322	327	Manufacture of sauces and condiments
7,018	7,825	591	607	582	561	534	584	591	591	602	Manufacture of other food products n.e.c.
11,360	13,164	1,168	1,160	1,155	1,152	900	895	841	838	835	Manufacture of prepared animal feeds
9,487	10,629	1,081	1,023	964	362	437	596	714	853	867	Manufacture of beverages
5,031	6,267	538	534	491	294	276	320	376	436	439	Manufacture of soft drinks
1,082	1,321	104	93	78	35	75	83	98	110	110	Production of natural mineral waters and other bottled waters
3,375	3,040	438	395	395	34	86	193	240	307	317	Other industry
3,060	2,940	314	297	334	6	32	146	311	285	337	Manufacture of tobacco products
5,369	6,132	548	538	499	183	306	414	430	450	450	Spinning, weaving and finishing of textiles
3,922	4,500	427	419	384	122	223	300	301	309	310	Preparation and spinning of textile fibres
1,391	1,570	115	113	110	61	82	110	124	134	134	Weaving of textiles
57	62	6	7	5	0	1	4	5	6	5	Dyeing, bleaching, printing and finishing of yarns and fabrics
3,498	4,595	310	312	284	123	258	292	295	315	312	Manufacture of other textiles
1,917	2,240	165	162	146	63	162	170	169	173	169	Manufacture of knitted and crocheted fabrics
1,581	2,356	144	150	138	61	96	121	126	142	143	Other industry
8,372	8,631	804	773	732	372	524	683	691	676	736	Manufacture of wearing apparel, except fur apparel
7,486	7,689	693	674	641	352	483	637	648	621	649	Manufacture of clothings
885	942	111	98	91	20	40	45	43	55	86	Other industry
400	405	30	33	27	15	32	36	43	33	37	Manufacture of articles of fur, knitted and crocheted apparel
1,425	1,440	137	130	138	36	100	134	131	112	117	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
752	750	85	81	68	10	21	68	61	60	68	Manufacture of footwear
464	444	51	48	40	8	17	40	39	38	42	Manufacture of leather footwear
288	306	34	33	28	2	4	28	22	22	26	Manufacture of rubber footwear
5,600	5,885	573	548	540	37	69	536	510	508	543	Sawmilling and planning of wood

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh							
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
101	Pemprosesan dan pengawetan daging	619	668	595	651	602	597	591
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	546	527	564	578	537	564	553
10201 & 10202	Pengetinan ikan, krustasea dan moluska	520	505	541	550	510	537	530
	Pemprosesan dan pengawetan ikan, krustasea dan moluska							
	Industri lain	26	22	23	28	27	27	24
103	Pemprosesan dan pengawetan buah-buahan dansayur - sayuran	167	156	157	177	170	174	171
10303 & 10304	Pengetinan nanas	24	25	32	34	45	38	37
	Pembuatan jem, marmalad dan sajian jeli							
	Industri lain	143	131	125	142	125	136	134
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	14,923	12,764	12,389	10,455	10,195	9,949	14,407
10404 & 10406	Pembuatan minyak sayuran mentah dan bertapis	1,316	1,252	1,256	1,244	1,224	1,317	1,452
	Pembuatan sebatian lemak masakan							
10405	Pembuatan minyak kelapa	114	118	123	120	113	111	87
	Industri lain	13,493	11,394	11,010	9,091	8,858	8,521	12,868
105	Pembuatan produk tenusu	892	845	805	864	850	871	901
10502	Pembuatan susu pekat, tepung dan sejat	825	776	738	793	778	799	832
	Industri lain	68	69	67	70	72	72	69
106	Pembuatan produk bijian, kanji dan produk berkanji	620	580	582	648	662	711	760
10611	Pengilangan beras	259	235	220	250	265	272	351
10613	Pengilangan tepung	334	318	337	371	367	412	383
	Industri lain	26	27	25	27	30	27	26
107	Pembuatan produk makanan lain	4,066	4,073	4,123	4,327	4,560	4,551	4,515
10711	Pembuatan biskut dan cookies	187	206	219	189	180	198	234
10712	Pembuatan roti, kek dan produk bakeri lain	960	920	909	981	1,256	968	1,001
10713	Pembuatan produk snek	198	195	197	195	189	201	211
10721	Pembuatan gula	394	395	414	423	481	481	466
10731	Pembuatan produk koko	332	303	306	317	327	282	289
10732 & 10733	Pembuatan coklat dan produk coklat	898	957	968				
	Pembuatan konfeksi gula				1,026	948	1,137	1,132
10793	Pembuatan sos dan bahan perasa	164	164	172	188	180	175	179
10799	Pembuatan produk makanan lain t.t.t.l.	327	353	351	363	374	403	377
	Industri lain	607	582	587	646	625	706	627
108/ 10800	Pembuatan makanan haiwan tersedia	808	805	803	774	784	987	1,134
110	Pembuatan minuman ringan	858	832	900	979	981	1,049	1,004
11041	Pembuatan minuman ringan	433	419	473	519	520	541	544
11042	Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	102	97	97	100	113	123	124
	Industri lain	324	315	331	360	347	386	336
120/ 12000	Pembuatan produk tembakau	335	307	355	320	301	352	284
131	Pemintalan, penenunan dan penyiapan tekstil	516	513	522	515	509	536	536
13110 & 13120	Penyediaan dan pemintalan gentian tekstil	353	385	388	382	382	397	416
	Penenunan tekstil							
13132	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	157	122	128	127	124	135	116
	Industri lain	6	5	5	5	4	4	4
139	Pembuatan tekstil lain	336	317	344	344	326	364	347
13910	Pembuatan fabrik dikait dan dikrusye	186	167	185	177	170	193	168
	Industri lain	150	151	159	166	157	172	179
141	Pembuatan pakaian, kecuali pakaian berbulu	796	756	830	787	763	729	689
14102	Pembuatan pakaian	701	656	730	687	666	640	609
	Industri lain	95	100	101	100	97	89	79
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	37	37	40	38	38	37	42
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	125	134	133	138	132	139	119
152	Pembuatan kasut	70	73	87	87	80	81	65
15201 & 15203	Pembuatan kasut kulit	44	46	50				
					52	47	52	39
	Pembuatan kasut getah							
	Industri lain	26	27	37	35	33	29	27
161/ 16100	Pengilangan dan pengetaman kayu	557	564	616	585	545	628	503

2021								Group Description/Period
Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
629	640	625	713	701	681	734	713	Processing and preserving of meat
514	546	479	488	479	512	519	513	Processing and preserving of fish, crustaceans and molluscs
								Canning of fish, crustaceans and molluscs
490	522	455	464	454	483	492	484	Processing, curing and preserving of fish, crustacean and molluscs
24	24	24	24	25	29	28	28	Other industry
146	141	129	124	126	134	143	142	Processing and preserving of fruits and vegetable
								Pineapple canning
26	23	24	28	27	27	30	25	Manufacture of jams, marmalades and table jellies
120	119	105	97	99	108	113	117	Other industry
14,498	16,326	14,220	14,187	16,869	16,306	15,901	15,179	Manufacture of vegetable and animal oils and fats
								Manufacture of crude and refined vegetable oil
1,457	1,458	1,483	1,477	1,788	1,418	1,379	1,391	Manufacture of compound cooking fats
96	61	74	80	78	104	110	107	Manufacture of coconut oil
12,945	14,807	12,662	12,630	15,003	14,783	14,412	13,681	Other industry
876	923	836	929	924	948	964	919	Manufacture of dairy products
810	857	775	867	857	880	898	854	Manufacture of condensed, powdered and evaporated milk
66	66	61	62	67	67	66	66	Other industry
707	760	685	689	760	801	758	753	Manufacture of grain mill products, starches and starch products
339	358	313	316	374	395	341	347	Rice milling
344	377	350	347	359	379	387	377	Flour milling
23	25	23	25	28	28	30	29	Other industry
4,179	4,498	4,265	4,256	4,430	4,636	4,507	4,532	Manufacture of other food products
147	144	151	153	163	200	235	241	Manufacture of biscuits and cookies
1,042	1,150	1,050	1,079	994	990	934	930	Manufacture of bread, cakes and other bakery products
183	181	155	168	202	217	218	221	Manufacture of snack products
383	452	433	404	496	498	488	497	Manufacture of sugar
275	266	260	266	266	287	291	275	Manufacture of cocoa products
								Manufacture of chocolate and chocolate products
1,021	1,061	1,038	1,009	1,034	1,114	1,023	1,045	Manufacture of sugar confectionery
177	172	155	161	178	202	210	209	Manufacture of sauces and condiments
369	383	396	412	429	443	425	428	Manufacture of other food products n.e.c.
583	687	626	604	668	686	683	685	Other industry
1,155	1,164	1,217	1,198	1,193	1,165	1,188	1,204	Manufacture of prepared animal feeds
821	499	578	790	908	1,067	975	977	Manufacture of beverages
413	406	470	637	494	611	554	559	Manufacture of soft drinks
96	92	105	121	112	114	114	107	Production of natural mineral waters and other bottled waters
312	2	3	33	303	342	307	310	Other industry
237	72	77	54	135	393	330	384	Manufacture of tobacco products
523	575	463	434	435	488	552	567	Spinning, weaving and finishing of textiles
								Preparation and spinning of textile fibres
421	441	323	314	284	319	409	412	Weaving of textiles
								Dyeing, bleaching, printing and finishing of yarns and fabrics
98	130	136	111	144	163	137	150	Other industry
4	4	4	9	7	6	6	5	Other industry
339	360	395	404	410	431	429	445	Manufacture of other textiles
171	184	186	179	195	210	195	211	Manufacture of knitted and crocheted fabrics
168	175	209	225	215	221	234	235	Other industry
644	620	655	678	686	783	786	813	Manufacture of wearing apparel, except fur apparel
564	572	613	622	612	692	686	725	Manufacture of clothings
80	48	42	55	74	90	100	87	Other industry
42	20	25	24	29	35	37	39	Manufacture of articles of fur, knitted and crocheted apparel
								Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
113	63	60	89	119	149	160	159	Manufacture of footwear
								Manufacture of leather footwear
31	26	23	26	28	39	40	42	Manufacture of rubber footwear
26	22	20	21	20	24	24	25	Other industry
373	250	281	485	460	551	589	634	Sawmilling and planning of wood

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2021	2020				2021			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	22,347	16,681	17,143	5,740	1,659	4,447	4,836	5,123	3,038	3,482	5,500
16211	Pembuatan kepingan venier dan papan lapis	13,000	8,403	8,271	3,302	684	2,124	2,293	2,483	1,420	1,664	2,704
16212	Pembuatan papan partikel dan papan gentian	5,154	4,543	5,226	1,362	418	1,355	1,409	1,457	948	1,155	1,666
16221	Perfukangan kayu untuk jurubina	2,157	1,764	1,893	545	160	474	585	619	322	344	608
	Industri lain	2,036	1,971	1,752	532	396	494	549	564	348	319	522
170	Pembuatan kertas dan produk kertas	22,745	22,276	25,788	5,582	4,934	5,887	5,874	6,180	6,384	6,476	6,748
17010	Pembuatan pulpa, kertas dan kertas tebal	3,952	3,812	5,188	1,026	583	1,059	1,144	1,205	1,272	1,317	1,394
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	8,544	9,374	10,480	2,123	2,090	2,575	2,586	2,569	2,553	2,597	2,761
17091	Pembuatan sampul surat dan kad surat	574	389	326	113	108	84	84	83	80	80	82
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	5,176	4,629	5,154	1,250	1,139	1,155	1,085	1,216	1,286	1,292	1,360
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	2,959	2,392	2,797	662	622	578	531	636	734	747	680
	Industri lain	1,539	1,680	1,843	408	392	436	444	470	458	443	472
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	12,575	11,533	12,098	3,170	1,879	3,184	3,300	3,291	2,682	2,708	3,417
18110	Percetakan	10,119	9,369	9,747	2,579	1,539	2,588	2,662	2,518	2,110	2,306	2,813
18120	Aktiviti perkhidmatan berkaitan percetakan											
&												
18200	Penerbitan semula media rakaman	2,456	2,164	2,351	591	340	596	637	773	572	402	604
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	149,476	128,477	175,557	40,657	27,680	28,840	31,300	33,513	44,230	48,092	49,722
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	77,929	66,825	73,682	19,169	15,059	15,703	16,894	19,511	16,592	18,583	18,996
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	4,512	2,252	2,419	1,148	401	261	442	771	752	554	343
20112	Pembuatan kimia organik asas											
&												
20113	Pembuatan sebatian bukan organik	40,953	34,937	38,505	9,815	7,877	8,186	9,059	10,384	8,318	10,055	9,747
20121	Pembuatan baja											
&												
20129	Pembuatan produk campuran nitrogen	5,737	4,428	4,968	1,397	1,003	1,038	989	1,212	1,196	1,040	1,520
20131	Pembuatan plastik dalam bentuk primer	23,945	22,507	24,184	6,086	5,133	5,566	5,721	6,313	5,495	5,906	6,469
	Industri lain	2,783	2,701	3,607	723	645	651	682	831	831	1,028	917
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	25,152	23,776	28,646	6,222	4,712	6,369	6,473	6,878	6,572	7,003	8,193
20210	Pembuatan racun perosak dan produk agrokimia lain	2,017	1,883	2,681	419	375	518	572	650	608	636	787
20221	Pembuatan cat, varnis dan penyadur dan mastik	6,349	5,310	7,653	1,744	794	1,340	1,432	1,651	1,742	1,757	2,503
20222	Pembuatan dakwat cetak	1,527	998	989	368	200	202	228	246	253	237	252
20231	Pembuatan sabun dan bahan pencuci, penyediaan											
&	membersih dan mengilat	8,398	9,385	10,633	2,114	1,988	2,691	2,591	2,665	2,327	2,757	2,884
20232	Pembuatan pewangi dan penyediaan dandanan diri											
20291	Pembuatan plat fotografi, filem, sensitized paper dan											
&	other sensitized unexposed materials											
20292	Pembuatan dakwat menulis dan melukis	6,255	5,698	6,066	1,434	1,270	1,479	1,516	1,517	1,486	1,438	1,625
&												
20299	Pembuatan produk kimia lain t.t.t.l.											
	Industri lain	605	500	625	142	85	139	134	150	156	178	141
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	6,748	7,843	9,185	1,768	2,006	2,111	1,959	2,117	2,260	2,405	2,403
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	5,500	6,288	7,645	1,460	1,612	1,627	1,588	1,750	1,931	2,006	1,958
	Industri lain	1,249	1,556	1,540	308	394	483	371	367	329	399	445
221	Pembuatan produk getah	40,865	63,435	86,432	11,907	15,457	16,997	19,074	22,899	27,051	19,939	16,544
22111	Pembuatan tayar getah untuk kenderaan	4,024	4,146	5,509	796	982	1,205	1,163	1,065	920	2,013	1,510
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	515	726	666	116	216	226	168	178	159	146	185
22191	Pembuatan produk lain daripada getah asli atau											
&	sintetik, tidak divulkan, divulkan atau dikeraskan	8,584	8,752	7,914	1,870	2,188	2,359	2,335	2,292	2,136	1,684	1,803
22193	Pengilangan semula getah dan prosesan susu getah											
22192	Pembuatan sarung tangan getah	23,346	44,219	65,418	7,999	10,845	11,616	13,759	17,568	22,044	14,479	11,326
22199	Pembuatan produk getah lain yang t.t.t.l.	4,396	5,592	6,925	1,126	1,225	1,591	1,649	1,796	1,792	1,617	1,720
222	Pembuatan produk plastik	47,351	48,459	58,617	11,572	11,442	12,580	12,866	13,733	15,041	14,847	14,996
22201	Pembuatan produk plastik separa siap											
&		13,003	14,628	17,691	3,318	3,705	3,805	3,800	4,205	4,728	4,508	4,250
22202	Pembuatan produk plastik siap											
22203	Pembuatan artikel plastik untuk pembungkusan	12,800	12,943	16,599	3,026	3,003	3,415	3,498	3,780	4,004	4,333	4,483
22204	Pembuatan barangan plastik jurubina	1,118	1,132	1,810	284	244	302	301	353	447	510	500
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	2,576	3,053	4,658	673	658	873	849	937	1,119	1,196	1,406
22209	Pembuatan pelbagai produk plastik t.t.t.l.	17,854	16,704	17,859	4,271	3,831	4,184	4,418	4,458	4,744	4,300	4,357
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	8,107	5,871	5,162	2,264	708	1,282	1,618	1,728	1,317	871	1,246

2020	2021	2020									Group Description/Period
(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	
16,681	17,143	2,001	1,898	1,841	109	168	1,382	1,447	1,411	1,589	Manufacture of products of wood, cork, straw and plaiting materials
8,403	8,271	1,180	1,043	1,079	2	2	680	693	668	763	Manufacture of veneer sheets and plywood
4,543	5,226	441	484	437	3	3	412	439	428	487	Manufacture of particle board and fibreboard
1,764	1,893	196	186	163	12	23	125	152	152	170	Manufacture of builders' carpentry
1,971	1,752	184	185	163	92	139	165	163	162	169	Other industry
22,276	25,788	1,796	1,873	1,913	1,369	1,621	1,943	1,953	1,961	1,973	Manufacture of paper and paper products
3,812	5,188	329	356	342	95	164	325	354	354	351	Manufacture of pulp, paper and paperboard
9,374	10,480	718	703	702	571	717	801	853	857	865	Manufacture of corrugated paper and paperboard and containers of paper and paperboard
389	326	39	34	40	30	38	40	27	27	29	Manufacture of envelopes and letter-card
4,629	5,154	360	416	473	362	358	420	383	385	387	Manufacture of household and personal hygiene paper
2,392	2,797	206	231	225	204	203	215	192	193	192	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
1,680	1,843	145	133	131	108	142	143	144	144	147	Other industry
11,533	12,098	1,117	1,064	988	393	626	860	1,023	1,079	1,081	Printing, service activities related to printing and reproduction of recorded media
9,369	9,747	906	853	820	323	499	717	838	874	875	Printing
2,164	2,351	211	212	168	70	127	143	185	205	206	Service activities related to printing
											Reproduction of recorded media
128,477	175,557	14,973	12,717	12,967	9,921	8,748	9,012	9,368	10,005	9,466	Manufacture of refined petroleum products
66,825	73,682	6,487	6,129	6,554	4,811	4,871	5,377	5,236	5,243	5,223	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
2,252	2,419	387	344	417	88	138	175	87	85	89	Manufacture of liquefied or compressed inorganic industrial or medical gases
34,937	38,505	3,437	3,207	3,170	2,552	2,529	2,796	2,703	2,777	2,706	Manufacture of basic organic chemicals
4,428	4,968	469	476	452	321	308	374	349	347	343	Manufacture of inorganic compounds
											Manufacture of fertilizers
22,507	24,184	1,976	1,873	2,238	1,629	1,691	1,812	1,880	1,817	1,869	Manufacture of associated nitrogen products
2,701	3,607	217	228	278	221	205	219	216	217	217	Manufacture of plastics in primary forms
											Other industry
23,776	28,646	2,129	2,114	1,978	1,173	1,614	1,924	2,101	2,168	2,100	Manufacture of other chemical products and man-made fibres
1,883	2,681	173	128	118	109	126	140	160	206	151	Manufacture of pesticides and other agrochemical products
5,310	7,653	593	599	552	147	259	387	445	443	453	Manufacture of paints, varnishes and similar coatings ink and mastics
998	989	136	119	112	57	71	73	68	67	67	Manufacture of printing ink
9,385	10,633	690	735	689	462	712	814	889	911	891	Manufacture of soap and detergents, cleaning and polishing preparations
											Manufacture of perfumes and toilet preparations
											Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
5,698	6,066	484	483	468	378	420	472	490	493	495	Manufacture of writing and drawing ink
500	625	53	50	40	21	26	38	49	48	42	Manufacture of other chemical products n.e.c.
											Other industry
7,843	9,185	566	581	621	622	645	740	694	712	705	Manufacture of pharmaceuticals, medicinal chemical and botanical products
6,288	7,645	465	488	507	518	524	570	530	556	542	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
1,556	1,540	101	93	113	103	120	171	164	156	163	Other industry
63,435	86,432	3,561	3,436	4,910	5,105	5,067	5,285	5,506	5,563	5,927	Manufacture of rubber products
4,146	5,509	306	316	174	181	351	450	396	401	407	Manufacture of rubber tyres for vehicles
726	666	38	45	33	28	80	109	106	58	62	Manufacture of interchangeable tyre treads and retreading rubber tyres
8,752	7,914	702	638	530	597	692	900	886	740	733	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
											Rubber remilling and latex processing
44,219	65,418	2,134	2,053	3,811	3,949	3,558	3,339	3,598	3,839	4,179	Manufacture of rubber gloves
5,592	6,925	381	384	362	351	387	488	521	525	545	Manufacture of other rubber products n.e.c.
48,459	58,617	4,032	3,875	3,665	3,448	3,744	4,250	4,225	4,204	4,150	Manufacture of plastics products
14,628	17,691	1,126	1,107	1,085	1,127	1,255	1,323	1,258	1,270	1,277	Manufacture of semi-manufactures of plastic products
12,943	16,599	1,115	978	933	870	953	1,180	1,131	1,144	1,140	Manufacture of finished plastic products
1,132	1,810	101	93	90	79	73	92	98	99	105	Manufacture of plastic articles for the packing of goods
3,053	4,658	219	240	214	173	179	306	355	280	238	Manufacture of builders' plastics ware
16,704	17,859	1,470	1,458	1,343	1,199	1,283	1,349	1,383	1,411	1,390	Manufacture of plastic tableware, kitchenware and toilet articles
											Manufacture of diverse plastic products n.e.c.
5,871	5,162	736	705	823	185	243	280	418	434	430	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh							
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	1,548	1,619	1,669	1,707	1,632	1,784	1,380
16211	Pembuatan kepingan venier dan papan lapis	704	778	811	816	784	884	643
16212	Pembuatan papan partikel dan papan gentian	470	459	481	496	459	501	420
16221	Perfukangan kayu untuk jurubina	193	194	198	203	205	211	161
	Industri lain	181	189	179	192	183	188	156
170	Pembuatan kertas dan produk kertas	2,011	1,971	1,891	1,947	1,965	2,268	2,221
17010	Pembuatan pulpa, kertas dan kertas tebal	388	371	384	384	384	438	430
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	912	888	787	809	806	954	951
17091	Pembuatan sampul surat dan kad surat	29	27	29	27	26	30	27
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	352	351	381	377	394	446	443
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	178	179	173	189	201	247	215
	Industri lain	153	154	137	161	155	154	156
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	1,089	1,102	1,109	1,136	1,091	1,064	1,062
18110	Percetakan	880	895	888	866	828	824	827
18120	Aktiviti perkhidmatan berkaitan percetakan	209	207	221				
&					270	263	240	234
18200	Penerbitan semula media rakaman							
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	9,505	10,409	11,386	11,805	10,576	11,133	14,568
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	5,114	5,501	6,279	6,465	6,387	6,658	5,142
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	71	87	284	295	285	190	234
20112	Pembuatan kimia organik asas	2,691	2,941	3,427				
&					3,438	3,407	3,538	2,460
20113	Pembuatan sebatian bukan organik							
20121	Pembuatan baja	302	318	369				
&					376	406	429	427
20129	Pembuatan produk campuran nitrogen							
20131	Pembuatan plastik dalam bentuk primer	1,830	1,926	1,965	2,086	2,013	2,214	1,733
	Industri lain	220	230	233	269	275	287	288
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	2,120	2,191	2,161	2,238	2,183	2,458	2,274
20210	Pembuatan racun perosak dan produk agrokimia lain	150	213	209	216	208	226	218
20221	Pembuatan cat, varnis dan penyadur dan mastik	465	484	483	505	498	648	645
20222	Pembuatan dakwat cetak	71	79	78	82	80	84	90
20231	Pembuatan sabun dan bahan pencuci, penyediaan	882	854	855				
&	membersih dan mengilap				885	846	934	767
20232	Pembuatan pewangi dan penyediaan dandanan diri							
20291	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	504	519	493				
&								
20292	Pembuatan dakwat menulis dan melukis				503	503	512	505
&								
20299	Pembuatan produk kimia lain t.t.t.l.							
	Industri lain	48	42	44	47	49	53	50
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	673	660	626	660	700	756	722
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	540	538	510	552	577	621	611
	Industri lain	133	122	116	108	123	135	112
221	Pembuatan produk getah	6,502	6,246	6,326	6,965	6,437	9,496	9,513
22111	Pembuatan tayar getah untuk kenderaan	396	386	382	332	354	380	370
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	54	58	56	61	55	61	62
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	782	761	792				
&					740	726	826	729
22193	Pengilangan semula getah dan prosesan susu getah							
22192	Pembuatan sarung tangan getah	4,731	4,482	4,546	5,243	4,724	7,602	7,726
22199	Pembuatan produk getah lain yang t.t.t.l.	540	560	550	591	578	627	627
222	Pembuatan produk plastik	4,251	4,277	4,338	4,484	4,365	4,884	5,171
22201	Pembuatan produk plastik separa siap	1,278	1,239	1,283				
&					1,383	1,338	1,483	1,589
22202	Pembuatan produk plastik siap							
22203	Pembuatan artikel plastik untuk pembungkusan barangan	1,166	1,164	1,168	1,273	1,199	1,308	1,378
22204	Pembuatan barangan plastik jurubina	100	99	102	111	101	141	148
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	284	291	274	316	273	348	380
22209	Pembuatan pelbagai produk plastik t.t.t.l.	1,423	1,483	1,511	1,400	1,454	1,604	1,675
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	486	532	599	598	561	569	503

2021								Group Description/Period
Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
892	766	731	1,259	1,493	1,685	1,878	1,937	Manufacture of products of wood, cork, straw and plaiting materials
401	376	326	603	735	818	932	954	Manufacture of veneer sheets and plywood
282	246	262	396	498	516	562	588	Manufacture of particle board and fibreboard
101	60	72	139	133	195	202	210	Manufacture of builders' carpentry
109	83	71	120	127	155	181	185	Other industry
2,079	2,084	2,049	2,195	2,232	2,284	2,285	2,179	Manufacture of paper and paper products
426	416	414	453	450	502	452	441	Manufacture of pulp, paper and paperboard
858	744	820	882	895	947	953	861	Manufacture of corrugated paper and paperboard and containers of paper and paperboard
28	26	25	27	28	28	27	27	Manufacture of envelopes and letter-card
404	440	402	429	461	424	468	468	Manufacture of household and personal hygiene paper
208	311	242	260	245	227	228	224	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
155	147	146	144	153	156	157	158	Other industry
934	687	801	935	971	983	1,210	1,224	Printing, service activities related to printing and reproduction of recorded media
716	567	675	802	828	824	984	1,005	Printing
218	120	126	133	143	159	226	219	Service activities related to printing
								Reproduction of recorded media
14,947	14,715	16,463	16,084	15,545	15,666	17,604	16,452	Manufacture of refined petroleum products
5,267	6,183	6,293	6,488	5,802	5,903	6,191	6,902	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
239	279	276	184	94	96	104	142	Manufacture of liquefied or compressed inorganic industrial or medical gases
2,693	3,166	3,362	3,617	3,076	2,971	3,167	3,610	Manufacture of basic organic chemicals
389	379	337	349	354	492	487	542	Manufacture of inorganic compounds
1,679	2,084	2,007	1,966	1,932	2,073	2,128	2,267	Manufacture of associated nitrogen products
267	275	311	371	346	271	305	341	Manufacture of plastics in primary forms
								Other industry
2,138	2,159	2,015	2,329	2,659	2,657	2,686	2,850	Manufacture of other chemical products and man-made fibres
185	205	203	213	220	242	251	294	Manufacture of pesticides and other agrochemical products
596	501	381	593	783	827	809	866	Manufacture of paints, varnishes and similar coatings ink and mastics
79	85	83	82	73	78	86	88	Manufacture of printing ink
731	829	798	910	1,050	933	944	1,007	Manufacture of soap and detergents, cleaning and polishing preparations
								Manufacture of perfumes and toilet preparations
								Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
495	486	485	479	474	529	551	545	Manufacture of writing and drawing ink
51	54	66	53	58	48	44	49	Manufacture of other chemical products n.e.c.
								Other industry
695	843	766	799	839	818	807	778	Manufacture of pharmaceuticals, medicinal chemical and botanical products
598	723	650	659	697	669	659	630	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
97	120	116	141	143	149	147	148	Other industry
8,764	8,774	8,217	5,877	5,845	5,766	5,505	5,273	Manufacture of rubber products
301	249	1,157	443	414	645	433	432	Manufacture of rubber tyres for vehicles
58	39	40	52	54	63	68	53	Manufacture of interchangeable tyre treads and retreading rubber tyres
674	733	580	539	565	614	594	594	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
7,165	7,154	5,905	4,307	4,267	3,849	3,837	3,640	Rubber remilling and latex processing
566	600	535	537	546	594	573	553	Manufacture of rubber gloves
								Manufacture of other rubber products n.e.c.
4,903	4,967	4,841	5,070	4,937	4,954	4,997	5,045	Manufacture of plastics products
1,535	1,603	1,545	1,483	1,480	1,433	1,410	1,408	Manufacture of semi-manufactures of plastic products
								Manufacture of finished plastic products
1,308	1,317	1,432	1,518	1,383	1,462	1,519	1,501	Manufacture of plastic articles for the packing of goods
141	158	155	168	187	166	167	167	Manufacture of builders' plastics ware
350	388	308	430	458	478	429	499	Manufacture of plastic tableware, kitchenware and toilet articles
1,567	1,501	1,400	1,471	1,429	1,416	1,471	1,470	Manufacture of diverse plastic products n.e.c.
471	343	279	258	334	354	441	450	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2021	2020				2021			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	41,201	34,318	37,611	9,857	5,170	9,276	10,015	10,610	8,486	7,894	10,621
23911 &	Pembuatan mortar refraktori dan konkrit	2,619	2,005	2,146	599	297	506	604	727	504	304	612
23921	Pembuatan seramik bukan refraktori											
23930	Pembuatan produk porselin dan seramik lain	979	745	1,006	197	146	188	214	251	243	235	277
23941	Pembuatan simen hidrolik	9,664	8,467	8,946	2,257	1,177	2,451	2,582	2,612	2,119	1,661	2,555
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	8,943	5,897	6,617	2,054	761	1,461	1,621	1,703	1,399	1,482	2,032
23952 &	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;											
23953 &	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	14,122	13,264	14,056	3,672	2,132	3,590	3,870	3,969	3,129	3,101	3,858
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.											
23990	Pembuatan produk mineral bukan logam lain t.t.t.l. Industri lain	3,572	2,851	3,624	781	467	768	836	997	831	864	931
		1,302	1,090	1,216	297	192	312	288	352	261	247	356
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	27,674	24,299	26,476	7,087	3,440	6,704	7,067	6,787	5,380	6,219	8,090
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	23,915	21,093	22,575	5,887	3,257	5,674	6,275	6,286	4,789	4,903	6,598
243	Pengacuan logam	569	504	514	154	87	140	123	122	126	113	153
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	27,107	22,226	24,551	6,580	4,018	5,404	6,223	6,537	5,689	5,363	6,961
25113 &	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	19,546	15,705	17,192	4,723	2,753	3,821	4,408	4,691	3,874	3,842	4,785
25119	Pembuatan produk struktur logam lain											
25120	Pembuatan tangki, takungan dan kontena daripada logam	6,374	5,612	6,640	1,586	1,097	1,353	1,576	1,639	1,640	1,372	1,990
	Industri lain	1,187	908	718	271	168	230	239	207	176	149	186
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	36,092	31,160	32,456	8,924	6,107	7,793	8,336	8,935	7,898	6,591	9,031
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	4,899	3,574	4,189	1,257	651	759	907	1,073	1,026	914	1,176
25920	Rawatan dan penyalutan logam; menggunakan mesin	2,465	2,153	2,920	604	424	555	571	799	672	592	856
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	8,061	6,731	5,995	1,912	1,550	1,612	1,657	1,592	1,418	1,375	1,610
25992 &	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam											
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	13,477	11,769	11,842	3,332	2,011	3,106	3,320	3,595	2,788	2,130	3,329
25994	Pembuatan barangan rumah daripada logam	223	159	241	54	27	39	39	61	68	56	56
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	6,326	6,191	6,529	1,621	1,306	1,574	1,689	1,644	1,736	1,348	1,800
	Industri lain	641	583	739	144	138	148	152	170	189	176	204
261	Pembuatan komponen dan papan elektronik	220,271	225,020	268,522	56,043	46,764	61,190	61,023	63,776	58,728	70,923	75,095
26101 &	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	128,442	132,175	154,125	33,051	27,735	35,168	36,221	36,520	33,940	39,498	44,166
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro											
26103 &	Pembuatan kapasitor dan perintang elektrik											
26104 &	Pembuatan papan litar bercetak	86,541	85,847	105,853	21,686	17,525	23,940	22,697	25,358	22,818	29,243	28,434
26105	Pembuatan komponen paparan											
26109	Pembuatan komponen lain untuk aplikasi elektronik	5,289	6,998	8,544	1,307	1,504	2,082	2,105	1,897	1,970	2,182	2,495
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	46,893	44,740	46,756	10,932	8,931	12,831	12,047	11,801	13,262	9,323	12,370
263/ 26300	Pembuatan peralatan komunikasi	17,472	17,120	14,469	4,117	3,838	4,849	4,315	4,163	3,337	3,173	3,796
264/ 26400	Pembuatan peralatan elektronik pengguna	39,781	35,626	38,593	8,737	5,654	11,212	10,022	9,612	8,658	8,877	11,445
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	11,868	13,027	14,075	2,859	2,854	3,800	3,515	3,279	2,849	3,554	4,393
26511 &	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	10,459	11,654	12,238	2,540	2,591	3,413	3,110	2,866	2,458	3,130	3,784
26512	Pembuatan kelengkapan kawalan proses perindustrian											
26520	Pembuatan jam tangan dan jam dan bahagiannya	1,409	1,373	1,837	319	262	387	405	412	391	424	609
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	6,354	6,278	7,829	1,536	1,362	1,720	1,659	1,964	2,159	2,209	1,497

2020	2021	2020									Group Description/Period
(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	
34,318	37,611	3,493	3,325	3,040	755	1,708	2,708	3,069	3,087	3,120	Manufacture of non-metallic mineral products n.e.c. <i>Manufacture of refractory mortars and concretes</i>
2,005	2,146	216	209	174	72	104	121	164	168	174	<i>Manufacture of non-refractory ceramic</i>
745	1,006	76	75	46	40	49	56	56	66	66	<i>Manufacture of other porcelain and ceramic products</i>
8,467	8,946	771	721	765	102	362	713	813	815	823	<i>Manufacture of hydraulic cement</i>
5,897	6,617	678	690	687	70	236	454	491	491	479	<i>Manufacture of ready-mix and dry-mix concrete and mortars</i>
13,264	14,056	1,390	1,247	1,034	332	746	1,054	1,186	1,185	1,219	<i>Manufacture of precast concrete, cement or artificial stone articles for use in construction</i>
2,851	3,624	250	275	257	96	156	215	249	250	268	<i>Manufacture of other non-metallic mineral products n.e.c.</i>
1,090	1,216	112	108	77	42	55	95	110	112	91	<i>Other industry</i>
24,299	26,476	2,382	2,328	2,377	569	813	2,058	2,108	2,169	2,427	Manufacture of basic iron and steel
21,093	22,575	2,143	2,023	1,721	616	863	1,778	1,765	1,872	2,037	Manufacture of basic precious and other non-ferrous metals
504	514	49	55	50	16	35	36	48	44	48	Casting of metals
22,226	24,551	2,404	2,085	2,091	827	1,602	1,590	1,797	1,827	1,780	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
15,705	17,192	1,746	1,470	1,507	574	1,105	1,073	1,270	1,292	1,259	<i>Manufacture of metal doors, windows and their frames, shutters and gates</i> <i>Manufacture of other structural metal products</i>
5,612	6,640	565	526	494	223	429	445	452	457	444	<i>Manufacture of tanks, reservoirs and containers of metal</i>
908	718	93	88	90	30	67	72	75	78	77	<i>Other industry</i>
31,160	32,456	3,110	2,997	2,817	1,545	2,149	2,413	2,528	2,627	2,637	Manufacture of other fabricated metal products; metal working service activities
3,574	4,189	459	421	377	196	212	243	231	266	262	<i>Forging, pressing, stamping and roll-forming of metal; powder metallurgy</i>
2,153	2,920	216	211	176	93	168	163	184	184	187	<i>Treatment and coating of metals; machining</i>
6,731	5,995	661	646	605	531	472	548	529	537	546	<i>Manufacture of tins and cans for food products, collapsible tubes and boxes</i> <i>Manufacture of metal cable, plaited bands and similar articles</i>
11,769	11,842	1,141	1,125	1,067	376	758	877	1,014	1,048	1,044	<i>Manufacture of bolts, screws, nuts and similar threaded products</i>
159	241	19	20	15	8	9	10	12	13	14	<i>Manufacture of metal household articles</i>
6,191	6,529	561	526	534	308	479	519	509	530	535	<i>Manufacture of any other fabricated metal products n.e.c.</i>
583	739	53	49	43	33	51	53	49	50	50	<i>Other industry</i>
225,020	268,522	19,745	18,443	17,854	11,350	15,111	20,303	20,873	19,818	20,499	Manufacture of electronic components and boards <i>Manufacture of diodes, transistors and similar semiconductor devices</i> <i>Manufacture of electronic integrated circuits micro assemblies</i>
132,175	154,125	11,859	10,708	10,484	7,020	9,022	11,693	11,993	11,226	11,950	<i>Manufacture of electrical capacitors and resistors</i>
85,847	105,853	7,413	7,315	6,957	4,007	5,569	7,949	8,212	7,881	7,847	<i>Manufacture of printed circuit boards</i>
6,998	8,544	473	420	413	323	519	661	668	711	703	<i>Manufacture of display components</i> <i>Manufacture of other components for electronic applications</i>
44,740	46,756	3,477	3,906	3,549	2,517	2,410	4,004	4,461	3,964	4,406	Manufacture of computers and peripheral equipment
17,120	14,469	1,435	1,272	1,410	968	1,214	1,656	1,716	1,519	1,614	Manufacture of communication equipment
35,626	38,593	2,984	2,840	2,913	1,127	1,344	3,183	3,600	3,651	3,961	Manufacture of consumer electronics
13,027	14,075	1,123	824	913	619	951	1,283	1,320	1,333	1,147	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
11,654	12,238	1,004	723	813	552	872	1,167	1,197	1,210	1,006	<i>Manufacture of measuring, testing, navigating and control equipment</i> <i>Manufacture of industrial process control equipment</i>
1,373	1,837	119	100	100	68	79	116	123	123	141	<i>Manufacture of watches and clocks and parts</i>
6,278	7,829	508	489	539	369	445	548	568	572	580	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh							
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	3,156	3,349	3,510	3,624	3,408	3,579	3,206
23911	Pembuatan mortar refraktori dan konkrit							
&		176	198	230	250	232	245	191
23921	Pembuatan seramik bukan refraktori							
23930	Pembuatan produk porselin dan seramik lain	67	68	79	84	84	82	86
23941	Pembuatan simen hidrolik	830	869	883	873	852	886	837
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	478	552	590	581	544	578	510
23952	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;							
&								
23953	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	1,224	1,310	1,336	1,380	1,269	1,319	1,174
&								
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.	286	262	288	341	313	343	295
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	94	90	104	114	113	124	112
	Industri lain							
241								
(24101 &								
24102 &								
24103 &								
24104 &								
24109)								
242								
(24201 &								
24202 &								
24209)								
243	Pengacuan logam	44	40	40	42	39	42	51
251 &	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	1,925	2,022	2,276	2,340	2,062	2,135	2,145
252								
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	1,359	1,407	1,642				
&					1,698	1,470	1,523	1,526
25119	Pembuatan produk struktur logam lain							
25120	Pembuatan tangki, takungan dan kontena daripada logam	489	535	552	563	536	540	554
	Industri lain	77	80	82	78	56	73	65
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	2,665	2,696	2,975	3,074	2,912	2,949	3,150
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	264	267	376	371	333	368	370
25920	Rawatan dan penyalutan logam; menggunakan mesin	182	185	204	252	265	282	271
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	541	545	571	565	516	511	505
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	1,074	1,076	1,170				
&								
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya				1,244	1,190	1,161	1,104
25994	Pembuatan barangan rumah daripada logam	13	12	14	16	17	28	29
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	540	560	589	565	546	533	799
	Industri lain	52	50	51	60	45	65	72
261	Pembuatan komponen dan papan elektronik	20,103	19,846	21,073	20,978	21,105	21,692	19,142
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	11,805	11,831	12,585				
&					12,457	11,786	12,278	11,046
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro							
26103	Pembuatan kapasitor dan perintang elektrik	7,595	7,312	7,789				
&								
26104	Pembuatan papan litar bercetak				7,906	8,710	8,741	7,482
&								
26105	Pembuatan komponen paparan							
26109	Pembuatan komponen lain untuk aplikasi elektronik	703	704	699	615	609	673	615
262								
(26201 &								
26202)								
263/								
26300	Pembuatan peralatan komunikasi	1,414	1,367	1,534	1,466	1,311	1,386	1,021
264/								
26400	Pembuatan peralatan elektronik pengguna	3,644	3,087	3,291	3,211	3,196	3,205	2,960
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	1,128	1,044	1,343	1,297	930	1,052	935
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	987	923	1,199				
&					1,157	797	912	806
26512	Pembuatan kelengkapan kawalan proses perindustrian							
26520	Pembuatan jam tangan dan jam dan bahagiannya	140	121	143	140	133	140	130
266/								
26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	556	511	592	712	598	654	644

2021								Group Description/Period
Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
2,946	2,335	2,383	2,688	2,823	3,204	3,632	3,785	Manufacture of non-metallic mineral products n.e.c.
								Manufacture of refractory mortars and concretes
186	127	71	105	128	180	208	224	Manufacture of non-refractory ceramic
85	71	67	80	88	91	93	93	Manufacture of other porcelain and ceramic products
754	528	531	561	570	756	887	912	Manufacture of hydraulic cement
485	404	406	490	586	621	707	704	Manufacture of ready-mix and dry-mix concrete and mortars
								Manufacture of precast concrete, cement or artificial stone articles for use in construction
1,065	890	967	1,074	1,059	1,135	1,304	1,418	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
287	250	279	291	294	312	312	307	Manufacture of other articles of concrete, cement and plaster n.e.c.
82	66	63	87	98	109	121	126	Manufacture of other non-metallic mineral products n.e.c. Other industry
1,795	1,389	1,330	2,113	2,776	2,731	2,685	2,673	Manufacture of basic iron and steel
1,574	1,246	1,130	1,718	2,055	2,141	2,195	2,262	Manufacture of basic precious and other non-ferrous metals
47	28	28	40	45	48	50	54	Casting of metals
2,016	1,529	1,496	1,820	2,047	2,207	2,276	2,478	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
								Manufacture of metal doors, windows and their frames, shutters and gates
1,416	931	1,087	1,251	1,503	1,524	1,548	1,713	Manufacture of other structural metal products
537	549	363	520	490	627	664	698	Manufacture of tanks, reservoirs and containers of metal
62	49	46	49	54	55	64	66	Other industry
2,795	1,953	1,874	2,130	2,587	2,883	2,999	3,149	Manufacture of other fabricated metal products; metal working service activities
369	286	286	289	339	367	397	412	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
219	183	161	201	231	277	287	291	Treatment and coating of metals; machining
452	460	393	452	530	511	537	562	Manufacture of tins and cans for food products, collapsible tubes and boxes
								Manufacture of metal cable, plaited bands and similar articles
1,109	575	566	684	880	1,064	1,097	1,169	Manufacture of bolts, screws, nuts and similar threaded products
27	12	19	18	18	18	19	19	Manufacture of metal household articles
553	385	391	426	531	581	593	627	Manufacture of any other fabricated metal products n.e.c.
65	52	57	60	58	66	69	69	Other industry
18,592	20,994	21,593	23,218	26,112	24,782	24,072	26,241	Manufacture of electronic components and boards
								Manufacture of diodes, transistors and similar semiconductor devices
10,610	12,284	12,706	12,856	13,936	14,670	14,283	15,213	Manufacture of electronic integrated circuits micro assemblies
								Manufacture of electrical capacitors and resistors
7,324	8,012	8,261	9,659	11,323	9,303	8,968	10,164	Manufacture of printed circuit boards
658	697	626	703	853	809	821	865	Manufacture of display components
								Manufacture of other components for electronic applications
3,843	4,371	3,642	3,382	2,299	4,405	3,797	4,169	Manufacture of computers and peripheral equipment
968	1,349	945	992	1,236	1,260	1,271	1,265	Manufacture of communication equipment
2,820	2,878	1,932	3,318	3,627	3,881	3,948	3,617	Manufacture of consumer electronics
899	1,014	991	1,204	1,359	1,339	1,331	1,723	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
								Manufacture of measuring, testing, navigating and control equipment
777	875	858	1,076	1,196	1,140	1,113	1,531	Manufacture of industrial process control equipment
122	140	132	129	163	199	218	192	Manufacture of watches and clocks and parts
617	897	807	641	761	811	336	349	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2021	2020				2021			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	1,360	1,417	1,682	298	284	424	411	370	383	371	559
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	10,701	10,580	12,845	2,556	2,095	3,012	2,916	2,794	3,091	3,214	3,745
	27101 Pembuatan motor elektrik, penjana dan transformer	3,679	4,131	4,672	887	857	1,222	1,165	1,033	1,117	1,203	1,319
	27102 Pembuatan perkakasan pengagihan dan pengawalan	7,022	6,449	8,173	1,669	1,238	1,791	1,751	1,762	1,974	2,011	2,426
272/ 27200	Pembuatan bateri dan akumulator	4,497	5,166	4,975	1,032	1,397	1,496	1,240	968	1,212	1,464	1,331
273	Pembuatan pendawaian dan peranti pendawaian	10,144	8,432	10,640	2,208	1,441	2,317	2,467	2,396	2,580	2,673	2,990
	27310 Pembuatan kabel gentian optikal	256	227	308	59	47	61	61	63	62	85	98
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	9,401	7,731	9,599	2,019	1,311	2,129	2,271	2,178	2,325	2,397	2,699
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	487	474	734	130	82	127	135	155	193	192	193
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	898	1,324	1,287	219	330	449	326	286	306	318	376
275/ 27500	Pembuatan perkakasan domestik	10,901	10,017	10,968	2,694	1,724	2,839	2,760	2,553	2,581	2,707	3,127
279/ 27900	Pembuatan kelengkapan elektrik lain	6,152	6,605	7,774	1,386	1,432	1,938	1,849	1,670	1,921	2,005	2,178
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	36,932	36,825	42,783	8,917	8,354	9,974	9,580	9,430	11,289	10,655	11,408
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	2,906	2,312	2,912	698	405	575	633	622	761	690	839
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	7,641	8,498	10,853	1,968	2,070	2,312	2,148	2,407	2,987	2,675	2,783
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	8,489	10,135	11,938	2,183	2,377	2,900	2,675	2,725	3,099	2,901	3,213
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	7,568	6,803	6,030	1,766	1,724	1,674	1,639	1,235	1,673	1,546	1,576
		10,329	9,078	11,049	2,303	1,778	2,513	2,484	2,440	2,769	2,843	2,997
291 (29101 & 29102)	Pembuatan kenderaan bermotor	34,756	36,716	38,540	7,913	4,428	11,601	12,773	9,334	7,718	8,131	13,355
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	3,620	5,501	6,553	1,015	1,348	1,717	1,421	1,531	1,742	1,271	2,009
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	30,001	30,759	32,291	7,004	5,941	8,944	8,870	8,688	7,803	6,895	8,905
301 (30110 & 30120)	Pembinaan kapal dan bot	4,274	3,399	5,121	1,063	250	850	1,236	1,198	1,135	1,224	1,564
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	10,522	9,546	8,983	2,702	1,941	2,387	2,516	2,537	2,160	1,787	2,498
	30910 Pembuatan motosikal	3,463	2,352	2,041	1,034	308	468	541	606	543	383	509
	30920 Pembuatan basikal dan invalid carriages	1,777	2,240	2,317	377	467	672	725	644	514	481	678
	Industri lain	5,282	4,955	4,625	1,291	1,166	1,247	1,251	1,287	1,104	923	1,312
310	Pembuatan perabot	17,816	16,524	15,579	4,475	2,416	4,718	4,914	4,702	3,230	2,876	4,772
	31001 Pembuatan perabot kayu dan rotan	11,905	10,982	8,579	3,155	1,512	3,096	3,219	3,029	1,801	1,414	2,335
	Industri lain	5,912	5,542	7,001	1,320	904	1,623	1,695	1,673	1,429	1,462	2,437
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	5,024	4,416	4,501	1,309	597	1,240	1,269	1,333	1,391	593	1,184
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	5,031	5,209	5,573	1,316	1,171	1,403	1,321	1,352	1,339	1,375	1,508
	32901 Pembuatan alat tulis	1,198	1,230	1,386	316	275	329	310	366	372	315	333
	Industri lain	3,833	3,980	4,187	1,000	896	1,074	1,010	986	967	1,060	1,175
323/ 32300	Pembuatan barangan sukan	226	273	200	54	76	76	67	56	59	37	49
324/ 32400	Pembuatan permainan dan mainan	874	600	623	168	104	164	164	144	154	135	190
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	6,003	5,324	5,326	1,421	870	1,563	1,469	1,430	1,129	1,176	1,591
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	1,628	1,695	1,800	282	327	580	505	474	369	409	548
	Industri lain	4,376	3,629	3,526	1,139	544	983	964	955	760	767	1,043
Jumlah Pembuatan		1,376,027	1,346,620	1,554,738	339,324	282,020	358,828	366,447	368,234	377,735	381,793	426,976

2020	2021	2020									Group Description/Period
(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	
1,417	1,682	106	101	90	56	94	135	141	142	141	Manufacture of optical instruments, photographic equipment, magnetic and optical media
10,580	12,845	885	847	823	476	697	922	1,010	1,017	985	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
4,131	4,672	304	287	296	200	276	381	415	419	388	Manufacture of electric motors, generators and transformers
6,449	8,173	581	560	527	275	421	542	596	597	598	Manufacture of electricity distribution and control apparatus
5,166	4,975	394	340	299	367	467	563	519	525	451	Manufacture of batteries and accumulators
8,432	10,640	817	725	666	315	449	676	775	769	773	Manufacture of wiring and wiring devices
227	308	19	21	18	13	14	21	18	21	22	Manufacture of fibre optic cables
7,731	9,599	748	657	614	290	406	615	713	707	710	Manufacture of other electronic and electric wires and cables
474	734	50	46	34	12	30	40	44	42	41	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
1,324	1,287	78	71	70	49	89	192	200	123	125	Manufacture of electric lighting equipment
10,017	10,968	938	872	884	510	416	798	955	958	926	Manufacture of domestic appliances
6,605	7,774	491	446	449	248	492	692	645	649	644	Manufacture of other electrical equipment
36,825	42,783	2,982	2,981	2,954	1,948	2,554	3,852	3,533	3,250	3,191	Manufacture of general-purpose and special-purpose machinery
											Manufacture of fluid power equipment
2,312	2,912	252	223	222	88	131	186	191	192	193	Manufacture of other pumps, compressors, taps and valves
											Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
8,498	10,853	699	663	605	370	766	934	866	725	721	Manufacture of metal-forming machinery and machine tools
10,135	11,938	720	730	733	612	598	1,167	1,060	954	887	Manufacture of air-conditioning machines, including for motor vehicles
6,803	6,030	550	620	595	529	443	751	591	538	545	Manufacture of other special-purpose machinery n.e.c.
9,078	11,049	760	744	798	350	615	813	826	842	845	Other industry
36,716	38,540	2,901	2,712	2,300	53	1,171	3,205	3,993	3,895	3,712	Manufacture of motor vehicles
5,501	6,553	363	337	316	179	418	751	656	558	502	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
30,759	32,291	2,562	2,379	2,063	1,188	2,040	2,713	3,100	3,109	2,735	Manufacture of parts and accessories for motor vehicles
3,399	5,121	371	297	395	15	17	219	268	268	313	Building of ships and boats
9,546	8,983	963	890	850	357	750	834	784	804	799	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
2,352	2,041	359	376	299	35	116	157	160	157	151	Manufacture of motorcycles
2,240	2,317	141	139	97	68	184	215	223	225	224	Manufacture of bicycles and invalid carriages
4,955	4,625	463	375	453	254	450	462	401	422	424	Other industry
16,524	15,579	1,564	1,449	1,462	114	762	1,540	1,567	1,577	1,575	Manufacture of furniture
10,982	8,579	1,079	991	1,085	69	400	1,043	1,029	1,036	1,030	Manufacture of wooden and cane furniture
5,542	7,001	484	458	378	46	362	497	538	541	544	Other industry
4,416	4,501	456	427	427	49	169	379	389	423	429	Manufacture of jewellery, bijouterie and related articles
5,209	5,573	481	434	400	265	422	483	461	473	469	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
1,230	1,386	111	102	103	52	97	125	114	115	99	Manufacture of stationery
3,980	4,187	370	332	297	213	325	358	347	358	370	Other industry
273	200	16	20	18	19	27	30	26	25	25	Manufacture of sports goods
600	623	61	55	51	5	42	57	55	54	55	Manufacture of games and toys
5,324	5,326	473	437	511	150	215	505	524	518	522	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
1,695	1,800	74	90	118	65	81	180	221	176	183	Repair and maintenance of transport equipment except motorcycles and bicycles
3,629	3,526	398	347	394	85	134	325	303	342	338	Other industry
1,346,620	1,554,738	117,992	111,240	110,091	75,754	89,477	116,789	119,162	118,446	121,220	Total Manufacturing

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh							
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	142	135	134	130	123	117	127
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	1,010	963	943	954	851	989	1,076
	27101 Pembuatan motor elektrik, penjana dan transformer	407	380	378	354	315	363	394
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	603	583	565	600	536	626	682
272/ 27200	Pembuatan bateri dan akumulator	478	400	362	382	281	306	374
273	Pembuatan pendawaian dan peranti pendawaian	835	812	820	826	777	793	862
	27310 Pembuatan kabel gentian optikal	22	19	20	22	19	21	23
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	771	747	753	753	710	716	777
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	42	46	47	51	47	57	62
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	132	90	104	99	86	102	109
275/ 27500	Pembuatan perkakasan domestik	944	914	902	879	849	826	892
279/ 27900	Pembuatan kelengkapan elektrik lain	649	612	588	599	519	552	622
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	3,207	3,161	3,212	3,092	3,108	3,230	3,873
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	211	206	216				
	28130 Pembuatan pam, pemampat, kepala paip dan injap lain				139	228	256	277
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	725	722	701				
	28220 Pembuatan jentera pembentukan logam dan alatan mesin				831	803	773	1,013
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	895	944	836	961	866	897	1,073
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	553 823	466 822	620 839	389 772	405 806	441 862	553 958
291 (29101 & 29102)	Pembuatan kenderaan bermotor	3,922	4,350	4,500	3,146	2,999	3,189	3,187
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	444	486	491	503	432	596	739
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	2,890	2,988	2,992	2,742	2,740	3,206	2,968
301 (30110 & 30120)	Pembinaan kapal dan bot	440	404	392	396	384	418	451
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	786	889	841	870	746	922	886
	30910 Pembuatan motosikal	162	179	200	206	187	213	218
	30920 Pembuatan basikal dan invalid carriages	247	240	238	238	164	242	225
	Industri lain	377	470	403	425	395	466	442
310	Pembuatan perabot	1,656	1,629	1,630	1,631	1,478	1,593	1,206
	31001 Pembuatan perabot kayu dan rotan	1,094	1,058	1,067	1,028	955	1,046	674
	Industri lain	561	571	563	603	523	547	532
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	425	421	423	489	413	431	583
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	433	437	451	448	438	466	476
	32901 Pembuatan alat tulis	103	104	103	116	115	136	130
	Industri lain	330	333	347	333	323	330	346
323/ 32300	Pembuatan barangan sukan	24	24	19	17	18	21	22
324/ 32400	Pembuatan permainan dan mainan	55	54	55	42	41	61	67
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	497	515	457	466	433	531	481
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	177	178	150	158	126	190	166
	Industri lain	320	337	306	308	307	341	315
Jumlah Pembuatan		122,004	119,872	124,571	122,887	118,412	126,935	130,646

2021								Group Description/Period
Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
111	145	99	120	152	198	173	187	Manufacture of optical instruments, photographic equipment, magnetic and optical media
961	1,054	929	1,125	1,160	1,216	1,208	1,320	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
336	388	384	414	404	424	411	484	Manufacture of electric motors, generators and transformers
626	666	545	710	756	793	797	836	Manufacture of electricity distribution and control apparatus
349	489	457	534	474	484	456	392	Manufacture of batteries and accumulators
837	881	845	894	935	1,006	998	987	Manufacture of wiring and wiring devices
19	20	28	27	30	33	28	37	Manufacture of fibre optic cables
758	789	748	803	846	906	898	894	Manufacture of other electronic and electric wires and cables
59	71	69	64	59	67	71	55	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
95	103	78	113	127	159	111	106	Manufacture of electric lighting equipment
824	866	855	930	922	1,006	1,034	1,087	Manufacture of domestic appliances
601	698	587	675	743	715	706	757	Manufacture of other electrical equipment
3,512	3,904	3,066	3,794	3,795	3,818	3,814	3,776	Manufacture of general-purpose and special-purpose machinery
								Manufacture of fluid power equipment
247	237	138	276	275	296	271	273	Manufacture of other pumps, compressors, taps and valves
								Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
959	1,016	930	871	874	960	907	916	Manufacture of metal-forming machinery and machine tools
927	1,100	623	1,178	1,101	1,093	1,116	1,004	Manufacture of air-conditioning machines, including for motor vehicles
455	664	512	506	528	520	514	542	Manufacture of other special-purpose machinery n.e.c.
924	888	862	963	1,017	950	1,005	1,042	Other industry
2,719	1,813	2,401	2,412	3,318	4,287	4,683	4,385	Manufacture of motor vehicles
578	425	361	388	522	683	687	639	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
2,718	2,117	2,214	2,382	2,300	2,931	3,089	2,884	Manufacture of parts and accessories for motor vehicles
310	373	335	411	477	568	524	471	Building of ships and boats
684	591	531	620	637	734	890	873	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
190	135	126	129	128	139	181	189	Manufacture of motorcycles
198	91	99	185	197	219	223	235	Manufacture of bicycles and invalid carriages
296	365	305	306	312	377	486	449	Other industry
1,177	847	614	968	1,294	1,494	1,646	1,633	Manufacture of furniture
655	472	339	496	579	684	823	828	Manufacture of wooden and cane furniture
522	375	275	471	715	810	823	804	Other industry
528	279	116	148	329	364	415	404	Manufacture of jewellery, bijouterie and related articles
454	409	423	461	491	498	494	515	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
129	112	100	118	97	108	110	115	Manufacture of stationery
324	297	323	343	394	391	384	400	Other industry
21	15	11	12	14	14	18	18	Manufacture of sports goods
64	22	42	35	58	64	64	62	Manufacture of games and toys
328	321	332	366	477	506	565	519	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
102	101	106	116	187	173	190	185	Repair and maintenance of transport equipment except motorcycles and bicycles
226	219	226	251	291	334	376	334	Other industry
122,726	124,363	119,934	126,536	135,323	140,655	142,411	143,911	Total Manufacturing

Jadual **1.4b** : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
 Table : Sales Value of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021				2020	2021							
		2020	2021									(Jan. - Dis.)	(Jan. - Dis.)					
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			Jan.	Feb.	Mac	Apr.	Mei
101	Pemprosesan dan pengawetan daging	9.4	8.7	-9.6	12.6	8.8	26.4	30.7	-7.9	5.5	13.1	9.4	8.7	-4.5	-6.2	-16.3	-2.0	10.1
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-2.3	0.8	9.7	-18.2	-0.2	0.3	4.5	22.0	-13.1	-5.7	-2.3	0.8	2.5	29.4	1.4	-28.5	-16.5
	10201 & Pengetinan ikan, krustasea dan moluska																	
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	-1.3	0.6	10.9	-17.3	0.5	1.7	4.7	22.2	-13.1	-6.9	-1.3	0.6	2.7	31.9	2.6	-27.7	-15.0
	Industri lain	-19.0	5.2	-8.3	-33.6	-11.7	-22.5	0.2	17.6	-12.4	20.7	-19.0	5.2	-1.5	-3.9	-19.2	-42.1	-39.9
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	7.9	-1.1	-3.2	-0.1	16.5	18.3	29.8	12.0	-25.3	-12.6	7.9	-1.1	3.3	4.3	-17.5	-37.6	-2.6
	10303 & Pengetinan nanas																	
	10304 Pembuatan jem, marmalad dan sajian jeli	2.6	4.9	7.7	-14.9	2.2	18.5	4.0	10.3	5.7	0.2	2.6	4.9	-9.1	15.9	15.8	-29.6	-10.9
	Industri lain	9.3	-2.6	-7.0	4.1	19.3	18.2	39.9	12.4	-30.6	-15.2	9.3	-2.6	7.2	-0.2	-28.2	-40.3	-0.3
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	14.3	13.9	-5.6	21.6	23.7	15.1	12.3	12.8	11.6	18.2	14.3	13.9	-15.6	9.7	-7.4	6.6	17.3
	10404 & Pembuatan minyak sayuran mentah dan bertapis																	
	10406 Pembuatan sebatian lemak masakan	3.1	24.3	9.2	-5.0	2.7	5.8	13.3	40.4	36.8	9.5	3.1	24.3	7.2	22.7	1.1	-13.9	-2.9
	10405 Pembuatan minyak kelapa	6.6	-6.3	7.3	-15.1	7.6	27.8	10.9	-1.9	-23.8	-9.6	6.6	-6.3	5.1	15.6	1.8	-28.5	-25.4
	Industri lain	15.7	13.0	-7.6	25.0	26.3	16.1	12.2	10.6	9.5	19.4	15.7	13.0	-18.2	8.1	-8.7	9.1	19.9
105	Pembuatan produk tenusu	3.3	7.4	2.0	-7.8	9.8	10.3	3.8	13.1	2.0	11.4	3.3	7.4	7.1	3.4	-3.6	-21.5	-11.2
	10502 Pembuatan susu pekat, tepung dan sejat	4.4	7.2	2.4	-7.4	12.5	11.6	2.4	12.2	2.0	12.6	4.4	7.2	7.0	3.7	-2.9	-22.1	-10.7
	Industri lain	-8.7	10.9	-1.8	-12.3	-16.4	-3.5	21.5	25.6	2.6	-2.5	-8.7	10.9	7.3	-0.3	-12.6	-13.3	-18.4
106	Pembuatan produk bijian, kanji dan produk berkanji	3.5	18.4	6.9	4.2	3.4	-0.4	3.8	21.2	20.2	29.8	3.5	18.4	5.3	11.3	4.4	9.4	-3.2
	10611 Pengilangan beras	18.8	22.2	25.2	38.9	14.5	-1.0	-10.4	20.6	34.5	51.6	18.8	22.2	9.5	31.1	34.2	51.1	27.7
	10613 Pengilangan tepung	-6.1	16.8	-5.7	-16.0	-2.8	0.9	17.2	24.4	10.8	15.6	-6.1	16.8	2.6	-2.7	-16.6	-17.5	-20.9
	Industri lain	-3.2	-0.5	9.0	-1.2	-10.4	-9.3	-3.3	-7.3	-1.8	10.9	-3.2	-0.5	4.7	10.1	12.3	5.4	-8.1
107	Pembuatan produk makanan lain	9.4	12.3	2.2	11.6	13.6	10.2	22.0	10.4	6.3	11.5	9.4	12.3	3.6	9.5	-6.1	4.6	6.7
	10711 Pembuatan biskut dan cookies	1.9	4.4	9.7	-3.8	-2.2	4.7	14.8	7.9	-14.9	10.5	1.9	4.4	8.8	26.1	-2.0	-15.6	-7.0
	10712 Pembuatan roti, kek dan produk bakeri lain	31.6	6.4	4.3	50.0	48.8	24.8	35.8	-1.9	-3.3	2.4	31.6	6.4	10.7	9.5	-6.3	52.3	43.0
	10713 Pembuatan produk snek	-8.9	-1.8	-11.5	-10.3	-4.3	-8.8	-3.6	-4.8	-10.0	11.3	-8.9	-1.8	3.3	-9.1	-25.1	-13.6	-14.3
	10721 Pembuatan gula	-6.5	20.0	6.6	-15.3	-14.2	-2.5	9.0	24.7	24.8	23.4	-6.5	20.0	-2.4	38.4	-11.0	-18.2	-24.8
	10731 Pembuatan produk koko	-7.5	-8.0	0.4	-9.7	-13.0	-7.1	-1.9	-10.0	-11.0	-9.4	-7.5	-8.0	5.0	4.1	-7.4	-3.5	-13.5
	10732 & Pembuatan coklat dan produk coklat																	
	10733 Pembuatan konfeksi gula	23.1	25.4	-3.7	31.0	35.4	32.2	48.8	28.8	17.1	12.7	23.1	25.4	-5.2	0.5	-6.5	-0.9	32.1
	10793 Pembuatan sos dan bahan perasa	-17.5	15.1	-8.9	-27.8	-18.7	-14.3	7.9	26.5	3.0	24.3	-17.5	15.1	3.7	-0.8	-27.7	-28.4	-32.3
	10799 Pembuatan produk makanan lain t.t.t.l.	13.9	19.8	16.0	23.2	5.5	11.7	18.0	8.1	27.8	25.7	13.9	19.8	22.3	22.0	4.6	-1.9	29.7
	Industri lain	1.6	11.5	5.2	-5.3	7.0	0.1	11.0	12.9	6.4	15.7	1.6	11.5	0.5	6.5	8.9	-4.1	-13.1
108/ 10800	Pembuatan makanan haiwan tersedia	-16.3	15.9	6.7	-13.6	-27.2	-29.7	-26.9	17.2	43.5	47.3	-16.3	15.9	3.4	13.7	3.7	-0.3	-22.9
110	Pembuatan minuman ringan	-24.5	12.0	0.2	-56.8	-21.2	-18.8	-1.9	66.6	-6.5	16.5	-24.5	12.0	1.3	4.8	-5.3	-65.7	-60.5
	11041 Pembuatan minuman ringan	-27.1	24.6	-9.4	-49.2	-24.7	-24.5	1.0	53.1	27.8	30.2	-27.1	24.6	-11.6	-2.4	-13.7	-49.5	-54.1
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-15.3	22.2	-15.1	-41.8	-0.8	-2.0	22.1	61.9	6.2	13.5	-15.3	22.2	-3.0	-12.3	-29.6	-68.3	-32.9
	Industri lain	-23.2	-9.9	21.4	-72.7	-21.9	-14.4	-11.0	108.0	-60.9	-1.1	-23.2	-9.9	24.9	22.7	16.5	-90.8	-78.1
120/ 12000	Pembuatan produk tembakau	-21.7	-3.9	-4.9	-81.2	-2.5	2.0	2.9	222.9	-71.5	11.1	-21.7	-3.9	-4.2	-3.3	-6.9	-98.2	-90.2
131	Pemintalan, penenunan dan penyiapan tekstil	-13.9	14.2	3.0	-41.8	-13.3	-3.6	-1.6	80.7	0.2	3.7	-13.9	14.2	3.3	15.3	-7.9	-66.5	-42.3
	13110 & Penyediaan dan pemintalan gentian tekstil																	
	13120 Penenunan tekstil	-18.1	14.8	2.3	-46.9	-21.5	-6.0	-5.5	98.1	0.03	1.2	-18.1	14.8	2.9	14.5	-8.8	-71.7	-45.9
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3.4	12.9	7.5	-18.4	17.7	5.5	14.3	35.2	-0.2	10.3	3.4	12.9	6.5	21.4	-3.0	-43.0	-24.7
	Industri lain	-43.9	9.8	-22.1	-80.6	-38.7	-30.8	-32.4	134.2	22.1	6.4	-43.9	9.8	-19.8	-14.3	-32.4	-99.1	-90.9
139	Pembuatan tekstil lain	-8.7	31.4	-1.8	-30.2	-5.7	3.2	14.2	55.3	31.2	30.9	-8.7	31.4	2.6	1.3	-9.0	-60.4	-20.9
	13910 Pembuatan fabrik dikait dan dikrusye	-10.5	16.8	-5.6	-27.6	-6.8	-1.6	13.9	32.6	9.8	14.5	-10.5	16.8	0.5	-3.2	-13.9	-64.5	-12.2
	Industri lain	-6.4	49.0	2.9	-33.5	-4.3	9.3	14.5	87.5	57.9	50.2	-6.4	49.0	5.2	6.7	-3.2	-55.1	-32.2
141	Pembuatan pakaian, kecuali pakaian berbulu	-9.8	3.1	5.0	-30.1	-8.9	-5.3	-1.3	23.7	-4.0	0.0	-9.8	3.1	4.5	10.3	0.3	-48.0	-31.8
	14102 Pembuatan pakaian	-6.4	2.7	5.8	-24.0	-3.4	-4.0	-0.8	18.5	-3.7	0.8	-6.4	2.7	3.8	11.7	2.2	-42.3	-26.6
	Industri lain	-31.2	6.5	-0.3	-67.1	-42.9	-13.7	-5.0	97.1	-7.1	-5.9	-31.2	6.5	8.6	1.6	-11.1	-81.0	-63.4
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	-14.0	1.4	-20.2	-30.2	-2.5	-3.0	23.8	25.1	-30.9	-2.1	-14.0	1.4	-16.1	-14.2	-29.8	-59.5	-18.1
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-12.8	1.0	-0.5	-36.5	-9.3	-3.6	1.1	9.0	-25.3	19.6	-12.8	1.0	-1.3	0.5	-0.6	-74.7	-28.6
152	Pembuatan kasut	-26.4	-0.3	-2.6	-62.0	-26.7	-12.7	5.8	70.8	-26.5	-15.6	-26.4	-0.3	-0.2	7.4	-14.4	-88.0	-75.6
	15201 & Pembuatan kasut kulit																	
	15203 Pembuatan kasut getah	-29.7	-4.4	-8.2	-62.5	-28.5	-16.4	8.0	45.5	-35.1	-14.2	-29.7	-4.4	-3.9	1.3	-21.6	-84.7	-70.7
	Industri lain	-20.5	6.3	7.3	-61.2	-23.6	-6.3	2.6	120.5	-12.1	-17.9	-20.5	6.3	5.9	17.8	-1.4	-94.6	-85.5
161/ 16100	Pengilangan dan pengetaman kayu	-19.8	5.1	-11.9	-65.8	-4.4	9.4	5.9	75.5	-21.4	2.1	-19.8	5.1	-16.0	-8.5	-10.5	-94.3	-89.1

(%)

2020										2021										Group Description/Period	
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.			
33.4	10.0	-2.9	21.9	19.5	28.5	32.0	41.0	35.9	16.8	-6.8	-8.4	-8.5	-3.2	11.2	8.5	10.1	9.9	19.8	Processing and preserving of meat		
-9.7	-0.3	-2.0	1.8	2.9	-2.5	0.7	3.3	0.0	10.4	43.5	15.4	11.0	-12.6	-12.1	-14.6	-6.2	-1.5	-9.2	Processing and preserving of fish, crustaceans and molluscs Canning of fish, crustaceans and molluscs		
-9.2	0.6	-1.8	2.8	4.1	-0.9	1.9	3.8	0.2	10.4	43.8	15.0	11.7	-12.5	-12.0	-14.9	-7.2	-2.7	-10.5	Processing, curing and preserving of fish, crustacean and molluscs		
-18.2	-13.5	-6.8	-14.3	-17.0	-29.3	-21.1	-4.6	-3.9	10.8	36.9	24.2	-1.6	-15.3	-12.5	-9.2	13.4	27.7	22.2	Other industry		
40.9	19.4	12.7	17.4	19.4	15.6	19.7	20.8	19.4	54.5	97.4	10.9	-26.0	-26.0	-24.5	-25.4	-19.5	-8.2	-9.5	Processing and preserving of fruits and vegetable		
-0.7	-1.0	5.4	2.4	14.9	4.7	35.5	10.0	3.3	-0.1	52.8	-0.4	-17.0	-4.5	9.1	12.8	10.9	17.7	-21.4	Pineapple canning		
51.6	23.7	14.1	20.3	20.2	18.0	16.2	23.8	26.6	82.8	114.8	13.7	-27.5	-29.6	-30.6	-31.7	-24.6	-13.2	-6.5	Manufacture of jams, marmalades and table jellies		
43.8	26.0	22.2	23.1	23.2	8.9	12.8	10.3	11.8	15.0	15.2	11.4	12.0	11.3	10.0	13.3	9.3	24.6	22.5	Other industry		
2.2	2.4	2.2	3.3	8.1	4.1	5.1	5.8	19.0	16.0	51.3	38.0	33.1	29.5	27.6	53.0	7.7	10.1	10.8	Manufacture of crude and refined vegetable oil		
11.7	9.4	6.9	6.5	18.4	27.5	38.3	22.5	4.7	6.4	15.3	32.2	-39.4	-26.7	-20.8	-23.8	-8.5	-7.2	-12.8	Manufacture of compound cooking fats		
49.1	29.1	24.7	25.3	24.9	9.3	13.5	10.8	11.0	15.0	12.2	8.9	10.6	9.8	8.5	10.1	9.6	26.5	24.3	Manufacture of coconut oil		
10.9	11.5	7.9	10.3	14.3	9.1	7.2	5.0	3.3	3.0	30.4	9.8	2.8	-7.3	2.5	11.6	6.2	14.0	14.3	Other industry		
12.1	14.5	10.5	12.7	16.9	10.8	7.1	4.9	1.7	0.7	30.4	8.4	1.8	-7.9	2.4	12.5	6.7	15.7	15.7	Manufacture of dairy products		
-4.9	-18.6	-19.2	-11.5	-10.1	-7.0	9.0	6.8	24.3	36.9	30.8	30.2	16.6	2.0	3.9	1.9	-0.3	-5.1	-1.9	Manufacture of condensed, powdered and evaporated milk		
6.5	4.8	3.0	2.4	4.1	1.0	-6.0	0.4	3.8	7.1	15.2	22.5	26.5	16.9	16.7	26.9	29.3	30.8	29.4	Other industry		
36.5	20.7	19.8	4.9	6.3	7.3	-15.0	0.2	-10.6	-18.2	2.3	27.3	37.8	27.5	28.1	47.5	52.3	44.8	57.9	Manufacture of grain mill products, starches and starch products		
-9.4	-3.6	-6.1	1.7	4.1	-2.4	1.0	0.9	17.7	36.3	32.5	21.5	19.6	10.8	9.1	12.4	13.4	21.9	11.9	Rice milling		
0.01	-11.8	-9.6	-9.8	-13.5	-8.5	-5.5	-4.2	2.9	-8.4	-5.3	-13.9	-2.7	-10.1	0.5	3.8	4.5	13.3	14.9	Flour milling		
23.6	15.5	15.9	9.3	9.2	8.9	12.6	17.6	18.6	30.4	21.4	8.2	3.0	4.7	2.3	12.2	14.0	10.6	9.9	Other industry		
12.7	-0.4	-1.9	-4.2	-5.6	8.0	11.9	22.3	7.2	15.4	56.7	-6.3	-20.2	-16.6	-16.3	-11.8	7.0	14.1	10.2	Manufacture of other food products		
54.2	56.0	58.4	32.1	28.5	25.5	20.6	21.9	56.2	28.8	-11.8	5.6	1.4	-6.7	-5.3	3.2	3.1	1.6	2.3	Manufacture of biscuits and cookies		
-2.7	-4.6	-3.7	-4.6	-5.6	-9.9	-10.9	-5.1	-10.1	5.0	8.0	-6.6	-14.8	-20.0	-13.7	3.7	9.9	11.7	12.3	Manufacture of bread, cakes and other bakery products		
-2.9	-15.1	-15.3	-12.0	-4.9	-5.9	3.7	8.1	-2.2	24.0	45.7	19.5	12.1	22.3	13.2	38.7	26.4	23.7	20.1	Manufacture of snack products		
-11.8	-13.1	-11.4	-14.7	-3.7	-14.1	-3.1	-0.4	1.1	-6.7	-9.4	-10.2	-10.4	-13.2	-12.1	-7.4	-13.7	-3.9	-10.0	Manufacture of sugar		
64.1	41.9	34.1	30.9	22.5	37.2	37.4	43.1	31.9	73.8	74.8	20.2	6.3	22.5	11.1	18.0	24.0	6.9	7.9	Manufacture of cocoa products		
-22.6	-17.7	-19.5	-18.8	-21.4	-11.0	-9.8	1.2	2.5	23.3	37.4	28.4	15.2	-4.1	-0.01	13.5	23.1	28.3	21.6	Manufacture of chocolate and chocolate products		
39.5	4.3	1.9	10.5	9.7	11.6	13.8	16.2	8.0	31.0	44.2	-1.7	-6.0	24.1	28.0	31.3	35.5	20.3	22.0	Manufacture of sugar confectionery		
2.0	5.8	12.6	3.0	6.5	-7.9	2.5	9.2	2.9	21.4	11.8	9.1	17.6	6.0	2.1	11.0	13.2	17.4	16.7	Manufacture of sauces and condiments		
-17.9	-26.5	-29.3	-25.7	-29.9	-28.7	-30.6	-33.7	-32.4	-14.6	-1.5	28.3	30.1	44.7	42.9	42.9	44.2	47.7	49.9	Manufacture of other food products n.e.c.		
-44.1	-28.7	-20.2	-15.0	-19.4	-22.3	-14.6	-9.4	-4.1	8.9	177.0	88.0	-16.2	-19.1	-7.4	4.8	24.3	17.2	8.5	Manufacture of prepared animal feeds		
-43.9	-27.9	-25.2	-21.2	-25.1	-28.2	-20.3	-3.6	-2.6	10.1	85.1	49.6	26.7	24.9	45.9	12.4	41.1	32.1	18.4	Manufacture of beverages		
-24.3	-11.0	-1.2	10.8	1.8	-5.2	-2.5	-4.0	21.4	58.0	254.7	28.8	10.7	7.2	10.3	1.4	12.5	16.8	11.3	Manufacture of soft drinks		
-50.1	-35.0	-18.1	-12.6	-16.5	-17.8	-8.4	-17.8	-12.1	-2.3	897.4	263.4	-98.9	-98.9	-89.4	-4.6	5.6	-2.6	-6.4	Production of natural mineral waters and other bottled waters		
-54.7	-4.9	-5.9	3.1	2.6	3.0	0.7	1.7	1.2	5.4	4,736.7	641.2	-50.5	-75.2	-81.2	-59.9	17.4	7.6	8.3	Other industry		
-12.5	-15.3	-13.5	-11.0	-6.7	-1.7	-2.4	-6.1	-5.5	7.4	191.9	70.8	38.7	7.7	-3.4	-3.2	-5.5	7.7	8.7	Manufacture of tobacco products		
-19.1	-22.7	-21.8	-19.9	-14.3	1.3	-4.5	-10.4	-8.9	3.4	239.8	89.0	47.1	7.1	1.5	-8.4	-9.8	6.2	6.2	Spinning, weaving and finishing of textiles		
16.8	13.9	15.3	24.0	18.0	-8.1	6.6	10.8	9.6	22.8	89.9	18.4	17.5	10.2	-17.1	7.1	3.7	12.1	16.7	Preparation and spinning of textile fibres		
-49.8	-46.0	-21.1	-45.6	-25.9	-34.8	-31.8	-22.7	-46.9	-25.4	5,136.9	375.1	-4.0	-18.1	45.3	32.5	8.2	11.3	-0.4	Weaving of textiles		
-10.6	-9.0	-6.4	-1.5	2.6	-0.1	6.9	10.9	4.6	28.4	181.1	31.3	23.3	34.0	28.5	31.4	28.5	35.2	29.3	Dyeing, bleaching, printing and finishing of yarns and fabrics		
-7.9	-7.9	-10.4	-1.5	0.2	-5.3	0.2	7.2	4.6	31.8	169.0	5.6	8.1	10.5	3.7	15.4	13.1	16.8	13.7	Other industry		
-14.0	-10.4	-1.0	-1.6	5.8	6.4	15.9	15.3	4.5	24.6	193.5	74.5	44.6	65.5	58.6	50.5	47.7	55.6	47.5	Manufacture of other textiles		
-12.0	-13.0	-13.0	0.1	-2.5	-14.3	1.6	-2.2	-1.3	-0.4	85.2	22.9	-9.2	-5.2	0.3	-6.7	-1.6	4.0	-2.1	Manufacture of knitted and crocheted fabrics		
-4.9	-6.6	-7.2	4.4	0.1	-13.5	2.0	-0.9	-1.2	-0.1	73.1	16.6	-10.3	-5.4	0.2	-5.7	-1.2	4.5	-0.6	Manufacture of wearing apparel, except fur apparel		
-57.0	-57.5	-49.1	-23.8	-18.2	-19.4	-1.6	-10.3	-1.5	-2.2	299.8	99.8	6.3	-2.7	1.0	-14.5	-4.8	0.7	-13.3	Manufacture of clothings		
-15.3	11.6	-12.3	-6.9	-6.7	-10.8	10.0	24.0	13.9	35.4	173.9	30.4	-43.2	-40.6	-28.1	-22.0	-5.1	0.4	-1.7	Other industry		
-6.7	-6.9	-10.9	-10.2	-5.3	-5.3	-0.1	0.8	1.6	0.9	232.6	12.5	-53.3	-53.8	-20.6	2.0	19.3	19.7	19.8	Manufacture of articles of fur, knitted and crocheted apparel		
-25.2	-30.6	-27.8	-21.9	-20.9	-17.9	1.2	2.0	-0.6	18.1	562.0	164.1	-30.3	-29.5	-20.5	-29.2	-10.8	-12.1	-22.5	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur		
-35.0	-31.9	-25.4	-27.9	-25.6	-15.5	-7.1	0.9	-1.9	28.8	363.0	80.8	-36.0	-41.1	-30.6	-33.5	-13.4	-12.7	-16.2	Manufacture of footwear		
-4.1	-28.2	-31.6	-9.6	-11.3	-21.8	15.3	3.7	1.4	2.8	1,661.5	498.3	-22.1	-9.6	-3.0	-22.1	-6.4	-11.0	-31.1	Manufacture of leather footwear		
-11.3	-5.8	-7.1	-0.4	9.2	9.2	9.6	2.2	-0.5	16.4	1,274.9	443.3	-53.5	-44.9	-4.5	-15.2	-1.1	4.5	2.9	Manufacture of rubber footwear		
																			Other industry		
																			Sawmilling and planning of wood		

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020		2020				2021				2020		2021							
		2020	2021									(Jan. - Dis.)		(Jan. - Dis.)							
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei							
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	-25.4	2.8	2.6	-69.3	-18.7	-17.7	-10.7	83.2	-21.7	13.7	-25.4	2.8	3.0	8.8	-3.6	-94.0	-91.0			
16211	Pembuatan kepingan venier dan papan lapis	-35.4	-1.6	0.1	-78.4	-32.4	-32.4	-24.8	107.6	-21.7	17.9	-35.4	-1.6	3.0	2.7	-5.1	-99.8	-99.8			
16212	Pembuatan papan partikel dan papan gentian	-11.9	15.0	12.5	-66.7	3.6	2.0	7.0	126.9	-14.7	18.2	-11.9	15.0	1.8	32.4	6.0	-99.4	-99.2			
16221	Pertukangan kayu untuk jurubina	-18.2	7.3	7.1	-69.3	-15.1	3.0	13.7	100.6	-27.3	4.0	-18.2	7.3	5.0	24.0	-5.2	-93.3	-86.2			
	Industri lain	-3.2	-11.1	-8.3	-14.3	7.9	2.5	6.0	-12.1	-35.5	-5.0	-3.2	-11.1	3.9	-13.3	-14.0	-40.7	-12.6			
170	Pembuatan kertas dan produk kertas	-2.1	15.8	0.5	-13.3	1.7	2.8	10.7	29.4	10.0	14.9	-2.1	15.8	1.9	4.5	-4.2	-29.4	-16.3			
17010	Pembuatan pulpa, kertas dan kertas tebal	-3.5	36.1	5.2	-41.1	9.3	12.3	17.5	118.0	24.3	21.9	-3.5	36.1	2.8	12.5	0.7	-71.8	-52.1			
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	9.7	11.8	2.9	-0.2	16.6	18.8	21.0	22.2	0.9	6.7	9.7	11.8	8.3	2.3	-1.6	-20.3	-1.1			
17091	Pembuatan sampul surat dan kad surat	-32.3	-16.1	-17.7	-34.4	-42.3	-33.9	-26.0	-25.4	-4.5	-2.7	-32.3	-16.1	-4.8	-17.6	-27.6	-50.0	-30.6			
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-10.6	11.3	-2.6	-11.1	-11.4	-17.1	-2.7	12.9	11.8	25.4	-10.6	11.3	-8.0	1.9	-2.0	-17.3	-15.7			
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergelung dan label dan kertas dinding	-19.2	16.9	-8.9	-20.0	-24.2	-23.4	-3.9	18.1	29.3	28.1	-19.2	16.9	-8.3	3.0	-19.0	-19.1	-22.2			
	Industri lain	9.2	9.7	11.4	2.2	8.6	14.5	15.0	16.8	1.8	6.3	9.2	9.7	17.5	16.1	1.5	-20.6	8.8			
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	-8.3	4.9	0.9	-39.1	1.6	2.7	3.8	42.7	-15.0	3.5	-8.3	4.9	4.3	5.2	-6.8	-62.7	-40.1			
18110	Percetakan	-7.4	4.0	2.0	-38.5	3.1	3.2	-2.4	37.1	-10.9	5.6	-7.4	4.0	5.4	4.9	-4.1	-62.4	-41.1			
18120	Aktiviti perkhidmatan berkaitan percetakan	-11.9	8.6	-3.9	-41.9	-4.3	0.7	30.8	68.2	-32.5	-5.2	-11.9	8.6	-0.2	6.5	-17.9	-64.2	-35.9			
&																					
18200	Penerbitan semula media rakaman																				
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	-14.0	36.6	7.8	-21.5	-20.9	-20.9	-17.6	59.8	66.8	58.9	-14.0	36.6	10.0	12.2	1.5	-13.9	-25.3			
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	-14.2	10.3	0.1	-24.4	-20.4	-11.7	1.8	10.2	18.3	12.4	-14.2	10.3	0.7	3.5	-3.4	-24.7	-28.5			
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	-50.1	7.4	5.4	-64.6	-78.1	-59.9	-32.9	87.7	112.0	-22.5	-50.1	7.4	2.8	5.4	8.0	-77.2	-64.5			
20112	Pembuatan kimia organik asas	-14.7	10.2	0.4	-23.2	-22.2	-12.9	5.8	5.6	22.8	7.6	-14.7	10.2	5.6	4.0	-7.8	-19.1	-28.8			
&																					
20113	Pembuatan sebatian bukan organik	-22.8	12.2	-4.8	-28.7	-30.2	-28.1	-13.3	19.2	0.1	53.7	-22.8	12.2	-0.2	1.2	-14.4	-33.8	-34.2			
20121	Pembuatan baja	-6.0	7.5	-0.4	-20.1	-4.0	1.9	3.7	7.1	6.1	13.1	-6.0	7.5	-7.1	4.0	2.6	-24.3	-21.6			
20129	Pembuatan produk campuran nitrogen	-3.0	33.6	2.9	-9.2	-11.4	7.2	15.0	28.7	58.1	34.4	-3.0	33.6	1.7	-4.1	10.7	5.0	-15.9			
20131	Pembuatan plastik dalam bentuk primer																				
	Industri lain																				
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	-5.5	20.5	4.1	-25.7	-3.6	4.0	10.5	39.5	10.0	26.6	-5.5	20.5	3.3	16.3	-5.6	-43.7	-27.5			
20210	Pembuatan racun perosak dan produk agrokimia lain	-6.6	42.3	-15.6	-22.8	-3.6	14.6	55.0	62.3	22.8	37.5	-6.6	42.3	7.7	-21.4	-31.8	-33.2	-23.9			
20221	Pembuatan cat, varnis dan penyadur dan mastik	-16.4	44.1	16.6	-50.0	-19.1	-11.0	-5.4	119.4	31.1	74.8	-16.4	44.1	10.7	41.3	3.0	-73.0	-53.7			
20222	Pembuatan dakwat cetak	-34.6	-1.0	-1.2	-46.2	-47.3	-42.9	-33.2	26.3	17.6	10.5	-34.6	-1.0	-3.4	10.4	-8.7	-54.9	-45.2			
20231	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	11.8	13.3	8.2	-7.7	19.6	27.0	26.1	17.1	2.4	11.3	11.8	13.3	-0.2	28.7	-0.3	-30.8	-9.4			
&																					
20232	Pembuatan pewangi dan penyediaan dandanan diri																				
20291	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	-8.9	6.5	-4.8	-20.2	-9.3	-0.8	5.8	17.1	-2.8	7.2	-8.9	6.5	0.1	-3.7	-10.4	-28.6	-21.4			
20292	Pembuatan dakwat menulis dan melukis																				
&																					
20299	Pembuatan produk kimia lain t.t.t.l.	-17.4	24.8	-5.1	-44.4	-8.3	-11.1	5.3	82.6	27.8	5.7	-17.4	24.8	7.5	-0.1	-22.2	-58.6	-48.7			
	Industri lain																				
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	16.2	17.1	8.8	21.2	22.1	12.6	19.8	12.7	13.9	22.7	16.2	17.1	4.5	11.5	10.5	18.0	13.9			
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	14.3	21.6	10.6	21.3	15.0	10.7	19.9	19.8	23.2	23.3	14.3	21.6	5.0	16.2	10.9	24.1	15.3			
	Industri lain	24.6	-1.0	1.2	20.9	54.4	21.3	19.2	-16.5	-17.4	20.0	24.6	-1.0	2.3	-7.9	8.9	-5.4	8.3			
221	Pembuatan produk getah	55.2	36.3	22.1	52.1	61.1	83.4	92.3	75.0	17.3	-13.3	55.2	36.3	7.4	9.0	49.5	52.5	49.2			
22111	Pembuatan tayar getah untuk kenderaan	3.0	32.9	-22.1	-7.2	18.7	25.1	33.8	-6.4	67.1	29.9	3.0	32.9	-12.4	-0.5	-50.9	-47.4	-3.3			
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	40.9	-8.2	-10.7	63.9	70.4	38.7	53.2	-26.7	-35.5	9.8	40.9	-8.2	-6.2	3.3	-27.9	-36.0	71.9			
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	2.0	-9.6	-1.8	1.6	1.9	5.6	22.5	-2.4	-28.6	-22.8	2.0	-9.6	8.2	5.0	-18.2	-17.3	-4.3			
&																					
22193	Pengilangan semula getah dan prosesan susu getah																				
22192	Pembuatan sarung tangan getah	89.4	47.9	41.6	90.5	95.1	127.3	119.6	103.3	24.7	-17.7	89.4	47.9	10.1	11.6	103.8	110.9	88.8			
22199	Pembuatan produk getah lain yang t.t.t.l.	27.2	23.8	7.4	9.1	40.2	51.5	59.5	46.3	1.6	4.3	27.2	23.8	12.4	11.6	-1.1	-3.9	1.6			
222	Pembuatan produk plastik	2.3	21.0	1.7	-3.2	5.7	5.1	18.7	31.5	18.0	16.6	2.3	21.0	2.2	8.2	-4.9	-12.3	-6.4			
22201	Pembuatan produk plastik separa siap	12.5	20.9	4.2	14.5	16.6	14.4	26.7	27.6	18.5	11.8	12.5	20.9	0.5	10.2	2.6	4.8	14.3			
&																					
22202	Pembuatan produk plastik siap																				
22203	Pembuatan artikel plastik untuk pembungkusan	1.1	28.3	2.0	-7.7	-0.8	11.6	24.9	33.3	26.9	28.2	1.1	28.3	6.5	4.3	-5.1	-16.1	-12.9			
22204	Pembuatan barangan plastik jurubina	1.2	60.0	5.8	-15.0	7.4	7.3	24.4	83.2	68.8	65.8	1.2	60.0	1.0	11.8	5.7	-17.1	-23.8			
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	18.5	52.6	3.3	2.5	40.3	28.5	39.3	70.1	37.0	65.6	18.5	52.6	-1.0	18.6	-6.2	-20.1	-16.3			
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-6.4	6.9	-1.0	-13.0	-2.6	-8.8	4.4	23.8	2.8	-1.4	-6.4	6.9	1.0	7.5	-10.5	-20.5	-14.3			
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	-27.6	-12.1	20.4	-63.6	-36.6	-28.5	-23.7	86.1	-32.0	-23.0	-27.6	-12.1	13.8	17.9	29.5	-71.3	-61.8			

2020										2021										Group Description/Period									
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.											
-19.9	-21.5	-22.0	-12.5	-19.3	-18.5	-15.4	-14.7	-14.0	-3.1	1,164.8	431.5	-44.5	-49.5	-10.8	-6.1	8.8	16.0	16.1	Manufacture of products of wood, cork, straw and plaiting materials										
-31.7	-34.9	-36.5	-25.6	-35.1	-32.5	-29.7	-30.9	-24.8	-18.1	31,138.4	17,447.2	-44.6	-53.0	-9.7	-3.7	16.1	19.9	17.6	Manufacture of veneer sheets and plywood										
1.8	1.4	0.4	8.9	2.7	-0.7	4.0	12.7	-5.2	14.8	15,822.1	8,146.4	-40.2	-40.3	-7.6	2.1	9.9	22.5	22.3	Manufacture of particle board and fibreboard										
-28.9	-20.9	-15.6	-8.7	2.3	2.2	4.6	3.9	10.4	29.2	1,245.5	337.2	-51.8	-52.8	-8.2	-21.6	1.2	4.3	6.4	Manufacture of builders' carpentry										
11.7	7.0	8.8	8.1	-2.5	3.2	7.2	4.2	-0.7	15.6	69.2	-21.9	-49.4	-56.3	-25.9	-24.6	-14.1	-4.1	3.2	Other industry										
7.1	1.8	1.2	2.1	2.2	1.9	4.4	8.4	4.9	18.6	62.2	28.2	7.2	4.9	11.9	13.2	13.6	15.9	15.2	Manufacture of paper and paper products										
4.5	7.0	6.6	14.9	14.4	7.1	15.7	16.8	7.8	28.3	352.1	160.4	28.1	16.9	27.9	28.1	29.3	21.6	14.7	Manufacture of pulp, paper and paperboard										
22.8	15.0	18.4	16.4	19.2	19.2	17.9	12.7	14.7	35.8	66.5	19.7	-7.2	-3.8	2.9	3.5	3.9	7.3	9.4	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard										
-20.2	-51.0	-40.9	-32.5	-37.4	-34.9	-28.9	-30.1	-22.8	-24.6	-9.7	-27.6	-35.1	-7.2	-2.7	-3.5	-3.6	1.4	-5.6	Manufacture of envelopes and letter-card										
0.2	-6.5	-11.8	-15.3	-22.2	-19.2	-9.5	4.6	-5.5	-5.8	22.5	12.7	4.8	4.9	11.4	19.1	20.4	33.1	22.8	Manufacture of household and personal hygiene paper										
-18.8	-26.1	-25.7	-20.5	-24.1	-22.6	-23.5	-8.3	-13.0	9.4	5.1	2.8	44.8	25.9	34.9	27.1	27.8	27.2	29.4	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper										
21.2	18.6	3.6	5.0	17.6	14.8	11.1	11.7	16.2	17.5	44.5	9.6	3.1	1.2	0.05	4.0	2.4	2.0	15.5	Other industry										
-12.8	1.0	0.8	3.1	1.4	2.0	4.7	1.7	2.5	7.6	169.9	49.2	-20.1	-21.7	-13.3	-10.2	-9.7	9.8	10.4	Printing, service activities related to printing and reproduction of recorded media										
-9.8	3.3	1.5	4.6	2.5	3.4	3.7	-4.5	-2.8	0.5	156.1	43.6	-21.0	-19.5	-8.2	-5.4	-6.3	9.9	13.2	Printing										
-25.4	-8.4	-1.9	-2.9	-2.6	-3.7	8.8	28.0	24.1	42.8	233.3	71.3	-15.8	-31.6	-35.2	-30.6	-24.1	9.2	-0.9	Service activities related to printing										
																			Reproduction of recorded media										
-25.0	-25.5	-18.5	-21.6	-25.5	-20.2	-17.4	-21.2	-16.8	-14.1	46.8	70.9	63.3	75.7	60.8	64.2	64.8	69.1	44.5	Manufacture of refined petroleum products										
-20.0	-20.9	-21.5	-18.8	-19.7	-14.5	-0.7	-0.3	4.2	1.6	6.9	8.1	15.0	20.2	23.7	11.1	15.4	12.5	9.9	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms										
-51.1	-77.9	-79.6	-76.6	-81.8	-75.8	-19.6	-23.7	-17.0	-54.4	167.2	72.9	59.6	215.5	116.8	5.5	36.4	20.1	-50.1	Manufacture of liquefied or compressed inorganic industrial or medical gases										
-21.1	-22.6	-22.3	-21.7	-21.3	-16.1	-1.4	0.01	6.24	11.61	-3.60	6.48	13.22	24.3	30.3	13.7	10.4	7.7	5.3	Manufacture of basic organic chemicals										
																			Manufacture of inorganic compounds										
																			Manufacture of fertilizers										
-17.6	-30.6	-28.8	-31.1	-37.8	-29.2	-16.3	-19.8	-14.7	-5.0	32.9	26.6	1.4	-3.3	0.7	3.1	62.7	53.1	46.7	Manufacture of associated nitrogen products										
-14.3	-4.9	-7.0	0.1	-1.7	0.7	6.9	5.6	7.5	-1.0	6.4	-0.7	15.0	6.8	8.2	3.4	13.2	10.5	15.4	Manufacture of plastics in primary forms										
-14.4	-15.3	-12.3	-6.0	1.5	11.3	9.0	24.2	20.6	3.3	30.3	30.5	25.4	43.8	70.8	59.6	23.4	32.8	46.5	Other industry										
-5.4	-6.7	-1.4	-2.7	-1.1	4.2	9.2	5.1	3.3	24.2	93.8	32.4	12.2	-4.1	7.4	26.6	25.3	22.6	31.8	Manufacture of other chemical products and man-made fibres										
-10.8	-8.8	20.7	-20.6	-10.1	26.5	27.5	24.5	62.1	92.3	100.3	46.6	47.0	26.5	3.1	45.8	61.5	18.0	40.3	Manufacture of pesticides and other agrochemical products										
-19.5	-18.8	-22.1	-16.4	-14.2	-10.1	-8.5	-14.8	-16.9	17.3	337.6	129.8	29.3	-14.4	34.1	72.9	78.1	67.1	79.4	Manufacture of paints, varnishes and similar coatings ink and										
-37.9	-47.4	-48.7	-45.6	-48.6	-40.4	-39.2	-40.1	-33.2	-24.9	58.1	11.1	16.5	21.4	22.6	8.9	9.5	8.5	13.5	Manufacture of printing ink										
16.0	12.4	22.2	24.9	21.7	26.1	34.1	28.2	15.1	35.6	66.1	2.7	1.8	-10.2	-0.2	17.8	5.8	10.6	17.8	Manufacture of soap and detergents, cleaning and polishing preparations										
																			Manufacture of perfumes and toilet preparations										
																			Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials										
-10.4	-12.0	-7.7	-8.2	-3.2	-2.9	4.4	3.9	4.1	9.5	33.6	18.0	3.0	-1.1	-3.0	-4.3	4.9	6.3	10.6	Manufacture of writing and drawing ink										
																			Manufacture of other chemical products n.e.c.										
-26.4	-3.7	-4.9	-16.4	-4.5	-17.4	-11.3	-10.4	-1.2	34.3	138.8	98.1	41.2	35.7	10.3	38.7	-1.0	5.3	13.3	Other industry										
31.5	20.7	22.6	22.9	12.7	10.0	15.3	16.7	20.5	21.9	16.2	7.8	13.9	10.4	12.3	19.0	21.7	22.1	24.4	Manufacture of pharmaceuticals, medicinal chemical and botanical products										
24.6	12.6	16.4	15.9	9.4	8.2	15.0	18.8	18.2	22.5	17.8	14.0	26.9	22.8	18.5	28.6	23.9	22.5	23.5	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments										
61.4	57.8	51.4	54.0	28.2	18.7	16.7	6.8	32.8	19.2	8.2	-19.3	-29.4	-29.3	-9.9	-12.7	12.5	20.5	28.1	Other industry										
54.7	57.4	55.4	70.7	86.2	84.3	79.7	95.6	87.4	93.4	86.3	73.0	66.0	49.2	5.6	-1.4	-11.3	-11.9	-16.7	Manufacture of rubber products										
28.4	11.8	17.8	27.3	24.2	28.7	22.6	8.3	12.0	118.0	104.3	-14.3	-44.7	191.8	10.5	1.5	63.2	12.3	13.0	Manufacture of rubber tyres for vehicles										
155.8	119.0	29.3	57.6	22.0	50.1	46.5	60.2	23.4	85.7	124.8	-27.2	-64.5	-62.3	-10.7	-13.0	17.4	17.7	-5.5	Manufacture of interchangeable tyre treads and retreading rubber tyres										
26.9	17.2	-6.8	-4.2	3.0	4.8	9.3	5.3	13.9	55.7	22.0	-2.5	-18.5	-34.5	-27.3	-22.9	-21.5	-21.9	-25.0	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened										
																			Rubber remilling and latex processing										
72.5	84.8	89.3	111.3	138.9	127.5	116.2	145.7	130.1	99.4	95.6	101.4	114.3	64.1	12.2	2.1	-18.6	-14.4	-19.9	Manufacture of rubber gloves										
29.0	32.5	41.0	47.6	38.6	57.6	59.9	55.0	50.6	73.6	78.8	46.2	22.9	2.7	2.2	0.1	10.1	2.3	0.6	Manufacture of other rubber products n.e.c.										
9.2	5.3	5.1	6.7	3.8	4.3	7.2	11.2	12.6	33.3	50.0	31.0	16.9	14.6	20.6	19.0	16.5	16.8	16.3	Manufacture of plastics products										
																			Manufacture of semi-manufactures of plastic products										
24.4	15.5	16.0	18.4	14.9	11.2	17.1	22.9	20.9	36.7	41.0	22.3	21.2	22.9	16.8	15.9	12.1	13.8	9.7	Manufacture of finished plastic products										
5.1	-3.5	-2.7	4.1	9.7	11.9	13.2	14.2	22.5	40.2	58.4	37.3	11.6	26.6	32.7	21.3	25.4	30.5	28.6	Manufacture of plastic articles for the packing of goods										
-4.1	0.8	-2.2	26.9	9.9	11.9	1.0	9.8	8.6	57.2	87.8	92.6	71.8	57.8	69.9	77.9	65.2	67.9	64.3	Manufacture of builders' plastics ware										
44.7	67.5	38.0	14.7	30.6	40.4	16.2	44.1	14.1	62.6	119.6	95.7	27.0	-13.2	53.6	92.5	68.2	47.6	81.8	Manufacture of plastic tableware, kitchenware and toilet articles										
-3.5	-4.2	-1.0	-2.5	-11.7	-10.1	-4.5	-4.8	-0.3	19.4	39.7	22.2	11.2	1.2	4.2	2.8	-0.5	-0.8	-2.7	Manufacture of diverse plastic products n.e.c.										
-57.8	-37.3	-35.2	-37.2	-33.9	-29.3	-22.7	-18.7	-20.4	-30.9	172.6	94.1	22.4	-33.1	-40.6	-22.3	-27.1	-17.1	-24.9	Manufacture of glass and glass products										

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020		2020				2021				2020		2021							
		2020	2021									(Jan. - Dis.)		(Jan. - Dis.)							
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			Jan.	Feb.	Mac	Apr.	Mei			
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-16.7	9.6	-1.7	-50.1	-9.7	-5.0	7.6	64.1	-14.9	6.1	-16.7	9.6	3.8	4.2	-12.4	-78.2	-51.3			
23911 & 23921	Pembuatan mortar refraktori dan konkrit	-23.5	7.0	-6.7	-53.8	-21.7	-12.4	21.4	69.9	-40.0	1.3	-23.5	7.0	-0.02	4.0	-22.7	-66.7	-51.5			
23930	Pembuatan produk porselin dan seramik lain	-23.9	35.1	-19.2	-42.2	-22.4	-10.9	27.1	66.8	25.3	29.4	-23.9	35.1	-11.0	0.8	-45.4	-54.3	-43.6			
23941	Pembuatan simen hidrolik	-12.4	5.7	-2.4	-49.8	0.2	0.9	15.7	80.0	-32.2	-1.1	-12.4	5.7	-4.0	0.3	-3.2	-86.7	-53.1			
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	-34.1	12.2	-10.4	-67.4	-31.9	-25.3	-17.1	83.9	1.5	25.4	-34.1	12.2	-8.3	-8.1	-14.5	-91.4	-69.4			
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.	-6.1	6.0	9.3	-39.7	0.2	6.2	8.1	46.8	-13.6	-0.3	-6.1	6.0	22.3	17.9	-11.1	-71.1	-39.3			
23990	Pembuatan produk mineral bukan logam lain t.t.t.l. Industri lain	-20.2	27.1	-5.8	-49.2	-14.9	-9.4	27.7	78.1	12.5	11.4	-20.2	27.1	-6.3	0.2	-11.1	-69.1	-51.5			
		-16.3	11.6	-14.0	-42.1	1.5	-9.3	18.3	35.9	-20.9	23.6	-16.3	11.6	-3.6	-5.0	-33.2	-62.7	-51.0			
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	-12.2	9.0	5.5	-48.3	-8.5	-1.8	-4.2	56.4	-7.2	14.5	-12.2	9.0	8.6	1.5	6.6	-73.5	-64.4			
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	-11.8	7.0	2.7	-45.3	-10.3	3.1	6.8	47.0	-13.6	5.2	-11.8	7.0	-0.03	16.1	-6.7	-68.3	-56.4			
243	Pengacuan logam	-11.5	2.0	-4.1	-41.1	4.4	-3.1	-20.5	44.5	-18.8	23.8	-11.5	2.0	-8.9	3.3	-6.7	-68.6	-29.2			
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	-18.0	10.5	3.9	-44.3	-22.0	-6.1	-0.6	41.6	-0.8	11.9	-18.0	10.5	6.9	8.1	-3.1	-66.3	-33.1			
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	-19.6	9.5	3.5	-48.0	-22.8	-7.1	-0.7	40.7	0.5	8.6	-19.6	9.5	4.3	9.8	-2.9	-68.2	-37.5			
25120	Pembuatan produk struktur logam lain	-12.0	18.3	7.3	-32.2	-19.5	-1.3	3.4	49.5	1.4	26.2	-12.0	18.3	17.6	7.5	-2.7	-59.1	-18.3			
	Pembuatan tangki, takungan dan kontena daripada logam	-23.5	-20.9	-6.9	-44.0	-24.3	-18.3	-23.6	4.7	-35.3	-22.0	-23.5	-20.9	-0.6	-10.9	-9.0	-70.2	-32.7			
	Industri lain																				
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	-13.7	4.2	-1.3	-34.2	-11.7	-6.8	0.1	29.3	-15.4	8.3	-13.7	4.2	2.9	3.5	-9.8	-51.6	-30.5			
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-27.1	17.2	7.7	-49.3	-36.3	-27.9	-14.6	57.6	20.4	29.7	-27.1	17.2	13.6	14.1	-4.4	-55.5	-51.0			
25920	Rawatan dan penyalutan logam; menggunakan mesin	-12.6	35.6	-0.4	-29.6	-11.6	-9.3	32.4	58.5	6.8	50.0	-12.6	35.6	4.0	8.9	-13.7	-55.7	-12.4			
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-16.5	-10.9	-7.7	-24.8	-16.0	-17.6	-16.7	-8.5	-14.7	-2.9	-16.5	-10.9	-3.4	-1.5	-17.2	-23.9	-31.7			
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	-12.7	0.6	-1.6	-42.1	-7.5	1.9	7.9	38.6	-31.4	0.3	-12.7	0.6	3.0	2.4	-9.6	-68.9	-35.2			
25994	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	-28.7	51.7	3.2	-52.7	-33.9	-29.1	13.2	156.2	43.5	42.3	-28.7	51.7	6.6	16.9	-13.4	-57.9	-52.3			
25999	Pembuatan barangan rumah daripada logam	-2.1	5.5	1.7	-19.4	1.9	7.8	1.5	32.9	-14.4	6.6	-2.1	5.5	3.3	3.6	-1.6	-44.6	-9.2			
	Pembuatan produk lain yang direka daripada logam t.t.t.l.	-9.1	26.7	-12.8	-25.0	14.8	-6.2	17.5	37.1	18.8	34.0	-9.1	26.7	-8.4	-9.6	-20.7	-45.7	-18.5			
	Industri lain																				
261	Pembuatan komponen dan papan elektronik	2.2	19.3	4.7	-13.2	11.0	5.7	13.8	25.6	15.9	23.1	2.2	19.3	9.2	9.4	-4.0	-37.6	-13.8			
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	2.9	16.6	4.8	-12.5	13.6	5.9	10.5	22.4	12.3	21.9	2.9	16.6	11.7	7.0	-4.0	-34.7	-12.8			
26103 & 26104 & 26105	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	-0.8	23.3	4.6	-16.2	5.1	2.5	16.9	30.2	22.2	25.3	-0.8	23.3	5.1	13.6	-3.9	-42.9	-17.8			
26109	Pembuatan kapasitor dan perintang elektrik	32.3	22.1	4.2	18.9	48.7	53.8	45.2	31.0	4.8	18.5	32.3	22.1	16.3	2.1	-5.2	-25.2	22.0			
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	-4.6	4.5	-3.4	-20.1	-0.8	5.1	7.9	48.5	-27.3	2.7	-4.6	4.5	-1.8	3.5	-11.4	-32.3	-29.3			
263/ 26300	Pembuatan peralatan komunikasi	-2.0	-15.5	-0.7	-7.1	-4.7	5.2	1.1	-13.1	-34.6	-12.0	-2.0	-15.5	-9.3	10.9	-0.5	-33.9	0.6			
264/ 26400	Pembuatan peralatan elektronik pengguna	-10.4	8.3	-5.3	-37.1	1.6	-4.8	10.0	53.1	-20.8	14.2	-10.4	8.3	-7.0	1.4	-9.5	-63.1	-56.4			
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	9.8	8.0	0.04	-3.9	23.7	18.4	14.7	-0.2	-6.5	25.0	9.8	8.0	22.8	-8.9	-12.2	-39.0	-2.5			
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	11.4	5.0	2.0	-1.3	25.9	18.2	12.8	-5.1	-8.3	21.7	11.4	5.0	28.8	-8.2	-12.0	-38.5	1.9			
26520	Pembuatan kelengkapan kawalan proses perindustrian	-2.5	33.7	-13.1	-23.7	7.3	19.9	29.4	49.0	9.6	50.4	-2.5	33.7	-11.8	-14.1	-13.5	-42.9	-34.2			
266/ 26600	Pembuatan jam tangan dan jam dan bahagiannya																				
	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-1.2	24.7	-7.0	-12.3	9.2	5.4	27.8	58.4	28.5	-9.8	-1.2	24.7	-13.2	-7.0	-0.3	-31.0	-16.5			

2020										2021										Group Description/Period									
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.											
-20.1	-10.9	-10.5	-7.7	-7.1	-5.7	-2.3	3.7	2.5	17.7	324.7	72.5	-13.8	-22.4	-12.9	-9.5	1.5	8.4	7.8	Manufacture of non-metallic mineral products n.e.c.										
																			Manufacture of refractory mortars and concretes										
-43.0	-25.8	-23.4	-15.4	-15.3	-18.0	-4.2	15.9	10.8	41.1	163.3	79.7	5.4	-56.9	-37.4	-26.6	2.3	5.1	-2.8	Manufacture of non-refractory ceramic										
-27.0	-32.1	-17.4	-17.3	-16.1	-15.7	-0.7	10.1	12.2	79.9	112.5	75.8	26.4	19.5	22.1	33.4	35.3	36.2	18.4	Manufacture of other porcelain and ceramic products										
-11.2	0.0	1.9	-1.3	1.6	-0.4	1.6	13.3	18.2	15.8	718.2	108.4	-26.0	-34.7	-31.2	-30.8	-8.9	2.1	3.2	Manufacture of hydraulic cement										
-39.4	-32.6	-31.4	-31.7	-32.4	-22.7	-21.0	-14.3	-21.1	-15.7	627.6	105.3	-11.2	-17.3	-0.2	22.4	29.9	27.9	19.4	Manufacture of ready-mix and dry-mix concrete and mortars										
																			Manufacture of precast concrete, cement or artificial stone articles for use in construction										
-8.8	-1.3	-3.0	5.0	4.9	6.2	7.4	-0.7	1.8	27.6	254.2	42.7	-15.6	-18.5	-9.4	-13.1	-7.3	-0.4	6.1	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone										
																			Manufacture of other articles of concrete, cement and plaster n.e.c.										
-24.9	-15.8	-19.5	-9.0	-8.8	-13.5	-6.0	36.7	14.0	33.5	206.8	83.7	16.3	11.7	16.7	9.4	8.9	19.4	6.7	Manufacture of other non-metallic mineral products n.e.c.										
-11.6	8.1	8.4	-11.9	-11.3	-15.5	-0.8	1.9	4.9	60.7	168.3	50.8	-30.7	-42.8	-22.4	7.4	16.3	33.3	21.7	Other industry										
-7.7	-9.8	-9.9	3.1	1.0	-4.8	-1.6	3.2	-8.2	-7.8	286.1	120.7	-32.5	-36.9	-2.6	14.4	12.9	16.8	13.8	Manufacture of basic iron and steel										
-12.3	-13.7	-10.0	0.8	4.5	4.0	0.7	-3.7	4.3	22.7	219.6	82.3	-29.9	-36.0	-8.2	0.9	3.3	4.4	7.7	Manufacture of basic precious and other non-ferrous metals										
-23.0	2.7	-0.2	11.0	2.6	-7.2	-4.8	-14.6	-29.7	-16.3	211.5	36.0	-22.8	-41.7	-8.9	-5.2	9.2	26.8	37.0	Casting of metals										
-32.8	-21.5	-21.6	-23.0	-11.7	-6.4	-0.7	-2.7	-1.1	2.1	159.3	25.9	-3.8	-16.8	-0.4	15.0	14.6	12.6	8.9	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition										
																			Manufacture of metal doors, windows and their frames, shutters and gates										
-37.4	-23.4	-22.5	-22.4	-11.8	-9.8	-0.01	-2.7	0.0	1.1	165.7	28.2	-13.3	-14.4	-3.2	19.4	12.2	10.0	4.4	Manufacture of other structural metal products										
																			Manufacture of tanks, reservoirs and containers of metal										
-18.9	-14.7	-18.7	-24.6	-9.8	6.3	0.2	-0.3	1.8	9.2	148.1	25.1	23.5	-19.7	13.8	10.2	28.2	24.1	26.5	Other industry										
-29.2	-26.0	-22.9	-24.1	-21.3	-17.0	-16.6	-15.5	-36.3	-19.5	119.2	-6.9	-32.0	-39.0	-37.6	-29.2	-28.0	-19.2	-19.1											
-19.5	-15.3	-11.7	-8.0	-9.3	-8.3	-2.9	-1.2	-2.8	4.7	103.8	30.0	-19.0	-25.9	-18.9	-1.9	8.2	11.2	5.9	Manufacture of other fabricated metal products; metal working service activities										
																			Forging, pressing, stamping and roll-forming of metal; powder metallurgy										
-40.7	-43.3	-33.7	-31.5	-35.2	-34.8	-14.6	-19.2	-20.8	-2.2	88.7	74.3	18.0	24.1	8.4	29.3	38.8	48.7	9.7	Treatment and coating of metals; machining										
-18.7	-11.8	-11.6	-11.4	-14.1	-10.2	-3.7	16.6	25.4	60.2	190.4	30.6	11.8	-12.5	9.4	23.3	52.7	55.5	42.6	Manufacture of tins and cans for food products, collapsible tubes and boxes										
-18.7	-19.4	-17.0	-11.2	-17.2	-18.8	-16.7	-14.5	-20.2	-15.4	-4.8	-4.1	-16.0	-25.7	-15.9	-2.8	-5.5	-1.5	-1.6	Manufacture of metal cable, plaited bands and similar articles										
																			Manufacture of bolts, screws, nuts and similar threaded products										
-20.0	-11.3	-7.6	-3.3	0.5	0.1	4.8	9.1	5.9	8.8	193.8	46.3	-34.5	-44.2	-34.7	-15.7	-0.9	1.9	-0.1											
-47.9	-34.7	-35.2	-31.8	-34.2	-29.8	-23.0	-12.2	-17.7	84.2	265.7	206.5	24.3	59.4	39.1	33.5	38.7	52.2	36.9	Manufacture of metal household articles										
-3.3	0.2	1.1	4.4	2.5	10.6	10.4	0.6	3.9	-0.1	159.1	15.4	-25.8	-23.2	-19.7	-0.8	7.4	5.8	6.5	Manufacture of any other fabricated metal products n.e.c.										
-10.6	14.3	16.8	13.5	1.7	-7.6	-12.0	13.4	-6.7	49.7	117.2	26.8	-2.6	16.6	21.9	17.8	28.0	38.0	36.1	Other industry										
11.9	12.5	9.4	10.9	7.5	6.4	3.5	6.2	14.4	21.5	68.7	23.0	3.4	3.4	17.2	27.4	23.3	21.3	24.5	Manufacture of electronic components and boards										
																			Manufacture of diodes, transistors and similar semiconductor devices										
10.1	15.6	12.5	12.6	9.3	6.1	2.7	5.0	10.1	17.1	57.3	17.6	5.1	5.9	14.5	16.6	24.3	20.7	20.9	Manufacture of electronic integrated circuits micro assemblies										
																			Manufacture of electrical capacitors and resistors										
11.7	6.3	3.0	6.0	2.4	3.5	1.7	6.7	19.1	25.7	86.7	31.5	0.8	0.6	22.6	44.3	22.5	22.6	30.5	Manufacture of printed circuit boards										
																			Manufacture of display components										
62.3	48.7	47.0	50.5	46.7	58.7	56.4	30.0	44.9	62.9	90.4	26.6	5.4	-6.2	-1.2	21.4	15.1	16.7	23.7	Manufacture of other components for electronic applications										
-1.3	-0.1	-2.5	0.0	-0.9	7.6	9.9	4.7	1.3	18.4	100.6	59.5	9.2	-18.4	-14.7	-47.8	1.6	0.9	5.6	Manufacture of computers and peripheral equipment										
13.3	0.8	-8.7	-6.4	-5.3	18.8	5.3	2.1	3.1	-1.7	5.5	-20.3	-18.6	-44.9	-34.7	-23.4	-10.9	-7.0	-17.6	Manufacture of communication equipment										
11.4	-1.8	3.1	3.6	-5.5	-8.3	-0.5	7.6	12.6	10.0	162.7	109.8	-9.6	-46.4	-9.1	-8.4	6.5	27.9	9.9	Manufacture of consumer electronics										
31.0	27.7	27.7	15.4	17.5	17.4	20.0	15.5	13.0	15.3	51.1	-5.5	-20.9	-25.0	-9.7	18.5	18.8	27.4	28.3	Manufacture of measuring, testing, navigating and control equipment; watches and clocks										
																			Manufacture of measuring, testing, navigating and control equipment										
33.5	31.5	31.5	14.3	16.8	17.9	19.7	15.2	10.2	12.3	46.1	-10.9	-25.1	-28.3	-11.1	18.9	15.5	20.5	27.7	Manufacture of industrial process control equipment										
9.8	0.05	-0.7	23.9	22.7	14.2	22.3	18.1	32.6	39.6	91.8	54.1	20.5	7.5	4.9	15.5	41.9	79.8	33.9	Manufacture of watches and clocks and parts										
																			Manufacture of irradiation, electromedical and electrotherapeutic equipment										
13.0	3.2	6.6	18.9	-1.4	7.4	10.9	40.2	22.2	21.4	74.4	38.6	63.8	42.0	12.1	31.3	45.8	-34.2	-41.0											

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020		2020				2021				2020		2021							
		2020	2021	2020				2021				(Jan. - Dis.)	(Jan. - Dis.)								
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			Jan.	Feb.	Mac	Apr.	Mei			
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	4.2	18.7	-11.9	-13.1	19.1	21.2	24.3	34.6	-12.6	35.9	4.2	18.7	-3.0	-2.9	-27.3	-51.3	-15.5			
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-1.1	21.4	3.9	-19.5	7.3	3.1	9.3	47.5	6.7	28.4	-1.1	21.4	6.9	8.8	-3.5	-45.6	-19.9			
	27101 Pembuatan motor elektrik, penjana dan transformer	12.3	13.1	4.6	-6.0	27.0	21.6	16.4	30.4	-1.6	13.2	12.3	13.1	6.1	9.8	-1.2	-37.8	-9.4			
	27102 Pembuatan perkakasan pengagihan dan pengawalan	-8.2	26.7	3.5	-26.8	-3.0	-6.4	5.6	59.5	12.3	38.5	-8.2	26.7	7.3	8.3	-4.8	-50.1	-25.6			
272/ 27200	Pembuatan bateri dan akumulator	14.9	-3.7	-1.1	32.7	22.8	4.9	-6.2	-13.2	-2.1	7.3	14.9	-3.7	0.7	0.5	-5.1	1.3	31.2			
273	Pembuatan pendawaian dan peranti pendawaian	-16.9	26.2	-7.9	-38.1	-11.7	-11.8	8.5	79.1	15.4	21.2	-16.9	26.2	-10.8	1.1	-12.9	-60.2	-42.3			
	27310 Pembuatan kabel gentian optikal	-11.2	35.4	-12.8	-24.7	2.4	-8.8	6.4	31.6	40.2	61.7	-11.2	35.4	-5.9	-6.0	-24.6	-42.2	-36.6			
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	-17.8	24.2	-7.9	-38.4	-14.5	-12.3	7.9	77.3	12.5	18.8	-17.8	24.2	-11.9	0.8	-11.2	-59.8	-42.9			
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-2.8	54.9	-5.4	-38.7	67.9	-4.1	19.7	135.2	51.0	43.6	-2.8	54.9	6.8	9.6	-30.4	-74.1	-35.0			
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	47.5	-2.8	4.9	48.9	86.0	44.4	30.5	-7.1	-29.0	15.1	47.5	-2.8	7.2	8.2	-0.5	-35.1	18.8			
275/ 27500	Pembuatan perkakasan domestik	-8.1	9.5	3.6	-35.5	1.8	-2.8	-5.2	49.7	-4.7	13.3	-8.1	9.5	4.6	5.4	0.8	-43.7	-53.5			
279/ 27900	Pembuatan kelengkapan elektrik lain	7.4	17.7	-0.7	0.9	11.3	15.9	20.5	34.1	3.5	17.8	7.4	17.7	0.1	1.6	-3.8	-45.9	5.6			
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-0.3	16.2	0.8	-9.8	5.0	2.8	5.7	35.1	6.8	19.1	-0.3	16.2	3.9	5.3	-6.1	-36.8	-17.4			
	28120 Pembuatan alat-alat kuasa bendalir																				
	& 28130 Pembuatan pam, pemampat, kepala paip dan injap lain	-20.4	25.9	4.1	-41.5	-28.4	-14.2	-10.8	87.7	19.8	32.5	-20.4	25.9	13.5	2.3	-3.4	-62.1	-41.8			
	28180 Pembuatan alatan tangan yang menggunakan kuasa																				
	& dilengkapi dengan motor elektrik atau bukan motor																				
	28220 Pembuatan jentera pembentukan logam dan alatan mesin	11.2	27.7	6.4	10.1	17.6	10.4	22.4	44.3	15.7	29.6	11.2	27.7	12.9	13.9	-6.5	-40.0	18.2			
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	19.4	17.8	1.0	11.5	43.5	22.9	24.8	30.4	0.04	20.1	19.4	17.8	0.4	4.8	-2.0	-18.4	-16.9			
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-10.1	-11.4	2.5	-10.8	-16.8	-13.9	-30.1	-3.0	-7.6	-3.8	-10.1	-11.4	-3.2	17.9	-5.1	-15.2	-27.7			
		-12.1	21.7	-5.8	-32.3	-6.9	-2.9	6.0	55.8	13.1	20.6	-12.1	21.7	2.2	-7.9	-10.6	-59.4	-30.6			
291 (29101 & 29102)	Pembuatan kenderaan bermotor	5.6	5.0	0.3	-42.1	27.4	26.4	18.0	74.3	-29.9	4.6	5.6	5.0	-4.5	9.5	-3.3	-97.9	-52.9			
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	51.9	19.1	12.4	58.1	85.8	51.0	50.8	29.3	-26.0	41.4	51.9	19.1	18.9	15.8	2.7	-36.1	46.3			
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	2.5	5.0	-3.1	-13.3	9.8	14.1	24.0	31.4	-22.9	0.4	2.5	5.0	3.6	0.2	-13.3	-45.3	-5.9			
301 (30110 & 30120)	Pembinaan kapal dan bot	-20.5	50.7	-6.2	-74.8	-18.0	11.3	12.7	353.5	44.1	26.6	-20.5	50.7	5.6	-13.0	-10.5	-95.7	-94.8			
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	-9.3	-5.9	1.7	-21.1	-8.3	-10.2	-6.1	11.3	-25.1	-0.7	-9.3	-5.9	1.2	15.2	-9.0	-56.2	-10.9			
	30910 Pembuatan motosikal	-32.1	-13.2	18.4	-62.1	-47.4	-39.0	-41.4	76.1	-18.3	-5.9	-32.1	-13.2	12.1	46.8	0.8	-87.5	-57.4			
	30920 Pembuatan basikal dan invalid carriages	26.1	3.4	-14.5	6.8	59.9	51.2	71.1	10.1	-28.4	-6.5	26.1	3.4	-11.1	2.4	-33.8	-49.7	30.1			
	Industri lain	-6.2	-6.6	-3.9	-3.5	-3.6	-13.0	-0.4	-5.3	-26.0	4.9	-6.2	-6.6	-2.1	-1.5	-7.5	-37.0	5.4			
310	Pembuatan perabot	-7.3	-5.7	3.6	-42.2	4.7	2.2	5.1	33.7	-39.0	-2.9	-7.3	-5.7	9.9	11.1	-8.1	-91.7	-46.6			
	31001 Pembuatan perabot kayu dan rotan	-7.8	-21.9	11.1	-46.3	4.0	-1.6	-4.0	19.1	-54.3	-27.5	-7.8	-21.9	15.9	18.3	1.2	-92.9	-57.4			
	Industri lain	-6.2	26.3	-10.7	-33.8	6.0	10.4	26.8	58.0	-9.9	43.7	-6.2	26.3	-1.5	-1.9	-27.3	-89.0	-25.8			
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	-12.1	1.9	7.4	-51.6	-4.3	-0.4	1.8	132.8	-52.2	-6.7	-12.1	1.9	8.8	14.9	-0.4	-88.3	-58.8			
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	3.5	7.0	5.2	-5.7	11.0	3.4	2.7	14.3	-2.0	14.2	3.5	7.0	7.8	10.4	-2.4	-33.5	4.0			
	32901 Pembuatan alat tulis	2.6	12.7	3.0	-6.1	18.6	-3.6	16.0	35.3	-4.2	7.3	2.6	12.7	6.0	4.9	-1.8	-45.7	-0.9			
	Industri lain	3.8	5.2	6.0	-5.6	8.9	5.8	-1.4	7.9	-1.3	16.3	3.8	5.2	8.3	12.2	-2.6	-29.6	5.6			
323/ 32300	Pembuatan barangan sukan	20.9	-26.7	-8.6	24.3	49.3	22.6	2.4	-22.5	-51.8	-26.6	20.9	-26.7	-15.7	0.4	-10.3	-8.6	23.8			
324/ 32400	Pembuatan permainan dan mainan	-31.3	3.8	-24.6	-52.5	-25.9	-22.2	-14.2	47.8	-17.8	16.0	-31.3	3.8	-9.4	-23.6	-37.8	-92.6	-45.1			
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-11.3	0.04	-1.3	-40.1	-2.7	-2.2	0.6	29.8	-24.8	8.3	-11.3	0.04	1.2	0.1	-4.7	-67.5	-56.6			
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	4.1	6.2	-34.9	-13.8	47.4	20.1	68.0	13.0	-29.6	8.4	4.1	6.2	-44.4	-31.2	-30.3	-48.6	-34.8			
	Industri lain	-17.1	-2.8	13.1	-49.4	-19.0	-10.9	-16.1	39.8	-22.0	8.3	-17.1	-2.8	19.4	13.6	7.0	-74.7	-63.9			
Jumlah Pembuatan		-2.1	15.5	2.2	-16.5	2.4	3.0	8.5	33.9	6.4	16.5	-2.1	15.5	2.4	7.6	-3.0	-33.0	-20.4			

Jadual **1.4C** : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
 Table : Sales Value of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021				2020					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun
101	Pemprosesan dan pengawetan daging	-5.0	42.8	-4.3	-2.6	-1.7	0.6	9.6	4.4	2.4	-4.1	15.4	24.2	8.3	1.9
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-1.5	-17.7	25.8	-1.6	2.5	-3.9	-10.4	6.8	-0.3	-3.9	-4.9	-24.5	15.4	10.4
	10201 Pengetinan ikan, krustasea dan moluska &														
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	-1.0	-17.3	25.2	-0.9	1.9	-3.5	-11.0	6.3	-0.2	-3.9	-4.4	-24.3	15.7	9.7
	Industri lain	-11.0	-25.6	37.5	-14.8	15.1	-12.7	2.4	17.3	-1.5	-3.4	-13.9	-27.9	9.1	26.3
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	-0.9	2.0	24.0	-5.6	8.7	-12.0	-17.3	10.5	11.6	-2.5	-20.9	-23.1	52.0	45.0
	10303 Pengetinan nanas &	64.9	-31.6	-4.6	10.0	44.8	-27.4	-8.6	4.3	31.5	40.0	-12.2	-37.0	7.4	5.2
	10304 Pembuatan jem, marmalad dan sajian jeli														
	Industri lain	-14.4	15.3	30.7	-8.3	1.3	-7.4	-19.4	12.1	7.2	-14.1	-24.8	-15.9	69.3	54.8
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	-21.8	47.2	1.2	-1.2	-23.6	47.8	0.1	4.7	-13.7	-3.8	-5.1	44.5	4.1	12.1
	10404 Pembuatan minyak sayuran mentah dan bertapis &	-7.6	-6.9	11.6	10.2	-1.0	15.4	8.7	-11.8	-1.6	-12.5	10.4	-15.5	10.0	3.7
	10406 Pembuatan sebatian lemak masakan														
	10405 Pembuatan minyak kelapa	11.9	-19.9	22.3	16.6	-2.9	-29.2	-4.9	38.3	10.3	10.3	-3.2	-27.6	-4.4	39.1
	Industri lain	-23.7	55.7	0.1	-2.4	-26.3	53.5	-0.8	6.4	-15.4	-2.7	-7.1	54.7	3.6	12.6
105	Pembuatan produk tenusu	8.0	-4.2	10.4	-3.5	1.7	4.4	-0.4	5.3	9.6	0.1	2.8	-18.4	15.6	12.5
	10502 Pembuatan susu pekat, tepung dan sejat	10.5	-3.8	10.1	-4.6	1.4	5.4	0.0	5.3	9.8	1.1	3.7	-19.6	17.1	12.7
	Industri lain	-16.6	-9.1	15.9	9.9	5.0	-6.0	-5.4	4.5	7.3	-12.0	-9.3	0.4	-3.2	10.4
106	Pembuatan produk bijian, kanji dan produk berkanji	8.8	-5.6	-3.4	0.3	13.4	10.2	-4.2	8.4	4.1	-1.1	4.2	-0.6	-12.6	4.1
	10611 Pengilangan beras	21.8	-1.0	-14.3	-4.2	10.2	33.2	-4.4	8.0	-3.6	19.1	11.9	3.4	-22.4	-2.6
	10613 Pengilangan tepung	0.1	-9.6	7.5	3.7	16.2	-4.0	-4.3	8.3	10.1	-15.1	-3.1	-4.4	-1.9	11.2
	Industri lain	0.3	-6.8	-4.8	1.9	7.0	-10.7	0.9	15.0	4.7	2.6	3.6	-7.1	-2.0	-4.4
107	Pembuatan produk makanan lain	-1.0	8.5	1.9	0.7	9.6	-1.8	5.6	0.5	4.5	-9.2	6.6	3.9	13.1	
	10711 Pembuatan biskut dan cookies	-15.5	-1.6	13.1	11.3	-7.3	-7.5	-10.8	44.6	-21.1	8.7	1.9	-12.8	4.8	15.1
	10712 Pembuatan roti, kek dan produk bakeri lain	5.7	38.0	-0.9	-13.6	14.9	-0.4	-2.2	-8.6	6.8	-0.02	-6.5	51.0	-13.1	14.9
	10713 Pembuatan produk snek	-6.0	-0.6	-3.3	0.9	-0.6	-1.8	-8.6	24.8	-7.1	2.8	-8.9	1.8	0.2	8.8
	10721 Pembuatan gula	3.1	-18.0	2.5	12.6	15.2	-6.1	2.5	11.3	-2.1	25.8	-21.2	-17.6	0.2	25.9
	10731 Pembuatan produk koko	-6.9	-2.2	-3.6	5.8	-1.6	-10.3	-4.7	7.7	0.8	1.5	-6.6	5.7	-3.9	-3.0
	10732 Pembuatan coklat dan produk coklat &	-2.1	19.4	5.5	7.3	10.2	3.3	-4.1	3.3	1.7	0.2	-9.0	-1.0	31.2	17.5
	10733 Pembuatan konfeksi gula														
	10793 Pembuatan sos dan bahan perasa	-13.9	-16.8	14.6	4.3	8.4	-2.4	-6.6	25.8	-2.9	-5.4	-19.3	-7.9	6.0	8.3
	10799 Pembuatan produk makanan lain t.t.t.l.	4.7	8.1	-7.5	6.6	10.6	-0.9	9.4	4.8	1.3	10.7	-10.9	-15.1	43.6	8.7
	Industri lain	0.3	-5.7	6.3	-0.5	11.3	-4.1	0.1	8.2	3.2	2.8	-4.3	-3.5	-4.8	9.3
108/ 10800	Pembuatan makanan haiwan tersedia	1.3	-15.4	-14.7	-3.9	5.3	35.7	4.4	-1.4	0.8	-0.7	-0.4	-0.3	-21.9	-0.6
110	Pembuatan minuman ringan	-3.8	-54.5	74.5	6.4	16.2	-22.7	-2.1	32.6	2.6	-5.4	-5.8	-62.4	20.5	36.5
	11041 Pembuatan minuman ringan	-10.9	-43.1	40.6	5.8	19.2	-13.7	17.4	7.7	-9.2	-0.8	-8.0	-40.2	-6.0	15.9
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-8.7	-30.1	65.4	-7.1	13.7	-7.3	8.5	-0.7	5.4	-10.6	-16.8	-55.1	114.6	10.7
	Industri lain	8.5	-74.5	176.4	12.2	12.7	-40.5	-48.0	183.8	21.2	-9.7	-0.1	-91.5	154.4	125.2
120/ 12000	Pembuatan produk tembakau	-3.2	-80.5	407.7	6.7	-2.4	-38.9	-55.2	316.2	-10.7	-5.4	12.2	-98.2	444.8	356.2
131	Pemintalan, penenunan dan penyiapan tekstil	-1.5	-43.0	47.1	16.7	0.6	4.7	-18.4	20.6	2.5	-1.7	-7.3	-63.2	66.8	35.4
	13110 Penyediaan dan pemintalan gentian tekstil &	2.6	-47.6	42.8	22.3	3.1	10.0	-27.9	23.8	5.0	-1.9	-8.3	-68.2	82.1	34.6
	13120 Penenunan tekstil														
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-12.8	-24.8	54.6	4.0	-5.4	-11.0	14.1	14.9	-4.6	-1.7	-2.9	-44.3	35.0	33.8
	Industri lain	-23.0	-72.4	220.5	1.6	-24.8	-4.3	67.1	-11.5	-19.8	9.2	-22.1	-98.6	993.0	405.2
139	Pembuatan tekstil lain	-6.3	-25.7	36.9	8.2	3.7	1.1	15.7	7.9	-3.8	0.7	-9.0	-56.5	109.2	12.9
	13910 Pembuatan fabrik dikait dan dikrusye	-13.3	-16.7	29.4	5.3	0.4	-3.0	7.1	9.7	-10.4	-2.0	-9.8	-57.2	158.5	5.4
	Industri lain	2.7	-35.5	47.5	11.8	7.6	5.6	24.2	6.4	5.2	3.8	-8.1	-55.8	58.4	25.7
141	Pembuatan pakaian, kecuali pakaian berbulu	-8.2	-31.6	33.2	13.3	-4.3	-14.3	3.4	17.9	-1.6	-3.9	-5.3	-49.2	40.8	30.4
	14102 Pembuatan pakaian	-7.6	-26.6	30.3	8.7	-4.5	-12.4	5.9	13.8	-3.1	-2.7	-5.0	-45.0	37.3	31.8
	Industri lain	-12.1	-64.9	74.3	60.4	-3.2	-27.1	-17.9	62.6	8.6	-11.4	-7.5	-78.2	102.7	13.1
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	-22.5	-8.5	35.1	1.2	-1.0	-7.5	-25.3	43.3	-16.1	9.2	-17.3	-44.6	112.6	10.3
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-0.4	-33.2	33.3	8.7	4.5	-28.0	-8.7	74.2	2.8	-5.2	6.6	-74.1	180.9	33.5
152	Pembuatan kasut	-11.3	-57.7	90.9	21.9	7.5	-31.7	-17.9	40.0	-0.9	-4.7	-15.7	-85.5	117.4	215.6
	15201 Pembuatan kasut kulit &	-16.9	-53.1	81.1	18.5	7.3	-36.8	-19.2	56.7	-4.9	-6.0	-16.6	-79.2	105.4	133.1
	15203 Pembuatan kasut getah														
	Industri lain	-1.5	-64.5	110.1	27.5	7.9	-23.7	-16.2	19.1	5.9	-2.7	-14.3	-94.6	183.2	546.5
161/ 16100	Pengilangan dan pengetaman kayu	4.6	-61.4	143.3	11.2	1.3	-35.9	8.9	44.6	1.9	-4.3	-1.5	-93.2	87.7	680.5

2021																		Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
-7.7	-0.8	0.7	-4.2	8.0	-11.0	9.4	-7.5	-0.8	-0.9	6.4	1.8	-2.3	14.0	-1.7	-2.8	7.7	-2.9	Processing and preserving of meat
11.4	1.4	0.9	-2.6	-3.4	7.0	2.3	-7.0	5.0	-1.9	-7.2	6.3	-12.3	2.0	-2.0	7.0	1.4	-1.3	Processing and preserving of fish, crustaceans and molluscs
																		Canning of fish, crustaceans and molluscs
11.2	1.5	1.0	-2.4	-2.8	7.0	1.6	-7.3	5.3	-1.4	-7.5	6.5	-12.9	2.0	-2.3	6.5	1.8	-1.5	Processing, curing and preserving of fish, crustacean and molluscs
15.9	-0.4	-0.7	-6.4	-15.6	7.0	19.1	-2.7	-0.7	-10.9	-1.0	0.1	-0.3	3.0	3.0	16.9	-5.0	2.4	Other industry
-8.9	-5.4	2.7	-1.4	-6.6	0.7	12.7	-3.7	2.3	-1.7	-14.6	-3.3	-8.9	-3.5	1.5	6.5	6.4	-0.8	Processing and preserving of fruits and vegetable
																		Pineapple canning
-8.5	0.7	-5.5	1.5	3.9	28.2	6.8	31.4	-15.1	-3.6	-30.0	-12.4	5.3	15.1	-2.3	-0.2	10.3	-14.4	Manufacture of jams, marmalades and table jellies
-8.9	-6.5	4.2	-1.9	-8.4	-4.6	14.2	-12.2	8.6	-1.2	-10.4	-1.3	-11.6	-7.8	2.6	8.3	5.5	2.8	Other industry
-12.4	0.9	15.5	0.2	-14.5	-2.9	-15.6	-2.5	-2.4	44.8	0.6	12.6	-12.9	-0.2	18.9	-3.3	-2.5	-4.5	Manufacture of vegetable and animal oils and fats
																		Manufacture of crude and refined vegetable oil
4.6	1.0	1.0	12.6	-4.9	0.3	-0.9	-1.6	7.6	10.3	0.3	0.03	1.8	-0.4	21.0	-20.7	-2.7	0.8	Manufacture of compound cooking fats
0.5	0.2	0.2	12.1	3.5	4.2	-2.3	-5.7	-1.6	-21.6	9.6	-36.3	21.7	8.3	-3.7	34.6	5.0	-2.1	Manufacture of coconut oil
-13.9	0.9	17.1	-1.0	-15.6	-3.4	-17.4	-2.6	-3.8	51.0	0.6	14.4	-14.5	-0.3	18.8	-1.5	-2.5	-5.1	Other industry
0.3	0.6	-8.7	7.8	-5.3	-4.8	7.3	-1.5	2.5	3.4	-2.7	5.3	-9.5	11.1	-0.5	2.5	1.7	-4.6	Manufacture of dairy products
-0.02	0.6	-10.0	8.2	-5.9	-4.9	7.5	-1.9	2.7	4.0	-2.6	5.8	-9.6	11.8	-1.1	2.7	2.0	-4.9	Manufacture of condensed, powdered and evaporated milk
5.6	0.6	10.4	2.4	2.6	-3.9	5.2	2.5	-0.1	-4.1	-3.6	-1.1	-7.6	2.4	8.3	0.1	-2.3	-0.6	Other industry
-2.4	0.7	1.5	3.4	-6.5	0.4	11.2	2.2	7.4	6.9	-7.0	7.5	-9.8	0.5	10.4	5.4	-5.4	-0.6	Manufacture of grain mill products, starches and starch products
-5.6	0.6	2.7	2.3	-9.2	-6.5	13.7	6.2	2.5	29.3	-3.5	5.5	-12.6	1.0	18.3	5.6	-13.7	1.9	Rice milling
0.3	0.8	0.2	4.7	-5.0	6.1	10.0	-1.0	12.2	-7.1	-10.0	9.4	-7.1	-0.8	3.3	5.7	2.1	-2.6	Flour milling
-3.3	0.5	5.4	-1.2	1.8	-5.3	6.1	10.2	-7.8	-3.9	-10.9	8.0	-10.6	12.3	8.8	-0.4	10.4	-4.0	Other industry
-6.7	2.1	-5.1	2.9	0.2	1.2	4.9	5.4	-0.2	-0.8	-7.4	7.6	-5.2	-0.2	4.1	4.7	-2.8	0.6	Manufacture of other food products
0.7	0.8	1.2	0.9	10.3	6.5	-13.8	-4.7	9.8	18.4	-37.4	-1.9	5.3	1.2	6.6	22.4	17.6	2.9	Manufacture of biscuits and cookies
-0.8	1.2	-15.5	-0.4	-4.2	-1.2	7.9	28.1	-22.9	3.4	4.1	10.4	-8.7	2.7	-7.8	-0.4	-5.6	-0.5	Manufacture of bread, cakes and other bakery products
-8.8	0.6	-0.4	1.6	-1.3	0.7	-1.0	-2.7	6.4	4.7	-13.3	-0.7	-14.4	8.4	19.8	7.6	0.3	1.2	Manufacture of snack products
-12.1	0.7	0.1	10.3	0.2	5.0	2.1	13.8	-0.1	-3.2	-17.9	18.1	-4.1	-6.8	22.7	0.4	-2.0	1.9	Manufacture of sugar
0.8	1.0	-5.1	15.6	-8.9	1.1	3.6	3.0	-13.8	2.6	-4.8	-3.1	-2.4	2.2	-0.03	7.8	1.4	-5.3	Manufacture of cocoa products
																		Manufacture of chocolate and chocolate products
-15.1	7.2	-3.6	2.5	6.5	1.2	6.0	-7.7	19.9	-0.4	-9.8	3.9	-2.2	-2.8	2.4	7.7	-8.1	2.2	Manufacture of sugar confectionery
7.8	-0.2	-2.3	4.3	0.1	5.0	8.9	-4.1	-3.0	2.6	-1.0	-2.8	-10.2	4.0	10.9	13.1	4.3	-0.5	Manufacture of sauces and condiments
-21.9	0.8	1.5	0.1	8.1	-0.6	3.5	2.8	8.0	-6.6	-2.1	3.9	3.2	4.0	4.2	3.3	-4.1	0.8	Manufacture of other food products n.e.c.
1.1	0.1	1.8	0.8	-4.1	0.9	10.0	-3.2	13.0	-11.2	-7.1	17.9	-8.8	-3.5	10.6	2.7	-0.5	0.3	Other industry
-6.0	-0.3	-0.4	-3.2	-0.4	-0.1	-3.7	1.3	25.9	14.9	1.8	0.8	4.5	-1.6	-0.4	-2.3	2.0	1.3	Manufacture of prepared animal feeds
19.8	19.5	1.6	-1.0	-3.1	8.2	8.8	0.1	7.0	-4.3	-18.2	-39.2	15.7	36.8	14.9	17.5	-8.7	0.2	Manufacture of beverages
17.6	15.9	0.7	-1.4	-3.2	12.7	9.8	0.2	4.0	0.6	-24.0	-1.9	15.9	35.5	-22.5	23.8	-9.4	1.1	Manufacture of soft drinks
18.4	12.1	0.5	-7.8	-4.4	-0.8	3.8	13.1	8.2	0.8	-22.1	-4.8	14.6	15.4	-7.6	2.3	-0.7	-5.5	Production of natural mineral waters and other bottled waters
24.2	28.0	3.3	2.0	-2.6	4.9	8.8	-3.5	11.0	-12.8	-7.3	-99.3	24.1	1,086.7	830.9	13.0	-10.1	0.8	Other industry
113.2	-8.3	18.1	-0.6	-8.5	15.7	-9.9	-5.8	16.9	-19.2	-16.5	-69.5	6.8	-30.5	151.9	191.0	-16.1	16.4	Manufacture of tobacco products
3.8	4.6	0.1	14.8	-0.7	1.7	-1.4	-1.1	5.3	-0.1	-2.4	10.0	-19.4	-6.3	0.3	12.1	13.1	2.7	Spinning, weaving and finishing of textiles
																		Preparation and spinning of textile fibres
0.6	2.6	0.2	14.0	9.0	0.7	-1.4	-0.2	4.1	4.6	1.3	4.8	-26.8	-2.7	-9.6	12.2	28.3	0.8	Weaving of textiles
12.1	8.6	0.2	16.8	-22.1	4.8	-0.8	-2.8	8.9	-13.9	-15.8	32.8	5.0	-18.3	29.5	13.1	-15.8	9.2	Dyeing, bleaching, printing and finishing of yarns and fabrics
16.2	23.4	-9.3	8.7	-10.1	0.2	-9.1	-25.0	9.6	-0.2	-0.8	2.0	-0.9	119.1	-17.3	-11.2	-7.6	-10.4	Other industry
1.1	6.7	-0.8	7.6	-5.5	8.5	-0.1	-5.1	11.7	-4.8	-2.3	6.0	9.9	2.3	1.5	5.2	-0.6	3.8	Manufacture of other textiles
-1.0	2.3	-1.9	9.8	-10.5	11.1	-4.2	-4.4	13.7	-12.7	1.5	7.9	1.2	-4.0	9.2	7.7	-7.6	8.2	Manufacture of knitted and crocheted fabrics
4.1	12.6	0.5	4.9	0.7	5.5	4.6	-5.9	9.6	4.1	-5.8	4.1	19.1	7.9	-4.7	3.0	6.1	0.1	Other industry
1.2	-2.2	8.8	8.2	-5.0	9.9	-5.3	-3.0	-4.4	-5.5	-6.5	-3.7	5.6	3.5	1.2	14.1	0.4	3.4	Manufacture of wearing apparel, except fur apparel
1.7	-4.2	4.5	8.0	-6.4	11.2	-5.9	-3.1	-3.9	-4.8	-7.5	1.5	7.2	1.5	-1.7	13.1	-1.0	5.8	Manufacture of clothings
-5.8	27.9	57.4	9.9	5.1	1.0	-1.0	-2.7	-8.2	-10.8	1.3	-39.8	-13.8	32.8	33.3	22.3	11.1	-13.0	Other industry
19.5	-22.3	10.6	1.1	-0.4	7.7	-5.3	0.3	-1.6	12.1	1.3	-52.0	24.9	-5.8	19.9	23.1	5.4	5.5	Manufacture of articles of fur, knitted and crocheted apparel
																		Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
-2.5	-14.0	4.2	6.5	7.5	-0.8	3.7	-4.5	5.9	-14.7	-5.0	-44.6	-3.6	47.8	33.9	24.5	7.9	-0.8	
-9.9	-1.4	12.8	3.9	3.8	18.5	-0.1	-7.1	0.1	-18.9	-13.3	-16.7	-8.9	11.3	0.4	30.8	2.3	4.4	Manufacture of footwear
																		Manufacture of leather footwear
-3.5	-1.4	10.2	6.0	3.6	8.8	3.3	-8.6	9.4	-25.3	-19.8	-17.4	-11.2	16.2	5.6	38.1	4.4	4.4	Manufacture of rubber footwear
-19.1	-1.4	17.3	0.5	4.1	34.9	-4.7	-4.8	-13.0	-7.5	-3.8	-15.9	-6.1	5.9	-5.9	20.8	-1.0	4.5	Other industry
-5.0	-0.3	6.9	2.5	1.3	9.2	-5.0	-6.9	15.3	-19.9	-25.9	-33.1	12.5	72.8	-5.1	19.6	7.0	7.6	Sawmilling and planning of wood

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021				2020					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	-2.3	-71.1	168.1	8.8	5.9	-40.7	14.6	57.9	1.4	-5.1	-3.0	-94.1	53.7	723.7
16211	Pembuatan kepingan venier dan papan lapis	-2.7	-79.3	210.5	7.9	8.3	-42.8	17.2	62.5	2.2	-11.6	3.5	-99.8	10.9	29,671.2
16212	Pembuatan papan partikel dan papan gentian	-1.5	-69.3	224.4	4.0	3.4	-35.0	21.9	44.2	-4.7	10.0	-9.9	-99.4	29.4	11,955.5
16221	Pertukangan kayu untuk jurubina	-3.9	-70.6	195.4	23.3	6.0	-48.0	7.0	76.5	3.6	-5.1	-12.3	-92.7	93.2	444.2
	Industri lain	-0.8	-25.5	24.6	11.2	2.6	-38.2	-8.5	63.7	10.2	0.3	-11.9	-43.1	50.3	18.6
170	Pembuatan kertas dan produk kertas	-2.3	-11.6	19.3	-0.2	5.2	3.3	1.4	4.2	-0.8	4.3	2.1	-28.4	18.4	19.9
17010	Pembuatan pulpa, kertas dan kertas tebal	0.8	-43.1	81.6	7.9	5.4	5.5	3.5	5.9	-1.0	8.2	-4.0	-72.2	72.2	98.3
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	-2.5	-1.6	23.2	0.5	-0.7	-0.6	1.7	6.3	7.5	-2.1	-0.2	-18.6	25.5	11.8
17091	Pembuatan sampul surat dan kad surat	-11.7	-4.6	-21.8	0.2	-1.1	-3.9	0.2	2.0	-3.8	-12.5	15.6	-25.3	29.3	4.5
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-4.5	-8.9	1.4	-6.1	12.1	5.8	0.4	5.3	-14.4	15.6	13.7	-23.6	-0.9	17.2
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-4.5	-6.1	-7.0	-8.2	19.8	15.4	1.8	-9.0	-9.2	12.1	-2.3	-9.3	-0.9	6.0
	Industri lain	5.4	-3.9	11.0	1.9	5.8	-2.4	-3.3	6.4	17.5	-8.0	-1.7	-17.6	31.6	1.0
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	-1.3	-40.7	69.4	3.6	-0.3	-18.5	0.9	26.2	5.5	-4.7	-7.2	-60.2	59.1	37.4
18110	Percetakan	-0.03	-40.3	68.1	2.9	-5.4	-16.2	9.2	22.0	5.9	-5.9	-3.8	-60.6	54.4	43.8
18120	Aktiviti perkhidmatan berkaitan percetakan	-6.7	-42.5	75.2	7.0	21.3	-26.0	-29.7	50.2	3.7	0.4	-20.8	-58.1	80.7	12.4
	&														
18200	Penerbitan semula media rakaman														
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	2.7	-31.9	4.2	8.5	7.1	32.0	8.7	3.4	8.7	-15.1	2.0	-23.5	-11.8	3.0
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	0.2	-21.4	4.3	7.6	15.5	-15.0	12.0	2.2	2.6	-5.5	6.9	-26.6	1.2	10.4
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	4.2	-65.1	-34.8	69.2	74.4	-2.4	-26.4	-38.1	9.5	-11.3	21.3	-79.0	57.9	26.6
20112	Pembuatan kimia organik asas	-5.6	-19.7	3.9	10.7	14.6	-19.9	20.9	-3.1	-1.1	-6.7	-1.2	-19.5	-0.9	10.6
20113	Pembuatan sebatian bukan organik														
20121	Pembuatan baja	1.5	-28.2	3.5	-4.7	22.5	-1.3	-13.0	46.2	6.3	1.6	-5.2	-28.9	-4.3	21.7
20129	Pembuatan produk campuran nitrogen														
20131	Pembuatan plastik dalam bentuk primer	8.4	-15.7	8.4	2.8	10.3	-13.0	7.5	9.5	7.5	-5.2	19.5	-27.2	3.8	7.2
	Industri lain	13.6	-10.7	0.8	4.9	21.8	-0.1	23.8	-10.8	1.7	5.2	21.6	-20.3	-7.3	7.1
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	-0.03	-24.3	35.2	1.6	6.3	-4.5	6.6	17.0	7.6	-0.7	-6.4	-40.7	37.6	19.2
20210	Pembuatan racun perosak dan produk agrokimia lain	-16.0	-10.7	38.2	10.5	13.7	-6.5	4.6	23.7	5.7	-26.1	-8.1	-7.7	16.4	10.4
20221	Pembuatan cat, varnis dan penyadur dan mastik	8.5	-54.5	68.8	6.8	15.3	5.5	0.9	42.4	12.3	1.0	-7.9	-73.3	76.0	49.3
20222	Pembuatan dakwat cetak	-8.0	-45.5	0.7	13.2	7.6	3.1	-6.2	6.3	6.5	-12.5	-6.0	-49.5	25.5	2.1
20231	Pembuatan sabun dan bahan pencuci, penyediaan														
&	membersihkan dan mengilap	3.7	-6.0	35.4	-3.7	2.8	-12.7	18.5	4.6	8.2	6.6	-6.3	-32.9	54.1	14.3
20232	Pembuatan pewangi dan penyediaan dandanan diri														
20291	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials														
20292	Pembuatan dakwat menulis dan melukis	-6.1	-11.5	16.4	2.5	0.1	-2.0	-3.3	13.0	2.4	-0.2	-3.2	-19.3	11.1	12.6
20299	Pembuatan produk kimia lain t.t.t.l.														
	Industri lain	-5.3	-40.1	63.0	-3.9	12.1	3.9	14.1	-20.5	7.5	-6.0	-20.0	-47.0	23.2	47.6
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	1.6	13.5	5.2	-7.2	8.1	6.8	6.4	-0.1	4.3	2.7	6.8	0.2	3.7	14.8
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	1.8	10.4	0.9	-2.4	10.2	10.3	3.9	-2.4	4.8	5.1	3.8	2.2	1.1	8.7
	Industri lain	0.6	28.1	22.6	-23.3	-1.1	-10.3	21.3	11.5	2.3	-8.7	22.3	-9.1	16.8	41.6
221	Pembuatan produk getah	14.5	29.8	10.0	12.2	20.1	18.1	-26.3	-17.0	1.1	-3.5	42.9	4.0	-0.8	4.3
22111	Pembuatan tayar getah untuk kenderaan	-14.3	23.4	22.6	-3.5	-8.4	-13.7	118.9	-25.0	-1.7	3.2	-44.8	4.0	94.0	28.0
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	-4.4	86.5	4.5	-25.6	5.7	-10.7	-8.0	26.6	-1.7	18.6	-26.5	-16.7	188.9	37.0
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	-15.4	17.0	7.8	-1.1	-1.8	-6.8	-21.2	7.1	-3.1	-9.2	-16.9	12.6	15.8	30.1
22193	Pengilangan semula getah dan prosesan susu getah														
22192	Pembuatan sarung tangan getah	32.2	35.6	7.1	18.5	27.7	25.5	-34.3	-21.8	1.5	-3.8	85.6	3.6	-9.9	-6.2
22199	Pembuatan produk getah lain yang t.t.t.l.	3.4	8.8	29.9	3.7	8.9	-0.2	-9.8	6.4	10.8	0.7	-5.8	-3.0	10.3	26.2
222	Pembuatan produk plastik	-5.5	-1.1	9.9	2.3	6.7	9.5	-1.3	1.0	-0.4	-3.9	-5.4	-5.9	8.6	13.5
22201	Pembuatan produk plastik separa siap														
&		-0.1	11.7	2.7	-0.1	10.6	12.4	-4.6	-5.7	2.8	-1.7	-2.0	3.9	11.3	5.4
22202	Pembuatan produk plastik siap														
22203	Pembuatan artikel plastik untuk pembungkusan barangan	-3.4	-0.8	13.7	2.4	8.1	5.9	8.2	3.5	8.0	-12.2	-4.6	-6.8	9.6	23.8
22204	Pembuatan barangan plastik jurubina	1.2	-14.1	23.9	-0.3	17.2	26.6	14.1	-2.1	0.8	-8.6	-3.2	-12.2	-7.0	25.2
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	1.8	-2.2	32.7	-2.7	10.4	19.4	6.9	17.5	-7.1	9.2	-10.7	-19.1	3.5	70.8
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-11.8	-10.3	9.2	5.6	0.9	6.4	-9.4	1.3	-7.1	-0.8	-7.9	-10.7	7.0	5.2
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	-0.01	-68.7	81.1	26.2	6.8	-23.8	-33.9	43.0	-5.1	-4.2	16.9	-77.6	31.6	15.5

2021																		Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
4.7	-2.5	12.6	-2.6	4.6	3.1	2.3	-4.4	9.3	-22.6	-35.4	-14.0	-4.6	72.3	18.6	12.9	11.5	3.2	Manufacture of products of wood, cork, straw and plaiting materials
2.0	-3.6	14.2	-7.7	10.4	4.3	0.5	-3.9	12.7	-27.2	-37.7	-6.1	-13.4	85.1	21.7	11.3	14.0	2.3	Manufacture of veneer sheets and plywood
6.6	-2.4	13.7	-3.6	-2.4	4.8	3.2	-7.5	9.1	-16.2	-33.0	-12.5	6.4	51.1	25.7	3.8	8.8	4.6	Manufacture of particle board and fibreboard
21.2	-0.3	12.3	13.4	0.3	2.1	2.9	0.9	2.7	-23.8	-37.2	-40.0	18.8	93.8	-4.1	46.4	3.4	4.1	Manufacture of builders' carpentry
-1.3	-0.1	3.9	7.2	4.6	-5.2	7.1	-4.5	2.5	-16.8	-30.6	-23.2	-14.8	69.5	5.6	22.2	16.8	2.0	Other industry
0.5	0.4	0.6	2.0	-2.0	-4.0	2.9	0.9	15.4	-2.1	-6.4	0.2	-1.7	7.1	1.7	2.3	0.01	-4.6	Manufacture of paper and paper products
9.0	0.1	-0.9	10.5	-4.2	3.4	-0.1	-0.1	14.3	-1.9	-0.8	-2.4	-0.5	9.6	-0.8	11.5	-9.9	-2.4	Manufacture of pulp, paper and paperboard
6.4	0.5	0.9	5.4	-2.6	-11.3	2.8	-0.4	18.3	-0.2	-9.8	-13.3	10.3	7.5	1.5	5.8	0.6	-9.6	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-31.3	-0.6	8.1	-1.8	-8.2	8.7	-5.5	-3.3	12.9	-10.5	3.7	-6.3	-1.8	4.2	7.3	-2.0	-3.5	1.2	Manufacture of envelopes and letter-card
-8.8	0.6	0.6	-9.0	-0.3	8.5	-1.2	4.5	13.3	-0.7	-8.8	9.0	-8.7	6.8	7.5	-8.0	10.2	0.1	Manufacture of household and personal hygiene paper
-10.4	0.4	-0.4	-7.6	0.8	-3.3	8.8	6.3	22.9	-12.9	-3.1	49.3	-22.1	7.5	-6.1	-7.1	0.4	-1.6	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
0.7	0.2	2.2	3.6	1.1	-11.5	18.1	-4.3	-0.6	1.3	-0.2	-5.1	-1.2	-1.0	6.2	1.9	0.7	0.2	Other industry
19.0	5.5	0.2	0.7	1.2	0.6	2.4	-3.9	-2.5	-0.2	-12.0	-26.4	16.6	16.7	3.8	1.2	23.1	1.2	Printing, service activities related to printing and reproduction of recorded media
16.9	4.3	0.1	0.5	1.8	-0.9	-2.5	-4.3	-0.5	0.4	-13.4	-20.8	19.1	18.9	3.2	-0.5	19.4	2.1	Printing
29.4	10.9	0.6	1.5	-1.0	7.0	22.1	-2.7	-8.9	-2.3	-7.1	-44.7	5.1	5.0	7.8	11.0	42.3	-2.9	Service activities related to printing
																		Reproduction of recorded media
4.0	6.8	-5.4	0.4	9.5	9.4	3.7	-10.4	5.3	30.9	2.6	-1.6	11.9	-2.3	-3.3	0.8	12.4	-6.5	Manufacture of refined petroleum products
-2.6	0.1	-0.4	-2.1	7.6	14.1	3.0	-1.2	4.2	-22.8	2.4	17.4	1.8	3.1	-10.6	1.7	4.9	11.5	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
-50.0	-2.8	4.6	-20.5	22.8	227.8	3.8	-3.4	-33.5	23.2	2.2	16.9	-1.2	-33.2	-49.1	2.8	8.1	36.2	Manufacture of liquefied or compressed inorganic industrial or medical gases
-3.3	2.7	-2.6	-0.6	9.3	16.5	0.3	-0.9	3.8	-30.5	9.5	17.6	6.2	7.6	-15.0	-3.4	6.6	14.0	Manufacture of basic organic chemicals
-6.8	-0.6	-1.1	-11.8	5.1	16.2	1.8	8.0	5.6	-0.5	-8.8	-2.6	-11.1	3.5	1.3	39.1	-1.1	11.4	Manufacture of inorganic compounds
3.7	-3.4	2.8	-2.1	5.2	2.0	6.2	-3.5	10.0	-21.7	-3.1	24.1	-3.7	-2.1	-1.7	7.3	2.7	6.5	Manufacture of fertilizers
-1.5	0.6	-0.2	1.3	4.5	1.2	15.8	2.1	4.2	0.5	-7.2	2.9	12.9	19.5	-6.7	-21.7	12.5	11.6	Manufacture of associated nitrogen products
9.2	3.2	-3.1	1.0	3.3	-1.3	3.5	-2.4	12.6	-7.46	-6.0	1.0	-6.7	15.6	14.2	-0.1	1.1	6.1	Manufacture of other chemical products and man-made fibres
15.0	28.6	-26.8	-0.9	42.4	-1.7	3.2	-3.8	9.0	-3.9	-14.8	10.7	-1.1	4.8	3.5	9.7	4.1	16.8	Manufacture of pesticides and other agrochemical products
14.8	-0.4	2.3	2.6	4.2	-0.2	4.6	-1.5	30.1	-0.4	-7.6	-16.0	-24.0	56.0	32.0	5.7	-2.2	7.1	Manufacture of paints, varnishes and similar coatings ink and
-6.3	-2.2	1.2	5.7	11.5	-2.1	5.0	-2.4	5.7	6.4	-11.9	7.1	-2.4	-1.2	-10.1	6.3	10.5	2.5	Manufacture of printing ink
9.1	2.6	-2.2	-1.0	-3.2	0.1	3.5	-4.4	10.4	-17.8	-4.7	13.3	-3.8	14.1	15.4	-11.1	1.2	6.7	Manufacture of soap and detergents, cleaning and polishing preparations
3.7	0.6	0.4	1.9	2.9	-5.0	2.0	0.0	1.8	-1.4	-1.8	-1.8	-0.3	-1.3	-1.0	11.6	4.2	-1.2	Manufacture of perfumes and toilet preparations
27.7	-2.0	-12.1	14.6	-13.5	4.5	8.7	3.5	8.8	-5.8	2.2	5.2	22.7	-20.3	10.5	-18.2	-8.0	12.4	Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
-6.3	2.7	-1.0	-4.6	-1.8	-5.3	5.6	6.1	8.0	-4.5	-3.8	21.3	-9.2	4.4	5.0	-2.5	-1.4	-3.5	Manufacture of pharmaceuticals, medicinal chemical and botanical products
-7.0	5.0	-2.6	-0.3	-0.4	-5.2	8.3	4.6	7.6	-1.7	-2.1	20.9	-10.0	1.4	5.7	-4.0	-1.5	-4.5	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
-3.8	-4.9	4.8	-18.8	-7.8	-5.4	-6.3	13.5	9.8	-17.5	-12.9	24.0	-3.8	21.3	1.5	4.6	-1.2	0.6	Other industry
4.2	1.0	6.5	9.7	-3.9	1.3	10.1	-7.6	47.5	0.2	-7.9	0.1	-6.4	-28.5	-0.5	-1.4	-4.5	-4.2	Manufacture of rubber products
-11.8	1.0	1.7	-2.9	-2.5	-1.0	-13.2	6.8	7.3	-2.6	-18.6	-17.5	365.6	-61.8	-6.5	56.1	-32.9	-0.3	Manufacture of rubber tyres for vehicles
-3.0	-45.4	8.0	-13.6	7.0	-2.1	7.5	-8.7	10.7	0.9	-6.5	-33.3	3.3	29.2	5.2	16.6	7.2	-21.3	Manufacture of interchangeable tyre treads and retreading rubber tyres
-1.5	-16.4	-1.0	6.6	-2.7	4.1	-6.6	-1.8	13.7	-11.8	-7.5	8.8	-20.9	-7.1	4.9	8.7	-3.2	0.01	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
7.8	6.7	8.8	13.2	-5.2	1.4	15.3	-9.9	60.9	1.6	-7.3	-0.2	-17.5	-27.1	-0.9	-9.8	-0.3	-5.1	Rubber remilling and latex processing
6.7	0.9	3.8	-1.0	3.7	-1.8	7.4	-2.2	8.6	-0.1	-9.8	6.1	-10.9	0.4	1.7	8.9	-3.6	-3.4	Manufacture of rubber gloves
-0.6	-0.5	-1.3	2.4	0.6	1.4	3.4	-2.6	11.9	5.9	-5.2	1.3	-2.5	4.7	-2.6	0.3	0.9	1.0	Manufacture of other rubber products n.e.c.
-4.9	1.0	0.5	0.1	-3.0	3.5	7.8	-3.3	10.8	7.2	-3.4	4.4	-3.6	-4.0	-0.2	-3.2	-1.6	-0.2	Manufacture of plastics products
-4.1	1.1	-0.4	2.3	-0.1	0.3	9.1	-5.8	9.1	5.3	-5.1	0.7	8.7	6.0	-8.9	5.7	3.9	-1.2	Manufacture of semi-manufactures of plastic products
7.0	1.0	5.8	-4.3	-1.0	2.3	9.6	-9.6	40.3	4.9	-4.6	11.7	-1.8	8.7	10.8	-11.2	0.6	0.1	Manufacture of finished plastic products
16.1	-21.2	-14.9	19.4	2.2	-5.6	15.2	-13.5	27.3	9.2	-7.8	10.9	-20.7	39.5	6.6	4.3	-10.3	16.3	Manufacture of plastic articles for the packing of goods
2.5	2.0	-1.5	2.4	4.2	1.9	-7.4	3.9	10.3	4.5	-6.4	-4.2	-6.7	5.0	-2.8	-1.0	3.9	-0.1	Manufacture of builders' plastics ware
49.1	3.8	-0.9	13.1	9.4	12.6	-0.2	-6.3	1.5	-11.6	-6.3	-27.2	-18.5	-7.9	29.8	6.0	24.5	2.0	Manufacture of plastic tableware, kitchenware and toilet articles
																		Manufacture of diverse plastic products n.e.c.
49.1	3.8	-0.9	13.1	9.4	12.6	-0.2	-6.3	1.5	-11.6	-6.3	-27.2	-18.5	-7.9	29.8	6.0	24.5	2.0	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021				2020					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-6.5	-47.6	79.4	8.0	5.9	-20.0	-7.0	34.5	-2.7	-4.8	-8.6	-75.2	126.3	58.5
23911	Pembuatan mortar refraktori dan konkrit	-13.1	-50.4	70.5	19.4	20.3	-30.6	-39.8	101.5	-10.3	-2.9	-17.0	-58.3	43.3	16.3
23921	Pembuatan seramik bukan refraktori	-18.0	-26.2	29.1	14.1	16.9	-3.2	-3.0	17.8	-3.6	-1.6	-38.9	-11.8	20.2	15.9
23930	Pembuatan produk porselin dan seramik lain	-11.8	-47.9	108.3	5.3	1.2	-18.9	-21.6	53.8	-11.3	-6.5	6.1	-86.6	253.9	96.9
23941	Pembuatan simen hidrolik	-5.3	-63.0	92.0	10.9	5.1	-17.9	5.9	37.1	-9.2	1.7	-0.4	-89.8	236.8	92.3
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering														
23952	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;														
23953	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	0.7	-41.9	68.4	7.8	2.5	-21.2	-0.9	24.4	11.7	-10.3	-17.1	-67.9	125.2	41.2
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.														
23990	Pembuatan produk mineral bukan logam lain t.t.t.l. Industri lain	-15.3	-40.3	64.4	8.9	19.4	-16.6	3.9	7.8	-18.5	10.0	-6.4	-62.6	62.3	37.4
		-6.3	-35.5	62.7	-7.7	22.1	-25.9	-5.3	44.2	7.0	-3.4	-28.3	-46.0	30.7	74.6
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	-1.5	-51.5	94.9	5.4	-4.0	-20.7	15.6	30.1	-0.2	-2.3	2.1	-76.1	42.9	153.1
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	-3.3	-44.7	74.2	10.6	0.2	-23.8	2.4	34.6	2.8	-5.6	-14.9	-64.2	40.2	105.9
243	Pengacuan logam	20.8	-43.4	60.3	-11.6	-0.9	3.0	-9.9	34.7	17.6	12.3	-9.5	-67.3	113.4	3.6
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	-0.8	-38.9	34.5	15.1	5.1	-13.0	-5.7	29.8	5.0	-13.3	0.3	-60.4	93.6	-0.7
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	-0.4	-41.7	38.8	15.3	6.4	-17.4	-0.8	24.6	6.4	-15.8	2.5	-61.9	92.5	-2.9
25119	Pembuatan produk struktur logam lain														
25120	Pembuatan tangki, takungan dan kontena daripada logam	-0.7	-30.8	23.3	16.5	3.9	0.1	-16.3	45.0	2.7	-6.9	-6.1	-54.8	92.3	3.6
	Industri lain	-7.1	-38.0	36.6	3.8	-13.2	-15.0	-15.5	25.1	-5.6	-5.0	2.1	-67.1	125.9	6.8
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	-0.2	-31.6	27.6	7.0	7.2	-11.6	-16.6	37.0	1.5	-3.6	-6.0	-45.1	39.1	12.3
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-0.03	-48.2	16.6	19.5	18.3	-4.4	-11.0	28.7	4.4	-8.4	-10.5	-47.9	8.0	14.5
25920	Rawatan dan penyalutan logam; menggunakan mesin	-4.1	-29.7	30.7	2.9	40.1	-15.9	-11.9	44.5	1.9	-2.3	-16.7	-47.1	80.1	-2.7
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-4.9	-18.9	3.9	2.8	-3.9	-10.9	-3.1	17.1	-3.6	-2.2	-6.4	-12.2	-11.1	16.1
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam														
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	2.2	-39.7	54.4	6.9	8.3	-22.5	-23.6	56.3	2.2	-1.4	-5.1	-64.8	101.7	15.7
25994	Pembuatan barangan rumah daripada logam	-3.0	-50.8	47.2	1.0	54.9	11.3	-17.6	0.1	0.8	8.6	-23.7	-49.0	12.9	11.7
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	3.4	-19.4	20.5	7.3	-2.7	5.6	-22.4	33.6	5.2	-6.4	1.6	-42.3	55.4	8.3
	Industri lain	-10.9	-4.5	7.6	2.5	11.6	11.4	-6.8	15.6	-8.4	-7.5	-11.3	-23.3	55.5	3.5
261	Pembuatan komponen dan papan elektronik	-2.9	-16.6	30.8	-0.3	4.5	-7.9	20.8	5.9	-3.0	-6.6	-3.2	-36.4	33.1	34.4
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	-3.4	-16.1	26.8	3.0	0.8	-7.1	16.4	11.8	-3.3	-9.7	-2.1	-33.0	28.5	29.6
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro														
26103	Pembuatan kapasitor dan perintang elektrik														
26104	Pembuatan papan litar bercetak	-2.0	-19.2	36.6	-5.2	11.7	-10.0	28.2	-2.8	-3.2	-1.3	-4.9	-42.4	39.0	42.7
26105	Pembuatan komponen paparan														
26109	Pembuatan komponen lain untuk aplikasi elektronik	-4.6	15.1	38.5	1.1	-9.9	3.8	10.8	14.3	5.9	-11.2	-1.7	-21.9	60.8	27.3
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	-4.6	-18.3	43.7	-6.1	-2.0	12.4	-29.7	32.7	-3.1	12.3	-9.1	-29.1	-4.2	66.2
263/ 26300	Pembuatan peralatan komunikasi	0.4	-6.8	26.3	-11.0	-3.5	-19.8	-4.9	19.6	-1.6	-11.4	10.9	-31.4	25.5	36.4
264/ 26400	Pembuatan peralatan elektronik pengguna	-17.0	-35.3	98.3	-10.6	-4.1	-9.9	2.5	28.9	-9.8	-4.8	2.6	-61.3	19.3	136.8
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	-3.7	-0.2	33.2	-7.5	-6.7	-13.1	24.8	23.6	0.3	-26.7	10.8	-32.2	53.6	34.9
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	-3.4	2.0	31.7	-8.9	-7.8	-14.2	27.3	20.9	0.3	-28.0	12.4	-32.1	58.1	33.9
26512	Pembuatan kelengkapan kawalan proses perindustrian														
26520	Pembuatan jam tangan dan jam dan bahagiannya	-5.7	-17.7	47.5	4.7	1.8	-5.2	8.5	43.7	1.1	-15.4	-0.4	-32.4	16.8	46.7
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-2.4	-11.3	26.2	-3.5	18.4	9.9	2.3	-32.2	-4.8	-3.6	10.1	-31.4	20.6	23.0

2021																		Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
13.4	0.6	1.1	1.1	6.1	4.8	3.2	-6.0	5.0	-10.4	-8.1	-20.7	2.1	12.8	5.0	13.5	13.3	4.2	Manufacture of non-metallic mineral products n.e.c.
																		Manufacture of refractory mortars and concretes
35.6	3.0	3.2	1.1	12.5	16.4	8.5	-7.2	5.7	-22.2	-2.2	-31.8	-44.5	49.4	21.1	40.9	15.6	7.7	Manufacture of non-refractory ceramic
-0.4	16.9	0.5	2.0	1.6	14.8	6.8	0.3	-2.1	4.2	-0.5	-16.6	-5.8	19.5	9.8	3.4	2.3	-0.2	Manufacture of other porcelain and ceramic products
14.1	0.2	1.1	0.8	4.7	1.7	-1.1	-2.4	4.0	-5.5	-9.9	-30.0	0.6	5.6	1.6	32.7	17.3	2.8	Manufacture of hydraulic cement
8.0	0.04	-2.5	-0.1	15.5	6.8	-1.5	-6.3	6.3	-11.8	-4.9	-16.9	0.6	20.7	19.6	6.0	13.7	-0.3	Manufacture of ready-mix and dry-mix concrete and mortars
																		Manufacture of precast concrete, cement or artificial stone articles for use in construction
12.6	-0.1	2.8	0.5	7.0	2.0	3.3	-8.0	4.0	-11.0	-9.3	-16.5	8.7	11.1	-1.4	7.2	14.9	8.7	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
																		Manufacture of other articles of concrete, cement and plaster n.e.c.
16.3	0.0	7.6	6.6	-8.6	10.1	18.5	-8.3	9.6	-14.0	-2.8	-12.9	11.7	4.5	0.8	6.1	0.2	-1.6	Manufacture of other non-metallic mineral products n.e.c.
15.0	1.7	-18.4	3.2	-3.7	14.8	9.9	-0.6	9.8	-9.8	-26.5	-19.8	-5.2	38.0	12.9	11.8	10.4	4.8	Other industry
2.4	2.9	11.9	-0.3	-5.0	2.2	4.6	-13.0	2.6	0.2	-18.3	-22.6	-4.2	58.8	31.4	-1.6	-1.7	-0.5	Manufacture of basic iron and steel
-0.7	6.1	8.8	1.7	1.5	-0.2	-1.8	2.3	0.0	-6.8	-20.0	-20.8	-9.4	52.1	19.6	4.2	2.5	3.0	Manufacture of basic precious and other non-ferrous metals
32.2	-6.9	7.7	-7.8	-9.7	-0.1	5.4	-7.5	7.7	21.8	-6.9	-41.2	-0.1	45.5	12.0	6.2	4.8	8.0	Casting of metals
13.0	1.7	-2.6	8.1	5.1	12.5	2.8	-11.9	3.5	0.5	-6.0	-24.1	-2.2	21.7	12.5	7.8	3.1	8.8	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
																		Manufacture of metal doors, windows and their frames, shutters and gates
18.3	1.7	-2.6	7.9	3.6	16.7	3.4	-13.4	3.6	0.2	-7.2	-34.3	16.7	15.1	20.1	1.4	1.5	10.7	Manufacture of other structural metal products
1.6	1.2	-2.8	10.1	9.4	3.1	2.1	-4.9	0.7	2.6	-3.1	2.3	-34.0	43.4	-5.8	28.1	5.9	5.1	Manufacture of tanks, reservoirs and containers of metal
4.9	3.8	-1.5	0.1	3.7	3.1	-4.4	-28.4	29.1	-10.3	-4.0	-22.0	-5.9	6.1	11.7	1.8	16.3	3.3	Other industry
4.8	3.9	0.4	1.1	1.1	10.3	3.3	-5.2	1.3	6.8	-11.3	-30.1	-4.0	13.6	21.5	11.5	4.0	5.0	Manufacture of other fabricated metal products; metal working service activities
-5.0	15.4	-1.6	0.8	1.2	40.5	-1.1	-10.3	10.6	0.5	-0.2	-22.5	-0.1	0.8	17.4	8.2	8.4	3.7	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
12.7	-0.2	1.9	-2.9	1.8	10.5	23.4	5.1	6.4	-4.0	-19.0	-16.7	-11.9	24.9	14.8	20.1	3.7	1.4	Treatment and coating of metals; machining
-3.5	1.6	1.6	-0.8	0.7	4.8	-1.0	-8.7	-0.9	-1.1	-10.5	1.8	-14.7	15.0	17.3	-3.6	5.0	4.7	Manufacture of tins and cans for food products, collapsible tubes and boxes
																		Manufacture of metal cable, plaited bands and similar articles
15.6	3.3	-0.3	2.8	0.3	8.7	6.3	-4.3	-2.5	-4.8	0.4	-48.2	-1.5	20.8	28.7	20.9	3.1	6.6	Manufacture of bolts, screws, nuts and similar threaded products
23.3	9.0	2.6	-5.1	-4.3	14.5	14.9	1.8	71.0	1.2	-5.4	-54.7	58.2	-4.9	-1.5	-1.4	5.0	2.9	Manufacture of metal household articles
-1.8	4.0	1.0	1.0	3.7	5.1	-4.1	-3.3	-2.3	49.8	-30.8	-30.4	1.7	8.8	24.7	9.4	2.1	5.8	Manufacture of any other fabricated metal products n.e.c.
-7.8	1.0	0.1	4.2	-3.9	1.5	18.1	-23.9	42.4	11.3	-9.2	-20.5	10.4	5.6	-3.3	13.3	3.7	0.1	Other industry
2.8	-5.1	3.4	-1.9	-1.3	6.2	-0.4	0.6	2.8	-11.8	-2.9	12.9	2.9	7.5	12.5	-5.1	-2.9	9.0	Manufacture of electronic components and boards
																		Manufacture of diodes, transistors and similar semiconductor devices
2.6	-6.4	6.4	-1.2	0.2	6.4	-1.0	-5.4	4.2	-10.0	-3.9	15.8	3.4	1.2	8.4	5.3	-2.6	6.5	Manufacture of electronic integrated circuits micro assemblies
																		Manufacture of electrical capacitors and resistors
3.3	-4.0	-0.4	-3.2	-3.7	6.5	1.5	10.2	0.4	-14.4	-2.1	9.4	3.1	16.9	17.2	-17.8	-3.6	13.3	Manufacture of printed circuit boards
																		Manufacture of display components
1.0	6.5	-1.2	0.03	0.2	-0.7	-12.0	-1.0	10.5	-8.6	6.9	6.0	-10.2	12.2	21.4	-5.2	1.6	5.2	Manufacture of other components for electronic applications
11.4	-11.1	11.1	-1.6	-13.2	4.9	-7.7	8.6	6.2	20.1	-23.9	13.7	-16.7	-7.1	-32.0	91.6	-13.8	9.8	Manufacture of computers and peripheral equipment
3.6	-11.5	6.2	-12.4	-3.3	12.3	-4.5	-10.6	5.8	-26.4	-5.1	39.3	-29.9	5.0	24.6	1.9	0.9	-0.4	Manufacture of communication equipment
13.1	1.4	8.5	-8.0	-15.3	6.6	-2.4	-0.4	0.3	-7.6	-4.7	2.1	-32.9	71.8	9.3	7.0	1.7	-8.4	Manufacture of consumer electronics
2.9	1.0	-14.0	-1.7	-7.4	28.6	-3.4	-28.3	13.1	-11.1	-3.9	12.8	-2.4	21.6	12.8	-1.5	-0.6	29.5	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
																		Manufacture of measuring, testing, navigating and control equipment
2.5	1.1	-16.9	-1.8	-6.5	29.9	-3.5	-31.1	14.4	-11.7	-3.5	12.5	-1.9	25.3	11.2	-4.7	-2.4	37.6	Manufacture of industrial process control equipment
6.3	-0.2	14.6	-0.3	-13.7	18.3	-2.4	-5.0	4.9	-7.1	-6.1	14.7	-5.1	-2.7	26.2	22.5	9.5	-12.0	Manufacture of watches and clocks and parts
3.7	0.6	1.4	-4.0	-8.2	15.8	20.3	-16.0	9.4	-1.5	-4.2	45.3	-10.1	-20.6	18.8	6.6	-58.5	3.8	Manufacture of irradiation, electromedical and electrotherapeutic equipment

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		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	-12.2	-4.5	49.1	-3.1	-10.0	3.5	-3.2	50.7	-3.0	-4.7	-10.7	-38.5	68.2	44.5
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-9.7	-18.0	43.8	-3.2	-4.2	10.6	4.0	16.5	-4.1	-4.3	-2.9	-42.2	46.5	32.3
	27101 Pembuatan motor elektrik, penjana dan transformer	-7.4	-3.4	42.5	-4.6	-11.4	8.2	7.6	9.7	-9.5	-5.6	3.1	-32.3	37.9	37.7
	27102 Pembuatan perkakasan pengagihan dan pengawalan	-10.8	-25.8	44.6	-2.2	0.6	12.1	1.9	20.6	-1.0	-3.6	-5.9	-47.8	52.8	28.7
272/ 27200	Pembuatan bateri dan akumulator	-12.7	35.3	7.1	-17.1	-21.9	25.2	20.8	-9.1	-0.8	-13.8	-12.0	22.9	27.1	20.7
273	Pembuatan pendawaian dan peranti pendawaian	-21.0	-34.8	60.8	6.5	-2.9	7.7	3.6	11.9	-9.5	-11.3	-8.1	-52.7	42.6	50.4
	27310 Pembuatan kabel gentian optikal	-11.4	-19.3	27.7	-0.2	3.4	-0.1	36.1	15.1	-4.1	7.7	-11.7	-30.5	5.7	55.1
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	-22.0	-35.1	62.4	6.7	-4.1	6.7	3.1	12.6	-10.5	-12.1	-6.6	-52.7	39.9	51.4
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-7.6	-36.7	54.5	6.1	15.3	24.4	-0.8	1.0	6.8	-6.7	-27.3	-63.9	145.2	34.7
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-2.8	50.2	36.1	-27.3	-12.2	6.9	4.0	17.9	-0.4	-8.2	-1.3	-30.9	83.5	114.7
275/ 27500	Pembuatan perkakasan domestik	-5.1	-36.0	64.7	-2.8	-7.5	1.1	4.9	15.5	0.6	-7.0	1.4	-42.4	-18.3	91.6
279/ 27900	Pembuatan kelengkapan elektrik lain	-13.1	3.4	35.3	-4.6	-9.7	15.0	4.4	8.6	3.3	-9.0	0.6	-44.7	98.4	40.6
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-4.3	-6.3	19.4	-4.0	-1.6	19.7	-5.6	7.1	-3.4	-0.03	-0.9	-34.0	31.1	50.8
	28120 Pembuatan alat-alat kuasa bendalir														
	& 28130 Pembuatan pam, pemampat, kepala paip dan injap lain	-5.4	-41.9	42.0	10.0	-1.7	22.2	-9.3	21.6	7.0	-11.4	-0.4	-60.4	48.8	42.1
	28180 Pembuatan alatan tangan yang menggunakan kuasa														
	& dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	1.1	5.2	11.7	-7.1	12.1	24.1	-10.5	4.0	4.5	-5.2	-8.7	-38.9	107.4	21.9
	28220 Pembuatan jentera pembentukan logam dan alatan mesin														
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	0.3	8.9	22.0	-7.8	1.8	13.8	-6.4	10.8	-1.8	1.4	0.4	-16.5	-2.3	95.2
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-7.2	-2.4	-2.9	-2.1	-24.6	35.4	-7.6	2.0	-10.5	12.7	-4.0	-11.1	-16.2	69.5
		-10.0	-22.8	41.4	-1.2	-1.8	13.5	2.7	5.4	-8.8	-2.1	7.2	-56.2	76.0	32.1
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-21.7	-44.0	162.0	10.1	-26.9	-17.3	5.4	64.2	-14.6	-6.5	-15.2	-97.7	2,098.8	173.8
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	7.9	32.7	27.4	-17.2	7.7	13.8	-27.1	58.1	16.9	-7.1	-6.3	-43.4	133.9	79.6
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-9.9	-15.2	50.6	-0.8	-2.1	-10.2	-11.6	29.1	8.8	-7.1	-13.3	-42.4	71.8	33.0
301 (30110 & 30120)	Pembinaan kapal dan bot	-4.2	-76.5	239.6	45.4	-3.0	-5.3	7.9	27.8	0.1	-19.9	32.8	-96.3	16.1	1,199.8
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	-3.6	-28.2	23.0	5.4	0.8	-14.8	-17.3	39.8	2.2	-7.6	-4.5	-58.0	110.1	11.1
	30910 Pembuatan motosikal	16.7	-70.2	51.9	15.5	12.1	-10.4	-29.5	33.0	23.3	4.5	-20.3	-88.4	236.8	34.9
	30920 Pembuatan basikal dan invalid carriages	-21.4	23.9	44.0	7.9	-11.1	-20.3	-6.3	40.8	-20.8	-1.5	-30.0	-29.9	170.2	16.9
	Industri lain	-10.2	-9.7	7.0	0.3	2.9	-14.2	-16.3	42.1	-2.1	-18.9	20.8	-43.9	76.9	2.6
310	Pembuatan perabot	-6.9	-46.0	95.3	4.2	-4.3	-31.3	-11.0	65.9	-1.5	-7.3	0.9	-92.2	567.4	102.2
	31001 Pembuatan perabot kayu dan rotan	-3.5	-52.1	104.7	4.0	-5.9	-40.5	-21.5	65.1	-1.6	-8.1	9.4	-93.7	484.1	160.6
	Industri lain	-14.1	-31.5	79.4	4.5	-1.3	-14.6	2.3	66.7	-1.5	-5.5	-17.5	-87.9	692.5	37.5
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	2.8	-54.4	107.7	2.3	5.0	4.3	-57.3	99.6	5.6	-6.5	0.0	-88.5	244.4	124.1
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	3.0	-11.0	19.8	-5.8	2.4	-1.0	2.7	9.6	7.0	-9.8	-7.8	-33.8	59.3	14.4
	32901 Pembuatan alat tulis	-1.8	-13.0	19.6	-5.7	18.1	1.5	-15.3	5.6	2.8	-8.7	1.3	-49.1	86.1	28.1
	Industri lain	4.7	-10.4	19.9	-5.9	-2.5	-1.9	9.7	10.8	8.3	-10.2	-10.6	-28.5	52.7	10.3
323/ 32300	Pembuatan barangan sukan	-0.8	38.8	0.6	-11.5	-17.1	5.0	-37.4	34.8	-13.2	18.8	-6.0	2.8	41.7	11.3
324/ 32400	Pembuatan permainan dan mainan	-20.5	-38.1	57.8	0.1	-12.3	6.7	-12.2	41.2	-9.2	-9.2	-7.2	-89.5	676.9	36.0
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-5.4	-38.8	79.6	-6.0	-2.7	-21.0	4.1	35.3	1.1	-7.5	17.0	-70.6	42.8	135.1
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	-32.9	15.6	77.7	-12.9	-6.1	-22.2	10.7	34.1	-47.4	21.6	30.2	-44.4	24.0	122.1
	Industri lain	5.3	-52.3	80.8	-2.0	-0.9	-20.4	0.9	36.0	22.1	-13.0	13.6	-78.4	57.3	143.0
Jumlah Pembuatan		-4.6	-16.9	27.2	2.1	0.5	2.6	1.1	11.8	-1.0	-5.7	-1.0	-31.2	18.1	30.5

2021																		Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
4.5	0.3	-0.2	0.5	-4.7	-1.3	-2.8	-5.3	-4.5	8.2	-12.7	30.8	-31.9	21.4	26.8	30.2	-12.4	7.9	Manufacture of optical instruments, photographic equipment, magnetic and optical media
9.6	0.6	-3.1	2.5	-4.7	-2.0	1.2	-10.8	16.1	8.9	-10.7	9.6	-11.9	21.1	3.2	4.8	-0.7	9.3	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
8.9	1.2	-7.6	5.0	-6.6	-0.6	-6.3	-10.9	15.1	8.5	-14.8	15.5	-1.0	7.9	-2.4	4.8	-2.9	17.7	Manufacture of electric motors, generators and transformers
10.0	0.3	0.1	0.9	-3.4	-3.0	6.2	-10.8	16.8	9.1	-8.3	6.5	-18.2	30.4	6.4	4.8	0.5	4.9	Manufacture of electricity distribution and control apparatus
-7.8	1.1	-14.0	5.8	-16.2	-9.6	5.4	-26.4	8.7	22.4	-6.7	40.1	-6.6	16.9	-11.3	2.1	-5.7	-14.1	Manufacture of batteries and accumulators
14.6	-0.7	0.4	8.0	-2.7	1.0	0.7	-6.0	2.1	8.7	-2.9	5.3	-4.1	5.8	4.6	7.6	-0.8	-1.2	Manufacture of wiring and wiring devices
-14.9	17.8	2.2	0.6	-14.1	8.2	10.6	-13.2	8.0	8.5	-14.3	4.7	37.7	-2.9	9.2	10.3	-13.5	29.1	Manufacture of fibre optic cables
16.0	-0.9	0.4	8.7	-3.2	0.9	-0.1	-5.7	0.8	8.6	-2.5	4.1	-5.2	7.3	5.4	7.1	-0.9	-0.4	Manufacture of other electronic and electric wires and cables
9.1	-4.8	-0.6	0.4	11.7	0.5	9.4	-7.0	19.5	9.8	-4.6	20.1	-3.5	-7.5	-7.5	13.2	6.8	-22.2	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
4.4	-38.4	1.7	5.5	-31.8	14.7	-4.5	-13.1	18.4	7.0	-12.6	7.9	-23.8	45.2	12.1	25.5	-30.7	-4.5	Manufacture of electric lighting equipment
19.7	0.3	-3.4	1.9	-3.2	-1.2	-2.6	-3.3	-2.8	8.0	-7.6	5.1	-1.3	8.9	-1.0	9.1	2.9	5.1	Manufacture of domestic appliances
-6.8	0.6	-0.7	0.8	-5.7	-3.8	1.8	-13.4	6.4	12.6	-3.3	16.1	-15.9	14.9	10.1	-3.8	-1.2	7.1	Manufacture of other electrical equipment
-8.3	-8.0	-1.8	0.5	-1.4	1.6	-3.7	0.5	3.9	19.9	-9.3	11.2	-21.5	23.8	0.02	0.6	-0.1	-1.0	Manufacture of general-purpose and special-purpose machinery
2.6	0.3	0.5	9.5	-2.2	4.5	-35.8	64.4	12.5	8.2	-11.0	-4.1	-41.7	100.4	-0.3	7.3	-8.5	0.8	Manufacture of fluid power equipment
-7.3	-16.3	-0.5	0.5	-0.4	-2.9	18.5	-3.3	-3.8	31.0	-5.3	5.9	-8.4	-6.4	0.3	9.8	-5.5	1.0	Manufacture of other pumps, compressors, taps and valves
-9.2	-10.0	-7.0	0.9	5.5	-11.5	15.0	-9.9	3.6	19.6	-13.6	18.6	-43.3	89.0	-6.5	-0.7	2.2	-10.1	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
-21.4	-9.0	1.4	1.4	-15.7	33.1	-37.2	3.9	8.9	25.5	-17.8	46.1	-22.9	-1.2	4.3	-1.5	-1.0	5.4	Manufacture of air-conditioning machines, including for motor vehicles
1.6	1.9	0.3	-2.5	-0.2	2.0	-7.9	4.4	7.0	11.0	-3.5	-3.9	-2.8	11.7	5.6	-6.7	5.9	3.6	Manufacture of other special-purpose machinery n.e.c.
24.6	-2.5	-4.7	5.7	10.9	3.5	-30.1	-4.7	6.4	-0.1	-14.7	-33.3	32.5	0.5	37.5	29.2	9.2	-6.4	Other industry
-12.6	-15.0	-10.0	-11.6	9.5	1.0	2.4	-14.1	38.1	24.0	-21.8	-26.4	-15.1	7.4	34.7	30.8	0.5	-6.9	Manufacture of motor vehicles
14.3	0.3	-12.0	5.7	3.4	0.1	-8.3	-0.1	17.0	-7.4	-8.4	-22.1	4.6	7.6	-3.4	27.4	5.4	-6.6	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
22.6	0.1	16.6	40.5	-8.1	-3.1	1.2	-3.2	8.9	8.0	-31.2	20.2	-10.1	22.5	16.1	19.1	-7.8	-10.2	Manufacture of parts and accessories for motor vehicles
-5.9	2.5	-0.6	-1.6	13.1	-5.3	3.4	-14.2	23.6	-3.9	-22.8	-13.6	-10.2	16.9	2.6	15.4	21.2	-1.9	Building of ships and boats
2.1	-2.4	-3.5	6.9	10.7	11.9	3.0	-9.6	14.3	2.2	-12.8	-28.8	-6.7	2.1	-0.9	8.5	30.7	4.5	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
3.7	1.2	-0.8	10.4	-2.7	-1.1	0.2	-31.1	47.6	-7.0	-12.1	-54.2	9.6	86.5	6.2	11.3	2.1	5.3	Manufacture of motorcycles
-13.1	5.2	0.6	-11.0	24.4	-14.1	5.4	-7.1	18.0	-5.1	-33.0	23.2	-16.4	0.3	2.0	20.8	28.9	-7.7	Manufacture of bicycles and invalid carriages
1.7	0.6	-0.1	5.2	-1.6	0.1	0.0	-9.3	7.8	-24.3	-2.4	-28.1	-27.4	57.5	33.7	15.4	10.2	-0.8	Other industry
-1.4	0.7	-0.5	6.2	-3.3	0.9	-3.7	-7.0	9.4	-35.5	-2.8	-28.0	-28.1	46.3	16.6	18.2	20.3	0.6	Manufacture of furniture
8.2	0.5	0.6	3.2	1.7	-1.4	7.1	-13.3	4.7	-2.9	-1.8	-28.2	-26.6	71.3	51.8	13.2	1.6	-2.2	Manufacture of wooden and cane furniture
2.6	8.6	1.5	-0.8	-1.1	0.6	15.6	-15.7	4.5	35.3	-9.6	-47.0	-58.3	27.2	121.9	10.9	13.9	-2.7	Other industry
-4.7	2.7	-0.9	-7.7	1.0	3.1	-0.5	-2.4	6.5	2.1	-4.6	-9.8	3.5	9.0	6.4	1.5	-0.8	4.3	Manufacture of jewellery, bijouterie and related articles
-8.6	1.0	-13.9	3.4	1.6	-1.0	12.1	-0.8	18.3	-4.1	-0.7	-13.3	-10.6	17.6	-18.0	11.3	2.0	4.9	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-3.3	3.2	3.3	-10.7	0.8	4.4	-4.3	-2.9	2.3	4.7	-6.1	-8.5	8.8	6.3	14.8	-0.9	-1.6	4.1	Manufacture of stationery
-11.8	-5.1	-0.8	-2.3	-0.3	-21.5	-7.7	1.0	16.7	6.2	-2.9	-27.4	-27.3	3.7	18.7	1.0	26.7	0.5	Other industry
-3.4	-0.8	0.4	1.2	-1.9	0.5	-22.6	-2.6	47.4	10.7	-4.5	-65.1	89.1	-18.3	67.5	11.1	-0.7	-2.9	Manufacture of sports goods
3.7	-1.1	0.7	-4.7	3.6	-11.3	2.0	-7.1	22.6	-9.5	-31.7	-2.3	3.6	10.3	30.3	6.1	11.7	-8.1	Manufacture of games and toys
22.8	-20.4	4.0	-3.3	0.4	-15.4	5.3	-20.4	50.7	-12.7	-38.5	-0.9	4.9	9.2	61.1	-7.5	9.9	-2.4	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
-6.9	13.0	-1.0	-5.4	5.3	-9.2	0.4	-0.2	11.1	-7.7	-28.1	-3.0	3.0	10.9	16.0	14.8	12.6	-11.0	Repair and maintenance of transport equipment except motorcycles and bicycles
2.0	-0.6	2.3	0.6	-1.7	3.9	-1.4	-3.6	7.2	2.9	-6.1	1.3	-3.6	5.5	6.9	3.9	1.2	1.1	Other industry
2.0	-0.6	2.3	0.6	-1.7	3.9	-1.4	-3.6	7.2	2.9	-6.1	1.3	-3.6	5.5	6.9	3.9	1.2	1.1	Total Manufacturing

Jadual **1.5a** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan
Table : Number of Paid Employees of Manufacturing Sector by Group

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2021	2020				2021		
					Q1	Q2	Q3	Q4	Q1	Q2	Q3
101	Pemprosesan dan pengawetan daging	13,393	12,814	12,960	13,127	12,857	13,232	12,814	13,037	13,006	13,491
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	17,165	15,575	15,912	16,475	15,905	15,933	15,575	16,315	15,839	15,917
	10201 Pengetinan ikan, krustasea dan moluska										
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	14,421	13,406	13,320	13,950	13,692	13,671	13,406	13,913	13,579	13,478
	Industri lain	2,744	2,169	2,592	2,525	2,213	2,261	2,169	2,402	2,260	2,439
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	10,622	11,201	10,179	11,631	12,237	11,266	11,201	11,339	11,265	10,290
	10303 Pengetinan nanas	1,015	1,115	551	1,045	1,038	1,115	1,115	1,129	1,109	546
	10304 Pembuatan jem, marmalad dan sajian jeli										
	Industri lain	9,606	10,085	9,628	10,586	11,200	10,151	10,085	10,210	10,156	9,744
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	78,304	77,283	79,500	78,905	80,319	79,604	77,283	77,416	77,731	79,380
	10404 Pembuatan minyak sayuran mentah dan bertapis										
	10406 Pembuatan sebatian lemak masakan	3,698	3,633	3,832	3,780	3,533	3,659	3,633	3,686	3,657	3,657
	10405 Pembuatan minyak kelapa	2,401	2,356	2,424	2,336	2,344	2,354	2,356	2,388	2,363	2,362
	Industri lain	72,205	71,293	73,243	72,788	74,442	73,591	71,293	71,342	71,711	73,361
105	Pembuatan produk tenusu	13,506	12,943	13,179	13,124	13,309	13,439	12,943	13,757	13,848	13,864
	10502 Pembuatan susu pekat, tepung dan sejat	10,279	9,487	9,781	9,768	9,689	9,851	9,487	10,152	10,194	10,245
	Industri lain	3,227	3,456	3,398	3,356	3,620	3,588	3,456	3,604	3,654	3,619
106	Pembuatan produk bijian, kanji dan produk berkanji	10,186	10,286	10,808	10,627	10,306	10,329	10,286	10,535	10,530	10,852
	10611 Pengilangan beras	4,608	4,638	4,849	4,838	4,715	4,762	4,638	4,881	4,832	5,157
	10613 Pengilangan tepung	4,564	4,630	4,889	4,693	4,613	4,611	4,630	4,640	4,710	4,729
	Industri lain	1,014	1,017	1,070	1,097	978	956	1,017	1,014	988	966
107	Pembuatan produk makanan lain	113,405	115,937	123,320	115,858	116,324	116,925	115,937	121,149	121,787	122,231
	10711 Pembuatan biskut dan cookies	11,534	12,112	14,344	11,802	12,110	12,289	12,112	11,993	11,983	11,983
	10712 Pembuatan roti, kek dan produk bakeri lain	29,591	28,158	30,260	29,805	28,496	28,624	28,158	28,682	30,085	30,498
	10713 Pembuatan produk snek	9,007	8,757	8,428	9,020	8,910	8,743	8,757	8,860	8,815	8,428
	10721 Pembuatan gula	2,061	1,823	1,765	2,041	2,047	1,818	1,823	1,818	1,799	1,822
	10731 Pembuatan produk koko	2,762	2,714	2,576	2,808	2,954	2,965	2,714	2,679	2,634	2,603
	10732 Pembuatan coklat dan produk coklat										
	10733 Pembuatan konfeksi gula	9,899	8,727	8,033	9,448	9,010	8,989	8,727	8,676	8,561	8,433
	10793 Pembuatan sos dan bahan perasa	8,220	8,441	9,997	8,110	8,368	8,456	8,441	9,512	9,316	9,413
	10799 Pembuatan produk makanan lain t.t.t.l.	11,662	12,699	13,664	11,563	12,032	12,179	12,699	14,596	14,380	14,432
	Industri lain	28,669	32,506	34,254	31,262	32,398	32,862	32,506	34,333	34,213	34,619
108/ 10800	Pembuatan makanan haiwan tersedia	18,775	17,920	14,893	19,028	18,858	19,003	17,920	17,733	17,700	15,829
110	Pembuatan minuman ringan	17,552	15,681	15,951	18,029	15,968	15,917	15,681	16,115	15,637	16,029
	11041 Pembuatan minuman ringan	11,346	10,302	10,302	11,857	10,480	10,399	10,302	10,327	10,195	10,108
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	4,687	4,144	3,995	4,626	4,228	4,238	4,144	4,227	3,960	4,063
	Industri lain	1,519	1,234	1,653	1,547	1,260	1,280	1,234	1,560	1,482	1,859
120/ 12000	Pembuatan produk tembakau	1,598	1,160	1,199	1,618	979	1,076	1,160	1,412	1,151	1,196
131	Pemintalan, penenunan dan penyiapan tekstil	14,420	13,348	13,289	14,524	14,020	13,556	13,348	13,445	13,081	13,173
	13110 Penyediaan dan pemintalan gentian tekstil										
	13120 Penenunan tekstil	10,050	9,775	9,209	10,137	10,008	9,904	9,775	9,712	9,494	9,252
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3,465	2,880	3,647	3,578	3,280	2,906	2,880	3,054	3,055	3,373
	Industri lain	904	693	433	809	732	746	693	679	532	548
139	Pembuatan tekstil lain	13,928	13,350	14,450	14,178	13,754	13,629	13,350	13,939	13,946	14,120
	13910 Pembuatan fabrik dikait dan dikrusye	5,639	5,321	5,901	5,639	5,405	5,428	5,321	5,448	5,592	5,721
	Industri lain	8,289	8,030	8,548	8,539	8,349	8,201	8,030	8,492	8,354	8,400
141	Pembuatan pakaian, kecuali pakaian berbulu	51,872	40,706	41,493	53,364	48,369	42,449	40,706	40,980	39,166	38,661
	14102 Pembuatan pakaian	39,551	29,245	30,181	40,554	36,534	30,868	29,245	29,357	28,689	28,387
	Industri lain	12,321	11,461	11,312	12,811	11,835	11,581	11,461	11,623	10,477	10,273
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1,591	1,213	981	1,677	1,311	1,204	1,213	1,161	1,152	963
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	5,673	5,675	6,113	5,699	5,407	5,512	5,675	5,720	5,553	5,918
152	Pembuatan kasut	6,486	6,159	6,175	6,628	6,428	6,125	6,159	6,295	6,073	6,067
	15201 Pembuatan kasut kulit										
	15203 Pembuatan kasut getah	3,717	3,469	3,399	3,773	3,521	3,378	3,469	3,486	3,312	3,238
	Industri lain	2,769	2,690	2,776	2,854	2,907	2,746	2,690	2,809	2,760	2,829
161/ 16100	Pengilangan dan pengetaman kayu	26,241	24,555	25,587	26,509	24,284	24,685	24,555	24,769	22,858	25,401

Q4	2020	2021	2020								Group Description/Period
	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Oct.	
12,960	12,814	12,960	12,989	13,157	13,127	13,061	12,970	12,857	12,821	12,819	Processing and preserving of meat
15,912	15,575	15,912	16,307	16,625	16,475	15,281	15,397	15,905	15,927	15,914	Processing and preserving of fish, crustaceans and molluscs
											Canning of fish, crustaceans and molluscs
13,320	13,406	13,320	13,602	13,976	13,950	13,201	13,280	13,692	13,643	13,636	Processing, curing and preserving of fish, crustacean and molluscs
2,592	2,169	2,592	2,705	2,650	2,525	2,080	2,118	2,213	2,284	2,278	Other industry
10,179	11,201	10,179	12,202	12,028	11,631	13,343	12,246	12,237	11,477	11,576	Processing and preserving of fruits and vegetable
											Pineapple canning
551	1,115	551	1,084	1,060	1,045	1,021	1,037	1,038	1,139	1,090	Manufacture of jams, marmalades and table jellies
9,628	10,085	9,628	11,119	10,968	10,586	12,322	11,210	11,200	10,338	10,486	Other industry
79,500	77,283	79,500	80,738	80,608	78,905	79,788	79,481	80,319	79,724	79,840	Manufacture of vegetable and animal oils and fats
											Manufacture of crude and refined vegetable oil
3,832	3,633	3,832	3,914	3,735	3,780	3,461	3,339	3,533	3,630	3,623	Manufacture of compound cooking fats
2,424	2,356	2,424	2,425	2,334	2,336	2,339	2,336	2,344	2,341	2,354	Manufacture of coconut oil
73,243	71,293	73,243	74,399	74,539	72,788	73,988	73,806	74,442	73,753	73,863	Other industry
13,179	12,943	13,179	13,873	13,708	13,124	13,200	13,317	13,309	13,323	13,422	Manufacture of dairy products
9,781	9,487	9,781	10,381	10,334	9,768	9,627	9,728	9,689	9,732	9,829	Manufacture of condensed, powdered and evaporated milk
3,398	3,456	3,398	3,492	3,374	3,356	3,573	3,588	3,620	3,591	3,593	Other industry
10,808	10,286	10,808	10,629	10,560	10,627	10,614	10,471	10,306	10,305	10,253	Manufacture of grain mill products, starches and starch products
4,849	4,638	4,849	4,862	4,829	4,838	4,856	4,753	4,715	4,728	4,706	Rice milling
4,889	4,630	4,889	4,685	4,644	4,693	4,625	4,616	4,613	4,620	4,584	Flour milling
1,070	1,017	1,070	1,082	1,088	1,097	1,133	1,103	978	957	963	Other industry
123,320	115,937	123,320	116,570	115,752	115,858	114,628	114,723	116,324	116,743	116,339	Manufacture of other food products
14,344	12,112	14,344	12,014	11,845	11,802	12,108	12,015	12,110	12,394	12,357	Manufacture of biscuits and cookies
30,260	28,158	30,260	30,367	29,842	29,805	28,787	28,220	28,496	28,657	28,313	Manufacture of bread, cakes and other bakery products
8,428	8,757	8,428	9,210	9,083	9,020	9,033	9,022	8,910	9,019	9,004	Manufacture of snack products
1,765	1,823	1,765	2,068	2,049	2,041	2,036	2,044	2,047	1,804	1,810	Manufacture of sugar
2,576	2,714	2,576	2,841	2,788	2,808	2,780	2,789	2,954	2,957	2,954	Manufacture of cocoa products
											Manufacture of chocolate and chocolate products
8,033	8,727	8,033	9,442	9,617	9,448	9,274	8,985	9,010	8,930	8,927	Manufacture of sugar confectionery
9,997	8,441	9,997	8,004	8,097	8,110	8,144	8,186	8,368	8,373	8,360	Manufacture of sauces and condiments
13,664	12,699	13,664	11,599	11,591	11,563	11,318	11,406	12,032	12,130	12,167	Manufacture of other food products n.e.c.
34,254	32,506	34,254	31,024	30,840	31,262	31,147	32,056	32,398	32,480	32,447	Other industry
14,893	17,920	14,893	19,346	19,321	19,028	18,345	18,513	18,858	18,937	18,946	Manufacture of prepared animal feeds
15,951	15,681	15,951	18,066	18,142	18,029	16,375	16,087	15,968	16,198	16,161	Manufacture of beverages
10,302	10,302	10,302	11,845	11,954	11,857	10,564	10,607	10,480	10,582	10,584	Manufacture of soft drinks
3,995	4,144	3,995	4,645	4,646	4,626	4,299	4,239	4,228	4,311	4,283	Production of natural mineral waters and other bottled waters
1,653	1,234	1,653	1,576	1,542	1,547	1,512	1,240	1,260	1,305	1,295	Other industry
1,199	1,160	1,199	1,602	1,614	1,618	965	980	979	971	961	Manufacture of tobacco products
13,289	13,348	13,289	14,879	14,753	14,524	13,639	13,783	14,020	13,664	13,686	Spinning, weaving and finishing of textiles
											Preparation and spinning of textile fibres
9,209	9,775	9,209	10,473	10,317	10,137	9,917	10,014	10,008	9,917	9,934	Weaving of textiles
3,647	2,880	3,647	3,581	3,612	3,578	3,547	3,352	3,280	3,015	3,006	Dyeing, bleaching, printing and finishing of yarns and fabrics
433	693	433	825	824	809	174	417	732	732	746	Other industry
14,450	13,350	14,450	14,646	14,753	14,178	13,484	13,832	13,754	13,622	13,767	Manufacture of other textiles
5,901	5,321	5,901	5,578	5,637	5,639	5,391	5,503	5,405	5,391	5,474	Manufacture of knitted and crocheted fabrics
8,548	8,030	8,548	9,067	9,116	8,539	8,094	8,330	8,349	8,231	8,293	Other industry
41,493	40,706	41,493	53,565	53,506	53,364	48,772	49,466	48,369	45,261	41,887	Manufacture of wearing apparel, except fur apparel
30,181	29,245	30,181	40,679	40,570	40,554	37,395	37,903	36,534	33,840	30,465	Manufacture of clothings
11,312	11,461	11,312	12,886	12,936	12,811	11,377	11,563	11,835	11,421	11,423	Other industry
981	1,213	981	1,615	1,671	1,677	1,342	1,324	1,311	1,208	1,208	Manufacture of articles of fur, knitted and crocheted apparel
											Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
6,113	5,675	6,113	5,705	5,736	5,699	5,498	5,425	5,407	5,438	5,451	
6,175	6,159	6,175	6,641	6,854	6,628	6,298	6,430	6,428	6,206	6,094	Manufacture of footwear
											Manufacture of leather footwear
3,399	3,469	3,399	3,748	4,000	3,773	3,393	3,549	3,521	3,439	3,374	Manufacture of rubber footwear
2,776	2,690	2,776	2,893	2,854	2,854	2,905	2,881	2,907	2,767	2,719	Other industry
25,587	24,555	25,587	27,635	27,550	26,509	22,207	23,956	24,284	24,707	24,592	Sawmilling and planing of wood

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020							
		Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
101	Pemprosesan dan pengawetan daging	13,232	12,798	12,830	12,814	13,270	13,165	13,037	13,035
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	15,933	15,800	15,600	15,575	16,365	16,388	16,315	16,127
	10201 Pengetinan ikan, krustasea dan moluska								
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	13,671	13,567	13,401	13,406	13,871	13,942	13,913	13,758
	Industri lain	2,261	2,233	2,198	2,169	2,494	2,447	2,402	2,370
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	11,266	11,216	11,167	11,201	11,652	11,497	11,339	11,403
	10303 Pengetinan nanas	1,115	1,110	1,107	1,115	1,151	1,140	1,129	1,114
	10304 Pembuatan jem, marmalad dan sajian jeli								
	Industri lain	10,151	10,106	10,060	10,085	10,501	10,357	10,210	10,289
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	79,604	77,558	77,481	77,283	77,593	77,611	77,416	77,445
	10404 Pembuatan minyak sayuran mentah dan bertapis								
	10406 Pembuatan sebatian lemak masakan	3,659	3,653	3,635	3,633	3,591	3,594	3,686	3,656
	10405 Pembuatan minyak kelapa	2,354	2,362	2,359	2,356	2,366	2,385	2,388	2,372
	Industri lain	73,591	71,543	71,487	71,293	71,636	71,631	71,342	71,417
105	Pembuatan produk tenusu	13,439	13,008	13,000	12,943	13,531	13,646	13,757	13,896
	10502 Pembuatan susu pekat, tepung dan sejat	9,851	9,529	9,536	9,487	10,077	10,117	10,152	10,222
	Industri lain	3,588	3,479	3,464	3,456	3,454	3,529	3,604	3,674
106	Pembuatan produk bijian, kanji dan produk berkanji	10,329	10,241	10,288	10,286	10,592	10,528	10,535	10,501
	10611 Pengilangan beras	4,762	4,676	4,649	4,638	4,935	4,890	4,881	4,836
	10613 Pengilangan tepung	4,611	4,604	4,597	4,630	4,613	4,608	4,640	4,652
	Industri lain	956	961	1,042	1,017	1,044	1,030	1,014	1,013
107	Pembuatan produk makanan lain	116,925	115,195	115,404	115,937	120,777	121,010	121,149	121,472
	10711 Pembuatan biskut dan cookies	12,289	12,219	12,190	12,112	12,108	12,052	11,993	12,107
	10712 Pembuatan roti, kek dan produk bakeri lain	28,624	28,061	28,089	28,158	28,656	28,679	28,682	29,196
	10713 Pembuatan produk snek	8,743	8,729	8,763	8,757	9,045	8,952	8,860	8,804
	10721 Pembuatan gula	1,818	1,819	1,819	1,823	1,814	1,816	1,818	1,806
	10731 Pembuatan produk koko	2,965	2,771	2,712	2,714	2,712	2,695	2,679	2,655
	10732 Pembuatan coklat dan produk coklat								
	10733 Pembuatan konfeksi gula	8,989	8,715	8,772	8,727	8,793	8,742	8,676	8,661
	10793 Pembuatan sos dan bahan perasa	8,456	8,484	8,444	8,441	9,656	9,581	9,512	9,470
	10799 Pembuatan produk makanan lain t.t.t.l.	12,179	11,917	12,162	12,699	14,006	14,504	14,596	14,383
	Industri lain	32,862	32,481	32,453	32,506	33,987	33,989	34,333	34,391
108/ 10800	Pembuatan makanan haiwan tersedia	19,003	17,859	17,878	17,920	17,699	17,728	17,733	17,794
110	Pembuatan minuman ringan	15,917	15,505	15,468	15,681	15,982	16,067	16,115	15,961
	11041 Pembuatan minuman ringan	10,399	10,153	10,153	10,302	10,257	10,293	10,327	10,252
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	4,238	4,115	4,174	4,144	4,204	4,216	4,227	4,165
	Industri lain	1,280	1,237	1,141	1,234	1,521	1,558	1,560	1,544
120/ 12000	Pembuatan produk tembakau	1,076	1,114	1,185	1,160	1,243	1,429	1,412	1,153
131	Pemintalan, penenunan dan penyiapan tekstil	13,556	13,607	13,505	13,348	13,250	13,410	13,445	13,427
	13110 Penyediaan dan pemintalan gentian tekstil								
	13120 Penenunan tekstil	9,904	9,933	9,852	9,775	9,672	9,757	9,712	9,686
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	2,906	2,923	2,906	2,880	2,852	2,951	3,054	3,070
	Industri lain	746	751	746	693	727	702	679	671
139	Pembuatan tekstil lain	13,629	13,426	13,386	13,350	13,997	13,856	13,939	13,967
	13910 Pembuatan fabrik dikait dan dikrusye	5,428	5,360	5,340	5,321	5,484	5,470	5,448	5,496
	Industri lain	8,201	8,065	8,046	8,030	8,513	8,385	8,492	8,471
141	Pembuatan pakaian, kecuali pakaian berbulu	42,449	41,484	40,770	40,706	40,744	40,988	40,980	40,804
	14102 Pembuatan pakaian	30,868	30,028	29,340	29,245	29,105	29,335	29,357	29,329
	Industri lain	11,581	11,456	11,430	11,461	11,639	11,654	11,623	11,475
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1,204	1,206	1,193	1,213	1,162	1,183	1,161	1,157
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	5,512	5,540	5,587	5,675	5,684	5,762	5,720	5,718
152	Pembuatan kasut	6,125	6,120	6,187	6,159	6,339	6,441	6,295	6,324
	15201 Pembuatan kasut kulit								
	15203 Pembuatan kasut getah	3,378	3,404	3,449	3,469	3,553	3,595	3,486	3,529
	Industri lain	2,746	2,716	2,737	2,690	2,786	2,846	2,809	2,795
161/ 16100	Pengilangan dan pengetaman kayu	24,685	24,626	24,643	24,555	24,817	24,852	24,769	24,984

2021								Group Description/Period
Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
13,041	13,006	12,996	12,918	13,491	13,120	13,068	12,960	Processing and preserving of meat
15,947	15,839	15,858	15,745	15,917	15,785	15,681	15,912	Processing and preserving of fish, crustaceans and molluscs
								Canning of fish, crustaceans and molluscs
13,609	13,579	13,495	13,399	13,478	13,344	13,152	13,320	Processing, curing and preserving of fish, crustacean and molluscs
2,338	2,260	2,363	2,346	2,439	2,441	2,529	2,592	Other industry
11,272	11,265	11,362	10,436	10,290	10,063	9,990	10,179	Processing and preserving of fruits and vegetable
								Pineapple canning
1,112	1,109	1,103	550	546	545	537	551	Manufacture of jams, marmalades and table jellies
10,160	10,156	10,259	9,886	9,744	9,518	9,453	9,628	Other industry
77,719	77,731	78,412	78,352	79,380	77,830	79,039	79,500	Manufacture of vegetable and animal oils and fats
								Manufacture of crude and refined vegetable oil
3,685	3,657	3,657	3,663	3,657	3,657	3,826	3,832	Manufacture of compound cooking fats
2,363	2,363	2,340	2,359	2,362	2,362	2,428	2,424	Manufacture of coconut oil
71,671	71,711	72,415	72,329	73,361	71,811	72,785	73,243	Other industry
13,855	13,848	13,799	13,853	13,864	13,236	13,176	13,179	Manufacture of dairy products
10,191	10,194	10,174	10,252	10,245	9,767	9,765	9,781	Manufacture of condensed, powdered and evaporated milk
3,664	3,654	3,625	3,601	3,619	3,468	3,411	3,398	Other industry
10,548	10,530	10,517	10,620	10,852	10,806	10,725	10,808	Manufacture of grain mill products, starches and starch products
4,854	4,832	4,821	4,991	5,157	5,116	4,882	4,849	Rice milling
4,703	4,710	4,715	4,687	4,729	4,708	4,808	4,889	Flour milling
991	988	981	942	966	982	1,035	1,070	Other industry
120,666	121,787	122,035	121,830	122,231	121,961	123,360	123,320	Manufacture of other food products
11,940	11,983	11,870	11,854	11,983	12,308	14,468	14,344	Manufacture of biscuits and cookies
29,021	30,085	30,156	30,285	30,498	30,053	30,196	30,260	Manufacture of bread, cakes and other bakery products
8,769	8,815	8,760	8,731	8,428	8,362	8,389	8,428	Manufacture of snack products
1,801	1,799	1,793	1,815	1,822	1,770	1,735	1,765	Manufacture of sugar
2,622	2,634	2,641	2,610	2,603	2,519	2,555	2,576	Manufacture of cocoa products
								Manufacture of chocolate and chocolate products
8,625	8,561	8,493	8,484	8,433	8,490	8,030	8,033	Manufacture of sugar confectionery
9,401	9,316	9,274	9,316	9,413	9,463	9,868	9,997	Manufacture of sauces and condiments
14,317	14,380	14,471	14,164	14,432	14,300	13,720	13,664	Manufacture of other food products n.e.c.
34,171	34,213	34,578	34,573	34,619	34,697	34,399	34,254	Other industry
17,766	17,700	18,037	15,819	15,829	15,484	15,071	14,893	Manufacture of prepared animal feeds
15,845	15,637	15,622	15,995	16,029	15,759	15,759	15,951	Manufacture of beverages
10,185	10,195	10,065	10,070	10,108	10,113	10,143	10,302	Manufacture of soft drinks
4,124	3,960	4,091	4,064	4,063	3,901	3,986	3,995	Production of natural mineral waters and other bottled waters
1,536	1,482	1,466	1,861	1,859	1,746	1,629	1,653	Other industry
1,157	1,151	1,113	1,061	1,196	1,198	1,199	1,199	Manufacture of tobacco products
13,458	13,081	12,925	13,160	13,173	13,295	13,064	13,289	Spinning, weaving and finishing of textiles
								Preparation and spinning of textile fibres
9,671	9,494	9,371	9,276	9,252	9,215	9,216	9,209	Weaving of textiles
3,070	3,055	3,122	3,244	3,373	3,548	3,415	3,647	Dyeing, bleaching, printing and finishing of yarns and fabrics
717	532	432	640	548	532	433	433	Other industry
14,243	13,946	13,938	13,942	14,120	14,090	14,464	14,450	Manufacture of other textiles
5,613	5,592	5,595	5,576	5,721	5,751	5,863	5,901	Manufacture of knitted and crocheted fabrics
8,630	8,354	8,343	8,366	8,400	8,339	8,601	8,548	Other industry
41,302	39,166	38,873	39,261	38,661	38,498	41,287	41,493	Manufacture of wearing apparel, except fur apparel
29,885	28,689	28,505	28,850	28,387	28,141	30,074	30,181	Manufacture of clothings
11,417	10,477	10,368	10,410	10,273	10,357	11,214	11,312	Other industry
1,152	1,152	1,149	961	963	930	965	981	Manufacture of articles of fur, knitted and crocheted apparel
								Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
5,754	5,553	5,443	5,692	5,918	6,090	6,122	6,113	
6,327	6,073	5,985	5,940	6,067	6,145	6,186	6,175	Manufacture of footwear
								Manufacture of leather footwear
3,543	3,312	3,293	3,261	3,238	3,335	3,396	3,399	Manufacture of rubber footwear
2,784	2,760	2,692	2,678	2,829	2,810	2,790	2,776	Other industry
24,965	22,858	24,440	24,881	25,401	25,365	25,505	25,587	Sawmilling and planing of wood

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2021	2020				2021		
					Q1	Q2	Q3	Q4	Q1	Q2	Q3
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	72,689	66,572	67,877	71,607	67,758	67,975	66,572	65,389	65,967	67,726
16211	Pembuatan kepingan venier dan papan lapis	43,122	37,402	37,770	42,709	38,814	38,768	37,402	36,056	36,327	38,302
16212	Pembuatan papan partikel dan papan gentian	7,959	6,938	6,751	7,637	7,046	6,974	6,938	6,979	6,513	6,360
16221	Perfukangan kayu untuk jurubina	10,718	11,223	11,216	10,638	11,107	11,324	11,223	11,560	11,892	11,920
	Industri lain	10,891	11,010	12,141	10,623	10,791	10,909	11,010	10,794	11,235	11,144
170	Pembuatan kertas dan produk kertas	57,044	54,294	56,213	57,106	52,828	53,264	54,294	55,320	54,235	54,814
17010	Pembuatan pulpa, kertas dan kertas tebal	7,960	8,193	8,792	8,089	7,920	8,036	8,193	8,308	8,058	8,132
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	23,404	21,987	22,313	23,073	20,996	21,518	21,987	22,190	22,041	22,055
17091	Pembuatan sampul surat dan kad surat	1,994	1,804	1,697	1,981	1,764	1,786	1,804	1,858	1,811	1,787
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	10,970	10,360	10,976	11,260	10,248	10,213	10,360	10,459	10,350	10,366
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	7,331	6,705	7,192	7,314	6,674	6,503	6,705	7,194	6,800	7,256
	Industri lain	5,385	5,245	5,243	5,389	5,227	5,209	5,245	5,312	5,174	5,217
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	66,042	65,015	67,428	66,434	63,311	63,738	65,015	65,618	63,077	62,499
18110	Percetakan	53,891	52,308	54,714	53,924	50,676	50,974	52,308	52,886	50,851	50,324
18120	Aktiviti perkhidmatan berkaitan percetakan										
&											
18200	Penerbitan semula media rakaman	12,150	12,707	12,714	12,511	12,636	12,764	12,707	12,733	12,226	12,175
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	17,918	16,623	17,093	18,013	15,901	16,311	16,623	17,207	16,812	17,148
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	54,647	50,632	46,703	55,301	48,601	49,921	50,632	49,516	47,941	48,207
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	7,250	6,726	5,496	7,456	6,394	6,540	6,726	7,226	7,174	7,312
20112	Pembuatan kimia organik asas										
&											
20113	Pembuatan sebatian bukan organik	16,926	16,622	18,092	17,091	15,957	16,248	16,622	16,731	16,380	16,537
20121	Pembuatan baja										
&											
20129	Pembuatan produk campuran nitrogen	11,600	11,002	9,123	11,537	10,507	10,762	11,002	11,372	10,368	10,481
20131	Pembuatan plastik dalam bentuk primer	16,454	13,911	11,283	16,930	13,427	14,003	13,911	11,713	11,622	11,441
	Industri lain	2,417	2,372	2,710	2,289	2,315	2,368	2,372	2,474	2,397	2,436
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	53,511	50,796	54,990	54,136	50,638	51,320	50,796	55,458	53,701	53,091
20210	Pembuatan racun perosak dan produk agrokimia lain	3,450	3,426	4,044	3,407	3,416	3,456	3,426	3,912	3,852	3,826
20221	Pembuatan cat, varnis dan penyadur dan mastik	11,835	10,113	9,483	11,685	10,278	10,087	10,113	12,081	10,065	9,795
20222	Pembuatan dakwat cetak	4,075	3,946	4,911	4,018	4,006	4,023	3,946	4,856	4,893	4,893
20231	Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilat	20,839	20,518	20,535	20,756	19,982	20,800	20,518	20,838	21,010	20,643
20232	Pembuatan pewangi dan penyediaan dandanan diri										
20291	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials										
&											
20292	Pembuatan dakwat menulis dan melukis	12,825	12,280	15,564	13,759	12,455	12,458	12,280	13,272	13,379	13,436
&											
20299	Pembuatan produk kimia lain t.t.t.l.										
	Industri lain	486	514	454	510	501	496	514	499	502	497
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	21,320	23,344	25,092	20,994	23,540	23,751	23,344	23,420	26,265	26,547
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan	15,082	16,629	18,048	14,985	16,766	16,948	16,629	16,716	18,571	18,614
	Industri lain	6,238	6,714	7,044	6,009	6,773	6,803	6,714	6,704	7,694	7,932
221	Pembuatan produk getah	117,846	121,606	122,498	118,149	119,860	121,348	121,606	122,761	127,350	125,645
22111	Pembuatan tayar getah untuk kenderaan	8,142	7,319	7,048	8,190	7,792	7,657	7,319	7,227	7,869	6,885
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2,038	2,147	2,209	2,140	2,297	2,185	2,147	2,066	1,945	2,046
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	17,360	18,011	16,796	17,557	18,064	18,262	18,011	17,964	17,930	17,343
&											
22193	Pengilangan semula getah dan prosesan susu getah										
22192	Pembuatan sarung tangan getah	61,514	63,169	63,232	61,631	62,547	62,555	63,169	63,932	67,375	67,256
22199	Pembuatan produk getah lain yang t.t.t.l.	28,792	30,960	33,212	28,631	29,160	30,689	30,960	31,573	32,231	32,114
222	Pembuatan produk plastik	148,903	154,318	153,940	149,699	153,332	154,603	154,318	155,602	155,262	152,014
22201	Pembuatan produk plastik separa siap										
&											
22202	Pembuatan produk plastik siap	34,647	35,653	33,803	33,520	34,296	35,645	35,653	35,213	35,656	34,467
22203	Pembuatan artikel plastik untuk pembungkusan	44,007	46,609	48,456	44,498	46,483	46,888	46,609	46,979	47,228	46,712
22204	Pembuatan barangan plastik jurubina	3,595	3,338	3,345	3,569	3,351	3,332	3,338	3,463	3,327	3,332
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	11,920	12,867	12,961	12,027	12,638	12,871	12,867	13,249	13,124	12,920
22209	Pembuatan pelbagai produk plastik t.t.t.l.	54,734	55,851	55,375	56,085	56,564	55,867	55,851	56,698	55,927	54,582
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	18,672	17,853	18,828	18,226	17,758	17,755	17,853	18,144	17,782	17,490

Q4	2020	2021	2020								Group Description/Period
	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Oct.	
67,877	66,572	67,877	73,984	73,526	71,607	66,576	67,586	67,758	67,502	67,144	Manufacture of products of wood, cork, straw and plaiting materials
37,770	37,402	37,770	43,331	43,579	42,709	38,521	38,672	38,814	38,344	38,046	Manufacture of veneer sheets and plywood
6,751	6,938	6,751	7,947	7,692	7,637	7,474	7,281	7,046	7,008	6,960	Manufacture of particle board and fibreboard
11,216	11,223	11,216	11,728	11,316	10,638	10,677	10,936	11,107	11,331	11,292	Manufacture of builders' carpentry
12,141	11,010	12,141	10,978	10,939	10,623	9,905	10,697	10,791	10,819	10,846	Other industry
56,213	54,294	56,213	57,734	57,653	57,106	52,322	52,428	52,828	52,806	52,754	Manufacture of paper and paper products
8,792	8,193	8,792	8,274	8,593	8,089	7,665	7,923	7,920	7,989	7,944	Manufacture of pulp, paper and paperboard
22,313	21,987	22,313	22,682	23,045	23,073	20,888	20,751	20,996	21,188	21,198	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
1,697	1,804	1,697	1,967	1,957	1,981	1,762	1,797	1,764	1,693	1,709	Manufacture of envelopes and letter-card
10,976	10,360	10,976	11,901	11,281	11,260	10,359	10,186	10,248	10,180	10,213	Manufacture of household and personal hygiene paper
7,192	6,705	7,192	7,367	7,323	7,314	6,570	6,605	6,674	6,591	6,528	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
5,243	5,245	5,243	5,544	5,455	5,389	5,078	5,166	5,227	5,165	5,163	Other industry
67,428	65,015	67,428	68,267	67,872	66,434	61,297	61,722	63,311	64,118	64,003	Printing, service activities related to printing and reproduction of recorded media
54,714	52,308	54,714	55,399	55,230	53,924	48,877	49,239	50,676	51,387	51,268	Printing
12,714	12,707	12,714	12,867	12,642	12,511	12,420	12,483	12,636	12,732	12,735	Service activities related to printing
											Reproduction of recorded media
17,093	16,623	17,093	18,106	18,070	18,013	16,307	15,944	15,901	16,311	16,283	Manufacture of refined petroleum products
46,703	50,632	46,703	56,909	55,677	55,301	48,626	48,785	48,601	49,802	49,875	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
5,496	6,726	5,496	7,485	7,483	7,456	6,335	6,380	6,394	6,380	6,467	Manufacture of liquefied or compressed inorganic industrial or medical gases
18,092	16,622	18,092	17,477	17,292	17,091	15,768	16,105	15,957	16,281	16,230	Manufacture of basic organic chemicals
9,123	11,002	9,123	12,273	11,535	11,537	10,796	10,523	10,507	10,725	10,776	Manufacture of inorganic compounds
11,283	13,911	11,283	17,189	17,024	16,930	13,442	13,475	13,427	14,066	14,033	Manufacture of fertilizers
2,710	2,372	2,710	2,486	2,343	2,289	2,285	2,303	2,315	2,350	2,369	Manufacture of associated nitrogen products
											Manufacture of plastics in primary forms
54,990	50,796	54,990	54,265	54,693	54,136	49,976	50,245	50,638	51,039	51,294	Manufacture of other chemical products and man-made fibres
4,044	3,426	4,044	3,505	3,491	3,407	3,397	3,365	3,416	3,444	3,447	Manufacture of pesticides and other agrochemical products
9,483	10,113	9,483	11,914	11,762	11,685	10,383	10,251	10,278	10,212	10,214	Manufacture of paints, varnishes and similar coatings ink and mastics
4,911	3,946	4,911	4,065	4,018	4,018	4,012	4,006	4,006	4,006	4,014	Manufacture of printing ink
20,535	20,518	20,535	20,831	21,154	20,756	19,264	19,730	19,982	20,396	20,689	Manufacture of soap and detergents, cleaning and polishing preparations
											Manufacture of perfumes and toilet preparations
											Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
15,564	12,280	15,564	13,437	13,758	13,759	12,422	12,407	12,455	12,473	12,423	Manufacture of writing and drawing ink
454	514	454	513	511	510	498	486	501	507	507	Manufacture of other chemical products n.e.c.
											Other industry
25,092	23,344	25,092	21,264	21,209	20,994	23,338	23,413	23,540	23,540	23,713	Manufacture of pharmaceuticals, medicinal chemical and botanical products
18,048	16,629	18,048	15,060	14,987	14,985	16,618	16,727	16,766	16,737	16,905	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
7,044	6,714	7,044	6,204	6,222	6,009	6,720	6,687	6,773	6,803	6,809	Other industry
122,498	121,606	122,498	119,366	118,186	118,149	118,989	119,671	119,860	120,406	120,519	Manufacture of rubber products
7,048	7,319	7,048	8,034	8,212	8,190	8,145	7,933	7,792	7,681	7,669	Manufacture of rubber tyres for vehicles
2,209	2,147	2,209	2,084	2,132	2,140	2,254	2,250	2,297	2,212	2,208	Manufacture of interchangeable tyre treads and retreading rubber tyres
16,796	18,011	16,796	18,057	17,681	17,557	18,226	18,122	18,064	18,193	18,253	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
63,232	63,169	63,232	62,034	61,572	61,631	61,658	62,324	62,547	62,880	62,904	Rubber remilling and latex processing
33,212	30,960	33,212	29,157	28,589	28,631	28,706	29,042	29,160	29,440	29,485	Manufacture of rubber gloves
											Manufacture of other rubber products n.e.c.
153,940	154,318	153,940	150,059	150,275	149,699	151,147	152,817	153,332	154,034	155,306	Manufacture of plastics products
33,803	35,653	33,803	34,784	33,535	33,520	33,764	33,997	34,296	34,382	35,834	Manufacture of semi-manufactures of plastic products
48,456	46,609	48,456	44,682	44,620	44,498	45,968	46,272	46,483	46,815	46,836	Manufacture of finished plastic products
3,345	3,338	3,345	3,773	3,583	3,569	3,260	3,587	3,351	3,303	3,314	Manufacture of plastic articles for the packing of goods
12,961	12,867	12,961	12,079	12,082	12,027	12,139	12,401	12,638	12,927	12,846	Manufacture of builders' plastics ware
55,375	55,851	55,375	54,741	56,454	56,085	56,016	56,560	56,564	56,607	56,476	Manufacture of plastic tableware, kitchenware and toilet articles
											Manufacture of diverse plastic products n.e.c.
18,828	17,853	18,828	18,859	18,577	18,226	17,833	17,762	17,758	17,691	17,693	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020							
		Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	67,975	66,193	66,757	66,572	67,192	66,363	65,389	65,106
16211	Pembuatan kepingan venier dan papan lapis	38,768	37,651	37,818	37,402	37,144	36,608	36,056	35,781
16212	Pembuatan papan partikel dan papan gentian	6,974	6,725	6,939	6,938	6,957	6,968	6,979	6,938
16221	Perfukangan kayu untuk jurubina	11,324	11,362	11,197	11,223	11,803	11,691	11,560	11,694
	Industri lain	10,909	10,455	10,804	11,010	11,289	11,097	10,794	10,693
170	Pembuatan kertas dan produk kertas	53,264	54,038	53,997	54,294	55,040	55,359	55,320	54,957
17010	Pembuatan pulpa, kertas dan kertas tebal	8,036	8,113	8,120	8,193	8,234	8,271	8,308	8,218
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	21,518	21,840	21,842	21,987	22,014	22,128	22,190	22,026
17091	Pembuatan sampul surat dan kad surat	1,786	1,800	1,814	1,804	1,888	1,873	1,858	1,819
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	10,213	10,332	10,344	10,360	10,546	10,506	10,459	10,430
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	6,503	6,666	6,649	6,705	6,861	7,183	7,194	7,133
	Industri lain	5,209	5,288	5,228	5,245	5,497	5,398	5,312	5,332
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	63,738	64,457	65,244	65,015	65,218	65,262	65,618	63,679
18110	Percetakan	50,974	51,676	52,508	52,308	52,551	52,566	52,886	51,263
18120	Aktiviti perkhidmatan berkaitan percetakan								
&		12,764	12,781	12,736	12,707	12,667	12,696	12,733	12,416
18200	Penerbitan semula media rakaman								
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	16,311	16,433	16,416	16,623	16,790	16,792	17,207	16,752
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	49,921	49,769	50,326	50,632	49,507	49,469	49,516	48,366
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	6,540	6,525	6,712	6,726	7,293	7,260	7,226	7,226
20112	Pembuatan kimia organik asas								
&		16,248	16,252	16,465	16,622	16,822	16,776	16,731	16,637
20113	Pembuatan sebatian bukan organik								
20121	Pembuatan baja								
&		10,762	10,770	10,844	11,002	11,337	11,304	11,372	10,394
20129	Pembuatan produk campuran nitrogen								
20131	Pembuatan plastik dalam bentuk primer	14,003	13,833	13,907	13,911	11,616	11,665	11,713	11,706
	Industri lain	2,368	2,388	2,397	2,372	2,438	2,465	2,474	2,403
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	51,320	51,006	51,273	50,796	52,650	52,560	55,458	53,088
20210	Pembuatan racun perosak dan produk agrokimia lain	3,456	3,428	3,412	3,426	4,134	4,022	3,912	3,902
20221	Pembuatan cat, varnis dan penyadur dan mastik	10,087	10,080	10,129	10,113	10,471	10,150	12,081	10,108
20222	Pembuatan dakwat cetak	4,023	3,967	3,961	3,946	3,946	3,949	4,856	4,790
20231	Pembuatan sabun dan bahan pencuci, penyediaan								
&	membersih dan mengilat	20,800	20,603	20,749	20,518	20,672	20,755	20,838	20,552
20232	Pembuatan pewangi dan penyediaan dandanan diri								
20291	Pembuatan plat fotografi, filem, sensitized paper dan								
&	other sensitized unexposed materials								
20292	Pembuatan dakwat menulis dan melukis	12,458	12,432	12,508	12,280	12,918	13,181	13,272	13,239
&									
20299	Pembuatan produk kimia lain t.t.t.l.								
	Industri lain	496	496	514	514	509	504	499	497
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	23,751	23,531	23,414	23,344	23,328	23,477	23,420	26,421
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan	16,948	16,748	16,647	16,629	16,602	16,762	16,716	18,728
	Industri lain	6,803	6,782	6,767	6,714	6,726	6,715	6,704	7,694
221	Pembuatan produk getah	121,348	121,586	121,780	121,606	122,565	121,922	122,761	127,930
22111	Pembuatan tayar getah untuk kenderaan	7,657	7,665	7,549	7,319	7,433	7,330	7,227	7,868
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2,185	2,200	2,174	2,147	2,145	2,104	2,066	2,134
22191	Pembuatan produk lain daripada getah asli atau								
&	sintetik, tidak divulkan, divulkan atau dikeraskan	18,262	18,199	18,222	18,011	18,074	17,851	17,964	18,257
22193	Pengilangan semula getah dan prosesan susu getah								
22192	Pembuatan sarung tangan getah	62,555	62,736	62,814	63,169	63,233	63,109	63,932	66,952
22199	Pembuatan produk getah lain yang t.t.t.l.	30,689	30,786	31,021	30,960	31,679	31,528	31,573	32,720
222	Pembuatan produk plastik	154,603	154,642	154,143	154,318	156,350	155,614	155,602	157,585
22201	Pembuatan produk plastik separa siap								
&		35,645	35,567	35,553	35,653	35,674	35,337	35,213	36,530
22202	Pembuatan produk plastik siap								
22203	Pembuatan artikel plastik untuk pembungkusan	46,888	47,059	46,614	46,609	47,579	47,144	46,979	47,556
22204	Pembuatan barangan plastik jurubina	3,332	3,328	3,352	3,338	3,434	3,455	3,463	3,452
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	12,871	12,818	12,820	12,867	13,118	13,143	13,249	13,295
22209	Pembuatan pelbagai produk plastik t.t.t.l.	55,867	55,869	55,804	55,851	56,545	56,535	56,698	56,753
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	17,755	17,767	17,803	17,853	18,034	18,088	18,144	18,253

2021								Group Description/Period
Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
67,657	65,967	66,545	66,584	67,726	67,613	68,602	67,877	Manufacture of products of wood, cork, straw and plaiting materials
37,475	36,327	36,914	37,159	38,302	37,726	38,045	37,770	Manufacture of veneer sheets and plywood
6,940	6,513	6,490	6,440	6,360	6,450	6,696	6,751	Manufacture of particle board and fibreboard
11,913	11,892	11,847	11,837	11,920	12,021	11,401	11,216	Manufacture of builders' carpentry
11,329	11,235	11,293	11,148	11,144	11,416	12,460	12,141	Other industry
54,800	54,235	53,891	53,894	54,814	55,655	56,618	56,213	Manufacture of paper and paper products
8,182	8,058	8,055	7,984	8,132	8,720	8,785	8,792	Manufacture of pulp, paper and paperboard
22,029	22,041	21,294	21,579	22,055	22,407	22,432	22,313	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
1,814	1,811	1,804	1,794	1,787	1,773	1,711	1,697	Manufacture of envelopes and letter-card
10,368	10,350	10,298	10,254	10,366	10,337	11,223	10,976	Manufacture of household and personal hygiene paper
7,117	6,800	7,231	7,187	7,256	7,192	7,195	7,192	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
5,291	5,174	5,209	5,096	5,217	5,226	5,272	5,243	Other industry
63,844	63,077	62,788	62,872	62,499	65,050	67,089	67,428	Printing, service activities related to printing and reproduction of recorded media
51,435	50,851	50,608	50,627	50,324	52,451	54,398	54,714	Printing
12,410	12,226	12,181	12,244	12,175	12,600	12,691	12,714	Service activities related to printing
								Reproduction of recorded media
16,759	16,812	17,135	17,138	17,148	17,060	16,982	17,093	Manufacture of refined petroleum products
48,155	47,941	48,372	48,356	48,207	47,951	46,707	46,703	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
7,136	7,174	7,260	7,264	7,312	7,243	5,504	5,496	Manufacture of liquefied or compressed inorganic industrial or medical gases
16,612	16,380	16,632	16,613	16,537	16,634	17,993	18,092	Manufacture of basic organic chemicals
10,377	10,368	10,545	10,554	10,481	10,370	9,222	9,123	Manufacture of inorganic compounds
11,615	11,622	11,549	11,515	11,441	11,274	11,307	11,283	Manufacture of fertilizers
2,414	2,397	2,386	2,410	2,436	2,430	2,680	2,710	Manufacture of associated nitrogen products
								Manufacture of plastics in primary forms
53,548	53,701	53,114	52,958	53,091	54,577	55,293	54,990	Manufacture of other chemical products and man-made fibres
3,854	3,852	3,846	3,822	3,826	3,848	4,005	4,044	Manufacture of pesticides and other agrochemical products
10,074	10,065	10,073	9,989	9,795	9,821	9,603	9,483	Manufacture of paints, varnishes and similar coatings ink and mastics
4,802	4,893	4,902	4,890	4,893	4,796	4,914	4,911	Manufacture of printing ink
21,060	21,010	20,604	20,545	20,643	20,604	20,680	20,535	Manufacture of soap and detergents, cleaning and polishing preparations
								Manufacture of perfumes and toilet preparations
								Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
13,261	13,379	13,189	13,211	13,436	15,011	15,635	15,564	Manufacture of writing and drawing ink
496	502	500	500	497	497	457	454	Manufacture of other chemical products n.e.c.
26,220	26,265	26,471	26,721	26,547	26,387	25,048	25,092	Manufacture of pharmaceuticals, medicinal chemical and botanical products
18,593	18,571	18,706	18,849	18,614	18,662	18,112	18,048	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
7,628	7,694	7,765	7,872	7,932	7,725	6,937	7,044	Other industry
127,583	127,350	126,402	125,912	125,645	125,212	122,967	122,498	Manufacture of rubber products
7,887	7,869	6,925	6,910	6,885	6,839	6,925	7,048	Manufacture of rubber tyres for vehicles
2,056	1,945	1,955	2,013	2,046	2,085	2,235	2,209	Manufacture of interchangeable tyre treads and retreading rubber tyres
18,010	17,930	18,092	17,962	17,343	17,133	16,836	16,796	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
67,031	67,375	67,244	67,042	67,256	66,857	63,588	63,232	Rubber remilling and latex processing
32,599	32,231	32,186	31,986	32,114	32,299	33,384	33,212	Manufacture of rubber gloves
157,137	155,262	154,029	153,404	152,014	152,499	153,703	153,940	Manufacture of other rubber products n.e.c.
								Manufacture of plastics products
36,348	35,656	34,894	34,573	34,467	34,547	33,870	33,803	Manufacture of semi-manufactures of plastic products
47,488	47,228	46,731	46,636	46,712	47,132	48,154	48,456	Manufacture of finished plastic products
3,417	3,327	3,338	3,349	3,332	3,374	3,332	3,345	Manufacture of plastic articles for the packing of goods
13,298	13,124	12,855	12,925	12,920	12,999	13,012	12,961	Manufacture of builders' plastics ware
56,585	55,927	56,211	55,920	54,582	54,447	55,334	55,375	Manufacture of plastic tableware, kitchenware and toilet articles
								Manufacture of diverse plastic products n.e.c.
18,032	17,782	17,691	17,714	17,490	18,012	17,921	18,828	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2021	2020				2021		
					Q1	Q2	Q3	Q4	Q1	Q2	Q3
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	88,345	85,533	86,772	88,110	86,965	86,012	85,533	86,053	84,988	86,338
23911 & 23921	Pembuatan mortar refraktori dan konkrit	11,268	11,012	11,409	11,941	11,594	11,201	11,012	11,682	11,585	11,268
23930	Pembuatan produk porselin dan seramik lain	4,983	5,438	5,100	5,071	5,328	5,460	5,438	5,171	5,271	5,025
23941	Pembuatan simen hidrolik	7,545	7,223	7,667	7,550	7,601	7,192	7,223	7,393	7,392	7,368
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	17,677	15,696	16,004	17,306	16,300	16,210	15,696	14,953	15,129	16,178
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.	29,864	29,327	30,295	28,749	29,165	28,939	29,327	29,886	28,821	29,458
23990	Pembuatan produk mineral bukan logam lain t.t.t.l. Industri lain	8,389 8,619	8,190 8,647	8,590 7,707	8,798 8,696	8,282 8,695	8,319 8,692	8,190 8,647	8,351 8,618	8,199 8,591	8,417 8,624
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	50,591	53,365	54,326	51,025	49,504	49,416	53,365	52,662	51,756	50,739
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	45,246	42,793	41,977	45,770	42,855	42,862	42,793	43,467	41,629	41,662
243	Pengacuan logam	15,823	14,524	14,773	15,172	14,312	14,564	14,524	15,603	14,511	14,507
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	55,152	60,344	59,684	54,737	58,265	59,964	60,344	61,301	57,540	59,885
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam Pembuatan produk struktur logam lain	38,292	41,143	40,418	37,538	40,089	41,064	41,143	42,112	39,080	41,148
25120	Pembuatan tangki, takungan dan kontena daripada logam Industri lain	9,403 7,458	10,782 8,419	10,948 8,319	9,494 7,705	9,767 8,409	10,503 8,397	10,782 8,419	10,747 8,443	10,497 7,963	10,807 7,930
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	94,074	94,309	96,998	94,510	93,929	94,080	94,309	96,655	94,320	94,729
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	20,156	21,355	21,823	20,008	20,832	21,115	21,355	21,586	21,444	21,559
25920	Rawatan dan penyalutan logam; menggunakan	11,151	11,576	12,158	11,104	11,143	11,026	11,576	12,771	11,930	11,648
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	7,808	7,766	7,800	7,810	7,620	7,653	7,766	7,681	7,596	7,470
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam Pembuatan bolt, skru, nat dan produk uliran seumpamanya	19,141	19,267	19,308	19,576	19,573	19,455	19,267	18,955	18,562	19,134
25994	Pembuatan barangan rumah daripada logam	3,694	3,451	3,194	3,599	3,547	3,526	3,451	3,528	3,141	3,064
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l. Industri lain	21,071 11,054	20,712 10,183	22,227 10,488	21,327 11,086	21,080 10,133	20,969 10,335	20,712 10,183	21,812 10,322	21,518 10,127	21,619 10,236
261	Pembuatan komponen dan papan elektronik	212,010	200,705	218,374	207,383	196,237	196,263	200,705	204,576	209,068	211,084
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya Pembuatan litar elektronik bersepadu dengan pemasangan mikro	121,653	111,358	119,761	117,659	110,928	110,178	111,358	113,322	116,030	118,140
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik Pembuatan papan litar bercetak Pembuatan komponen paparan	75,038	75,518	84,490	74,825	71,499	72,597	75,518	77,520	78,999	79,110
26109	Pembuatan komponen lain untuk aplikasi elektronik	15,320	13,829	14,124	14,899	13,809	13,488	13,829	13,734	14,039	13,835
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	58,883	60,287	65,839	64,908	58,939	59,368	60,287	61,218	61,865	63,876
263/ 26300	Pembuatan peralatan komunikasi	22,041	23,686	24,324	23,102	22,636	23,315	23,686	23,250	24,201	24,171
264/ 26400	Pembuatan peralatan elektronik pengguna	33,867	33,999	33,782	34,097	34,060	34,672	33,999	33,624	33,516	34,256
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	29,359	27,479	29,332	30,141	27,862	27,589	27,479	28,566	28,467	28,652
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan Pembuatan kelengkapan kawalan proses	22,102	21,067	22,605	22,964	21,329	21,117	21,067	22,007	22,100	22,424
26520	Pembuatan jam tangan dan jam dan bahagiannya	7,256	6,412	6,727	7,176	6,533	6,472	6,412	6,558	6,367	6,228
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	13,359	12,909	12,927	13,999	12,811	12,822	12,909	12,881	13,088	13,384

Q4	2020	2021	2020								Group Description/Period
	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Oct.	
86,772	85,533	86,772	90,104	88,893	88,110	86,071	86,074	86,965	86,113	86,065	Manufacture of non-metallic mineral products n.e.c.
11,409	11,012	11,409	12,033	12,065	11,941	11,538	11,638	11,594	11,183	11,174	Manufacture of refractory mortars and concretes
5,100	5,438	5,100	5,012	5,046	5,071	5,303	5,287	5,328	5,365	5,389	Manufacture of non-refractory ceramic
7,667	7,223	7,667	7,563	7,507	7,550	7,507	7,559	7,601	7,218	7,220	Manufacture of other porcelain and ceramic products
16,004	15,696	16,004	17,778	17,723	17,306	15,887	16,316	16,300	16,263	16,284	Manufacture of hydraulic cement
											Manufacture of ready-mix and dry-mix concrete and mortars
											Manufacture of precast concrete, cement or artificial stone articles for use in construction
30,295	29,327	30,295	29,952	29,088	28,749	28,719	28,511	29,165	29,005	28,843	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
8,590	8,190	8,590	8,871	8,771	8,798	8,481	8,226	8,282	8,348	8,354	Manufacture of other articles of concrete, cement and plaster n.e.c.
7,707	8,647	7,707	8,896	8,694	8,696	8,636	8,537	8,695	8,732	8,800	Manufacture of other non-metallic mineral products n.e.c.
											Other industry
54,326	53,365	54,326	51,376	51,940	51,025	49,071	49,690	49,504	48,802	49,187	Manufacture of basic iron and steel
41,977	42,793	41,977	45,415	45,869	45,770	43,450	43,106	42,855	42,756	42,827	Manufacture of basic precious and other non-ferrous metals
14,773	14,524	14,773	16,002	15,281	15,172	14,605	14,426	14,312	14,489	14,565	Casting of metals
59,684	60,344	59,684	54,993	55,653	54,737	52,809	55,143	58,265	59,712	59,497	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
40,418	41,143	40,418	37,824	38,349	37,538	35,227	36,944	40,089	40,743	40,618	Manufacture of metal doors, windows and their frames, shutters and gates
10,948	10,782	10,948	9,269	9,570	9,494	9,570	9,791	9,767	10,511	10,448	Manufacture of other structural metal products
8,319	8,419	8,319	7,900	7,734	7,705	8,012	8,408	8,409	8,458	8,431	Manufacture of tanks, reservoirs and containers of metal
96,998	94,309	96,998	94,990	95,152	94,510	94,615	94,127	93,929	94,880	94,630	Manufacture of other fabricated metal products; metal working service activities
21,823	21,355	21,823	20,291	20,310	20,008	20,975	20,846	20,832	21,148	21,134	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
12,158	11,576	12,158	11,091	11,141	11,104	10,885	11,190	11,143	11,483	11,187	Treatment and coating of metals; machining
7,800	7,766	7,800	7,816	7,806	7,810	7,654	7,629	7,620	7,607	7,704	Manufacture of tins and cans for food products, collapsible tubes and boxes
19,308	19,267	19,308	19,411	19,723	19,576	19,131	19,539	19,573	19,566	19,538	Manufacture of metal cable, plaited bands and similar articles
3,194	3,451	3,194	3,873	3,602	3,599	3,576	3,553	3,547	3,524	3,519	Manufacture of bolts, screws, nuts and similar threaded products
22,227	20,712	22,227	21,338	21,512	21,327	21,022	21,063	21,080	21,228	21,214	Manufacture of metal household articles
10,488	10,183	10,488	11,170	11,058	11,086	11,372	10,308	10,133	10,325	10,335	Manufacture of any other fabricated metal products n.e.c.
218,374	200,705	218,374	212,699	210,895	207,383	196,628	196,239	196,237	196,753	196,635	Manufacture of electronic components and boards
119,761	111,358	119,761	121,662	119,534	117,659	112,190	111,475	110,928	110,382	110,090	Manufacture of diodes, transistors and similar semiconductor devices
											Manufacture of electronic integrated circuits micro assemblies
											Manufacture of electrical capacitors and resistors
84,490	75,518	84,490	76,493	76,442	74,825	70,451	70,924	71,499	72,693	72,932	Manufacture of printed circuit boards
14,124	13,829	14,124	14,544	14,918	14,899	13,987	13,840	13,809	13,678	13,614	Manufacture of display components
65,839	60,287	65,839	61,542	61,776	64,908	59,334	59,098	58,939	59,018	59,438	Manufacture of other components for electronic applications
24,324	23,686	24,324	22,781	23,030	23,102	21,857	21,994	22,636	22,979	22,996	Manufacture of computers and peripheral equipment
33,782	33,999	33,782	33,925	33,929	34,097	32,739	32,792	34,060	34,645	34,607	Manufacture of communication equipment
29,332	27,479	29,332	29,985	30,197	30,141	28,140	27,986	27,862	27,771	27,449	Manufacture of consumer electronics
22,605	21,067	22,605	22,793	22,938	22,964	21,452	21,444	21,329	21,289	21,006	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
6,727	6,412	6,727	7,192	7,260	7,176	6,687	6,542	6,533	6,482	6,443	Manufacture of measuring, testing, navigating and control equipment
12,927	12,909	12,927	13,323	13,960	13,999	12,707	12,756	12,811	12,845	12,841	Manufacture of industrial process control equipment
											Manufacture of watches and clocks and parts
											Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020							
		Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	86,012	85,473	86,192	85,533	87,300	85,584	86,053	86,732
23911 & 23921	Pembuatan mortar refraktori dan konkrit	11,201	10,894	11,119	11,012	11,381	11,074	11,682	11,683
23930	Pembuatan produk porselin dan seramik lain	5,460	5,426	5,438	5,438	5,501	5,195	5,171	5,178
23941	Pembuatan simen hidrolik	7,192	7,185	7,185	7,223	7,393	7,387	7,393	7,470
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	16,210	15,616	15,737	15,696	16,036	15,022	14,953	15,292
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	28,939	29,398	29,760	29,327	29,660	29,743	29,886	29,888
23990	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.								
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	8,319	8,322	8,307	8,190	8,366	8,383	8,351	8,419
	Industri lain	8,692	8,632	8,646	8,647	8,963	8,780	8,618	8,804
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	49,416	50,393	50,043	53,365	54,315	52,823	52,662	51,560
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	42,862	42,831	42,885	42,793	42,928	43,551	43,467	43,113
243	Pengacuan logam	14,564	14,476	14,464	14,524	14,616	15,068	15,603	14,822
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	59,964	59,560	60,063	60,344	60,676	60,608	61,301	60,278
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	41,064	41,048	41,187	41,143	41,406	41,402	42,112	41,377
25120	Pembuatan produk struktur logam lain								
25120	Pembuatan tangki, takungan dan kontena daripada logam	10,503	10,481	10,619	10,782	10,786	10,770	10,747	10,728
	Industri lain	8,397	8,031	8,257	8,419	8,484	8,436	8,443	8,172
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	94,080	94,025	93,987	94,309	94,941	95,656	96,655	95,985
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	21,115	21,178	21,150	21,355	21,776	21,738	21,586	21,509
25920	Rawatan dan penyalutan logam; menggunakan	11,026	11,422	11,580	11,576	11,649	12,221	12,771	12,300
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	7,653	7,670	7,721	7,766	7,878	7,784	7,681	7,725
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	19,455	19,362	19,198	19,267	19,311	19,074	18,955	18,816
25994	Pembuatan bolt, skru, nat dan produk uliran seumpamanya								
25994	Pembuatan barangan rumah daripada logam	3,526	3,470	3,449	3,451	3,457	3,492	3,528	3,485
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	20,969	20,669	20,714	20,712	20,731	21,221	21,812	21,878
	Industri lain	10,335	10,255	10,175	10,183	10,139	10,126	10,322	10,271
261	Pembuatan komponen dan papan elektronik	196,263	199,080	200,518	200,705	200,915	203,356	204,576	206,925
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	110,178	110,749	111,944	111,358	111,476	112,907	113,322	115,375
26103 & 26104 & 26105	Pembuatan litar elektronik bersepadu dengan pemasangan mikro								
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik								
26104 & 26105	Pembuatan papan litar bercetak	72,597	74,779	74,863	75,518	75,637	76,630	77,520	77,705
26105	Pembuatan komponen paparan								
26109	Pembuatan komponen lain untuk aplikasi elektronik	13,488	13,553	13,711	13,829	13,802	13,819	13,734	13,845
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	59,368	59,630	60,171	60,287	61,091	61,454	61,218	61,137
263/ 26300	Pembuatan peralatan komunikasi	23,315	23,532	23,579	23,686	23,459	23,418	23,250	23,603
264/ 26400	Pembuatan peralatan elektronik pengguna	34,672	34,047	34,046	33,999	33,722	33,673	33,624	33,359
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	27,589	27,490	27,485	27,479	28,433	28,471	28,566	28,611
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	21,117	21,152	21,134	21,067	22,074	22,013	22,007	22,090
26520	Pembuatan kelengkapan kawalan proses								
26520	Pembuatan jam tangan dan jam dan bahagiannya	6,472	6,338	6,351	6,412	6,359	6,458	6,558	6,521
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	12,822	12,858	12,827	12,909	12,863	12,872	12,881	12,828

2021								Group Description/Period
Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
86,745	84,988	85,553	85,627	86,338	85,832	86,536	86,772	Manufacture of non-metallic mineral products n.e.c.
								Manufacture of refractory mortars and concretes
11,683	11,585	11,313	11,252	11,268	10,991	11,338	11,409	Manufacture of non-refractory ceramic
5,359	5,271	5,227	5,206	5,025	5,115	5,087	5,100	Manufacture of other porcelain and ceramic products
7,418	7,392	7,379	7,357	7,368	7,370	7,642	7,667	Manufacture of hydraulic cement
15,337	15,129	15,389	15,811	16,178	15,710	15,973	16,004	Manufacture of ready-mix and dry-mix concrete and mortars
								Manufacture of precast concrete, cement or artificial stone articles for use in construction
29,741	28,821	29,373	29,177	29,458	29,408	30,169	30,295	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
								Manufacture of other articles of concrete, cement and plaster n.e.c.
8,478	8,199	8,285	8,250	8,417	8,605	8,624	8,590	Manufacture of other non-metallic mineral products n.e.c.
8,730	8,591	8,588	8,574	8,624	8,633	7,703	7,707	Other industry
51,505	51,756	50,837	50,710	50,739	51,914	51,801	54,326	Manufacture of basic iron and steel
42,833	41,629	41,339	41,298	41,662	41,874	41,967	41,977	Manufacture of basic precious and other non-ferrous metals
14,582	14,511	14,100	14,448	14,507	14,504	14,750	14,773	Casting of metals
60,224	57,540	58,258	58,340	59,885	60,091	59,486	59,684	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
								Manufacture of metal doors, windows and their frames, shutters and gates
41,579	39,080	39,772	39,969	41,148	41,208	40,222	40,418	Manufacture of other structural metal products
10,668	10,497	10,584	10,459	10,807	10,869	10,959	10,948	Manufacture of tanks, reservoirs and containers of metal
7,977	7,963	7,901	7,913	7,930	8,015	8,305	8,319	Other industry
95,505	94,320	93,610	93,585	94,729	95,369	96,059	96,998	Manufacture of other fabricated metal products; metal working service activities
21,524	21,444	21,160	21,160	21,559	21,716	21,806	21,823	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
12,218	11,930	11,984	11,726	11,648	11,872	12,055	12,158	Treatment and coating of metals; machining
7,647	7,596	7,512	7,461	7,470	7,600	7,685	7,800	Manufacture of tins and cans for food products, collapsible tubes and boxes
								Manufacture of metal cable, plaited bands and similar articles
18,669	18,562	18,380	18,487	19,134	19,015	19,260	19,308	Manufacture of bolts, screws, nuts and similar threaded products
3,507	3,141	3,018	3,035	3,064	3,057	3,210	3,194	Manufacture of metal household articles
21,717	21,518	21,359	21,468	21,619	21,710	21,563	22,227	Manufacture of any other fabricated metal products n.e.c.
10,223	10,127	10,195	10,248	10,236	10,399	10,480	10,488	Other industry
207,783	209,068	209,535	211,189	211,084	215,201	216,965	218,374	Manufacture of electronic components and boards
								Manufacture of diodes, transistors and similar semiconductor devices
115,969	116,030	116,405	118,017	118,140	118,487	119,077	119,761	Manufacture of electronic integrated circuits micro assemblies
								Manufacture of electrical capacitors and resistors
77,823	78,999	79,154	79,289	79,110	82,840	83,795	84,490	Manufacture of printed circuit boards
								Manufacture of display components
13,991	14,039	13,975	13,883	13,835	13,874	14,092	14,124	Manufacture of other components for electronic applications
61,768	61,865	62,743	63,212	63,876	63,930	65,743	65,839	Manufacture of computers and peripheral equipment
23,855	24,201	24,107	24,231	24,171	24,286	24,497	24,324	Manufacture of communication equipment
33,670	33,516	31,842	33,292	34,256	34,864	34,181	33,782	Manufacture of consumer electronics
28,664	28,467	28,465	28,644	28,652	28,749	29,282	29,332	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
								Manufacture of measuring, testing, navigating and control equipment
22,176	22,100	22,219	22,384	22,424	22,567	22,516	22,605	Manufacture of industrial process control equipment
6,488	6,367	6,246	6,261	6,228	6,181	6,766	6,727	Manufacture of watches and clocks and parts
12,905	13,088	13,284	13,448	13,384	13,324	12,968	12,927	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2021	2020				2021		
					Q1	Q2	Q3	Q4	Q1	Q2	Q3
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	6,642	6,472	5,900	7,108	6,674	6,586	6,472	6,353	6,352	6,261
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	38,420	40,572	43,287	39,219	39,273	40,234	40,572	41,568	40,743	42,472
	27101 Pembuatan motor elektrik, penjana dan transformer	16,945	17,997	19,041	17,602	17,318	17,753	17,997	19,015	18,385	18,891
	27102 Pembuatan perkakasan pengagihan dan	21,475	22,575	24,245	21,617	21,955	22,480	22,575	22,552	22,358	23,582
272/ 27200	Pembuatan bateri dan akumulator	8,040	8,792	8,019	8,062	8,576	8,796	8,792	8,964	8,620	8,604
273	Pembuatan pendawaian dan peranti pendawaian	22,035	22,421	24,181	22,010	20,297	21,059	22,421	21,783	22,241	23,044
	27310 Pembuatan kabel gentian optikal	1,005	890	887	1,005	912	906	890	887	874	946
	27320 Pembuatan wayar dan kabel elektronik dan elektrik	19,617	20,112	21,561	19,542	17,949	18,724	20,112	19,449	19,631	20,353
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1,413	1,419	1,733	1,464	1,436	1,428	1,419	1,447	1,736	1,745
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	5,146	4,551	3,692	4,976	4,514	4,511	4,551	4,415	4,321	4,105
275/ 27500	Pembuatan perkakasan domestik	15,441	14,831	15,318	15,471	15,262	15,195	14,831	15,462	15,009	14,755
279/ 27900	Pembuatan kelengkapan elektrik lain	6,373	7,545	7,583	6,435	6,602	7,402	7,545	7,466	7,335	7,381
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	91,161	91,983	92,969	89,689	90,785	91,320	91,983	92,497	93,644	91,587
	28120 & Pembuatan alat-alat kuasa bendalir										
	28130 Pembuatan pam, pemampat, kepala paip dan injap lain	6,692	6,219	7,625	6,712	6,161	6,032	6,219	6,250	6,121	6,262
	28180 & Pembuatan alatan tangan yang menggunakan kuasa dioperasikan dengan motor elektrik atau bukan motor elektrik atau pneumatik	23,539	23,763	22,560	22,543	22,916	23,505	23,763	23,726	23,781	23,311
	28220 Pembuatan jentera pembentukan logam dan alatan mesin										
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	9,864	9,507	8,760	10,224	9,325	9,400	9,507	9,240	9,077	8,696
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	10,814	9,915	9,574	10,454	10,493	10,092	9,915	9,890	9,850	9,395
		40,252	42,579	44,450	39,755	41,890	42,292	42,579	43,391	44,816	43,922
291 (29101 & 29102)	Pembuatan kenderaan bermotor	26,330	23,829	24,246	26,119	23,551	23,416	23,829	23,975	23,655	23,976
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	7,712	6,578	6,504	8,097	6,601	6,517	6,578	6,509	6,563	6,572
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	55,113	52,586	53,048	55,860	52,009	52,198	52,586	52,742	52,493	52,484
301 (30110 & 30120)	Pembinaan kapal dan bot	13,087	12,926	12,847	13,409	12,565	13,073	12,926	13,318	12,340	12,971
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	32,326	28,327	28,749	32,796	28,007	28,481	28,327	29,773	28,366	28,632
	30910 Pembuatan motosikal	11,934	11,021	11,399	12,608	11,009	11,005	11,021	11,645	11,084	11,280
	30920 Pembuatan basikal dan invalid carriages	4,502	3,467	3,222	4,438	3,172	3,331	3,467	3,861	3,372	3,237
	Industri lain	15,890	13,839	14,129	15,751	13,826	14,145	13,839	14,267	13,910	14,115
310	Pembuatan perabot	76,116	73,877	76,839	76,145	73,944	74,144	73,877	75,614	72,124	77,542
	31001 Pembuatan perabot kayu dan rotan	57,788	55,809	58,845	57,768	56,548	56,440	55,809	56,642	53,543	58,867
	Industri lain	18,328	18,068	17,994	18,376	17,396	17,704	18,068	18,971	18,581	18,674
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	6,248	5,635	5,401	5,974	5,751	5,712	5,635	5,436	5,268	5,284
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	22,938	24,317	26,303	23,875	24,281	24,265	24,317	25,614	25,402	25,565
	32901 Pembuatan alat tulis	5,820	6,148	6,332	6,314	6,264	6,260	6,148	6,063	5,975	6,016
	Industri lain	17,118	18,169	19,972	17,561	18,018	18,005	18,169	19,551	19,427	19,549
323/ 32300	Pembuatan barangan sukan	2,388	2,360	2,667	2,311	2,397	2,396	2,360	2,652	2,564	2,526
324/ 32400	Pembuatan permainan dan mainan	5,160	4,826	4,851	5,324	5,089	5,134	4,826	4,882	4,698	4,800
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	41,056	39,976	41,456	40,771	39,427	40,063	39,976	41,113	40,018	41,003
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	7,556	7,112	6,594	7,673	7,175	6,902	7,112	6,963	6,648	6,610
	Industri lain	33,500	32,864	34,861	33,098	32,253	33,161	32,864	34,151	33,370	34,392
Jumlah Pembuatan		2,243,788	2,199,195	2,259,619	2,257,273	2,188,142	2,195,300	2,199,195	2,233,545	2,215,420	2,231,406

Q4	2020	2021	2020								Group Description/Period
	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Oct.	
5,900	6,472	5,900	6,540	7,100	7,108	6,977	6,867	6,674	6,588	6,559	Manufacture of optical instruments, photographic equipment, magnetic and optical media
43,287	40,572	43,287	39,134	39,365	39,219	38,902	39,058	39,273	39,556	39,985	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
19,041	17,997	19,041	17,552	17,691	17,602	17,281	17,306	17,318	17,478	17,465	Manufacture of electric motors, generators and transformers
24,245	22,575	24,245	21,582	21,674	21,617	21,622	21,752	21,955	22,078	22,519	Manufacture of electricity distribution and control apparatus
8,019	8,792	8,019	8,099	8,115	8,062	8,155	8,276	8,576	8,620	8,674	Manufacture of batteries and accumulators
24,181	22,421	24,181	22,131	22,160	22,010	20,597	20,247	20,297	20,329	20,867	Manufacture of wiring and wiring devices
887	890	887	1,013	1,014	1,005	903	904	912	912	910	Manufacture of fibre optic cables
21,561	20,112	21,561	19,673	19,687	19,542	18,235	17,889	17,949	17,981	18,520	Manufacture of other electronic and electric wires and cables
1,733	1,419	1,733	1,445	1,459	1,464	1,459	1,454	1,436	1,436	1,437	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
3,692	4,551	3,692	5,119	5,001	4,976	4,593	4,554	4,514	4,492	4,522	Manufacture of electric lighting equipment
15,318	14,831	15,318	15,761	15,715	15,471	15,222	15,027	15,262	15,202	15,266	Manufacture of domestic appliances
7,583	7,545	7,583	6,328	6,410	6,435	6,379	6,400	6,602	7,084	7,148	Manufacture of other electrical equipment
92,969	91,983	92,969	91,161	92,336	89,689	89,216	89,437	90,785	90,834	90,759	Manufacture of general-purpose and special-purpose machinery
											Manufacture of fluid power equipment
7,625	6,219	7,625	6,713	6,779	6,712	6,636	6,243	6,161	6,040	6,010	Manufacture of other pumps, compressors, taps and valves
											Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
22,560	23,763	22,560	22,674	23,146	22,543	22,714	22,685	22,916	23,270	23,275	Manufacture of metal-forming machinery and machine tools
8,760	9,507	8,760	10,757	11,181	10,224	9,155	9,143	9,325	9,117	9,138	Manufacture of air-conditioning machines, including for motor vehicles
9,574	9,915	9,574	10,400	10,826	10,454	10,312	10,558	10,493	10,466	10,439	Manufacture of other special-purpose machinery n.e.c.
44,450	42,579	44,450	40,617	40,404	39,755	40,400	40,809	41,890	41,941	41,898	Other industry
24,246	23,829	24,246	26,457	26,218	26,119	23,871	23,670	23,551	23,493	23,388	Manufacture of motor vehicles
6,504	6,578	6,504	8,162	8,234	8,097	6,891	6,354	6,601	6,425	6,501	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
53,048	52,586	53,048	55,895	56,086	55,860	52,552	51,243	52,009	52,388	52,364	Manufacture of parts and accessories for motor vehicles
12,847	12,926	12,847	13,746	13,395	13,409	12,350	12,590	12,565	12,994	12,968	Building of ships and boats
28,749	28,327	28,749	33,183	33,241	32,796	28,658	28,526	28,007	28,532	28,420	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
11,399	11,021	11,399	12,464	12,575	12,608	11,134	11,061	11,009	10,996	10,938	Manufacture of motorcycles
3,222	3,467	3,222	4,555	4,442	4,438	3,213	3,185	3,172	3,212	3,163	Manufacture of bicycles and invalid carriages
14,129	13,839	14,129	16,163	16,224	15,751	14,311	14,279	13,826	14,324	14,319	Other industry
76,839	73,877	76,839	76,003	76,140	76,145	72,412	73,739	73,944	73,947	73,949	Manufacture of furniture
58,845	55,809	58,845	57,633	57,728	57,768	56,041	56,316	56,548	56,351	56,341	Manufacture of wooden and cane furniture
17,994	18,068	17,994	18,370	18,412	18,376	16,372	17,424	17,396	17,596	17,608	Other industry
5,401	5,635	5,401	6,366	5,974	5,974	5,598	5,913	5,751	5,715	5,724	Manufacture of jewellery, bijouterie and related articles
26,303	24,317	26,303	23,766	24,101	23,875	23,713	23,899	24,281	24,201	24,084	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
6,332	6,148	6,332	6,371	6,493	6,314	6,163	6,141	6,264	6,213	6,167	Manufacture of stationery
19,972	18,169	19,972	17,395	17,608	17,561	17,550	17,758	18,018	17,987	17,917	Other industry
2,667	2,360	2,667	2,352	2,314	2,311	2,385	2,399	2,397	2,388	2,403	Manufacture of sports goods
4,851	4,826	4,851	5,315	5,315	5,324	5,367	5,084	5,089	5,072	5,102	Manufacture of games and toys
41,456	39,976	41,456	42,479	42,010	40,771	40,357	39,655	39,427	39,856	39,866	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
6,594	7,112	6,594	7,926	8,025	7,673	7,228	7,224	7,175	6,894	6,887	Repair and maintenance of transport equipment except motorcycles and bicycles
34,861	32,864	34,861	34,552	33,985	33,098	33,129	32,432	32,253	32,962	32,980	Other industry
2,259,619	#####	#####	2,280,951	2,277,882	2,257,273	2,169,473	2,175,145	2,188,142	2,192,260	2,190,787	Total Manufacturing

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020							
		Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	6,586	6,558	6,513	6,472	6,463	6,398	6,353	6,366
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	40,234	40,434	40,516	40,572	41,462	41,486	41,568	40,844
	27101 Pembuatan motor elektrik, penjana dan transformer	17,753	17,891	17,956	17,997	18,932	18,974	19,015	18,482
	27102 Pembuatan perkakasan pengagihan dan	22,480	22,543	22,560	22,575	22,530	22,512	22,552	22,362
272/ 27200	Pembuatan bateri dan akumulator	8,796	8,775	8,892	8,792	8,982	8,923	8,964	8,913
273	Pembuatan pendawaian dan peranti pendawaian	21,059	22,270	22,540	22,421	22,193	21,960	21,783	21,562
	27310 Pembuatan kabel gentian optikal	906	889	880	890	878	883	887	871
	27320 Pembuatan wayar dan kabel elektronik dan elektrik	18,724	19,953	20,232	20,112	19,886	19,639	19,449	19,235
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1,428	1,428	1,428	1,419	1,429	1,438	1,447	1,457
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	4,511	4,537	4,485	4,551	4,529	4,471	4,415	4,354
275/ 27500	Pembuatan perkakasan domestik	15,195	14,861	14,866	14,831	14,887	14,826	15,462	15,283
279/ 27900	Pembuatan kelengkapan elektrik lain	7,402	7,513	7,599	7,545	7,510	7,488	7,466	7,451
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	91,320	90,464	91,818	91,983	92,485	93,802	92,497	92,927
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	6,032	5,980	6,213	6,219	6,213	6,232	6,250	6,305
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	23,505	23,219	23,813	23,763	23,589	24,069	23,726	24,041
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	9,400	9,286	9,433	9,507	9,203	9,267	9,240	9,212
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	10,092	9,964	9,961	9,915	9,937	9,913	9,890	10,046
		42,292	42,015	42,398	42,579	43,542	44,321	43,391	43,323
291 (29101 & 29102)	Pembuatan kenderaan bermotor	23,416	23,243	23,808	23,829	23,849	24,062	23,975	23,945
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	6,517	6,517	6,527	6,578	6,610	6,606	6,509	6,642
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	52,198	52,162	52,448	52,586	52,479	52,810	52,742	52,895
301 (30110 & 30120)	Pembinaan kapal dan bot	13,073	12,831	12,917	12,926	13,112	13,153	13,318	12,565
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	28,481	28,451	28,556	28,327	29,686	29,734	29,773	28,817
	30910 Pembuatan motosikal	11,005	11,062	11,138	11,021	11,329	11,486	11,645	11,202
	30920 Pembuatan basikal dan invalid carriages	3,331	3,352	3,387	3,467	3,846	3,853	3,861	3,504
	Industri lain	14,145	14,037	14,031	13,839	14,511	14,395	14,267	14,111
310	Pembuatan perabot	74,144	73,630	73,807	73,877	75,049	75,267	75,614	76,594
	31001 Pembuatan perabot kayu dan rotan	56,440	56,235	56,279	55,809	56,054	56,219	56,642	57,602
	Industri lain	17,704	17,394	17,528	18,068	18,995	19,047	18,971	18,991
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	5,712	5,685	5,650	5,635	5,770	5,701	5,436	5,406
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	24,265	24,164	24,283	24,317	24,996	25,486	25,614	25,717
	32901 Pembuatan alat tulis	6,260	6,223	6,172	6,148	6,163	6,047	6,063	6,053
	Industri lain	18,005	17,941	18,111	18,169	18,833	19,439	19,551	19,664
323/ 32300	Pembuatan barangan sukan	2,396	2,367	2,376	2,360	2,636	2,644	2,652	2,604
324/ 32400	Pembuatan permainan dan mainan	5,134	4,987	4,893	4,826	4,912	4,847	4,882	4,805
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	40,063	39,952	40,013	39,976	41,454	41,750	41,113	41,056
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	6,902	6,891	7,007	7,112	7,278	7,123	6,963	6,963
	Industri lain	33,161	33,061	33,006	32,864	34,177	34,628	34,151	34,093
Jumlah Pembuatan		2,195,300	2,188,520	2,195,488	2,199,195	2,225,697	2,228,415	2,233,545	2,235,004

2021								Group Description/Period
Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
6,392	6,352	6,229	6,310	6,261	6,245	5,881	5,900	Manufacture of optical instruments, photographic equipment, magnetic and optical media
40,743	40,743	40,648	41,650	42,472	42,612	42,531	43,287	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
18,337	18,385	18,476	18,568	18,891	18,853	18,717	19,041	Manufacture of electric motors, generators and transformers
22,406	22,358	22,172	23,082	23,582	23,759	23,815	24,245	Manufacture of electricity distribution and control apparatus
9,007	8,620	8,504	8,992	8,604	8,585	8,093	8,019	Manufacture of batteries and accumulators
21,782	22,241	22,123	22,611	23,044	23,442	23,827	24,181	Manufacture of wiring and wiring devices
878	874	886	883	946	944	860	887	Manufacture of fibre optic cables
19,434	19,631	19,506	19,983	20,353	20,748	21,203	21,561	Manufacture of other electronic and electric wires and cables
1,471	1,736	1,731	1,745	1,745	1,750	1,764	1,733	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
4,327	4,321	4,237	4,154	4,105	4,067	3,717	3,692	Manufacture of electric lighting equipment
15,137	15,009	14,792	14,808	14,755	15,033	15,193	15,318	Manufacture of domestic appliances
7,441	7,335	7,347	7,310	7,381	7,336	7,591	7,583	Manufacture of other electrical equipment
92,530	93,644	91,679	91,687	91,587	91,552	93,169	92,969	Manufacture of general-purpose and special-purpose machinery
								Manufacture of fluid power equipment
6,268	6,121	6,217	6,232	6,262	6,181	7,742	7,625	Manufacture of other pumps, compressors, taps and valves
								Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
23,846	23,781	23,448	23,383	23,311	23,353	22,634	22,560	Manufacture of metal-forming machinery and machine tools
9,096	9,077	8,592	8,658	8,696	8,497	8,681	8,760	Manufacture of air-conditioning machines, including for motor vehicles
10,069	9,850	9,859	9,746	9,395	9,478	9,512	9,574	Manufacture of other special-purpose machinery n.e.c.
43,252	44,816	43,563	43,668	43,922	44,043	44,599	44,450	Other industry
23,891	23,655	23,434	23,526	23,976	24,115	24,148	24,246	Manufacture of motor vehicles
6,676	6,563	6,546	6,550	6,572	6,598	6,534	6,504	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
52,709	52,493	52,226	51,997	52,484	52,880	52,920	53,048	Manufacture of parts and accessories for motor vehicles
12,629	12,340	12,325	12,356	12,971	13,048	13,103	12,847	Building of ships and boats
28,650	28,366	28,305	28,231	28,632	28,911	28,889	28,749	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
11,113	11,084	11,045	11,042	11,280	11,521	11,495	11,399	Manufacture of motorcycles
3,445	3,372	3,338	3,262	3,237	3,230	3,231	3,222	Manufacture of bicycles and invalid carriages
14,093	13,910	13,922	13,927	14,115	14,160	14,163	14,129	Other industry
76,376	72,124	70,706	70,892	77,542	76,979	77,243	76,839	Manufacture of furniture
57,460	53,543	52,111	52,285	58,867	58,517	58,980	58,845	Manufacture of wooden and cane furniture
18,916	18,581	18,594	18,607	18,674	18,462	18,263	17,994	Other industry
5,368	5,268	5,338	5,327	5,284	5,319	5,431	5,401	Manufacture of jewellery, bijouterie and related articles
25,691	25,402	25,395	25,385	25,565	25,737	26,138	26,303	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
6,026	5,975	5,957	5,929	6,016	6,161	6,285	6,332	Manufacture of stationery
19,665	19,427	19,437	19,456	19,549	19,576	19,854	19,972	Other industry
2,601	2,564	2,562	2,537	2,526	2,548	2,633	2,667	Manufacture of sports goods
4,731	4,698	4,699	4,715	4,800	4,818	4,783	4,851	Manufacture of games and toys
40,989	40,018	40,374	40,635	41,003	41,610	41,922	41,456	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
6,982	6,648	6,618	6,602	6,610	6,570	6,761	6,594	Repair and maintenance of transport equipment except motorcycles and bicycles
34,008	33,370	33,756	34,033	34,392	35,040	35,161	34,861	Other industry
2,236,459	2,215,420	2,210,084	2,213,715	2,231,406	2,241,048	2,253,574	2,259,619	Total Manufacturing

Jadual **1.5b** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : Number of Paid Employees of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020										2021									
		2020					2021					2020					2021				
		2020	2021	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mac	Apr.	Mei			
101	Pemprosesan dan pengawetan daging	-4.3	1.1	-1.3	-3.7	-8.0	-4.3	-0.7	1.2	2.0	1.1	-5.0	1.1	-5.2	-2.9	-1.3	-1.8	-0.9			
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-9.3	2.2	-2.6	-4.9	-5.3	-9.3	-1.0	-0.4	-0.1	2.2	-8.6	2.2	-4.3	-1.3	-2.6	-9.3	-8.2			
	10201 Pengetinan ikan, krustasea dan moluska																				
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	-7.0	-0.6	-1.3	-1.8	-3.0	-7.0	-0.3	-0.8	-1.4	-0.6	-5.7	-0.6	-4.1	-0.8	-1.3	-6.7	-5.9			
	Industri lain	-20.9	19.5	-9.1	-20.8	-17.0	-20.9	-4.9	2.1	7.9	19.5	-23.1	19.5	-4.8	-3.8	-9.1	-22.9	-20.7			
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	5.5	-9.1	12.0	14.8	6.6	5.5	-2.5	-7.9	-8.7	-9.1	3.7	-9.1	12.0	12.7	12.0	26.0	18.4			
	10303 Pengetinan nanas																				
	10304 Pembuatan jem, marmalad dan sajian jeli	9.8	-50.6	11.4	4.0	11.8	9.8	8.0	6.9	-51.0	-50.6	11.4	-50.6	14.1	12.4	11.4	9.7	3.2			
	Industri lain	5.0	-4.5	12.0	15.9	6.1	5.0	-3.6	-9.3	-4.0	-4.5	2.9	-4.5	11.8	12.7	12.0	27.6	20.0			
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	-1.3	2.9	-0.1	-2.6	-0.7	-1.3	-1.9	-3.2	-0.3	2.9	-1.5	2.9	0.6	0.0	-0.1	-1.6	-1.8			
	10404 Pembuatan minyak sayuran mentah dan bertapis																				
	10406 Pembuatan sebatian lemak masakan	-1.8	5.5	5.2	-2.6	0.1	-1.8	-2.5	3.5	-0.1	5.5	1.2	5.5	9.2	3.6	5.2	-4.9	-8.7			
	10405 Pembuatan minyak kelapa	-1.8	2.9	5.0	2.6	-1.9	-1.8	2.2	0.8	0.3	2.9	-2.0	2.9	15.8	4.2	5.0	8.1	1.6			
	Industri lain	-1.3	2.7	-0.5	-2.7	-0.7	-1.3	-2.0	-3.7	-0.3	2.7	-1.6	2.7	-0.2	-0.3	-0.5	-1.7	-1.5			
105	Pembuatan produk tenusu	-4.2	1.8	-0.3	-0.2	-1.1	-4.2	4.8	4.1	3.2	1.8	-3.9	1.8	7.3	6.0	-0.3	0.4	-0.8			
	10502 Pembuatan susu pekat, tepung dan sejat	-7.7	3.1	0.6	-1.7	-2.6	-7.7	3.9	5.2	4.0	3.1	-7.5	3.1	6.9	8.3	0.6	-1.1	-2.0			
	Industri lain	7.1	-1.7	-3.0	4.0	3.5	7.1	7.4	0.9	0.9	-1.7	7.6	-1.7	8.8	-0.7	-3.0	4.7	2.6			
106	Pembuatan produk bijian, kanji dan produk berkanji	1.0	5.1	0.8	0.6	0.4	1.0	-0.9	2.2	5.1	5.1	0.5	5.1	0.2	0.3	0.8	3.5	2.0			
	10611 Pengilangan beras	0.7	4.5	1.9	1.0	0.4	0.7	0.9	2.5	8.3	4.5	-1.1	4.5	-0.2	0.7	1.9	3.3	0.9			
	10613 Pengilangan tepung	1.4	5.6	-1.3	1.6	1.6	1.4	-1.1	2.1	2.6	5.6	1.7	5.6	-1.5	-1.9	-1.3	2.3	2.0			
	Industri lain	0.3	5.2	4.9	-5.8	-5.2	0.3	-7.6	1.0	1.0	5.2	2.6	5.2	10.8	9.0	4.9	8.9	6.8			
107	Pembuatan produk makanan lain	2.2	6.4	0.3	0.6	2.0	2.2	4.6	4.7	4.5	6.4	2.9	6.4	0.3	0.2	0.3	-1.2	-1.2			
	10711 Pembuatan biskut dan cookies	5.0	18.4	-2.0	-0.2	0.1	5.0	1.6	-1.1	-2.5	18.4	6.4	18.4	-2.0	-0.5	-2.0	-0.1	0.0			
	10712 Pembuatan roti, kek dan produk bakeri lain	-4.8	7.5	1.2	-2.5	-3.0	-4.8	-3.8	5.6	6.5	7.5	-4.1	7.5	1.6	0.7	1.2	-2.9	-4.6			
	10713 Pembuatan produk snek	-2.8	-3.8	4.8	2.3	0.7	-2.8	-1.8	-1.1	-3.6	-3.8	-0.8	-3.8	7.3	7.1	4.8	3.9	3.1			
	10721 Pembuatan gula	-11.5	-3.2	-6.1	0.3	-11.1	-11.5	-10.9	-12.1	0.2	-3.2	-11.0	-3.2	-4.8	-5.6	-6.1	-5.5	-3.0			
	10731 Pembuatan produk koko	-1.7	-5.1	1.1	7.0	6.2	-1.7	-4.6	-10.8	-12.2	-5.1	-0.1	-5.1	8.5	2.8	1.1	-0.4	-1.7			
	10732 Pembuatan coklat dan produk coklat																				
	10733 Pembuatan konfeksi gula	-11.8	-8.0	-2.5	-6.9	-9.3	-11.8	-8.2	-5.0	-6.2	-8.0	-11.9	-8.0	-3.6	-0.4	-2.5	-5.3	-7.5			
	10793 Pembuatan sos dan bahan perasa	2.7	18.4	0.2	4.2	2.9	2.7	17.3	11.3	11.3	18.4	2.5	18.4	-0.7	0.6	0.2	1.7	2.5			
	10799 Pembuatan produk makanan lain t.t.l.l.	8.9	7.6	-1.4	4.1	5.8	8.9	26.2	19.5	18.5	7.6	10.6	7.6	1.3	0.5	-1.4	-3.6	-2.8			
	Industri lain	13.4	5.4	1.0	2.9	10.8	13.4	9.8	5.6	5.3	5.4	13.0	5.4	-1.2	-1.7	1.0	0.3	2.2			
108/ 10800	Pembuatan makanan haiwan tersedia	-4.6	-16.9	17.1	13.5	11.7	-4.6	-6.8	-6.1	-16.7	-16.9	4.6	-16.9	19.5	19.3	17.1	11.8	11.6			
110	Pembuatan minuman ringan	-10.7	1.7	2.0	-9.4	-9.0	-10.7	-10.6	-2.1	0.7	1.7	-10.1	1.7	2.4	2.7	2.0	-7.1	-9.0			
	11041 Pembuatan minuman ringan	-9.2	0.0	3.7	-7.7	-6.7	-9.2	-12.9	-2.7	-2.8	0.0	-8.1	0.0	1.3	4.3	3.7	-6.9	-6.9			
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-11.6	-3.6	0.8	-11.2	-12.0	-11.6	-8.6	-6.3	-4.1	-3.6	-11.7	-3.6	6.8	2.8	0.8	-8.1	-10.3			
	Industri lain	-18.8	34.0	-6.2	-16.7	-16.6	-18.8	0.9	17.6	45.2	34.0	-19.2	34.0	-1.7	-8.6	-6.2	-5.2	-20.9			
120/ 12000	Pembuatan produk tembakau	-27.4	3.3	-0.4	-41.3	-32.4	-27.4	-12.8	17.6	11.1	3.3	-25.2	3.3	1.6	0.1	-0.4	-40.8	-41.0			
131	Pemintalan, penenunan dan penyiapan tekstil	-7.4	-0.4	-0.9	-4.6	-6.9	-7.4	-7.4	-6.7	-2.8	-0.4	-8.1	-0.4	1.3	0.5	-0.9	-8.2	-7.1			
	13110 Penyediaan dan pemintalan gentian tekstil																				
	13120 Penenunan tekstil	-2.7	-5.8	-0.1	-2.5	-3.2	-2.7	-4.2	-5.1	-6.6	-5.8	-3.2	-5.8	3.3	2.6	-0.1	-2.6	-3.4			
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-16.9	26.6	1.7	-9.0	-17.0	-16.9	-14.6	-6.9	16.0	26.6	-18.6	26.6	3.2	2.8	1.7	-3.4	-7.9			
	Industri lain	-23.4	-37.5	-18.7	-11.6	-11.1	-23.4	-16.1	-27.3	-26.6	-37.5	-21.8	-37.5	-23.8	-26.0	-18.7	-82.4	-50.0			
139	Pembuatan tekstil lain	-4.1	8.2	2.2	-5.1	-4.0	-4.1	-1.7	1.4	3.6	8.2	-4.5	8.2	0.0	2.3	2.2	-7.8	-2.7			
	13910 Pembuatan fabrik dikait dan dikrusye	-5.6	10.9	1.0	-5.2	-4.7	-5.6	-3.4	3.4	5.4	10.9	-6.6	10.9	-0.3	2.4	1.0	-2.9	-1.6			
	Industri lain	-3.1	6.5	3.1	-5.0	-3.6	-3.1	-0.6	0.1	2.4	6.5	-3.1	6.5	0.1	2.2	3.1	-10.8	-3.4			
141	Pembuatan pakaian, kecuali pakaian berbulu	-21.5	1.9	2.3	-7.0	-18.7	-21.5	-23.2	-19.0	-8.9	1.9	-21.7	1.9	2.6	2.7	2.3	-7.2	-5.4			
	14102 Pembuatan pakaian	-26.1	3.2	1.6	-8.0	-22.0	-26.1	-27.6	-21.5	-8.0	3.2	-26.1	3.2	2.0	2.2	1.6	-6.2	-5.1			
	Industri lain	-7.0	-1.3	4.6	-4.0	-8.4	-7.0	-9.3	-11.5	-11.3	-1.3	-7.8	-1.3	4.5	4.2	4.6	-10.2	-6.4			
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	-23.7	-19.1	1.5	-21.4	-28.3	-23.7	-30.8	-12.2	-20.1	-19.1	-25.3	-19.1	8.0	11.5	1.5	-15.7	-21.7			
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	0.04	7.7	2.7	-3.5	-1.2	0.04	0.4	2.7	7.4	7.7	0.2	7.7	4.3	4.0	2.7	-1.6	-5.7			
152	Pembuatan kasut	-5.0	0.3	1.0	-4.4	-9.5	-5.0	-5.0	-5.5	-0.9	0.3	-5.6	0.3	2.1	2.8	1.0	-5.9	-4.3			
	15201 Pembuatan kasut kulit																				
	15203 Pembuatan kasut getah	-6.7	-2.0	0.8	-9.9	-13.5	-6.7	-7.6	-5.9	-4.2	-2.0	-7.7	-2.0	-1.9	5.0	0.8	-9.9	-8.5			
	Industri lain	-2.9	3.2	1.4	3.3	-4.2	-2.9	-1.6	-5.1	3.0	3.2	-2.6	3.2	7.6	0.0	1.4	-0.6	1.5			
161/ 16100	Pengilangan dan pengetaman kayu	-6.4	4.2	3.0	-15.0	-8.9	-6.4	-6.6	-5.9	2.9	4.2	-8.8	4.2	-2.0	-1.4	3.0	-19.6	-15.9			

2020							2021												Group Description/Period				
Jun	Jul	Ogo	Sep	Okt	Nov	Dis	Jan	Feb	Mar	Apr	Mei	Jun	Jul	Ogo	Sep	Okt	Nov	Dis					
-3.7	-6.6	-8.1	-8.0	-4.8	-4.9	-4.3	2.2	0.1	-0.7	-0.2	0.5	1.2	1.4	0.8	2.0	2.5	1.9	1.1	Processing and preserving of meat				
-4.9	-6.3	-4.8	-5.3	-6.7	-8.5	-9.3	0.4	-1.4	-1.0	5.5	3.6	-0.4	-0.4	-1.1	-0.1	-0.1	0.5	2.2	Processing and preserving of fish, crustaceans and molluscs Canning of fish, crustaceans and molluscs				
-1.8	-3.9	-2.9	-3.0	-4.5	-5.8	-7.0	2.0	-0.2	-0.3	4.2	2.5	-0.8	-1.1	-1.7	-1.4	-1.6	-1.9	-0.6	Processing, curing and preserving of fish, crustacean and molluscs				
-20.8	-18.9	-15.2	-17.0	-18.1	-22.0	-20.9	-7.8	-7.7	-4.9	13.9	10.4	2.1	3.5	3.0	7.9	9.3	15.0	19.5	Other industry				
14.8	13.9	10.6	3.9	3.3	3.4	5.5	-4.5	-4.4	-2.5	-14.5	-8.0	-7.9	-1.0	-9.8	-8.7	-10.3	-10.5	-9.1	Processing and preserving of fruits and vegetable Pineapple canning				
4.0	12.6	8.5	11.8	11.3	10.6	9.8	6.2	7.5	8.0	9.1	7.2	6.9	-3.2	-49.5	-51.0	-50.9	-51.5	-50.6	Manufacture of jams, marmalades and table jellies				
15.9	14.0	10.9	3.1	2.5	2.7	5.0	-5.6	-5.6	-3.6	-16.5	-9.4	-9.3	-0.8	-5.7	-4.0	-5.8	-6.0	-4.5	Other industry				
-2.6	-2.1	-2.1	-3.6	-1.9	-1.3	-1.3	-3.9	-3.7	-1.9	-2.9	-2.2	-3.2	-1.6	-1.9	-0.3	0.4	2.0	2.9	Manufacture of vegetable and animal oils and fats Manufacture of crude and refined vegetable oil				
-2.6	0.7	-2.8	-0.4	0.9	1.3	-1.8	-8.2	-3.8	-2.5	5.6	10.4	3.5	0.8	1.1	-0.1	0.1	5.3	5.5	Manufacture of compound cooking fats				
2.6	-3.3	-2.3	-1.9	-1.6	-1.9	-1.8	-2.4	2.2	2.2	1.4	1.1	0.8	0.0	0.2	0.3	0.0	2.9	2.9	Manufacture of coconut oil				
-2.7	-2.2	-2.0	-3.8	-2.0	-1.4	-1.3	-3.7	-3.9	-2.0	-3.5	-2.9	-3.7	-1.8	-2.1	-0.3	0.4	1.8	2.7	Other industry				
-0.2	0.3	-0.1	-1.1	-2.5	-3.5	-4.2	-2.5	-0.5	4.8	5.3	4.0	4.1	3.6	3.2	3.2	1.7	1.4	1.8	Manufacture of dairy products				
-1.7	-1.7	-2.0	-2.6	-5.9	-7.0	-7.7	-2.9	-2.1	3.9	6.2	4.8	5.2	4.5	4.3	4.0	2.5	2.4	3.1	Manufacture of condensed, powdered and evaporated milk				
4.0	6.2	5.6	3.5	8.1	7.8	7.1	-1.1	4.6	7.4	2.8	2.1	0.9	0.9	0.2	0.9	-0.3	-1.5	-1.7	Other industry				
0.6	0.0	-0.4	0.4	-1.1	0.5	1.0	-0.3	-0.3	-0.9	-1.1	0.7	2.2	2.1	3.6	5.1	5.5	4.2	5.1	Manufacture of grain mill products, starches and starch products				
1.0	0.8	0.0	0.4	-1.9	-0.8	0.7	1.5	1.3	0.9	-0.4	2.1	2.5	2.0	6.0	8.3	9.4	5.0	4.5	Rice milling				
1.6	0.5	0.8	1.6	0.7	0.9	1.4	-1.5	-0.8	-1.1	0.6	1.9	2.1	2.1	2.2	2.6	2.2	4.6	5.6	Flour milling				
-5.8	-6.1	-7.2	-5.2	-5.9	5.0	0.3	-3.5	-5.3	-7.6	-10.6	-10.1	1.0	2.5	-2.1	1.0	2.2	-0.7	5.2	Other industry				
0.6	1.1	2.4	2.0	1.9	2.4	2.2	3.6	4.5	4.6	6.0	5.2	4.7	4.5	4.7	4.5	5.9	6.9	6.4	Manufacture of other food products				
-0.2	1.3	0.8	0.1	7.5	7.1	5.0	0.8	1.7	1.6	0.0	-0.6	-1.1	-4.2	-4.1	-2.5	0.7	18.7	18.4	Manufacture of biscuits and cookies				
-2.5	-2.3	-3.4	-3.0	-5.0	-4.3	-4.8	-5.6	-3.9	-3.8	1.4	2.8	5.6	5.2	7.0	6.5	7.1	7.5	7.5	Manufacture of bread, cakes and other bakery products				
2.3	3.7	3.3	0.7	0.3	-0.7	-2.8	-1.8	-1.4	-1.8	-2.5	-2.8	-1.1	-2.9	-3.0	-3.6	-4.2	-4.3	-3.8	Manufacture of snack products				
0.3	-11.5	-11.1	-11.1	-11.4	-11.2	-11.5	-12.3	-11.3	-10.9	-11.3	-11.9	-12.1	-0.6	0.3	0.2	-2.7	-4.6	-3.2	Manufacture of sugar				
7.0	7.0	6.9	6.2	-0.8	-0.2	-1.7	-4.5	-3.3	-4.6	-4.5	-6.0	-10.8	-10.7	-11.6	-12.2	-9.1	-5.8	-5.1	Manufacture of cocoa products				
-6.9	-9.2	-8.4	-9.3	-12.5	-11.5	-11.8	-6.9	-9.1	-8.2	-6.6	-4.0	-5.0	-4.9	-5.0	-6.2	-2.6	-8.5	-8.0	Manufacture of chocolate and chocolate products				
4.2	5.3	4.8	2.9	3.5	2.5	2.7	20.6	18.3	17.3	16.3	14.8	11.3	10.8	11.4	11.3	11.5	16.9	18.4	Manufacture of sugar confectionery				
4.1	3.9	5.9	5.8	3.2	5.9	8.9	20.7	25.1	26.2	27.1	25.5	19.5	19.3	16.4	18.5	20.0	12.8	7.6	Manufacture of sauces and condiments				
2.9	4.9	10.8	10.8	12.5	12.8	13.4	9.5	10.2	9.8	10.4	6.6	5.6	6.5	6.5	5.3	6.8	6.0	5.4	Manufacture of other food products n.e.c.				
13.5	11.7	12.4	11.7	5.1	4.3	-4.6	-8.5	-8.2	-6.8	-3.0	-4.0	-6.1	-4.8	-16.5	-16.7	-13.3	-15.7	-16.9	Other industry				
13.5	11.7	12.4	11.7	5.1	4.3	-4.6	-8.5	-8.2	-6.8	-3.0	-4.0	-6.1	-4.8	-16.5	-16.7	-13.3	-15.7	-16.9	Manufacture of prepared animal feeds				
-9.4	-8.9	-8.2	-9.0	-10.9	-11.3	-10.7	-11.5	-11.4	-10.6	-2.5	-1.5	-2.1	-3.6	-1.0	0.7	1.6	1.9	1.7	Manufacture of beverages				
-7.7	-7.3	-6.1	-6.7	-9.4	-9.4	-9.2	-13.4	-13.9	-12.9	-3.0	-4.0	-2.7	-4.9	-4.9	-2.8	-0.4	-0.1	0.0	Manufacture of soft drinks				
-11.2	-10.8	-11.3	-12.0	-12.5	-11.1	-11.6	-9.5	-9.3	-8.6	-3.1	-2.7	-6.3	-5.1	-5.1	-4.1	-5.2	-4.5	-3.6	Production of natural mineral waters and other bottled waters				
-16.7	-14.1	-14.1	-16.6	-17.7	-25.3	-18.8	-3.5	1.0	0.9	2.1	23.9	17.6	12.3	43.7	45.2	41.1	42.8	34.0	Other industry				
-41.3	-40.2	-40.3	-32.4	-29.1	-23.6	-27.4	-22.4	-11.5	-12.8	19.4	18.0	17.6	14.7	10.4	11.1	7.5	1.2	3.3	Manufacture of tobacco products				
-4.6	-6.6	-6.7	-6.9	-7.2	-7.0	-7.4	-10.9	-9.1	-7.4	-1.6	-2.4	-6.7	-5.4	-3.8	-2.8	-2.3	-3.3	-0.4	Spinning, weaving and finishing of textiles				
-2.5	-3.1	-3.5	-3.2	-2.9	-2.5	-2.7	-7.6	-5.4	-4.2	-2.3	-3.4	-5.1	-5.5	-6.6	-6.6	-7.2	-6.5	-5.8	Preparation and spinning of textile fibres				
																			Weaving of textiles				
-9.0	-16.0	-16.0	-17.0	-17.3	-17.9	-16.9	-20.4	-18.3	-14.6	-13.5	-8.4	-6.9	3.6	7.9	16.0	21.4	17.5	26.6	Dyeing, bleaching, printing and finishing of yarns and fabrics				
-11.6	-9.2	-6.7	-11.1	-15.9	-15.8	-23.4	-12.0	-14.8	-16.1	284.6	72.1	-27.3	-41.0	-14.2	-26.6	-29.2	-42.0	-37.5	Other industry				
-5.1	-4.2	-3.4	-4.0	-4.5	-4.2	-4.1	-4.4	-6.1	-1.7	3.6	3.0	1.4	2.3	1.3	3.6	4.9	8.1	8.2	Manufacture of other textiles				
-5.2	-6.3	-4.7	-4.7	-5.0	-6.2	-5.6	-1.7	-3.0	-3.4	2.0	2.0	3.4	3.8	1.9	5.4	7.3	9.8	10.9	Manufacture of knitted and crocheted fabrics				
-5.0	-2.7	-2.5	-3.6	-4.1	-2.9	-3.1	-6.1	-8.0	-0.6	4.7	3.6	0.1	1.4	0.9	2.4	3.4	6.9	6.5	Other industry				
-7.0	-12.6	-19.2	-18.7	-20.6	-21.6	-21.5	-23.9	-23.4	-23.2	-16.3	-16.5	-19.0	-14.1	-6.3	-8.9	-7.2	1.3	1.9	Manufacture of wearing apparel, except fur				
-8.0	-14.9	-22.9	-22.0	-24.3	-25.9	-26.1	-28.5	-27.7	-27.6	-21.6	-21.2	-21.5	-15.8	-5.3	-8.0	-6.3	2.5	3.2	Manufacture of clothings				
-4.0	-5.1	-7.5	-8.4	-8.6	-8.0	-7.0	-9.7	-9.9	-9.3	0.9	-1.3	-11.5	-9.2	-8.9	-11.3	-9.6	-1.9	-1.3	Other industry				
-21.4	-28.2	-25.4	-28.3	-28.0	-26.6	-23.7	-28.1	-29.2	-30.8	-13.8	-13.0	-12.2	-4.9	-20.5	-20.1	-22.9	-19.1	-19.1	Manufacture of articles of fur, knitted and crocheted apparel				
																			Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur				
-3.5	-1.8	-2.1	-1.2	-2.2	-1.4	0.0	-0.4	0.5	0.4	4.0	6.1	2.7	0.1	4.4	7.4	9.9	9.6	7.7	Manufacture of footwear				
																			Manufacture of leather footwear				
-9.9	-12.6	-14.1	-13.5	-10.0	-8.2	-6.7	-5.2	-10.1	-7.6	4.0	-0.2	-5.9	-4.3	-3.4	-4.2	-2.0	-1.5	-2.0	Manufacture of rubber footwear				
3.3	-2.3	-3.1	-4.2	-4.3	-0.9	-2.9	-3.7	-0.3	-1.6	-3.8	-3.4	-5.1	-2.7	-1.5	3.0	3.5	1.9	3.2	Other industry				
-15.0	-11.4	-9.5	-8.9	-9.3	-8.5	-6.4	-10.2	-9.8	-6.6	12.5	4.2	-5.9	-1.1	1.2	2.9	3.0	3.5	4.2	Sawmilling and planning of wood				

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh																	
				2020				2021				2020	2021					
		2020	2021	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mac	Apr.	Mei
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	-8.4	2.0	-0.4	-5.6	-6.7	-8.4	-8.7	-2.6	-0.4	2.0	-9.5	2.0	1.4	1.3	-0.4	-7.1	-6.2
16211	Pembuatan kepingan venier dan papan lapis	-13.3	1.0	-0.6	-9.1	-10.4	-13.3	-15.6	-6.4	-1.2	1.0	-14.5	1.0	-0.5	0.8	-0.6	-9.6	-9.6
16212	Pembuatan papan partikel dan papan gentian	-12.8	-2.7	2.7	-6.5	-13.1	-12.8	-8.6	-7.6	-8.8	-2.7	-15.0	-2.7	4.9	1.7	2.7	-0.4	-3.5
16221	Perfukangan kayu untuk jurubina	4.7	-0.1	-0.5	4.7	6.3	4.7	8.7	7.1	5.3	-0.1	5.2	-0.1	8.5	6.3	-0.5	1.1	2.4
	Industri lain	1.1	10.3	-2.0	-1.7	-0.3	1.1	1.6	4.1	2.1	10.3	0.5	10.3	-0.2	-1.6	-2.0	-10.0	-3.1
170	Pembuatan kertas dan produk kertas	-4.8	3.5	1.3	-7.0	-6.8	-4.8	-3.1	2.7	2.9	3.5	-4.4	3.5	1.5	1.7	1.3	-7.9	-7.4
17010	Pembuatan pulpa, kertas dan kertas tebal	2.9	7.3	1.2	0.8	1.7	2.9	2.7	1.8	1.2	7.3	2.9	7.3	0.9	9.7	1.2	-3.2	-0.1
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	-6.1	1.5	-0.5	-10.8	-9.3	-6.1	-3.8	5.0	2.5	1.5	-5.9	1.5	-2.8	-1.4	-0.5	-11.1	-11.6
17091	Pembuatan sampul surat dan kad surat	-9.5	-5.9	-2.0	-11.7	-11.2	-9.5	-6.2	2.7	0.1	-5.9	-9.8	-5.9	-2.4	-2.9	-2.0	-12.7	-10.7
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-5.6	6.0	4.1	-6.9	-7.0	-5.6	-7.1	1.0	1.5	6.0	-4.7	6.0	9.6	3.7	4.1	-4.6	-5.8
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-8.5	7.3	3.4	-5.0	-9.2	-8.5	-1.6	1.9	11.6	7.3	-7.6	7.3	3.6	3.1	3.4	-6.6	-7.1
	Industri lain	-2.6	-0.03	2.3	-3.1	-3.4	-2.6	-1.4	-1.0	0.2	-0.03	-2.3	-0.03	3.4	-0.7	2.3	-7.2	-2.7
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	-1.6	3.7	0.8	-6.3	-5.2	-1.6	-1.2	-0.4	-1.9	3.7	-3.1	3.7	2.1	1.3	0.8	-7.1	-6.7
	18110 Percetakan	-2.9	4.6	-0.2	-8.4	-7.3	-2.9	-1.9	0.3	-1.3	4.6	-4.7	4.6	1.5	0.7	-0.2	-9.7	-9.3
	18120 Aktiviti perkhidmatan berkaitan percetakan	4.6	0.1	5.7	2.8	4.2	4.6	1.8	-3.2	-4.6	0.1	4.1	0.1	4.6	3.9	5.7	5.1	5.3
	&																	
	18200 Penerbitan semula media rakaman																	
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	-7.2	2.8	4.5	-9.9	-7.1	-7.2	-4.5	5.7	5.1	2.8	-5.2	2.8	4.6	4.8	4.5	-7.6	-9.8
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	-7.3	-7.8	2.8	-10.1	-8.2	-7.3	-10.5	-1.4	-3.4	-7.8	-8.1	-7.8	3.2	2.6	2.8	-10.5	-10.1
	20111 Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	-7.2	-18.3	2.2	-12.2	-9.5	-7.2	-3.1	12.2	11.8	-18.3	-6.8	-18.3	-1.6	-1.2	2.2	-13.7	-13.2
	20112 Pembuatan kimia organik asas	-1.8	8.8	4.4	-4.5	-3.8	-1.8	-2.1	2.6	1.8	8.8	-1.5	8.8	5.3	5.9	4.4	-4.2	-3.6
	&																	
	20113 Pembuatan sebatian bukan organik																	
	20121 Pembuatan baja	-5.2	-17.1	4.7	-7.2	-5.5	-5.2	-1.4	-1.3	-2.6	-17.1	-9.3	-17.1	6.0	3.3	4.7	-5.8	-7.6
	&																	
	20129 Pembuatan produk campuran nitrogen																	
	20131 Pembuatan plastik dalam bentuk primer	-15.5	-18.9	2.7	-17.2	-14.7	-15.5	-30.8	-13.4	-18.3	-18.9	-15.3	-18.9	4.2	2.9	2.7	-18.3	-17.7
	Industri lain	-1.9	14.2	-13.3	-8.1	-3.8	-1.9	8.1	3.5	2.9	14.2	-3.6	14.2	-13.5	-11.6	-13.3	-13.0	-5.9
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	-5.1	8.3	0.1	-6.0	-5.8	-5.1	2.4	6.0	3.4	8.3	-5.0	8.3	-0.4	1.2	0.1	-7.8	-7.2
	20210 Pembuatan racun perosak dan produk agrokimia lain	-0.7	18.0	-2.2	-2.2	0.5	-0.7	14.8	12.8	10.7	18.0	-1.54	18.0	-3.6	0.6	-2.2	-2.8	-2.4
	20221 Pembuatan cat, varnis dan penyadur dan mastik	-14.6	-6.2	1.7	-9.8	-14.0	-14.6	3.4	-2.1	-2.9	-6.2	-14.0	-6.2	5.0	2.9	1.7	-9.8	-10.7
	20222 Pembuatan dakwat cetak	-3.2	24.4	-5.8	-7.5	-4.3	-3.2	20.9	22.1	21.6	24.4	-4.6	24.4	-6.7	-6.8	-5.8	-7.9	-7.7
	20231 Pembuatan sabun dan bahan pencuci, penyediaan																	
	&																	
	20232 Pembuatan pewangi dan penyediaan dandanan diri	-1.5	0.1	2.1	-2.3	-1.1	-1.5	0.4	5.1	-0.8	0.1	-1.3	0.1	-0.4	3.4	2.1	-5.8	-4.6
	&																	
	20291 Pembuatan plat fotografi, filem, sensitized paper dan																	
	20292 other sensitized unexposed materials																	
	&																	
	20292 Pembuatan dakwat menulis dan melukis	-4.2	26.7	-1.7	-9.2	-8.1	-4.2	-3.5	7.4	7.9	26.7	-4.2	26.7	-2.1	-1.0	-1.7	-10.6	-9.7
	&																	
	20299 Pembuatan produk kimia lain t.t.t.l.																	
	Industri lain	5.6	-11.5	3.6	4.1	2.0	5.6	-2.2	0.3	0.3	-11.5	5.9	-11.5	5.2	4.4	3.6	2.2	0.0
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	9.5	7.5	1.4	9.3	11.3	9.5	11.6	11.6	11.8	7.5	9.0	7.5	2.1	2.2	1.4	10.5	8.8
	21001 Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	10.3	8.5	1.3	11.2	12.5	10.3	11.6	10.8	9.8	8.5	10.2	8.5	2.8	2.4	1.3	11.7	11.2
	Industri lain	7.6	4.9	1.7	4.9	8.4	7.6	11.6	13.6	16.6	4.9	6.1	4.9	0.4	1.6	1.7	7.7	3.0
221	Pembuatan produk getah	3.2	0.7	1.9	2.5	4.0	3.2	3.9	6.2	3.5	0.7	3.7	0.7	3.2	2.3	1.9	2.2	2.8
	22111 Pembuatan tayar getah untuk kenderaan	-10.1	-3.7	2.2	-6.8	-8.4	-10.1	-11.8	1.0	-10.1	-3.7	-7.3	-3.7	0.9	3.0	2.2	1.8	-1.0
	22112 Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	5.3	2.9	2.4	11.3	6.1	5.3	-3.5	-15.3	-6.4	2.9	4.3	2.9	-2.0	-0.4	2.4	9.2	10.4
	22191 Pembuatan produk lain daripada getah asli atau sintetik,																	
	&																	
	22193 tidak divulkan, divulkan atau dikeraskan	3.8	-6.7	3.0	4.9	9.2	3.8	2.3	-0.7	-5.0	-6.7	3.8	-6.7	4.9	4.2	3.0	6.3	4.7
	22193 Pengilangan semula getah dan prosesan susu getah																	
	22192 Pembuatan sarung tangan getah	2.7	0.1	1.2	2.3	2.3	2.7	3.7	7.7	7.5	0.1	2.7	0.1	3.2	1.8	1.2	0.8	2.1
	22199 Pembuatan produk getah lain yang t.t.t.l.	7.5	7.3	2.6	3.7	8.1	7.5	10.3	10.5	4.6	7.3	9.0	7.3	3.2	2.4	2.6	2.5	3.6
222	Pembuatan produk plastik	3.6	-0.2	0.7	2.8	1.6	3.6	3.9	1.3	-1.7	-0.2	2.1	-0.2	-0.7	0.1	0.7	1.4	2.3
	22201 Pembuatan produk plastik separa siap																	
	&																	
	22202 Pembuatan produk plastik siap	2.9	-5.2	-1.7	-0.6	-0.4	2.9	5.0	4.0	-3.3	-5.2	3.2	-5.2	2.4	-1.1	-1.7	-1.4	-1.1
	22203 Pembuatan artikel plastik untuk pembungkusan	5.9	4.0	1.3	7.0	6.2	5.9	5.6	1.6	-0.4	4.0	5.6	4.0	1.7	2.0	1.3	5.3	5.8
	22204 Pembuatan barangan plastik jurubina	-7.2	0.2	-3.6	-8.1	-7.6	-7.2	-3.0	-0.7	0.004	0.2	-6.1	0.2	0.2	-2.6	-3.6	-10.8	-2.5
	22205 Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	7.9	0.7	-0.4	3.5	7.0	7.9	10.2	3.8	0.4	0.7	7.7	0.7	0.5	0.4	-0.4	-1.6	1.0
	22209 Pembuatan pelbagai produk plastik t.t.t.l.	2.0	-0.9	2.4	2.3	-1.4	2.0	1.1	-1.1	-2.3	-0.9	-2.0	-0.9	-4.7	-0.5	2.4	1.6	2.2
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	-4.4	5.5	5.0	1.8	-1.4	-4.4	-0.5	0.1	-1.5	5.5	-3.3	5.5	7.1	8.0	5.0	0.8	0.9

2020												2021								Group Description/Period							
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.									
-5.6	-5.0	-6.7	-6.7	-8.7	-9.2	-8.4	-9.2	-9.7	-8.7	-2.2	0.1	-2.6	-1.4	-0.8	-0.4	2.1	2.8	2.0	Manufacture of products of wood, cork, straw and plaiting materials								
-9.1	-9.9	-11.6	-10.4	-12.4	-13.6	-13.3	-14.3	-16.0	-15.6	-7.1	-3.1	-6.4	-3.7	-2.3	-1.2	0.2	0.6	1.0	Manufacture of veneer sheets and plywood								
-6.5	-6.7	-8.4	-13.1	-15.2	-15.0	-12.8	-12.5	-9.4	-8.6	-7.2	-4.7	-7.6	-7.4	-7.5	-8.8	-4.1	-3.5	-2.7	Manufacture of particle board and fibreboard								
4.7	7.8	6.5	6.3	6.8	5.0	4.7	0.6	3.3	8.7	9.5	8.9	7.1	4.6	4.8	5.3	5.8	1.8	-0.1	Manufacture of builders' carpentry								
-1.7	3.6	0.9	-0.3	-4.7	-1.4	1.1	2.8	1.4	1.6	8.0	5.9	4.1	4.4	2.8	2.1	9.2	15.3	10.3	Other industry								
-7.0	-7.4	-7.6	-6.8	-5.2	-5.0	-4.8	-4.7	-4.0	-3.1	5.0	4.5	2.7	2.1	2.2	2.9	3.0	4.9	3.5	Manufacture of paper and paper products								
0.8	1.6	1.6	1.7	3.0	2.0	2.9	-0.5	-3.7	2.7	7.2	3.3	1.8	0.8	0.5	1.2	7.5	8.2	7.3	Manufacture of pulp, paper and paperboard								
-10.8	-10.6	-11.0	-9.3	-7.5	-6.5	-6.1	-2.9	-4.0	-3.8	5.4	6.2	5.0	0.5	1.8	2.5	2.6	2.7	1.5	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard								
-11.7	-20.2	-14.7	-11.2	-10.8	-9.3	-9.5	-4.0	-4.3	-6.2	3.2	0.9	2.7	6.6	5.0	0.1	-1.5	-5.6	-5.9	Manufacture of envelopes and letter-card								
-6.9	-6.8	-6.3	-7.0	-5.6	-4.9	-5.6	-11.4	-6.9	-7.1	0.7	1.8	1.0	1.2	0.4	1.5	0.05	8.5	6.0	Manufacture of household and personal hygiene paper								
-5.0	-6.4	-9.1	-9.2	-7.5	-8.3	-8.5	-6.9	-1.9	-1.6	8.6	7.7	1.9	9.7	10.1	11.6	7.9	8.2	7.3	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper								
-3.1	-3.6	-3.9	-3.4	-1.0	-2.6	-2.6	-0.8	-1.0	-1.4	5.0	2.4	-1.0	0.9	-1.3	0.2	-1.2	0.8	-0.03	Other industry								
-6.3	-5.0	-5.1	-5.2	-3.9	-2.8	-1.6	-4.5	-3.8	-1.2	3.9	3.4	-0.4	-2.1	-1.8	-1.9	0.9	2.8	3.7	Printing, service activities related to printing and reproduction of recorded media								
-8.4	-7.0	-7.0	-7.3	-5.8	-4.4	-2.9	-5.1	-4.8	-1.9	4.9	4.5	0.3	-1.5	-1.3	-1.3	1.5	3.6	4.6	Printing								
2.8	3.8	3.7	4.2	4.5	4.3	4.6	-1.6	0.4	1.8	0.0	-0.6	-3.2	-4.3	-3.9	-4.6	-1.4	-0.4	0.1	Service activities related to printing								
																			Reproduction of recorded media								
-9.9	-9.0	-8.6	-7.1	-6.7	-6.3	-7.2	-7.3	-7.1	-4.5	2.7	5.1	5.7	5.1	5.2	5.1	3.8	3.4	2.8	Manufacture of refined petroleum products								
-10.1	-8.7	-8.5	-8.2	-8.2	-8.7	-7.3	-13.0	-11.2	-10.5	-0.5	-1.3	-1.4	-2.9	-3.0	-3.4	-3.7	-7.2	-7.8	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms								
-12.2	-12.5	-10.3	-9.5	-9.8	-7.0	-7.2	-2.6	-3.0	-3.1	14.1	11.8	12.2	13.8	12.3	11.8	11.0	-18.0	-18.3	Manufacture of liquefied or compressed inorganic industrial or medical gases								
																			Manufacture of basic organic chemicals								
-4.5	-2.8	-3.6	-3.8	-3.4	-2.4	-1.8	-3.7	-3.0	-2.1	5.5	3.2	2.6	2.2	2.4	1.8	2.3	9.3	8.8	Manufacture of inorganic compounds								
																			Manufacture of fertilizers								
-7.2	-6.7	-5.3	-5.5	-5.1	-10.6	-5.2	-7.6	-2.0	-1.4	-3.7	-1.4	-1.3	-1.7	-2.1	-2.6	-3.7	-15.0	-17.1	Manufacture of associated nitrogen products								
-17.2	-15.0	-15.5	-14.7	-15.6	-15.3	-15.5	-32.4	-31.5	-30.8	-12.9	-13.8	-13.4	-17.9	-17.9	-18.3	-18.5	-18.7	-18.9	Manufacture of plastics in primary forms								
-8.1	-6.0	-4.0	-3.8	-2.2	-2.6	-1.9	-1.9	5.2	8.1	5.1	4.8	3.5	1.5	1.7	2.9	1.8	11.8	14.2	Other industry								
-6.0	-6.9	-6.6	-5.8	-6.0	-4.1	-5.1	-3.0	-3.9	2.4	6.2	6.6	6.0	4.1	3.2	3.4	7.0	7.8	8.3	Manufacture of other chemical products and man-made fibres								
-2.2	-2.4	-1.1	0.5	0.0	-1.9	-0.7	17.9	15.2	14.8	14.9	14.5	12.8	11.7	10.9	10.7	12.2	17.4	18.0	Manufacture of pesticides and other agrochemical products								
-9.8	-10.6	-12.2	-14.0	-13.9	-13.9	-14.6	-12.1	-13.7	3.4	-2.6	-1.7	-2.1	-1.4	-2.2	-2.9	-2.6	-5.2	-6.2	Manufacture of paints, varnishes and similar coatings ink and mastics								
-7.5	-7.3	-6.8	-4.3	-4.1	-4.3	-3.2	-2.9	-1.7	20.9	19.4	19.9	22.1	22.4	21.8	21.6	20.9	24.0	24.4	Manufacture of printing ink								
																			Manufacture of soap and detergents, cleaning and polishing preparations								
-2.3	-2.5	-2.2	-1.1	-1.7	-0.2	-1.5	-0.8	-1.9	0.4	6.7	6.7	5.1	1.0	-0.7	-0.8	0.0	-0.3	0.1	Manufacture of perfumes and toilet preparations								
																			Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials								
-9.2	-11.9	-10.2	-8.1	-8.3	-2.5	-4.2	-3.9	-4.2	-3.5	6.6	6.9	7.4	5.7	6.3	7.9	20.7	25.0	26.7	Manufacture of writing and drawing ink								
																			Manufacture of other chemical products n.e.c.								
4.1	5.0	4.6	2.0	2.5	5.9	5.6	-0.8	-1.5	-2.2	-0.1	2.1	0.3	-1.3	-1.3	0.3	0.3	-10.9	-11.5	Other industry								
9.3	10.2	10.7	11.3	10.7	9.3	9.5	9.7	10.7	11.6	13.2	12.0	11.6	12.4	12.7	11.8	12.1	7.0	7.5	Manufacture of pharmaceuticals, medicinal chemical and botanical products								
11.2	10.8	11.6	12.5	12.1	10.3	10.3	10.2	11.8	11.6	12.7	11.2	10.8	11.8	11.5	9.8	11.4	8.8	8.5	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments								
4.9	8.7	8.6	8.4	7.5	7.0	7.6	8.4	7.9	11.6	14.5	14.1	13.6	14.1	15.6	16.6	13.9	2.5	4.9	Other industry								
2.5	2.7	2.9	4.0	4.0	3.9	3.2	2.7	3.2	3.9	7.5	6.6	6.2	5.0	4.5	3.5	3.0	1.0	0.7	Manufacture of rubber products								
-6.8	-9.0	-10.2	-8.4	-3.3	-4.4	-10.1	-7.5	-10.7	-11.8	-3.4	-0.6	1.0	-9.8	-9.9	-10.1	-10.8	-8.3	-3.7	Manufacture of rubber tyres for vehicles								
11.3	8.6	7.1	6.1	6.3	5.6	5.3	2.9	-1.3	-3.5	-5.3	-8.6	-15.3	-11.6	-8.8	-6.4	-5.3	2.8	2.9	Manufacture of interchangeable tyre treads and retreading rubber tyres								
																			Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened								
4.9	7.8	8.5	9.2	6.9	5.1	3.8	0.1	1.0	2.3	0.2	-0.6	-0.7	-0.6	-1.6	-5.0	-5.9	-7.6	-6.7	Rubber remilling and latex processing								
2.3	2.2	2.4	2.3	1.7	2.1	2.7	1.9	2.5	3.7	8.6	7.6	7.7	6.9	6.6	7.5	6.6	1.2	0.1	Manufacture of rubber gloves								
3.7	4.0	4.0	8.1	9.0	9.2	7.5	8.7	10.3	10.3	14.0	12.2	10.5	9.3	8.5	4.6	4.9	7.6	7.3	Manufacture of other rubber products n.e.c.								
2.8	2.0	1.7	1.6	2.5	1.9	3.6	4.2	3.6	3.9	4.3	2.8	1.3	0.0	-1.2	-1.7	-1.4	-0.3	-0.2	Manufacture of plastics products								
																			Manufacture of semi-manufactures of plastic products								
-0.6	-3.3	-0.3	-0.4	2.4	2.9	2.9	2.6	5.4	5.0	8.2	6.9	4.0	1.5	-3.5	-3.3	-2.9	-4.7	-5.2	Manufacture of finished plastic products								
7.0	6.7	7.2	6.2	6.8	5.6	5.9	6.5	5.7	5.6	3.5	2.6	1.6	-0.2	-0.4	-0.4	0.2	3.3	4.0	Manufacture of plastic articles for the packing of goods								
-8.1	-9.8	-9.5	-7.6	-8.3	-5.7	-7.2	-9.0	-3.6	-3.0	5.9	-4.7	-0.7	1.1	1.1	0.0	1.4	-0.6	0.2	Manufacture of builders' plastics ware								
3.5	6.4	6.0	7.0	7.1	7.3	7.9	8.6	8.8	10.2	9.5	7.2	3.8	-0.6	0.6	0.4	1.4	1.5	0.7	Manufacture of plastic tableware, kitchenware and toilet articles								
2.3	1.6	-1.5	-1.4	-1.0	-2.1	2.0	3.3	0.1	1.1	1.3	0.0	-1.1	-0.7	-1.0	-2.3	-2.5	-0.8	-0.9	Manufacture of diverse plastic products n.e.c.								
1.8	-0.7	-1.2	-1.4	-1.3	-3.6	-4.4	-4.4	-2.6	-0.5	2.4	1.5	0.1	0.0	0.1	-1.5	1.4	0.7	5.5	Manufacture of glass and glass products								

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh			2020					2021					2020	2021						
		2020	2021																		
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mac	Apr.	Mei			
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-3.2	1.4	1.6	-0.2	-3.4	-3.2	-2.3	-2.3	0.4	1.4	-3.4	1.4	1.6	1.5	1.6	-1.8	-1.8			
23911	Pembuatan mortar refraktori dan konkrit																				
&																					
23921	Pembuatan seramik bukan refraktori	-2.3	3.6	1.7	1.2	-2.2	-2.3	-2.2	-0.1	0.6	3.6	-3.2	3.6	-4.9	2.7	1.7	-1.2	0.2			
23930	Pembuatan produk porselin dan seramik lain	9.1	-6.2	0.5	7.4	7.9	9.1	2.0	-1.1	-8.0	-6.2	8.5	-6.2	-7.8	-7.3	0.5	4.8	5.2			
23941	Pembuatan simen hidrolik	-4.3	6.1	6.4	6.3	-2.7	-4.3	-2.1	-2.8	2.4	6.1	-3.8	6.1	3.7	4.1	6.4	5.1	4.1			
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	-11.2	2.0	0.4	-4.8	-10.1	-11.2	-13.6	-7.2	-0.2	2.0	-11.3	2.0	3.8	3.9	0.4	-7.8	-5.2			
23952	Pembuatan konkrit pratuangan, simen atau artikel batu																				
&	buatan yang digunakan dalam pembinaan;																				
23953	Pembuatan komponen struktur pasang siap untuk																				
&	bangunan atau kejuruteraan awam dari simen, batu																				
	atau konkrit buatan	-1.8	3.3	-1.7	-1.4	-3.8	-1.8	4.0	-1.2	1.8	3.3	-2.2	3.3	3.5	-0.7	-1.7	-3.1	-4.1			
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.																				
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	-2.4	4.9	5.1	-0.04	-0.6	-2.4	-5.1	-1.0	1.2	4.9	-1.9	4.9	2.9	4.3	5.1	0.9	-1.0			
	Industri lain	0.3	-10.9	9.1	1.2	0.4	0.3	-0.9	-1.2	-0.8	-10.9	-0.2	-10.9	2.7	3.3	9.1	1.6	0.8			
241																					
(24101 &																					
24102 &																					
24103 &																					
24104 &																					
24109)																					
242																					
(24201 &																					
24202 &																					
24209)																					
243	Pengacuan logam	-8.2	1.7	4.1	-5.1	-7.9	-8.2	2.8	1.4	-0.4	1.7	-9.1	1.7	6.8	-1.6	4.1	-1.3	-2.3			
251 &	Pembuatan produk struktur logam, tangki, takungan, penjana	9.4	-1.1	1.0	6.0	9.0	9.4	12.0	-1.2	-0.1	-1.1	9.7	-1.1	0.2	1.7	1.0	-4.7	-0.1			
252	wap, senjata dan peluru																				
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap																				
&	dan pintu pagar daripada logam	7.4	-1.8	-0.2	6.5	7.6	7.4	12.2	-2.5	0.2	-1.8	8.0	-1.8	0.5	1.9	-0.2	-7.6	-2.4			
25119	Pembuatan produk struktur logam lain																				
25120	Pembuatan tangki, takungan dan kontena daripada	14.7	1.5	5.6	4.1	12.7	14.7	13.2	7.5	2.9	1.5	15.3	1.5	1.4	3.6	5.6	2.6	4.9			
	logam																				
	Industri lain	12.9	-1.2	1.8	5.9	11.1	12.9	9.6	-5.3	-5.6	-1.2	11.2	-1.2	-2.4	-1.6	1.8	1.2	5.3			
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti	0.2	2.9	-0.5	-0.7	0.6	0.2	2.3	0.4	0.7	2.9	0.6	2.9	0.0	-0.3	-0.5	0.3	0.3			
	perkhidmatan kerja logam																				
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan	5.9	2.2	-1.5	3.4	5.8	5.9	7.9	2.9	2.1	2.2	6.9	2.2	0.3	0.2	-1.5	2.6	3.2			
	logam; serbuk metalurgi																				
25920	Rawatan dan penyalutan logam; menggunakan mesin	3.8	5.0	-5.1	1.9	2.3	3.8	15.0	7.1	5.6	5.0	4.9	5.0	-6.6	-5.9	-5.1	0.4	5.4			
25991	Pembuatan tin untuk produk makanan dan minuman,	-0.5	0.4	1.4	-2.1	-0.7	-0.5	-1.6	-0.3	-2.4	0.4	0.1	0.4	1.1	1.0	1.4	-0.2	-1.8			
	tiub dan kotak boleh dilipat																				
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal)																				
&	dan artikel seumpamanya daripada logam	0.7	0.2	1.9	2.7	2.6	0.7	-3.2	-5.2	-1.7	0.2	1.7	0.2	2.5	2.9	1.9	0.1	2.4			
25993	Pembuatan bolt, skru, nat dan produk uliran																				
	seumpamanya																				
25994	Pembuatan barangan rumah daripada logam	-6.6	-7.5	-4.5	-4.5	-4.7	-6.6	-2.0	-11.5	-13.1	-7.5	-7.1	-7.5	2.6	-4.3	-4.5	-4.5	-4.4			
25999	Pembuatan produk lain yang direka daripada logam	-1.7	7.3	-1.4	-1.9	-1.5	-1.7	2.3	2.1	3.1	7.3	-2.8	7.3	-0.5	-0.8	-1.4	-2.5	-2.3			
	t.t.t.l.																				
	Industri lain	-7.9	3.0	4.4	-11.6	-7.1	-7.9	-6.9	-0.1	-1.0	3.0	-7.6	3.0	1.6	1.0	4.4	3.7	-5.7			
261	Pembuatan komponen dan papan elektronik	-5.3	8.8	-1.1	-5.6	-6.7	-5.3	-1.4	6.5	7.6	8.8	-4.9	8.8	1.7	0.6	-1.1	-6.1	-5.8			
26101	Pembuatan diod, transistor dan alatan semikonduktor																				
&	yang seumpamanya	-8.5	7.5	-3.5	-8.4	-9.3	-8.5	-3.7	4.6	7.2	7.5	-8.5	7.5	0.4	-2.3	-3.5	-7.8	-8.1			
26102	Pembuatan litar elektronik bersepadu dengan																				
	pemasangan mikro																				
26103	Pembuatan kapasitor dan perintang elektrik																				
&																					
26104	Pembuatan papan litar bercetak	0.6	11.9	0.2	-3.5	-2.5	0.6	3.6	10.5	9.0	11.9	1.2	11.9	1.7	2.3	0.2	-5.8	-4.5			
&																					
26105	Pembuatan komponen paparan																				
26109	Pembuatan komponen lain untuk aplikasi elektronik	-9.7	2.1	14.7	8.9	-6.9	-9.7	-7.8	1.7	2.6	2.1	-5.6	2.1	13.6	17.9	14.7	8.4	8.1			
262																					
(26201 &																					
26202)																					
263/																					
26300	Pembuatan peralatan komunikasi	7.5	2.7	2.0	1.5	4.9	7.5	0.6	6.9	3.7	2.7	6.2	2.7	5.5	7.7	2.0	-3.8	-3.4			
264/																					
26400	Pembuatan peralatan elektronik pengguna	0.4	-0.6	1.1	-0.05	1.8	0.4	-1.4	-1.6	-1.2	-0.6	-0.2	-0.6	0.2	1.2	1.1	-2.6	-2.7			
265	Pembuatan kelengkapan mengukur, menguji, memandu arah	-6.4	6.7	7.9	-0.6	-5.6	-6.4	-5.2	2.2	3.9	6.7	-6.3	6.7	6.6	7.3	7.9	0.6	0.1			
	dan kawalan; jam tangan dan jam																				
26511	Pembuatan kelengkapan mengukur, menguji, memandu																				
&	arah dan kawalan	-4.7	7.3	12.1	2.6	-3.8	-4.7	-4.2	3.6	6.2	7.3	-4.5	7.3	10.0	10.6	12.1	4.0	3.6			
26512	Pembuatan kelengkapan kawalan proses perindustrian																				
26520	Pembuatan jam tangan dan jam dan bahagiannya	-11.6	4.9	-3.8	-9.9	-10.9	-11.6	-8.6	-2.5	-3.8	4.9	-11.7	4.9	-3.1	-2.0	-3.8	-9.2	-9.8			
266/																					
26600	Pembuatan peralatan penyinaran, perubatan elektro dan	-3.4	0.1	9.4	-0.2	-2.3	-3.4	-8.0	2.2	4.4	0.1	-3.3	0.1	5.1	9.8	9.4	-1.2	-0.5			
	elektroterapeutik																				

2020							2021													Group Description/Period				
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.						
-0.2	-1.6	-2.0	-3.4	-3.8	-2.7	-3.2	-3.1	-3.7	-2.3	0.8	0.8	-2.3	-0.7	-0.5	0.4	0.4	0.4	1.4	Manufacture of non-metallic mineral products					
																			Manufacture of refractory mortars and concretes					
1.2	-2.4	-1.5	-2.2	-4.3	-2.3	-2.3	-5.4	-8.2	-2.2	1.3	0.4	-0.1	1.2	0.7	0.6	0.9	2.0	3.6	Manufacture of non-refractory ceramic					
7.4	7.3	8.2	7.9	6.8	8.5	9.1	9.8	2.9	2.0	-2.4	1.4	-1.1	-2.6	-3.4	-8.0	-5.7	-6.5	-6.2	Manufacture of other porcelain and ceramic products					
6.3	0.3	0.0	-2.7	-4.6	-4.3	-4.3	-2.2	-1.6	-2.1	-0.5	-1.9	-2.8	2.2	1.9	2.4	2.6	6.4	6.1	Manufacture of hydraulic cement					
-4.8	-6.9	-7.9	-10.1	-12.0	-11.0	-11.2	-9.8	-15.2	-13.6	-3.7	-6.0	-7.2	-5.4	-2.9	-0.2	0.6	1.5	2.0	Manufacture of ready-mix and dry-mix concrete and mortars					
																			Manufacture of precast concrete, cement or artificial stone articles for use in construction					
-1.4	-2.9	-3.4	-3.8	-2.1	-0.7	-1.8	-1.0	2.3	4.0	4.1	4.3	-1.2	1.3	1.2	1.8	0.0	1.4	3.3	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone					
																			Manufacture of other articles of concrete, cement and plaster n.e.c.					
0.0	2.0	1.2	-0.6	-0.6	-0.5	-2.4	-5.7	-4.4	-5.1	-0.7	3.1	-1.0	-0.7	-1.2	1.2	3.4	3.8	4.9	Manufacture of other non-metallic mineral products n.e.c.					
1.2	4.4	3.2	0.4	-1.0	-0.2	0.3	0.8	1.0	-0.9	1.9	2.3	-1.2	-1.6	-2.6	-0.8	0.0	-10.9	-10.9	Other industry					
-1.7	-2.9	-2.4	-1.8	-0.2	-0.6	5.5	5.7	1.7	3.2	5.1	3.7	4.6	4.2	3.1	2.7	3.0	3.5	1.8	Manufacture of basic iron and steel					
-3.8	-5.9	-6.4	-6.0	-6.0	-5.7	-5.4	-5.5	-5.1	-5.0	-0.8	-0.6	-2.9	-3.3	-3.6	-2.8	-2.2	-2.1	-1.9	Manufacture of basic precious and other non-ferrous metals					
-5.1	-7.1	-6.3	-7.9	-9.1	-9.5	-8.2	-8.7	-1.4	2.8	1.5	1.1	1.4	-2.7	-0.8	-0.4	0.2	2.0	1.7	Casting of metals					
6.0	7.7	7.2	9.0	8.0	9.2	9.4	10.3	8.9	12.0	14.1	9.2	-1.2	-2.4	-1.9	-0.1	0.9	-1.0	-1.1	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition					
																			Manufacture of metal doors, windows and their frames, shutters and gates					
6.5	6.0	5.6	7.6	7.5	8.1	7.4	9.5	8.0	12.2	17.5	12.5	-2.5	-2.4	-1.6	0.2	0.4	-2.3	-1.8	Manufacture of other structural metal products					
4.1	11.3	11.5	12.7	12.3	13.6	14.7	16.4	12.5	13.2	12.1	9.0	7.5	0.7	0.1	2.9	3.7	3.2	1.5	Manufacture of tanks, reservoirs and containers of metal					
5.9	12.1	10.0	11.1	5.7	9.0	12.9	7.4	9.1	9.6	2.0	-5.1	-5.3	-6.6	-6.2	-5.6	-0.2	0.6	-1.2	Other industry					
-0.7	0.9	0.2	0.6	0.4	0.2	0.2	-0.1	0.5	2.3	1.4	1.5	0.4	-1.3	-1.1	0.7	1.4	2.2	2.9	Manufacture of other fabricated metal products; metal working service activities					
3.4	5.5	5.6	5.8	5.5	5.9	5.9	7.3	7.0	7.9	2.5	3.3	2.9	0.1	0.1	2.1	2.5	3.1	2.2	Forging, pressing, stamping and roll-forming of metal; powder metallurgy					
1.9	3.8	2.5	2.3	5.2	5.0	3.8	5.0	9.7	15.0	13.0	9.2	7.1	4.4	4.8	5.6	3.9	4.1	5.0	Treatment and coating of metals; machining					
-2.1	-2.7	-1.5	-0.7	-1.1	-0.4	-0.5	0.8	-0.3	-1.6	0.9	0.2	-0.3	-1.2	-3.2	-2.4	-0.9	-0.5	0.4	Manufacture of tins and cans for food products, collapsible tubes and boxes					
																			Manufacture of metal cable, plaited bands and similar articles					
2.7	3.0	2.0	2.6	1.6	1.3	0.7	-0.5	-3.3	-3.2	-1.6	-4.5	-5.2	-6.1	-5.4	-1.7	-1.8	0.3	0.2	Manufacture of bolts, screws, nuts and similar threaded products					
-4.5	-5.3	-5.3	-4.7	-6.4	-7.1	-6.6	-10.7	-3.1	-2.0	-2.5	-1.3	-11.5	-14.3	-13.8	-13.1	-11.9	-6.9	-7.5	Manufacture of metal household articles					
-1.9	-1.3	-1.1	-1.5	-2.2	-2.8	-1.7	-2.8	-1.4	2.3	4.1	3.1	2.1	0.6	1.2	3.1	5.0	4.1	7.3	Manufacture of any other fabricated metal products n.e.c.					
-11.6	-5.2	-8.9	-7.1	-7.1	-7.7	-7.9	-9.2	-8.4	-6.9	-9.7	-0.8	-0.1	-1.3	-0.8	-1.0	1.4	3.0	3.0	Other industry					
-5.6	-6.9	-6.5	-6.7	-5.5	-5.0	-5.3	-5.5	-3.6	-1.4	5.2	5.9	6.5	6.5	7.4	7.6	8.1	8.2	8.8	Manufacture of electronic components and boards					
																			Manufacture of diodes, transistors and similar semiconductor devices					
-8.4	-9.6	-9.6	-9.3	-9.0	-8.1	-8.5	-8.4	-5.5	-3.7	2.8	4.0	4.6	5.5	7.2	7.2	7.0	6.4	7.5	Manufacture of electronic integrated circuits micro assemblies					
																			Manufacture of electrical capacitors and resistors					
-3.5	-3.1	-1.9	-2.5	0.8	0.4	0.6	-1.1	0.2	3.6	10.3	9.7	10.5	8.9	8.7	9.0	10.8	11.9	11.9	Manufacture of printed circuit boards					
																			Manufacture of display components					
8.9	-4.5	-4.5	-6.9	-7.2	-6.4	-9.7	-5.1	-7.4	-7.8	-1.0	1.1	1.7	2.2	2.0	2.6	2.4	2.8	2.1	Manufacture of other components for electronic applications					
-0.7	1.2	0.7	0.8	0.9	2.0	2.4	-0.7	-0.5	-5.7	3.0	4.5	5.0	6.3	6.3	7.6	7.2	9.3	9.2	Manufacture of computers and peripheral equipment					
1.5	2.3	3.6	4.9	5.5	5.7	7.5	3.0	1.7	0.6	8.0	8.5	6.9	4.9	5.4	3.7	3.2	3.9	2.7	Manufacture of communication equipment					
0.0	0.0	1.3	1.8	-0.1	-0.1	0.4	-0.6	-0.8	-1.4	1.9	2.7	-1.6	-8.1	-3.8	-1.2	2.4	0.4	-0.6	Manufacture of consumer electronics					
-0.6	-3.2	-6.2	-5.6	-6.5	-6.3	-6.4	-5.2	-5.7	-5.2	1.7	2.4	2.2	2.5	4.4	3.9	4.6	6.5	6.7	Manufacture of measuring, testing, navigating and control equipment; watches and clocks					
																			Manufacture of measuring, testing, navigating and control equipment					
2.6	0.2	-3.8	-3.8	-4.1	-4.2	-4.7	-3.2	-4.0	-4.2	3.0	3.4	3.6	4.4	6.6	6.2	6.7	6.5	7.3	Manufacture of industrial process control equipment					
-9.9	-12.8	-13.2	-10.9	-13.7	-12.6	-11.6	-11.6	-11.0	-8.6	-2.5	-0.8	-2.5	-3.6	-2.8	-3.8	-2.5	6.5	4.9	Manufacture of watches and clocks and parts					
-0.2	-1.0	-1.8	-2.3	-2.9	-3.9	-3.4	-3.5	-7.8	-8.0	0.9	1.2	2.2	3.4	4.7	4.4	3.6	1.1	0.1	Manufacture of irradiation, electromedical and electrotherapeutic equipment					

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2020				2021				2020	2021					
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mac	Apr.	Mei
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	-2.6	-8.8	2.0	-3.7	-0.1	-2.6	-10.6	-4.8	-4.9	-8.8	0.6	-8.8	-8.0	0.5	2.0	-0.4	-1.6
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	5.6	6.7	-0.5	2.5	2.9	5.6	6.0	3.7	5.6	6.7	3.4	6.7	-1.4	-0.6	-0.5	-0.6	0.2
	27101 Pembuatan motor elektrik, penjana dan transformer	6.2	5.8	9.3	10.2	12.0	6.2	8.0	6.2	6.4	5.8	14.8	5.8	7.9	9.6	9.3	7.6	8.8
	27102 Pembuatan perkakasan pengagihan dan pengawalan	5.1	7.4	-7.3	-2.9	-3.2	5.1	4.3	1.8	4.9	7.4	-4.3	7.4	-7.9	-7.6	-7.3	-6.3	-5.8
272/ 27200	Pembuatan bateri dan akumulator	9.4	-8.8	-2.3	6.3	10.0	9.4	11.2	0.5	-2.2	-8.8	9.0	-8.8	-0.1	-0.3	-2.3	-0.9	0.7
273	Pembuatan pendawaian dan peranti pendawaian	1.7	7.9	-0.8	-6.6	-5.3	1.7	-1.0	9.6	9.4	7.9	1.6	7.9	-0.6	-0.5	-0.8	-6.5	-8.1
	27310 Pembuatan kabel gentian optikal	-11.5	-0.3	6.6	-3.9	-7.4	-11.5	-11.7	-4.2	4.4	-0.3	-11.9	-0.3	3.2	2.7	6.6	-4.6	-3.7
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	2.5	7.2	-1.3	-7.1	-5.5	2.5	-0.5	9.4	8.7	7.2	2.7	7.2	-0.8	-0.6	-1.3	-6.8	-8.8
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	0.5	22.1	-0.1	-1.2	-1.7	0.5	-1.1	20.9	22.2	22.1	-4.0	22.1	-0.5	-0.7	-0.1	-2.5	-0.9
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-11.6	-18.9	17.8	1.3	-1.8	-11.6	-11.3	-4.3	-9.0	-18.9	-1.2	-18.9	22.2	17.7	17.8	4.1	3.5
275/ 27500	Pembuatan perkakasan domestik	-4.0	3.3	0.9	3.3	3.2	-4.0	-0.1	-1.7	-2.9	3.3	-0.7	3.3	-0.7	0.2	0.9	-1.2	-1.0
279/ 27900	Pembuatan kelengkapan elektrik lain	18.4	0.5	-2.3	3.0	16.9	18.4	16.0	11.1	-0.3	0.5	18.8	0.5	0.5	0.1	-2.3	-3.0	-1.0
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	0.9	1.1	0.4	1.5	1.9	0.9	3.1	3.1	0.3	1.1	0.9	1.1	1.3	1.7	0.4	-0.9	0.1
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	-7.1	22.6	-9.2	-14.2	-12.7	-7.1	-6.9	-0.7	3.8	22.6	-8.2	22.6	-12.9	-9.4	-9.2	-11.4	-15.7
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	0.9	-5.1	0.5	2.3	1.7	0.9	5.2	3.8	-0.8	-5.1	1.2	-5.1	1.3	4.4	0.5	-0.3	0.5
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	-3.6	-7.9	3.2	-5.4	-2.4	-3.6	-9.6	-2.7	-7.5	-7.9	-3.3	-7.9	3.8	7.4	3.2	-6.7	-6.5
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-8.3	-3.4	25.6	24.3	16.0	-8.3	-5.4	-6.1	-6.9	-3.4	-7.7	-3.4	24.0	28.9	25.6	22.2	24.9
		5.8	4.4	-3.8	0.9	2.5	5.8	9.1	7.0	3.9	4.4	5.5	4.4	-1.3	-4.5	-3.8	-2.6	-0.8
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-9.5	1.7	-0.5	-10.5	-9.9	-9.5	-8.2	0.4	2.4	1.7	-9.8	1.7	0.8	-0.4	-0.5	-8.8	-9.8
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	-14.7	-1.1	4.6	-10.2	-12.0	-14.7	-19.6	-0.6	0.8	-1.1	-14.0	-1.1	1.9	4.5	4.6	-6.9	-13.4
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-4.6	0.9	-0.2	-6.3	-5.5	-4.6	-5.6	0.9	0.5	0.9	-4.5	0.9	-0.4	0.3	-0.2	-4.7	-7.9
301 (30110 & 30120)	Pembinaan kapal dan bot	-1.2	-0.6	3.6	-3.7	-0.2	-1.2	-0.7	-1.8	-0.8	-0.6	-0.9	-0.6	4.9	2.9	3.6	-3.8	-2.9
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	-12.4	1.5	3.3	-13.8	-11.9	-12.4	-9.2	1.3	0.5	1.5	-12.2	1.5	2.8	4.4	3.3	-10.8	-11.4
	30910 Pembuatan motosikal	-7.6	3.4	5.4	-7.5	-6.7	-7.6	-7.6	0.7	2.5	3.4	-7.3	3.4	3.1	5.3	5.4	-7.6	-7.8
	30920 Pembuatan basikal dan invalid carriages Industri lain	-23.0	-7.1	0.7	-28.2	-25.8	-23.0	-13.0	6.3	-2.8	-7.1	-23.1	-7.1	4.8	2.8	0.7	-27.9	-28.9
		-12.9	2.1	2.5	-14.6	-11.8	-12.9	-9.4	0.6	-0.2	2.1	-12.8	2.1	1.9	4.2	2.5	-8.3	-9.2
310	Pembuatan perabot	-2.9	4.0	1.2	-1.5	-1.2	-2.9	-0.7	-2.5	4.6	4.0	-2.9	4.0	2.0	1.4	1.2	-3.8	-2.1
	31001 Pembuatan perabot kayu dan rotan Industri lain	-3.4	5.4	0.8	-0.3	-0.5	-3.4	-1.9	-5.3	4.3	5.4	-3.2	5.4	1.4	1.0	0.8	-1.6	-1.2
		-1.4	-0.4	2.5	-5.2	-3.5	-1.4	3.2	6.8	5.5	-0.4	-2.0	-0.4	4.2	2.8	2.5	-10.7	-4.9
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	-9.8	-4.2	-3.3	-6.9	-4.3	-9.8	-9.0	-8.4	-7.5	-4.2	-9.8	-4.2	5.9	-1.0	-3.3	-9.7	-4.6
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	6.0	8.2	1.1	4.7	5.1	6.0	7.3	4.6	5.4	8.2	4.9	8.2	-2.4	1.4	1.1	1.7	4.0
	32901 Pembuatan alat tulis Industri lain	5.6	3.0	9.0	8.9	8.1	5.6	-4.0	-4.6	-3.9	3.0	5.4	3.0	9.0	12.7	9.0	6.8	6.6
		6.1	9.9	-1.4	3.3	4.1	6.1	11.3	7.8	8.6	9.9	4.8	9.9	-6.1	-2.2	-1.4	0.0	3.1
323/ 32300	Pembuatan barangan sukan	-1.2	13.0	-1.3	2.5	0.1	-1.2	14.7	6.9	5.4	13.0	-0.3	13.0	1.9	-1.6	-1.3	2.8	2.8
324/ 32400	Pembuatan permainan dan mainan	-6.5	0.5	3.7	0.1	0.7	-6.5	-8.3	-7.7	-6.5	0.5	-5.9	0.5	5.1	4.3	3.7	4.1	-0.1
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-2.6	3.7	3.5	-4.9	-3.5	-2.6	0.8	1.5	2.3	3.7	-3.4	3.7	4.9	4.6	3.5	-1.3	-3.4
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal Industri lain	-5.9	-7.3	2.1	-5.1	-8.7	-5.9	-9.3	-7.3	-4.2	-7.3	-5.4	-7.3	4.4	6.1	2.1	-2.7	-3.9
		-1.9	6.1	3.8	-4.9	-2.4	-1.9	3.2	3.5	3.7	6.1	-2.9	6.1	5.1	4.2	3.8	-1.0	-3.3
Jumlah Pembuatan		-2.0	2.7	1.2	-2.2	-2.3	-2.0	-1.1	1.2	1.6	2.7	-2.1	2.7	1.4	1.6	1.2	-3.2	-2.8

Jadual **1.5c** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
Table : Number of Paid Employees of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021									
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun
101	Pemprosesan dan pengawetan daging	-2.0	-2.1	2.9	-3.2	1.7	-0.2	3.7	-3.9	-3.0	1.3	-0.2	-0.5	-0.7	-0.9
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-4.0	-3.5	0.2	-2.2	4.8	-2.9	0.5	-0.03	-5.0	2.0	-0.9	-7.2	0.8	3.3
	10201 Pengetinan ikan, krustasea dan moluska														
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	-3.3	-1.8	-0.2	-1.9	3.8	-2.4	-0.7	-1.2	-5.7	2.7	-0.2	-5.4	0.6	3.1
	Industri lain	-8.0	-12.4	2.2	-4.1	10.7	-5.9	7.9	6.3	-1.4	-2.1	-4.7	-17.6	1.8	4.5
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	9.5	5.2	-7.9	-0.6	1.2	-0.7	-8.7	-1.1	14.9	-1.4	-3.3	14.7	-8.2	-0.1
	10303 Pengetinan nanas														
	10304 Pembuatan jem, marmalad dan sajian jeli	2.9	-0.7	7.5	0.01	1.2	-1.8	-50.7	0.9	6.7	-2.1	-1.4	-2.3	1.5	0.1
	Industri lain	10.2	5.8	-9.4	-0.6	1.2	-0.5	-4.1	-1.2	15.7	-1.4	-3.5	16.4	-9.0	-0.1
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	0.8	1.8	-0.9	-2.9	0.2	0.4	2.1	0.2	3.1	-0.2	-2.1	1.1	-0.4	1.1
	10404 Pembuatan minyak sayuran mentah dan bertapis														
	10406 Pembuatan sebatian lemak masakan	2.2	-6.5	3.6	-0.7	1.5	-0.8	0.0	4.8	5.8	-4.6	1.2	-8.5	-3.5	5.8
	10405 Pembuatan minyak kelapa	-2.7	0.3	0.4	0.1	1.3	-1.1	-0.02	2.6	1.0	-3.8	0.1	0.1	-0.1	0.3
	Industri lain	0.8	2.3	-1.1	-3.1	0.1	0.5	2.3	-0.2	3.0	0.2	-2.3	1.6	-0.2	0.9
105	Pembuatan produk tenusu	-2.8	1.4	1.0	-3.7	6.3	0.7	0.1	-4.9	2.7	-1.2	-4.3	0.6	0.9	-0.1
	10502 Pembuatan susu pekat, tepung dan sejat	-5.0	-0.8	1.7	-3.7	7.0	0.4	0.5	-4.5	1.0	-0.4	-5.5	-1.4	1.1	-0.4
	Industri lain	4.0	7.9	-0.9	-3.7	4.3	1.4	-1.0	-6.1	8.2	-3.4	-0.6	6.5	0.4	0.9
106	Pembuatan produk bijian, kanji dan produk berkanji	4.3	-3.0	0.2	-0.4	2.4	-0.05	3.1	-0.4	4.3	-0.6	0.6	-0.1	-1.3	-1.6
	10611 Pengilangan beras	5.0	-2.5	1.0	-2.6	5.2	-1.0	6.7	-6.0	5.5	-0.7	0.2	0.4	-2.1	-0.8
	10613 Pengilangan tepung	2.8	-1.7	-0.04	0.4	0.2	1.5	0.4	3.4	2.6	-0.9	1.1	-1.4	-0.2	-0.1
	Industri lain	8.2	-10.9	-2.2	6.4	-0.3	-2.6	-2.2	10.8	6.7	0.6	0.9	3.2	-2.6	-11.3
107	Pembuatan produk makanan lain	2.2	0.4	0.5	-0.8	4.5	0.5	0.4	0.9	2.8	-0.7	0.1	-1.1	0.1	1.4
	10711 Pembuatan biskut dan cookies	2.3	2.6	1.5	-1.4	-1.0	-0.1	0.0	19.7	4.2	-1.4	-0.4	2.6	-0.8	0.8
	10712 Pembuatan roti, kek dan produk bakeri lain	0.7	-4.4	0.5	-1.6	1.9	4.9	1.4	-0.8	2.6	-1.7	-0.1	-3.4	-2.0	1.0
	10713 Pembuatan produk snek	0.2	-1.2	-1.9	0.2	1.2	-0.5	-4.4	-0.01	2.3	-1.4	-0.7	0.1	-0.1	-1.3
	10721 Pembuatan gula	-0.9	0.3	-11.2	0.3	-0.3	-1.0	1.2	-3.1	0.4	-0.9	-0.4	-0.3	0.4	0.1
	10731 Pembuatan produk koko	1.7	5.2	0.4	-8.5	-1.3	-1.7	-1.2	-1.1	2.8	-1.9	0.7	-1.0	0.3	5.9
	10732 Pembuatan coklat dan produk coklat														
	10733 Pembuatan konfeksi gula	-4.6	-4.6	-0.2	-2.9	-0.6	-1.3	-1.5	-4.7	-4.6	1.8	-1.8	-1.8	-3.1	0.3
	10793 Pembuatan sos dan bahan perasa	-1.3	3.2	1.1	-0.2	12.7	-2.1	1.0	6.2	-2.6	1.2	0.2	0.4	0.5	2.2
	10799 Pembuatan produk makanan lain f.t.t.l.	-0.8	4.1	1.2	4.3	14.9	-1.5	0.4	-5.3	-0.5	-0.1	-0.2	-2.1	0.8	5.5
	Industri lain	9.0	3.6	1.4	-1.1	5.6	-0.4	1.2	-1.1	8.2	-0.6	1.4	-0.4	2.9	1.1
108/ 10800	Pembuatan makanan haiwan tersedia	1.3	-0.9	0.8	-5.7	-1.0	-0.2	-10.6	-5.9	3.0	-0.1	-1.5	-3.6	0.9	1.9
110	Pembuatan minuman ringan	2.7	-11.4	-0.3	-1.5	2.8	-3.0	2.5	-0.5	2.9	0.4	-0.6	-9.2	-1.8	-0.7
	11041 Pembuatan minuman ringan	4.5	-11.6	-0.8	-0.9	0.2	-1.3	-0.9	1.9	4.4	0.9	-0.8	-10.9	0.4	-1.2
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-1.3	-8.6	0.2	-2.2	2.0	-6.3	2.6	-1.7	-0.9	0.01	-0.4	-7.1	-1.4	-0.3
	Industri lain	1.8	-18.5	1.6	-3.6	26.5	-5.0	25.4	-11.0	3.8	-2.2	0.3	-2.3	-18.0	1.6
120/ 12000	Pembuatan produk tembakau	1.3	-39.5	10.0	7.8	21.7	-18.5	3.9	0.2	0.2	0.7	0.3	-40.4	1.5	-0.1
131	Pemintalan, penenunan dan penyiapan tekstil	0.7	-3.5	-3.3	-1.5	0.7	-2.7	0.7	0.9	3.2	-0.8	-1.5	-6.1	1.1	1.7
	13110 Penyediaan dan pemintalan gentian tekstil														
	13120 Penenunan tekstil	0.9	-1.3	-1.0	-1.3	-0.6	-2.2	-2.5	-0.5	4.2	-1.5	-1.7	-2.2	1.0	-0.1
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3.2	-8.3	-11.4	-0.9	6.0	0.1	10.4	8.1	3.3	0.9	-1.0	-0.8	-5.5	-2.1
	Industri lain	-10.5	-9.6	2.0	-7.1	-2.1	-21.6	2.9	-20.9	-8.7	-0.2	-1.8	-78.4	138.9	75.6
139	Pembuatan tekstil lain	1.8	-3.0	-0.9	-2.0	4.4	0.05	1.3	2.3	5.2	0.7	-3.9	-4.9	2.6	-0.6
	13910 Pembuatan fabrik dikait dan dikrusye	-0.01	-4.14	0.43	-1.98	2.4	2.6	2.3	3.16	-1.1	1.1	0.02	-4.4	2.1	-1.8
	Industri lain	3.0	-2.2	-1.8	-2.1	5.8	-1.6	0.5	1.8	9.4	0.5	-6.3	-5.2	2.9	0.2
141	Pembuatan pakaian, kecuali pakaian berbulu	2.9	-9.4	-12.2	-4.1	0.7	-4.4	-1.3	7.3	3.3	-0.1	-0.3	-8.6	1.4	-2.2
	14102 Pembuatan pakaian	2.5	-9.9	-15.5	-5.3	0.4	-2.3	-1.1	6.3	2.9	-0.3	-0.04	-7.8	1.4	-3.6
	Industri lain	4.0	-7.6	-2.1	-1.0	1.4	-9.9	-1.9	10.1	4.6	0.4	-1.0	-11.2	1.6	2.4
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	5.4	-21.8	-8.2	0.8	-4.3	-0.8	-16.4	1.9	1.5	3.5	0.4	-20.0	-1.3	-0.9
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	0.5	-5.1	2.0	2.9	0.8	-2.9	6.6	3.3	0.6	0.5	-0.6	-3.5	-1.3	-0.3
152	Pembuatan kasut	2.2	-3.0	-4.7	0.6	2.2	-3.5	-0.1	1.8	2.4	3.2	-3.3	-5.0	2.1	-0.04
	15201 Pembuatan kasut kulit														
	15203 Pembuatan kasut getah	1.5	-6.7	-4.0	2.7	0.5	-5.0	-2.3	5.0	0.8	6.7	-5.7	-10.1	4.6	-0.8
	Industri lain	3.1	1.9	-5.5	-2.1	4.4	-1.7	2.5	-1.9	4.5	-1.3	0.0	1.8	-0.8	0.9
161/ 16100	Pengilangan dan pengetaman kayu	1.0	-8.4	1.7	-0.5	0.9	-7.7	11.1	0.7	5.3	-0.3	-3.8	-16.2	7.9	1.4

2020						2021												Group Description/Period					
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.						
-0.3	-0.01	3.2	-3.3	0.2	-0.1	3.6	-0.8	-1.0	-0.02	0.05	-0.3	-0.1	-0.6	4.4	-2.7	-0.4	-0.8	Processing and preserving of meat					
0.1	-0.1	0.1	-0.8	-1.3	-0.2	5.1	0.1	-0.4	-1.2	-1.1	-0.7	0.1	-0.7	1.1	-0.8	-0.7	1.5	Processing and preserving of fish, crustaceans and molluscs Canning of fish, crustaceans and molluscs					
-0.4	-0.1	0.3	-0.8	-1.2	0.0	3.5	0.5	-0.2	-1.1	-1.1	-0.2	-0.6	-0.7	0.6	-1.0	-1.4	1.3	Processing, curing and preserving of fish, crustacean and molluscs					
3.2	-0.2	-0.7	-1.3	-1.6	-1.3	15.0	-1.9	-1.8	-1.4	-1.3	-3.3	4.6	-0.7	4.0	0.1	3.6	2.5	Other industry					
-6.2	0.9	-2.7	-0.4	-0.4	0.3	4.0	-1.3	-1.4	0.6	-1.2	-0.1	0.9	-8.1	-1.4	-2.2	-0.7	1.9	Processing and preserving of fruits and vegetable Pineapple canning					
9.8	-4.3	2.3	-0.4	-0.3	0.7	3.2	-0.9	-0.9	-1.3	-0.2	-0.2	-0.6	-50.1	-0.7	-0.2	-1.6	2.7	Manufacture of jams, marmalades and table jellies					
-7.7	1.4	-3.2	-0.4	-0.5	0.3	4.1	-1.4	-1.4	0.8	-1.2	-0.04	1.0	-3.6	-1.4	-2.3	-0.7	1.8	Other industry					
-0.7	0.1	-0.3	-2.6	-0.1	-0.3	0.4	0.0	-0.3	0.04	0.4	0.02	0.9	-0.1	1.3	-2.0	1.6	0.6	Manufacture of vegetable and animal oils and fats Manufacture of crude and refined vegetable oil					
2.7	-0.2	1.0	-0.2	-0.5	-0.1	-1.1	0.1	2.5	-0.8	0.8	-0.8	0.0	0.1	-0.1	0.0	4.6	0.2	Manufacture of compound cooking fats					
-0.1	0.5	0.0	0.3	-0.1	-0.1	0.4	0.8	0.1	-0.7	-0.4	0.0	-0.9	0.8	0.1	0.0	2.8	-0.1	Manufacture of coconut oil					
-0.9	0.1	-0.4	-2.8	-0.1	-0.3	0.5	0.0	-0.4	0.1	0.4	0.1	1.0	-0.1	1.4	-2.1	1.4	0.6	Other industry					
0.1	0.7	0.1	-3.2	-0.1	-0.4	4.5	0.9	0.8	1.0	-0.3	-0.05	-0.4	0.4	0.1	-4.5	-0.4	0.02	Manufacture of dairy products Manufacture of condensed, powdered and evaporated milk					
0.4	1.0	0.2	-3.3	0.1	-0.5	6.2	0.4	0.4	0.7	-0.3	0.03	-0.2	0.8	-0.1	-4.7	-0.02	0.2	Other industry					
-0.8	0.04	-0.1	-3.0	-0.4	-0.2	-0.1	2.2	2.1	1.9	-0.3	-0.3	-0.8	-0.7	0.5	-4.2	-1.6	-0.4	Manufacture of grain mill products, starches and starch products					
-0.01	-0.5	0.7	-0.9	0.5	0.0	3.0	-0.6	0.1	-0.3	0.4	-0.2	-0.1	1.0	2.2	-0.4	-0.8	0.8	Rice milling					
0.3	-0.5	1.2	-1.8	-0.6	-0.2	6.4	-0.9	-0.2	-0.9	0.4	-0.4	-0.2	3.5	3.3	-0.8	-4.6	-0.7	Flour milling					
0.2	-0.8	0.6	-0.2	-0.2	0.7	-0.4	-0.1	0.7	0.3	1.1	0.1	0.1	-0.6	0.9	-0.4	2.1	1.7	Other industry					
-2.1	0.6	-0.7	0.5	8.4	-2.3	2.6	-1.3	-1.6	-0.1	-2.1	-0.4	-0.7	-3.9	2.5	1.7	5.3	3.4	Manufacture of other food products					
0.4	-0.3	0.5	-1.5	0.2	0.5	4.2	0.2	0.1	0.3	-0.7	0.9	0.2	-0.2	0.3	-0.2	1.1	-0.03	Manufacture of biscuits and cookies					
2.3	-0.3	-0.5	-0.6	-0.2	-0.6	0.0	-0.5	-0.5	0.9	-1.4	0.4	-0.9	-0.1	1.1	2.7	17.6	-0.9	Manufacture of bread, cakes and other bakery products					
0.6	-1.2	1.1	-2.0	0.1	0.2	1.8	0.1	0.0	1.8	-0.6	3.7	0.2	0.4	0.7	-1.5	0.5	0.2	Manufacture of snack products					
1.2	-0.2	-2.9	-0.2	0.4	-0.1	3.3	-1.0	-1.0	-0.6	-0.4	0.5	-0.6	-0.3	-3.5	-0.8	0.3	0.5	Manufacture of sugar					
-11.9	0.4	0.4	0.05	0.0	0.2	-0.5	0.1	0.1	-0.7	-0.2	-0.1	-0.3	1.2	0.3	-2.8	-2.0	1.7	Manufacture of cocoa products					
0.1	-0.1	0.4	-6.5	-2.1	0.1	-0.1	-0.6	-0.6	-0.9	-1.2	0.5	0.3	-1.2	-0.3	-3.2	1.4	0.8	Manufacture of chocolate and chocolate products					
-0.9	-0.04	0.7	-3.1	0.7	-0.5	0.7	-0.6	-0.8	-0.2	-0.4	-0.7	-0.8	-0.1	-0.6	0.7	-5.4	0.04	Manufacture of sugar confectionery					
0.1	-0.2	1.2	0.3	-0.5	0.0	14.4	-0.8	-0.7	-0.4	-0.7	-0.9	-0.5	0.5	1.0	0.5	4.3	1.3	Manufacture of sauces and condiments					
0.8	0.3	0.1	-2.2	2.1	4.4	10.3	3.6	0.6	-1.5	-0.5	0.4	0.6	-2.1	1.9	-0.9	-4.1	-0.4	Manufacture of other food products n.e.c.					
0.3	-0.1	1.3	-1.2	-0.1	0.2	4.6	0.01	1.0	0.2	-0.6	0.1	1.1	-0.02	0.1	0.2	-0.9	-0.4	Other industry					
0.4	0.05	0.3	-6.0	0.1	0.2	-1.2	0.2	0.03	0.3	-0.2	-0.4	1.9	-12.3	0.1	-2.2	-2.7	-1.2	Manufacture of prepared animal feeds					
1.4	-0.2	-1.5	-2.6	-0.2	1.4	1.9	0.5	0.3	-1.0	-0.7	-1.3	-0.1	2.4	0.2	-1.7	0.0	1.2	Manufacture of beverages					
1.0	0.02	-1.7	-2.4	0.0	1.5	-0.4	0.4	0.3	-0.7	-0.7	0.1	-1.3	0.04	0.4	0.0	0.3	1.6	Manufacture of soft drinks					
2.0	-0.7	-1.0	-2.9	1.4	-0.7	1.4	0.3	0.3	-1.5	-1.0	-4.0	3.3	-0.7	-0.05	-4.0	2.2	0.2	Production of natural mineral waters and other bottled waters					
3.6	-0.8	-1.1	-3.3	-7.8	8.1	23.3	2.4	0.2	-1.1	-0.5	-3.5	-1.1	27.0	-0.1	-6.1	-6.7	1.5	Other industry					
-0.8	-1.0	12.0	3.5	6.3	-2.1	7.2	14.9	-1.2	-18.4	0.3	-0.5	-3.3	-4.7	12.7	0.2	0.1	-0.03	Manufacture of tobacco products					
-2.5	0.2	-0.9	0.4	-0.7	-1.2	-0.7	1.2	0.3	-0.1	0.2	-2.8	-1.2	1.8	0.1	0.9	-1.7	1.7	Spinning, weaving and finishing of textiles Preparation and spinning of textile fibres					
-0.9	0.2	-0.3	0.3	-0.8	-0.8	-1.1	0.9	-0.5	-0.3	-0.2	-1.8	-1.3	-1.0	-0.3	-0.4	0.01	-0.1	Weaving of textiles					
-8.1	-0.3	-3.3	0.6	-0.6	-0.9	-1.0	3.5	3.5	0.5	0.0	-0.5	2.2	3.9	4.0	5.2	-3.7	6.8	Dyeing, bleaching, printing and finishing of yarns and fabrics					
0.0	2.0	0.0	0.6	-0.6	-7.1	4.9	-3.4	-3.3	-1.1	6.9	-25.8	-18.8	48.2	-14.5	-2.8	-18.6	0.0	Other industry					
-1.0	1.1	-1.0	-1.5	-0.3	-0.3	4.8	-1.0	0.6	0.2	2.0	-2.1	-0.1	0.03	1.3	-0.2	2.7	-0.1	Manufacture of other textiles					
-0.3	1.5	-0.8	-1.3	-0.4	-0.4	3.1	-0.3	-0.4	0.9	2.1	-0.4	0.1	-0.3	2.6	0.5	2.0	0.7	Manufacture of knitted and crocheted fabrics					
-1.4	0.8	-1.1	-1.6	-0.2	-0.2	6.0	-1.5	1.3	-0.2	1.9	-3.2	-0.1	0.3	0.4	-0.7	3.1	-0.6	Other industry					
-6.4	-7.5	1.3	-2.3	-1.7	-0.2	0.1	0.6	-0.02	-0.4	1.2	-5.2	-0.7	1.0	-1.5	-0.4	7.2	0.5	Manufacture of wearing apparel, except fur					
-7.4	-10.0	1.3	-2.7	-2.3	-0.3	-0.5	0.8	0.1	-0.1	1.9	-4.0	-0.6	1.2	-1.6	-0.9	6.9	0.4	Manufacture of clothings					
-3.5	0.02	1.4	-1.1	-0.2	0.3	1.6	0.1	-0.3	-1.3	-0.5	-8.2	-1.0	0.4	-1.3	0.8	8.3	0.9	Other industry					
-7.9	0.01	-0.3	0.1	-1.1	1.7	-4.3	1.9	-1.9	-0.4	-0.4	0.0	-0.3	-16.4	0.2	-3.4	3.8	1.7	Manufacture of articles of fur, knitted and crocheted apparel					
0.6	0.2	1.1	0.5	0.8	1.6	0.2	1.4	-0.7	-0.04	0.6	-3.5	-2.0	4.6	4.0	2.9	0.5	-0.1	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur					
-3.4	-1.8	0.5	-0.1	1.1	-0.5	2.9	1.6	-2.3	0.5	0.05	-4.0	-1.4	-0.8	2.1	1.3	0.7	-0.2	Manufacture of footwear Manufacture of leather footwear					
-2.3	-1.9	0.1	0.8	1.3	0.6	2.4	1.2	-3.0	1.2	0.4	-6.5	-0.6	-1.0	-0.7	3.0	1.8	0.1	Manufacture of rubber footwear					
-4.8	-1.7	1.0	-1.1	0.8	-1.7	3.6	2.2	-1.3	-0.5	-0.4	-0.8	-2.5	-0.5	5.6	-0.7	-0.7	-0.5	Other industry					
1.7	-0.5	0.4	-0.2	0.1	-0.4	1.1	0.1	-0.3	0.9	-0.1	-8.4	6.9	1.8	2.1	-0.1	0.6	0.3	Sawmilling and planning of wood					

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021									
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	-1.5	-5.4	0.3	-2.1	-1.8	0.9	2.7	0.2	1.8	-0.6	-2.6	-7.0	1.5	0.3
16211	Pembuatan kepingan venier dan papan lapis	-1.0	-9.1	-0.1	-3.5	-3.6	0.8	5.4	-1.4	0.5	0.6	-2.0	-9.8	0.4	0.4
16212	Pembuatan papan partikel dan papan gentian	-4.0	-7.7	-1.0	-0.5	0.6	-6.7	-2.3	6.1	-0.2	-3.2	-0.7	-2.1	-2.6	-3.2
16221	Pertukangan kayu untuk jurubina	-0.7	4.4	2.0	-0.9	3.0	2.9	0.2	-5.9	9.4	-3.5	-6.0	0.4	2.4	1.6
	Industri lain	-2.5	1.6	1.1	0.9	-2.0	4.1	-0.8	9.0	0.8	-0.4	-2.9	-6.8	8.0	0.9
170	Pembuatan kertas dan produk kertas	0.1	-7.5	0.8	1.9	1.9	-2.0	1.1	2.6	1.2	-0.1	-0.9	-8.4	0.2	0.8
17010	Pembuatan pulpa, kertas dan kertas tebal	1.6	-2.1	1.5	2.0	1.4	-3.0	0.9	8.1	3.9	3.9	-5.9	-5.2	3.4	-0.04
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	-1.4	-9.0	2.5	2.2	0.9	-0.7	0.1	1.2	-3.1	1.6	0.1	-9.5	-0.7	1.2
17091	Pembuatan sampul surat dan kad surat	-0.6	-11.0	1.2	1.0	3.0	-2.5	-1.3	-5.0	-1.4	-0.5	1.3	-11.1	2.0	-1.9
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	2.6	-9.0	-0.3	1.4	1.0	-1.0	0.2	5.9	8.5	-5.2	-0.2	-8.0	-1.7	0.6
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-0.2	-8.8	-2.5	3.1	7.3	-5.5	6.7	-0.9	0.5	-0.6	-0.1	-10.2	0.5	1.0
	Industri lain	0.1	-3.0	-0.3	0.7	1.3	-2.6	0.8	0.5	3.0	-1.6	-1.2	-5.8	1.7	1.2
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	0.6	-4.7	0.7	2.0	0.9	-3.9	-0.9	7.9	3.4	-0.6	-2.1	-7.7	0.7	2.6
18110	Percetakan	0.1	-6.0	0.6	2.6	1.1	-3.8	-1.0	8.7	2.8	-0.3	-2.4	-9.4	0.7	2.9
18120	Aktiviti perkhidmatan berkaitan percetakan &	3.0	1.0	1.0	-0.4	0.2	-4.0	-0.4	4.4	5.9	-1.8	-1.0	-0.7	0.5	1.2
18200	Penerbitan semula media rakaman														
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	0.5	-11.7	2.6	1.9	3.5	-2.3	2.0	-0.3	1.0	-0.2	-0.3	-9.5	-2.2	-0.3
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	1.2	-12.1	2.7	1.4	-2.2	-3.2	0.6	-3.1	4.1	-2.2	-0.7	-12.1	0.3	-0.4
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	2.8	-14.2	2.3	2.8	7.4	-0.7	1.9	-24.8	3.2	-0.02	-0.4	-15.0	0.7	0.2
20112	Pembuatan kimia organik asas	1.0	-6.6	1.8	2.3	0.7	-2.1	1.0	9.4	3.3	-1.1	-1.2	-7.7	2.1	-0.9
20113	Pembuatan sebatian bukan organik														
20121	Pembuatan baja	-0.5	-8.9	2.4	2.2	3.4	-8.8	1.1	-13.0	5.8	-6.0	0.01	-6.4	-2.5	-0.2
20129	Pembuatan produk campuran nitrogen	2.9	-20.7	4.3	-0.7	-15.8	-0.8	-1.6	-1.4	4.5	-1.0	-0.6	-20.6	0.2	-0.3
20131	Pembuatan plastik dalam bentuk primer	-5.3	1.2	2.3	0.2	4.3	-3.1	1.6	11.2	2.9	-5.8	-2.3	-0.1	0.8	0.5
	Industri lain														
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	1.2	-6.5	1.3	-1.0	9.2	-3.2	-1.1	3.6	1.4	0.8	-1.0	-7.7	0.5	0.8
20210	Pembuatan racun perosak dan produk agrokimia lain	-1.3	0.3	1.2	-0.9	14.2	-1.5	-0.7	5.7	1.6	-0.4	-2.4	-0.3	-0.9	1.5
20221	Pembuatan cat, varnis dan penyadur dan mastik	-1.3	-12.0	-1.9	0.2	19.5	-16.7	-2.7	-3.2	0.7	-1.3	-0.6	-11.1	-1.3	0.3
20222	Pembuatan dakwat cetak	-1.4	-0.3	0.4	-1.9	23.1	0.8	0.0	0.4	-0.3	-1.2	0.0	-0.1	-0.1	0.0
20231	Pembuatan sabun dan bahan pencuci, penyediaan & membersihkan dan mengilat	-0.4	-3.7	4.1	-1.4	1.6	0.8	-1.7	-0.5	0.0	1.5	-1.9	-7.2	2.4	1.3
20232	Pembuatan pewangi dan penyediaan dandanan diri														
20291	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials														
20292	Pembuatan dakwat menulis dan melukis	7.3	-9.5	0.03	-1.4	8.1	0.8	0.4	15.8	4.8	2.4	0.01	-9.7	-0.1	0.4
20299	Pembuatan produk kimia lain t.t.t.l.														
	Industri lain	4.8	-1.8	-1.0	3.6	-2.9	0.6	-1.0	-8.6	5.4	-0.3	-0.3	-2.4	-2.4	3.1
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	-1.5	12.1	0.9	-1.7	0.3	12.1	1.1	-5.5	-0.3	-0.3	-1.0	11.2	0.3	0.5
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	-0.6	11.9	1.1	-1.9	0.5	11.1	0.2	-3.0	-0.1	-0.5	-0.01	10.9	0.7	0.2
	Industri lain	-3.7	12.7	0.4	-1.3	-0.2	14.8	3.1	-11.2	-0.5	0.3	-3.4	11.8	-0.5	1.3
221	Pembuatan produk getah	0.3	1.4	1.2	0.2	0.9	3.7	-1.3	-2.5	1.3	-1.0	-0.03	0.7	0.6	0.2
22111	Pembuatan tayar getah untuk kenderaan	0.6	-4.9	-1.7	-4.4	-1.3	8.9	-12.5	2.4	-1.3	2.2	-0.3	-0.5	-2.6	-1.8
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	5.0	7.3	-4.9	-1.7	-3.8	-5.9	5.2	8.0	2.3	2.3	0.3	5.3	-0.2	2.1
22191	Pembuatan produk lain daripada getah asli atau sintetik, & tidak divulgan, divulgan atau dikeraskan	1.1	2.9	1.1	-1.4	-0.3	-0.2	-3.3	-3.2	4.0	-2.1	-0.7	3.8	-0.6	-0.3
22193	Pengilangan semula getah dan proses susu getah														
22192	Pembuatan sarung tangan getah	0.2	1.5	0.01	1.0	1.2	5.4	-0.2	-6.0	0.8	-0.7	0.1	0.04	1.1	0.4
22199	Pembuatan produk getah lain yang t.t.t.l.	-0.6	1.8	5.2	0.9	2.0	2.1	-0.4	3.4	1.3	-1.9	0.1	0.3	1.2	0.4
222	Pembuatan produk plastik	0.5	2.4	0.8	-0.2	0.8	-0.2	-2.1	1.3	0.8	0.1	-0.4	1.0	1.1	0.3
22201	Pembuatan produk plastik separa siap														
22202	Pembuatan produk plastik siap	-3.3	2.3	3.9	0.02	-1.2	1.3	-3.3	-1.9	0.4	-3.6	-0.05	0.7	0.7	0.9
22203	Pembuatan artikel plastik untuk pembungkusan barangan	1.1	4.5	0.9	-0.6	0.8	0.5	-1.1	3.7	1.5	-0.1	-0.3	3.3	0.7	0.5
22204	Pembuatan barangan plastik jurubina	-0.7	-6.1	-0.6	0.2	3.7	-3.9	0.2	0.4	4.9	-5.0	-0.4	-8.7	10.0	-6.6
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	0.9	5.1	1.8	-0.03	3.0	-0.9	-1.6	0.3	1.3	0.03	-0.5	0.9	2.2	1.9
22209	Pembuatan pelbagai produk plastik t.t.t.l.	2.5	0.9	-1.2	-0.03	1.5	-1.4	-2.4	1.5	0.01	3.1	-0.7	-0.1	1.0	0.01
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	-2.4	-2.6	-0.02	0.6	1.6	-2.0	-1.6	7.7	1.0	-1.5	-1.9	-2.2	-0.4	-0.02

2020						2021												Group Description/Period				
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.					
-0.4	-0.5	1.2	-2.6	0.9	-0.3	0.9	-1.2	-1.5	-0.4	3.9	-2.5	0.9	0.1	1.7	-0.2	1.5	-1.1	Manufacture of products of wood, cork, straw and plaiting materials				
-1.2	-0.8	1.9	-2.9	0.4	-1.1	-0.7	-1.4	-1.5	-0.8	4.7	-3.1	1.6	0.7	3.1	-1.5	0.8	-0.7	Manufacture of veneer sheets and plywood				
-0.5	-0.7	0.2	-3.6	3.2	-0.02	0.3	0.2	0.2	-0.6	0.03	-6.2	-0.3	-0.8	-1.2	1.4	3.8	0.8	Manufacture of particle board and fibreboard				
2.0	-0.3	0.3	0.3	-1.5	0.2	5.2	-0.9	-1.1	1.2	1.9	-0.2	-0.4	-0.1	0.7	0.8	-5.2	-1.6	Manufacture of builders' carpentry				
0.3	0.2	0.6	-4.2	3.3	1.9	2.5	-1.7	-2.7	-0.9	5.9	-0.8	0.5	-1.3	-0.04	2.4	9.1	-2.6	Other industry				
-0.04	-0.1	1.0	1.5	-0.1	0.6	1.4	0.6	-0.1	-0.7	-0.3	-1.0	-0.6	0.01	1.7	1.5	1.7	-0.7	Manufacture of paper and paper products				
0.9	-0.6	1.2	1.0	0.1	0.9	0.5	0.4	0.4	-1.1	-0.4	-1.5	-0.04	-0.9	1.9	7.2	0.7	0.1	Manufacture of pulp, paper and paperboard				
0.9	0.05	1.5	1.5	0.01	0.7	0.1	0.5	0.3	-0.7	0.01	0.1	-3.4	1.3	2.2	1.6	0.1	-0.5	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard				
-4.0	1.0	4.5	0.8	0.8	-0.5	4.6	-0.8	-0.8	-2.1	-0.3	-0.1	-0.4	-0.5	-0.4	-0.8	-3.5	-0.8	Manufacture of envelopes and letter-card				
-0.7	0.3	0.0	1.2	0.1	0.2	1.8	-0.4	-0.5	-0.3	-0.6	-0.2	-0.5	-0.4	1.1	-0.3	8.6	-2.2	Manufacture of household and personal hygiene paper				
-1.2	-1.0	-0.4	2.5	-0.2	0.8	2.3	4.7	0.2	-0.8	-0.2	-4.4	6.3	-0.6	1.0	-0.9	0.03	-0.04	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper				
-1.2	-0.04	0.9	1.5	-1.1	0.3	4.8	-1.8	-1.6	0.4	-0.8	-2.2	0.7	-2.2	2.4	0.2	0.9	-0.5	Other industry				
1.3	-0.2	-0.4	1.1	1.2	-0.4	0.3	0.1	0.5	-3.0	0.3	-1.2	-0.5	0.1	-0.6	4.1	3.1	0.5	Printing, service activities related to printing and reproduction of recorded media				
1.4	-0.2	-0.6	1.4	1.6	-0.4	0.5	0.03	0.6	-3.1	0.3	-1.1	-0.5	0.04	-0.6	4.2	3.7	0.6	Printing				
0.8	0.03	0.2	0.1	-0.4	-0.2	-0.3	0.2	0.3	-2.5	-0.1	-1.5	-0.4	0.5	-0.6	3.5	0.7	0.2	Service activities related to printing				
																		Reproduction of recorded media				
2.6	-0.2	0.2	0.7	-0.1	1.3	1.0	0.02	2.5	-2.6	0.04	0.3	1.9	0.02	0.1	-0.5	-0.5	0.7	Manufacture of refined petroleum products				
2.5	0.1	0.1	-0.3	1.1	0.6	-2.2	-0.1	0.1	-2.3	-0.4	-0.4	0.9	-0.03	-0.3	-0.5	-2.6	-0.01	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms				
-0.2	1.4	1.1	-0.2	2.9	0.2	8.4	-0.5	-0.5	0.0	-1.3	0.5	1.2	0.1	0.7	-0.9	-24.0	-0.1	Manufacture of liquefied or compressed inorganic industrial or medical gases				
																		Manufacture of basic organic chemicals				
2.0	-0.3	0.1	0.03	1.3	1.0	1.2	-0.3	-0.3	-0.6	-0.1	-1.4	1.5	-0.1	-0.5	0.6	8.2	0.5	Manufacture of inorganic compounds				
																		Manufacture of fertilizers				
2.1	0.5	-0.1	0.1	0.7	1.5	3.0	-0.3	0.6	-8.6	-0.2	-0.1	1.7	0.1	-0.7	-1.1	-11.1	-1.1	Manufacture of associated nitrogen products				
4.8	-0.2	-0.2	-1.2	0.5	0.02	-16.5	0.4	0.4	-0.1	-0.8	0.1	-0.6	-0.3	-0.6	-1.5	0.3	-0.2	Manufacture of plastics in primary forms				
1.5	0.8	-0.1	0.9	0.4	-1.1	2.8	1.1	0.4	-2.9	0.5	-0.7	-0.5	1.0	1.1	-0.2	10.3	1.1	Other industry				
0.8	0.5	0.1	-0.6	0.5	-0.9	3.6	-0.2	5.5	-4.3	0.9	0.3	-1.1	-0.3	0.3	2.8	1.3	-0.5	Manufacture of other chemical products and man-made fibres				
0.8	0.1	0.3	-0.8	-0.5	0.4	20.7	-2.7	-2.7	-0.3	-1.2	-0.1	-0.2	-0.6	0.1	0.6	4.1	1.0	Manufacture of pesticides and other agrochemical products				
-0.6	0.01	-1.2	-0.1	0.5	-0.2	3.5	-3.1	19.0	-16.3	-0.3	-0.1	0.1	-0.8	-1.9	0.3	-2.2	-1.2	Manufacture of paints, varnishes and similar coatings ink and				
0.0	0.2	0.2	-1.4	-0.1	-0.4	0.0	0.1	23.0	-1.4	0.3	1.9	0.2	-0.3	0.1	-2.0	2.5	-0.1	Manufacture of printing ink				
2.1	1.4	0.5	-0.9	0.7	-1.1	0.8	0.4	0.4	-1.4	2.5	-0.2	-1.9	-0.3	0.5	-0.2	0.4	-0.7	Manufacture of soap and detergents, cleaning and polishing preparations				
																		Manufacture of perfumes and toilet preparations				
																		Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials				
0.1	-0.4	0.3	-0.2	0.6	-1.8	5.2	2.0	0.7	-0.2	0.2	0.9	-1.4	0.2	1.7	11.7	4.2	-0.5	Manufacture of writing and drawing ink				
																		Manufacture of other chemical products n.e.c.				
1.2	0.0	-2.2	0.0	3.6	0.0	-1.0	-1.0	-1.0	-0.3	-0.3	1.3	-0.3	0.0	-0.6	0.0	-8.0	-0.6	Other industry				
0.0	0.7	0.2	-0.9	-0.5	-0.3	-0.1	0.6	-0.2	12.8	-0.8	0.2	0.8	0.9	-0.7	-0.6	-5.1	0.2	Manufacture of pharmaceuticals, medicinal chemical and botanical products				
-0.2	1.0	0.3	-1.2	-0.6	-0.1	-0.2	1.0	-0.3	12.0	-0.7	-0.1	0.7	0.8	-1.2	0.3	-3.0	-0.3	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments				
0.4	0.1	-0.1	-0.3	-0.2	-0.8	0.2	-0.2	-0.2	14.8	-0.9	0.9	0.9	1.4	0.8	-2.6	-10.2	1.5	Other industry				
0.5	0.1	0.7	0.2	0.2	-0.1	0.8	-0.5	0.7	4.2	-0.3	-0.2	-0.7	-0.4	-0.2	-0.3	-1.8	-0.4	Manufacture of rubber products				
-1.4	-0.2	-0.2	0.1	-1.5	-3.0	1.6	-1.4	-1.4	8.9	0.3	-0.2	-12.0	-0.2	-0.4	-0.7	1.2	1.8	Manufacture of rubber tyres for vehicles				
-3.7	-0.2	-1.0	0.7	-1.2	-1.2	-0.1	-1.9	-1.8	3.3	-3.6	-5.4	0.5	3.0	1.6	1.9	7.2	-1.2	Manufacture of interchangeable tyre treads and retreading rubber tyres				
0.7	0.3	0.05	-0.3	0.1	-1.2	0.3	-1.2	0.6	1.6	-1.4	-0.4	0.9	-0.7	-3.4	-1.2	-1.7	-0.2	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened				
																		Rubber remilling and latex processing				
0.5	0.04	-0.6	0.3	0.1	0.6	0.1	-0.2	1.3	4.7	0.1	0.5	-0.2	-0.3	0.3	-0.6	-4.9	-0.6	Manufacture of rubber gloves				
1.0	0.2	4.1	0.3	0.8	-0.2	2.3	-0.5	0.1	3.6	-0.4	-1.1	-0.1	-0.6	0.4	0.6	3.4	-0.5	Manufacture of other rubber products n.e.c.				
0.5	0.8	-0.5	0.02	-0.3	0.1	1.3	-0.5	-0.01	1.3	-0.3	-1.2	-0.8	-0.4	-0.9	0.3	0.8	0.2	Manufacture of plastics products				
																		Manufacture of semi-manufactures of plastic products				
0.3	4.2	-0.5	-0.2	-0.04	0.3	0.1	-0.9	-0.4	3.7	-0.5	-1.9	-2.1	-0.9	-0.3	0.2	-2.0	-0.2	Manufacture of finished plastic products				
0.7	0.05	0.1	0.4	-0.9	-0.01	2.1	-0.9	-0.4	1.2	-0.1	-0.5	-1.1	-0.2	0.2	0.9	2.2	0.6	Manufacture of plastic articles for the packing of goods				
-1.4	0.3	0.5	-0.1	0.7	-0.4	2.9	0.6	0.2	-0.3	-1.0	-2.7	0.3	0.3	-0.5	1.2	-1.2	0.4	Manufacture of builders' plastics ware				
2.3	-0.6	0.2	-0.4	0.01	0.4	1.9	0.2	0.8	0.3	0.02	-1.3	-2.0	0.5	-0.04	0.6	0.1	-0.4	Manufacture of plastic tableware, kitchenware and toilet articles				
0.1	-0.2	-1.1	0.0	-0.1	0.1	1.2	-0.02	0.3	0.1	-0.3	-1.2	0.5	-0.5	-2.4	-0.2	1.6	0.1	Manufacture of diverse plastic products n.e.c.				
-0.4	0.02	0.3	0.1	0.2	0.3	1.0	0.3	0.3	0.6	-1.2	-1.4	-0.5	0.1	-1.3	3.0	-0.5	5.1	Manufacture of glass and glass products				

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		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-0.3	-1.3	-1.1	-0.6	0.6	-1.2	1.6	0.5	2.0	-1.3	-0.9	-2.3	0.0	1.0
23911 & 23921	Pembuatan mortar refraktori dan konkrit	6.0	-2.9	-3.4	-1.7	6.1	-0.8	-2.7	1.2	6.8	0.3	-1.0	-3.4	0.9	-0.4
23930	Pembuatan produk porselin dan seramik lain	1.8	5.1	2.5	-0.4	-4.9	1.9	-4.7	1.5	0.6	0.7	0.5	4.6	-0.3	0.8
23941	Pembuatan simen hidrolik	0.1	0.7	-5.4	0.4	2.4	-0.02	-0.3	4.1	0.2	-0.7	0.6	-0.6	0.7	0.6
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	-2.1	-5.8	-0.6	-3.2	-4.7	1.2	6.9	-1.1	0.6	-0.3	-2.4	-8.2	2.7	-0.1
23952 & 23953	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	-3.7	1.4	-0.8	1.3	1.9	-3.6	2.2	2.8	0.3	-2.9	-1.2	-0.1	-0.7	2.3
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.														
23990	Pembuatan produk mineral bukan logam lain t.t.t.l. Industri lain	4.9 0.9	-5.9 -0.01	0.4 -0.03	-1.6 -0.5	2.0 -0.3	-1.8 -0.3	2.7 0.4	2.1 -10.6	5.7 3.2	-1.1 -2.3	0.3 0.03	-3.6 -0.7	-3.0 -1.1	0.7 1.8
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	0.9	-3.0	-0.2	8.0	-1.3	-1.7	-2.0	7.1	1.6	1.1	-1.8	-3.8	1.3	-0.4
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	1.2	-6.4	0.02	-0.2	1.6	-4.2	0.1	0.8	0.4	1.0	-0.2	-5.1	-0.8	-0.6
243	Pengacuan logam	-4.1	-5.7	1.8	-0.3	7.4	-7.0	-0.03	1.8	1.1	-4.5	-0.7	-3.7	-1.2	-0.8
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	-0.8	6.4	2.9	0.6	1.6	-6.1	4.1	-0.3	-0.3	1.2	-1.6	-3.5	4.4	5.7
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	-2.0	6.8	2.4	0.2	2.4	-7.2	5.3	-1.8	-1.2	1.4	-2.1	-6.2	4.9	8.5
25120	Pembuatan produk struktur logam lain														
25120	Pembuatan tangki, takungan dan kontena daripada logam	1.0	2.9	7.5	2.7	-0.3	-2.3	3.0	1.3	-1.4	3.2	-0.8	0.8	2.3	-0.2
	Industri lain	3.3	9.1	-0.1	0.3	0.3	-5.7	-0.4	4.9	5.9	-2.1	-0.4	4.0	4.9	0.02
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	0.5	-0.6	0.2	0.2	2.5	-2.4	0.4	2.4	1.0	0.2	-0.7	0.1	-0.5	-0.2
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-0.7	4.1	1.4	1.1	1.1	-0.7	0.5	1.2	0.7	0.1	-1.5	4.8	-0.6	-0.1
25920	Rawatan dan penyalutan logam; menggunakan mesin	-0.4	0.3	-1.1	5.0	10.3	-6.6	-2.4	4.4	-0.5	0.5	-0.3	-2.0	2.8	-0.4
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	0.03	-2.4	0.4	1.5	-1.1	-1.1	-1.7	4.4	0.1	-0.1	0.05	-2.0	-0.3	-0.1
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	2.3	-0.01	-0.6	-1.0	-1.6	-2.1	3.1	0.9	1.4	1.6	-0.7	-2.3	2.1	0.2
25994	Pembuatan bolt, skru, nat dan produk uliran seumpamanya														
25994	Pembuatan barangan rumah daripada logam	-2.6	-1.4	-0.6	-2.1	2.2	-11.0	-2.5	4.2	4.8	-7.0	-0.1	-0.6	-0.6	-0.2
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	1.2	-1.2	-0.5	-1.2	5.3	-1.3	0.5	2.8	1.3	0.8	-0.9	-1.4	0.2	0.1
	Industri lain	0.3	-8.6	2.0	-1.5	1.4	-1.9	1.1	2.5	1.1	-1.0	0.3	2.6	-9.4	-1.7
261	Pembuatan komponen dan papan elektronik	-2.2	-5.4	0.01	2.3	1.9	2.2	1.0	3.5	0.3	-0.8	-1.7	-5.2	-0.2	0.0
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	-3.3	-5.7	-0.7	1.1	1.8	2.4	1.8	1.4	0.01	-1.7	-1.6	-4.6	-0.6	-0.5
26103 & 26104	Pembuatan litar elektronik bersepadu dengan pemasangan mikro														
26103 & 26104	Pembuatan kapasitor dan perintang elektrik	-0.3	-4.4	1.5	4.0	2.7	1.9	0.1	6.8	1.9	-0.1	-2.1	-5.8	0.7	0.8
26105	Pembuatan papan litar bercetak														
26109	Pembuatan komponen paparan	-2.7	-7.3	-2.3	2.5	-0.7	2.2	-1.5	2.1	-5.1	2.6	-0.1	-6.1	-1.1	-0.2
26109	Pembuatan komponen lain untuk aplikasi elektronik														
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	10.2	-9.2	0.7	1.5	1.5	1.1	3.3	3.1	4.5	0.4	5.1	-8.6	-0.4	-0.3
263/ 26300	Pembuatan peralatan komunikasi	4.8	-2.0	3.0	1.6	-1.8	4.1	-0.1	0.6	3.4	1.1	0.3	-5.4	0.6	2.9
264/ 26400	Pembuatan peralatan elektronik pengguna	0.7	-0.1	1.8	-1.9	-1.1	-0.3	2.2	-1.4	0.2	0.01	0.5	-4.0	0.2	3.9
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	2.7	-7.6	-1.0	-0.4	4.0	-0.3	0.6	2.4	2.1	0.7	-0.2	-6.6	-0.5	-0.4
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	3.9	-7.1	-1.0	-0.2	4.5	0.4	1.5	0.8	3.1	0.6	0.1	-6.6	-0.04	-0.5
26520	Pembuatan kelengkapan kawalan proses perindustrian														
26520	Pembuatan jam tangan dan jam dan bahagiannya	-1.1	-9.0	-0.9	-0.9	2.3	-2.9	-2.2	8.0	-0.9	0.9	-1.1	-6.8	-2.2	-0.1
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	4.8	-8.5	0.1	0.7	-0.2	1.6	2.3	-3.4	-0.3	4.8	0.3	-9.2	0.4	0.4

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021									
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	7.0	-6.1	-1.3	-1.7	-1.8	-0.01	-1.4	-5.8	-1.5	8.6	0.1	-1.8	-1.6	-2.8
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	2.1	0.1	2.4	0.8	2.5	-2.0	4.2	1.9	1.9	0.6	-0.4	-0.8	0.4	0.6
	27101 Pembuatan motor elektrik, penjana dan transformer	3.9	-1.6	2.5	1.4	5.7	-3.3	2.7	0.8	3.6	0.8	-0.5	-1.8	0.1	0.1
	27102 Pembuatan perkakasan pengagihan dan pengawalan	0.7	1.6	2.4	0.4	-0.1	-0.9	5.5	2.8	0.5	0.4	-0.3	0.02	0.6	0.9
272/ 27200	Pembuatan bateri dan akumulator	0.3	6.4	2.6	-0.04	2.0	-3.8	-0.2	-6.8	0.7	0.2	-0.6	1.1	1.5	3.6
273	Pembuatan pendawaian dan peranti pendawaian	-0.1	-7.8	3.8	6.5	-2.8	2.1	3.6	4.9	0.4	0.1	-0.7	-6.4	-1.7	0.2
	27310 Pembuatan kabel gentian optikal	0.0	-9.2	-0.7	-1.8	-0.3	-1.4	8.2	-6.2	0.8	0.1	-0.9	-10.1	0.1	1.0
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	-0.4	-8.2	4.3	7.4	-3.3	0.9	3.7	5.9	0.3	0.1	-0.7	-6.7	-1.9	0.3
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	3.6	-1.9	-0.5	-0.6	2.0	19.9	0.5	-0.7	2.3	0.9	0.3	-0.3	-0.3	-1.3
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-3.3	-9.3	-0.1	0.9	-3.0	-2.1	-5.0	-10.1	-0.5	-2.3	-0.5	-7.7	-0.9	-0.9
275/ 27500	Pembuatan perkakasan domestik	0.2	-1.3	-0.4	-2.4	4.3	-2.9	-1.7	3.8	2.1	-0.3	-1.6	-1.6	-1.3	1.6
279/ 27900	Pembuatan kelengkapan elektrik lain	1.0	2.6	12.1	1.9	-1.0	-1.8	0.6	2.7	-0.7	1.3	0.4	-0.9	0.3	3.2
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-1.6	1.2	0.6	0.7	0.6	1.2	-2.2	1.5	0.0	1.3	-2.9	-0.5	0.2	1.5
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	0.3	-8.2	-2.1	3.1	0.5	-2.1	2.3	21.8	0.3	1.0	-1.0	-1.1	-5.9	-1.3
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	-4.2	1.7	2.6	1.1	-0.2	0.2	-2.0	-3.2	-3.7	2.1	-2.6	0.8	-0.1	1.0
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	3.7	-8.8	0.8	1.1	-2.8	-1.8	-4.2	0.7	9.1	3.9	-8.6	-10.5	-0.1	2.0
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-3.3	0.4	-3.8	-1.8	-0.2	-0.4	-4.6	1.9	-3.8	4.1	-3.4	-1.4	2.4	-0.6
		-1.2	5.4	1.0	0.7	1.9	3.3	-2.0	1.2	0.9	-0.5	-1.6	1.6	1.0	2.6
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-0.8	-9.8	-0.6	1.8	0.6	-1.3	1.4	1.1	0.5	-0.9	-0.4	-8.6	-0.8	-0.5
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	5.0	-18.5	-1.3	0.9	-1.1	0.8	0.1	-1.0	5.8	0.9	-1.7	-14.9	-7.8	3.9
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	1.4	-6.9	0.4	0.7	0.3	-0.5	-0.02	1.1	1.4	0.3	-0.4	-5.9	-2.5	1.5
301 (30110 & 30120)	Pembinaan kapal dan bot	2.5	-6.3	4.0	-1.1	3.0	-7.3	5.1	-1.0	5.0	-2.6	0.1	-7.9	1.9	-0.2
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	1.5	-14.6	1.7	-0.5	5.1	-4.7	0.9	0.4	2.7	0.2	-1.3	-12.6	-0.5	-1.8
	30910 Pembuatan motosikal	5.6	-12.7	-0.04	0.1	5.7	-4.8	1.8	1.1	4.4	0.9	0.3	-11.7	-0.7	-0.5
	30920 Pembuatan basikal dan invalid carriages	-1.4	-28.5	5.0	4.1	11.4	-12.7	-4.0	-0.5	1.2	-2.5	-0.1	-27.6	-0.9	-0.4
	Industri lain	-0.9	-12.2	2.3	-2.2	3.1	-2.5	1.5	0.1	1.7	0.4	-2.9	-9.1	-0.2	-3.2
310	Pembuatan perabot	0.04	-2.9	0.3	-0.4	2.4	-4.6	7.5	-0.9	-0.1	0.2	0.01	-4.9	1.8	0.3
	31001 Pembuatan perabot kayu dan rotan	-0.03	-2.1	-0.2	-1.1	1.5	-5.5	9.9	0.0	-0.3	0.2	0.1	-3.0	0.5	0.4
	Industri lain	0.3	-5.3	1.8	2.1	5.0	-2.1	0.5	-3.6	0.2	0.2	-0.2	-10.9	6.4	-0.2
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	-4.4	-3.7	-0.7	-1.4	-3.5	-3.1	0.3	2.2	1.9	-6.2	0.0	-6.3	5.6	-2.7
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	4.1	1.7	-0.1	0.2	5.3	-0.8	0.6	2.9	3.6	1.4	-0.9	-0.7	0.8	1.6
	32901 Pembuatan alat tulis	8.5	-0.8	-0.1	-1.8	-1.4	-1.5	0.7	5.2	9.5	1.9	-2.8	-2.4	-0.4	2.0
	Industri lain	2.6	2.6	-0.1	0.9	7.6	-0.6	0.6	2.2	1.6	1.2	-0.3	-0.1	1.2	1.5
323/ 32300	Pembuatan barangan sukan	-3.2	3.7	-0.1	-1.5	12.4	-3.3	-1.5	5.6	-1.5	-1.6	-0.1	3.2	0.6	-0.1
324/ 32400	Pembuatan permainan dan mainan	3.2	-4.4	0.9	-6.0	1.2	-3.8	2.2	1.1	3.0	-0.01	0.2	0.8	-5.3	0.1
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-0.7	-3.3	1.6	-0.2	2.8	-2.7	2.5	1.1	3.5	-1.1	-2.9	-1.0	-1.7	-0.6
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	1.6	-6.5	-3.8	3.0	-2.1	-4.5	-0.6	-0.2	4.9	1.2	-4.4	-5.8	-0.1	-0.7
	Industri lain	-1.2	-2.6	2.8	-0.9	3.9	-2.3	3.1	1.4	3.1	-1.6	-2.6	0.1	-2.1	-0.6
Jumlah Pembuatan		0.6	-3.1	0.3	0.2	1.6	-0.8	0.7	1.3	1.7	-0.1	-0.9	-3.9	0.3	0.6

2020						2021												Group Description/Period					
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.						
-1.3	-0.4	0.4	-0.4	-0.7	-0.6	-0.1	-1.0	-0.7	0.2	0.4	-0.6	-1.9	1.3	-0.8	-0.2	-5.8	0.3	Manufacture of optical instruments, photographic equipment, magnetic and optical media					
0.7	1.1	0.6	0.5	0.2	0.1	2.2	0.1	0.2	-1.7	-0.2	0.0	-0.2	2.5	2.0	0.3	-0.2	1.8	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus					
0.9	-0.1	1.6	0.8	0.4	0.2	5.2	0.2	0.2	-2.8	-0.8	0.3	0.5	0.5	1.7	-0.2	-0.7	1.7	Manufacture of electric motors, generators and transformers					
0.6	2.0	-0.2	0.3	0.1	0.1	-0.2	-0.1	0.2	-0.8	0.2	-0.2	-0.8	4.1	2.2	0.8	0.2	1.8	Manufacture of electricity distribution and control apparatus					
0.5	0.6	1.4	-0.2	1.3	-1.1	2.2	-0.7	0.5	-0.6	1.1	-4.3	-1.3	5.7	-4.3	-0.2	-5.7	-0.9	Manufacture of batteries and accumulators					
0.2	2.6	0.9	5.8	1.2	-0.5	-1.0	-1.1	-0.8	-1.0	1.0	2.1	-0.5	2.2	1.9	1.7	1.6	1.5	Manufacture of wiring and wiring devices					
0.0	-0.3	-0.4	-1.9	-1.0	1.1	-1.3	0.5	0.5	-1.8	0.8	-0.4	1.4	-0.4	7.1	-0.2	-8.9	3.1	Manufacture of fibre optic cables					
0.2	3.0	1.1	6.6	1.4	-0.6	-1.1	-1.2	-1.0	-1.1	1.0	1.0	-0.6	2.4	1.9	1.9	2.2	1.7	Manufacture of other electronic and electric wires and cables					
0.0	0.1	-0.6	0.0	0.0	-0.6	0.7	0.6	0.6	0.6	1.0	18.0	-0.3	0.8	0.0	0.3	0.8	-1.7	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material					
-0.5	0.6	-0.2	0.6	-1.2	1.5	-0.5	-1.3	-1.3	-1.4	-0.6	-0.1	-2.0	-1.9	-1.2	-0.9	-8.6	-0.7	Manufacture of electric lighting equipment					
-0.4	0.4	-0.5	-2.2	0.03	-0.2	0.4	-0.4	4.3	-1.2	-1.0	-0.8	-1.4	0.1	-0.4	1.9	1.1	0.8	Manufacture of domestic appliances					
7.3	0.9	3.5	1.5	1.1	-0.7	-0.5	-0.3	-0.3	-0.2	-0.1	-1.4	0.2	-0.5	1.0	-0.6	3.5	-0.1	Manufacture of other electrical equipment					
0.1	-0.1	0.6	-0.9	1.5	0.2	0.5	1.4	-1.4	0.5	-0.4	1.2	-2.1	0.01	-0.1	0.0	1.8	-0.2	Manufacture of general-purpose and special-purpose machinery					
-2.0	-0.5	0.4	-0.9	3.9	0.1	-0.1	0.3	0.3	0.9	-0.6	-2.4	1.6	0.2	0.5	-1.3	25.3	-1.5	Manufacture of fluid power equipment					
																		Manufacture of other pumps, compressors, taps and valves					
																		Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives					
1.5	0.02	1.0	-1.2	2.6	-0.2	-0.7	2.0	-1.4	1.3	-0.8	-0.3	-1.4	-0.3	-0.3	0.2	-3.1	-0.3	Manufacture of metal-forming machinery and machine tools					
-2.2	0.2	2.9	-1.2	1.6	0.8	-3.2	0.7	-0.3	-0.3	-1.3	-0.2	-5.3	0.8	0.4	-2.3	2.2	0.9	Manufacture of air-conditioning machines, including for motor vehicles					
-0.3	-0.3	-3.3	-1.3	-0.03	-0.5	0.2	-0.2	-0.2	1.6	0.2	-2.2	0.1	-1.1	-3.6	0.9	0.4	0.6	Manufacture of other special-purpose machinery					
0.1	-0.1	0.9	-0.7	0.9	0.4	2.3	1.8	-2.1	-0.2	-0.2	3.6	-2.8	0.2	0.6	0.3	1.3	-0.3	Other industry					
-0.2	-0.4	0.1	-0.7	2.4	0.1	0.1	0.9	-0.4	-0.1	-0.2	-1.0	-0.9	0.4	1.9	0.6	0.1	0.4	Manufacture of motor vehicles					
-2.7	1.2	0.2	0.0	0.2	0.8	0.5	-0.1	-1.5	2.0	0.5	-1.7	-0.3	0.1	0.3	0.4	-1.0	-0.5	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers					
0.7	-0.05	-0.3	-0.1	0.5	0.3	-0.2	0.6	-0.1	0.3	-0.4	-0.4	-0.5	-0.4	0.9	0.8	0.1	0.2	Manufacture of parts and accessories for motor vehicles					
3.4	-0.2	0.8	-1.9	0.7	0.1	1.4	0.3	1.3	-5.7	0.5	-2.3	-0.1	0.2	5.0	0.6	0.4	-2.0	Building of ships and boats					
1.9	-0.4	0.2	-0.1	0.4	-0.8	4.8	0.2	0.1	-3.2	-0.6	-1.0	-0.2	-0.3	1.4	1.0	-0.1	-0.5	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c					
-0.1	-0.5	0.6	0.5	0.7	-1.1	2.8	1.4	1.4	-3.8	-0.8	-0.3	-0.4	-0.02	2.2	2.1	-0.2	-0.8	Manufacture of motorcycles					
1.3	-1.5	5.3	0.7	1.0	2.4	10.9	0.2	0.2	-9.3	-1.7	-2.1	-1.0	-2.3	-0.8	-0.2	0.04	-0.3	Manufacture of bicycles and invalid carriages					
3.6	-0.04	-1.2	-0.8	-0.04	-1.4	4.9	-0.8	-0.9	-1.1	-0.1	-1.3	0.1	0.03	1.3	0.3	0.02	-0.2	Other industry					
0.0	0.0	0.3	-0.7	0.2	0.1	1.6	0.3	0.5	1.3	-0.3	-5.6	-2.0	0.3	9.4	-0.7	0.3	-0.5	Manufacture of furniture					
-0.3	-0.02	0.2	-0.4	0.1	-0.8	0.4	0.3	0.8	1.7	-0.2	-6.8	-2.7	0.3	12.6	-0.6	0.8	-0.2	Manufacture of wooden and cane furniture					
1.1	0.1	0.5	-1.7	0.8	3.1	5.1	0.3	-0.4	0.1	-0.4	-1.8	0.1	0.1	0.4	-1.1	-1.1	-1.5	Other industry					
-0.6	0.1	-0.2	-0.5	-0.6	-0.3	2.4	-1.2	-4.7	-0.5	-0.7	-1.9	1.3	-0.2	-0.8	0.7	2.1	-0.6	Manufacture of jewellery, bijouterie and related articles					
-0.3	-0.5	0.8	-0.4	0.5	0.1	2.8	2.0	0.5	0.4	-0.1	-1.1	-0.03	-0.04	0.7	0.7	1.6	0.6	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.					
-0.8	-0.7	1.5	-0.6	-0.8	-0.4	0.3	-1.9	0.3	-0.2	-0.4	-0.9	-0.3	-0.5	1.5	2.4	2.0	0.7	Manufacture of stationery					
-0.2	-0.4	0.5	-0.4	0.9	0.3	3.7	3.2	0.6	0.6	0.0	-1.2	0.1	0.1	0.5	0.1	1.4	0.6	Other industry					
-0.4	0.7	-0.3	-1.2	0.4	-0.7	11.7	0.3	0.3	-1.8	-0.1	-1.4	-0.1	-1.0	-0.4	0.9	3.3	1.3	Manufacture of sports goods					
-0.3	0.6	0.6	-2.9	-1.9	-1.4	1.8	-1.3	0.7	-1.6	-1.5	-0.7	0.02	0.3	1.8	0.4	-0.7	1.4	Manufacture of games and toys					
1.1	0.02	0.5	-0.3	0.2	-0.1	3.7	0.7	-1.5	-0.1	-0.2	-2.4	0.9	0.6	0.9	1.5	0.8	-1.1	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment					
-3.9	-0.1	0.2	-0.2	1.7	1.5	2.3	-2.1	-2.2	0.0	0.3	-4.8	-0.4	-0.2	0.1	-0.6	2.9	-2.5	Repair and maintenance of transport equipment except motorcycles and bicycles					
2.2	0.1	0.5	-0.3	-0.2	-0.4	4.0	1.3	-1.4	-0.2	-0.3	-1.9	1.2	0.8	1.1	1.9	0.3	-0.9	Other industry					
0.2	-0.1	0.2	-0.3	0.3	0.2	1.2	0.1	0.2	0.1	0.1	-0.9	-0.2	0.2	0.8	0.4	0.6	0.3	Total Manufacturing					

Jadual : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan
Table 1.6a : Salaries and Wages Paid of Manufacturing Sector by Group

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2021	2020				2021		
					Q1	Q2	Q3	Q4	Q1	Q2	Q3
101	Pemprosesan dan pengawetan daging	360	343	355	92	82	81	88	88	89	87
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	400	444	457	109	105	114	116	117	115	113
	10201 Pengetinan ikan, krustasea dan moluska										
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	318	361	369	88	86	92	95	95	94	90
	Industri lain	82	84	87	21	19	22	21	22	21	22
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	151	167	174	41	43	41	42	45	45	43
	10303 Pengetinan nanas	17	18	15	4	4	5	5	5	5	3
	10304 Pembuatan jem, marmalad dan sajian jeli										
	Industri lain	134	149	160	37	38	37	37	40	40	40
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	2,715	2,776	2,773	710	693	687	686	681	691	685
	10404 Pembuatan minyak sayuran mentah dan bertapis										
	10406 Pembuatan sebatian lemak masakan	193	193	204	51	45	48	49	51	51	51
	10405 Pembuatan minyak kelapa	130	119	96	34	29	28	27	28	26	21
	Industri lain	2,391	2,464	2,473	625	619	611	609	603	613	613
105	Pembuatan produk tenusu	712	732	804	192	178	167	194	198	204	200
	10502 Pembuatan susu pekat, tepung dan sejat	617	630	704	166	152	143	169	173	178	176
	Industri lain	95	101	99	26	26	25	25	25	26	24
106	Pembuatan produk bijian, kanji dan produk berkanji	340	347	366	89	81	87	90	93	91	91
	10611 Pengilangan beras	156	173	176	45	43	42	42	44	43	44
	10613 Pengilangan tepung	161	151	165	38	32	39	42	42	41	41
	Industri lain	23	23	25	6	6	6	6	6	6	6
107	Pembuatan produk makanan lain	3,696	3,705	3,799	942	940	928	894	932	939	944
	10711 Pembuatan biskut dan cookies	298	302	320	73	75	77	77	76	75	81
	10712 Pembuatan roti, kek dan produk bakeri lain	989	1,001	933	259	258	248	236	228	233	235
	10713 Pembuatan produk snek	201	190	204	49	48	46	47	50	52	51
	10721 Pembuatan gula	118	84	76	26	21	18	18	19	18	19
	10731 Pembuatan produk koko	114	98	82	27	28	25	18	19	21	20
	10732 Pembuatan coklat dan produk coklat										
	10733 Pembuatan konfeksi gula	378	352	347	95	91	85	81	86	87	85
	10793 Pembuatan sos dan bahan perasa	358	347	363	89	87	88	82	87	85	91
	10799 Pembuatan produk makanan lain t.t.t.l.	310	324	381	78	80	84	81	92	95	93
	Industri lain	932	1,007	1,094	246	252	257	253	274	271	270
108/ 10800	Pembuatan makanan haiwan tersedia	932	1,011	1,045	263	244	244	260	257	256	260
110	Pembuatan minuman ringan	614	537	508	157	121	123	135	131	121	120
	11041 Pembuatan minuman ringan	393	354	342	100	80	82	92	86	81	81
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	151	128	128	38	29	30	31	33	32	30
	Industri lain	70	55	38	18	13	11	12	12	9	8
120/ 12000	Pembuatan produk tembakau	87	63	62	21	12	14	17	17	14	14
131	Pemintalan, penenunan dan penyiapan tekstil	357	335	328	90	79	83	84	82	81	79
	13110 Penyediaan dan pemintalan gentian tekstil										
	13120 Penenunan tekstil	231	222	222	58	51	57	57	56	55	53
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	115	105	98	29	27	24	25	24	23	24
	Industri lain	11	8	8	2	1	2	2	2	2	2
139	Pembuatan tekstil lain	323	326	329	82	78	83	82	81	81	82
	13910 Pembuatan fabrik dikait dan dikrusye	127	116	111	31	27	30	29	26	27	28
	Industri lain	196	210	218	51	51	54	54	55	54	54
141	Pembuatan pakaian, kecuali pakaian berbulu	1,197	993	838	296	242	228	227	217	200	198
	14102 Pembuatan pakaian	922	719	580	227	177	159	157	147	136	141
	Industri lain	275	274	258	70	65	69	71	70	64	57
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	35	30	25	9	7	7	7	7	6	6
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	161	121	121	34	26	29	32	31	30	29
152	Pembuatan kasut	194	191	186	56	43	44	47	48	45	43
	15201 Pembuatan kasut kulit										
	15203 Pembuatan kasut getah	132	136	133	40	30	31	34	34	32	31
	Industri lain	62	55	54	16	13	13	13	14	13	13
161/ 16100	Pengilangan dan pengetaman kayu	553	555	547	135	125	145	150	139	130	136

Q4	2020	2021	2020									Group Description/Period
	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	
92	343	355	31	31	31	28	27	27	27	27	28	Processing and preserving of meat
112	444	457	37	36	36	35	35	35	38	38	38	Processing and preserving of fish, crustaceans and molluscs
												Canning of fish, crustaceans and molluscs
90	361	369	29	29	29	28	29	29	31	31	31	Processing, curing and preserving of fish, crustacean and molluscs
22	84	87	7	7	7	6	6	6	7	8	7	Other industry
42	167	174	14	13	13	15	14	14	14	14	14	Processing and preserving of fruits and vegetable
												Pineapple canning
2	18	15	1	1	1	1	2	2	2	2	1	Manufacture of jams, marmalades and table jellies
40	149	160	13	12	12	14	13	12	12	12	12	Other industry
716	2,776	2,773	239	238	233	235	231	226	225	227	235	Manufacture of vegetable and animal oils and fats
												Manufacture of crude and refined vegetable oil
51	193	204	17	17	16	14	15	16	16	16	16	Manufacture of compound cooking fats
21	119	96	12	11	11	9	10	10	10	10	9	Manufacture of coconut oil
644	2,464	2,473	210	210	205	212	206	201	200	201	210	Other industry
202	732	804	65	65	62	61	60	56	56	56	56	Manufacture of dairy products
177	630	704	56	56	54	53	52	48	47	48	48	Manufacture of condensed, powdered and evaporated milk
24	101	99	9	8	8	9	9	9	8	8	8	Other industry
92	347	366	29	31	30	28	27	26	29	29	30	Manufacture of grain mill products, starches and starch products
45	173	176	15	15	15	15	14	14	14	14	15	Rice milling
41	151	165	12	13	13	11	11	10	13	13	14	Flour milling
6	23	25	2	2	2	2	2	2	2	2	2	Other industry
985	3,705	3,799	316	314	312	311	315	315	310	309	309	Manufacture of other food products
88	302	320	25	24	24	25	25	26	26	26	26	Manufacture of biscuits and cookies
238	1,001	933	87	87	86	89	86	84	82	82	84	Manufacture of bread, cakes and other bakery products
52	190	204	17	16	16	16	16	16	16	15	15	Manufacture of snack products
20	84	76	9	9	8	7	7	7	6	6	6	Manufacture of sugar
22	98	82	9	9	9	10	10	8	8	8	8	Manufacture of cocoa products
												Manufacture of chocolate and chocolate products
88	352	347	31	32	32	31	31	30	29	29	28	Manufacture of sugar confectionery
100	347	363	28	29	32	28	29	30	30	30	29	Manufacture of sauces and condiments
100	324	381	26	26	26	26	27	28	28	28	28	Manufacture of other food products n.e.c.
278	1,007	1,094	83	82	81	80	85	86	86	85	86	Other industry
272	1,011	1,045	94	88	81	82	82	80	81	82	81	Manufacture of prepared animal feeds
136	537	508	54	53	49	43	40	38	40	41	43	Manufacture of beverages
94	354	342	34	34	33	28	27	25	26	27	29	Manufacture of soft drinks
32	128	128	14	14	11	10	9	9	10	10	10	Production of natural mineral waters and other bottled waters
9	55	38	6	6	6	5	4	4	4	4	4	Other industry
17	63	62	7	7	7	4	4	4	4	4	5	Manufacture of tobacco products
87	335	328	31	30	29	26	26	27	28	28	28	Spinning, weaving and finishing of textiles
												Preparation and spinning of textile fibres
57	222	222	20	20	19	17	17	18	19	19	19	Weaving of textiles
												Dyeing, bleaching, printing and finishing of yarns and fabrics
27	105	98	10	10	10	9	9	9	8	8	8	Other industry
2	8	8	1	1	1	0	0	1	1	1	1	Other industry
84	326	329	28	27	27	23	26	28	28	28	28	Manufacture of other textiles
30	116	111	11	10	10	7	9	10	10	10	10	Manufacture of knitted and crocheted fabrics
55	210	218	17	17	17	16	17	18	18	18	18	Other industry
223	993	838	103	97	97	78	83	81	79	74	75	Manufacture of wearing apparel, except fur apparel
155	719	580	78	74	75	58	61	58	56	51	52	Manufacture of clothings
67	274	258	25	23	22	20	22	23	23	23	23	Other industry
6	30	25	3	3	3	2	2	2	2	2	2	Manufacture of articles of fur, knitted and crocheted apparel
												Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
32	121	121	14	10	10	9	8	9	10	10	10	Manufacture of footwear
												Manufacture of leather footwear
50	191	186	17	20	19	14	14	16	15	15	15	Manufacture of rubber footwear
36	136	133	11	15	14	10	9	11	11	10	11	Other industry
14	55	54	6	5	5	4	4	4	4	4	4	Other industry
143	555	547	45	46	45	37	42	47	47	47	50	Sawmilling and planning of wood

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh							
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
101	Pemprosesan dan pengawetan daging	27	30	30	30	29	29	30
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	39	39	38	40	38	39	38
	10201 Pengetinan ikan, krustasea dan moluska							
	&							
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	32	32	31	32	31	31	31
	Industri lain	7	7	7	8	7	7	7
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	14	14	14	15	15	15	15
	10303 Pengetinan nanas							
	&	1	1	2	2	2	1	1
	10304 Pembuatan jem, marmalad dan sajian jeli							
	Industri lain	12	12	13	13	13	13	14
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	226	221	239	226	226	230	233
	10404 Pembuatan minyak sayuran mentah dan bertapis							
	&	16	16	16	17	17	17	17
	10406 Pembuatan sebatian lemak masakan							
	10405 Pembuatan minyak kelapa	9	9	9	9	9	9	9
	Industri lain	201	196	213	200	199	203	206
105	Pembuatan produk tenusu	66	64	64	65	66	67	69
	10502 Pembuatan susu pekat, tepung dan sejat	58	56	56	57	58	58	60
	Industri lain	8	8	8	8	8	9	9
106	Pembuatan produk bijian, kanji dan produk berkanji	29	30	31	31	31	31	30
	10611 Pengilangan beras	14	14	14	15	15	15	14
	10613 Pengilangan tepung	14	14	14	14	14	14	14
	Industri lain	2	2	2	2	2	2	2
107	Pembuatan produk makanan lain	295	297	302	309	308	314	316
	10711 Pembuatan biskut dan cookies	26	26	26	26	25	26	25
	10712 Pembuatan roti, kek dan produk bakeri lain	80	79	77	74	76	77	77
	10713 Pembuatan produk snek	15	16	16	17	16	17	17
	10721 Pembuatan gula	6	6	6	7	6	6	6
	10731 Pembuatan produk koko	6	6	6	6	6	6	8
	10732 & Pembuatan coklat dan produk coklatPembuatan konfeksi gula	27	27	27	29	28	30	29
	10733							
	10793 Pembuatan sos dan bahan perasa	26	26	29	29	29	29	29
	10799 Pembuatan produk makanan lain t.t.t.l.	26	27	29	30	31	31	32
	Industri lain	84	84	85	92	90	92	91
108/ 10800	Pembuatan makanan haiwan teresedia	80	81	99	86	86	86	85
110	Pembuatan minuman ringan	42	45	48	44	44	42	43
	11041 Pembuatan minuman ringan	29	30	33	30	29	27	28
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	10	10	10	11	11	11	11
	Industri lain	4	4	5	4	4	4	4
120/ 12000	Pembuatan produk tembakau	5	5	7	5	6	6	5
131	Pemintalan, penenunan dan penyiapan tekstil	28	27	29	28	27	27	27
	13110							
	& Penyediaan dan pemintalan gentian tekstilPenenunan tekstil	19	19	19	19	19	18	18
	13120							
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	8	8	9	8	8	8	8
	Industri lain	1	1	1	1	1	1	1
139	Pembuatan tekstil lain	28	27	27	27	27	27	27
	13910 Pembuatan fabrik dikait dan dikrusye	10	9	10	9	9	9	9
	Industri lain	18	18	18	19	18	19	18
141	Pembuatan pakaian, kecuali pakaian berbulu	74	73	80	76	70	70	70
	14102 Pembuatan pakaian	51	50	56	52	47	47	47
	Industri lain	23	23	24	24	23	23	23
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	2	2	2	2	2	2	2
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	10	10	11	10	10	10	10
152	Pembuatan kasut	16	16	16	17	16	16	16
	15201 Pembuatan kasut kulit							
	&	11	11	11	12	11	11	11
	15203 Pembuatan kasut getah							
	Industri lain	4	5	5	5	5	5	5
161/ 16100	Pengilangan dan pengetaman kayu	50	49	51	46	47	45	45

2021								Group Description/Period
Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
30	29	29	29	29	29	31	32	Processing and preserving of meat
39	38	38	37	37	37	37	38	Processing and preserving of fish, crustaceans and molluscs
								Canning of fish, crustaceans and molluscs
32	31	31	29	30	30	30	30	Processing, curing and preserving of fish, crustacean and molluscs
7	7	8	8	7	7	7	7	Other industry
15	15	15	14	14	14	14	14	Processing and preserving of fruits and vegetable
								Pineapple canning
2	2	2	1	1	1	1	1	Manufacture of jams, marmalades and table jellies
13	13	13	13	13	13	13	13	Other industry
230	227	237	213	235	234	230	252	Manufacture of vegetable and animal oils and fats
								Manufacture of crude and refined vegetable oil
17	17	17	17	17	17	17	17	Manufacture of compound cooking fats
9	7	7	7	7	7	7	7	Manufacture of coconut oil
204	203	214	189	210	210	206	228	Other industry
69	67	66	67	66	66	65	71	Manufacture of dairy products
60	58	58	59	58	58	57	63	Manufacture of condensed, powdered and evaporated milk
9	8	8	8	8	8	8	8	Other industry
30	30	31	30	31	31	30	31	Manufacture of grain mill products, starches and starch products
14	14	14	15	15	15	15	15	Rice milling
14	14	14	13	13	13	13	14	Flour milling
2	2	2	2	2	2	2	2	Other industry
315	309	308	310	326	326	330	330	Manufacture of other food products
25	25	26	27	28	29	30	29	Manufacture of biscuits and cookies
79	77	77	78	80	81	82	76	Manufacture of bread, cakes and other bakery products
17	17	17	17	17	17	17	18	Manufacture of snack products
6	6	6	6	6	6	7	7	Manufacture of sugar
6	7	6	7	7	7	7	7	Manufacture of cocoa products
								Manufacture of chocolate and chocolate products
29	29	28	28	29	29	30	29	Manufacture of sugar confectionery
29	27	27	29	35	33	34	33	Manufacture of sauces and condiments
32	31	32	30	31	32	33	35	Manufacture of other food products n.e.c.
90	90	90	89	92	92	92	94	Other industry
86	85	90	85	85	85	85	101	Manufacture of prepared animal feeds
40	38	38	39	43	43	45	48	Manufacture of beverages
27	26	26	26	29	29	31	34	Manufacture of soft drinks
10	10	10	10	11	10	11	11	Production of natural mineral waters and other bottled waters
3	2	2	3	3	3	3	3	Other industry
5	5	5	4	5	5	5	7	Manufacture of tobacco products
28	26	26	26	26	27	29	30	Spinning, weaving and finishing of textiles
								Preparation and spinning of textile fibres
19	18	18	17	18	18	19	20	Weaving of textiles
8	8	8	8	8	8	9	10	Dyeing, bleaching, printing and finishing of yarns and fabrics
1	1	1	1	1	1	1	1	Other industry
28	26	27	28	28	28	28	28	Manufacture of other textiles
9	9	9	10	9	10	10	10	Manufacture of knitted and crocheted fabrics
18	17	18	18	18	18	18	18	Other industry
71	59	66	66	66	66	74	82	Manufacture of wearing apparel, except fur apparel
49	40	47	47	47	47	51	58	Manufacture of clothings
22	19	19	19	19	19	23	25	Other industry
2	2	2	2	2	2	2	2	Manufacture of articles of fur, knitted and crocheted apparel
								Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
10	9	9	10	10	11	11	11	Manufacture of footwear
								Manufacture of leather footwear
11	10	9	10	11	12	12	12	Manufacture of rubber footwear
5	4	4	4	4	4	5	5	Other industry
43	42	44	44	47	47	47	48	Sawmilling and planning of wood

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2021	2020				2021		
					Q1	Q2	Q3	Q4	Q1	Q2	Q3
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	1,963	1,869	1,913	508	446	464	451	466	456	480
16211	Pembuatan kepingan venier dan papan lapis	1,057	964	934	270	233	237	224	221	214	238
16212	Pembuatan papan partikel dan papan gentian	272	238	251	67	57	57	57	59	61	62
16221	Perfukangan kayu untuk jurubina	314	351	407	83	82	94	92	103	102	101
	Industri lain	320	316	321	88	73	76	78	83	79	79
170	Pembuatan kertas dan produk kertas	2,128	2,003	2,018	530	487	491	496	505	502	495
17010	Pembuatan pulpa, kertas dan kertas tebal	283	276	271	75	68	68	65	64	65	67
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	891	798	805	211	192	197	198	200	205	196
17091	Pembuatan sampul surat dan kad surat	62	58	59	16	15	14	14	14	15	15
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	341	338	345	86	82	84	85	86	88	85
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	382	353	308	94	88	85	86	83	72	75
	Industri lain	169	180	230	47	42	44	48	57	58	56
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	2,232	2,170	2,153	583	537	521	529	559	549	507
18110	Percetakan	1,849	1,816	1,807	486	450	436	443	466	463	426
18120	Aktiviti perkhidmatan berkaitan percetakan										
&		383	354	346	97	86	85	86	94	86	81
18200	Penerbitan semula media rakaman										
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	2,387	2,282	2,326	637	491	537	617	617	522	565
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	3,767	3,131	3,062	971	712	722	725	763	746	787
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	422	248	226	105	47	49	48	55	55	57
20112	Pembuatan kimia organik asas										
&		1,566	1,514	1,560	413	380	359	363	383	374	410
20113	Pembuatan sebatian bukan organik										
20121	Pembuatan baja	678	414	343	166	76	89	83	91	86	87
&											
20129	Pembuatan produk campuran nitrogen										
20131	Pembuatan plastik dalam bentuk primer	996	860	831	263	187	203	207	208	204	208
	Industri lain	104	95	102	25	23	22	25	26	26	25
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	2,419	2,538	2,616	627	602	639	669	699	642	611
20210	Pembuatan racun perosak dan produk agrokimia lain	178	182	240	42	45	48	47	63	61	59
20221	Pembuatan cat, varnis dan penyadur dan mastik	338	330	340	85	80	82	84	91	81	82
20222	Pembuatan dakwat cetak	248	298	279	65	78	76	79	79	69	64
20231	Pembuatan sabun dan bahan pencuci, penyediaan										
&	membersih dan mengilat	915	932	902	251	201	231	249	255	221	208
20232	Pembuatan pewangi dan penyediaan dandanan diri										
20291	Pembuatan plat fotografi, filem, sensitized paper dan other										
&	sensitized unexposed materials										
20292	Pembuatan dakwat menulis dan melukis	705	760	821	175	189	194	201	203	201	189
&											
20299	Pembuatan produk kimia lain t.t.t.l.										
	Industri lain	35	35	34	9	9	8	8	9	9	8
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	576	631	717	144	157	161	169	165	180	183
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	467	512	574	118	128	130	137	133	145	144
	Industri lain	109	118	143	27	29	31	32	32	35	39
221	Pembuatan produk getah	3,492	3,761	4,095	857	951	973	980	919	1,060	1,112
22111	Pembuatan tayar getah untuk kenderaan	390	361	353	93	89	92	87	80	94	93
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	72	77	88	18	19	20	20	21	23	22
22191	Pembuatan produk lain daripada getah asli atau sintetik,										
&	tidak divulgan, divulkan atau dikeraskan	580	592	682	132	143	158	159	166	174	177
22193	Pengilangan semula getah dan prosesan susu getah										
22192	Pembuatan sarung tangan getah	1,671	1,936	2,238	415	508	502	511	444	588	654
22199	Pembuatan produk getah lain yang t.t.t.l.	779	794	732	199	191	200	204	208	181	167
222	Pembuatan produk plastik	6,513	7,067	7,528	1,599	1,767	1,855	1,847	1,853	1,970	1,846
22201	Pembuatan produk plastik separa siap										
&		2,343	2,603	2,636	593	661	672	676	644	693	646
22202	Pembuatan produk plastik siap										
22203	Pembuatan artikel plastik untuk pembungkusan barangan	1,277	1,409	1,591	315	356	375	363	373	425	395
22204	Pembuatan barangan plastik jurubina	90	94	96	23	23	24	24	25	26	22
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	405	504	570	105	125	139	134	141	143	141
22209	Pembuatan pelbagai produk plastik t.t.t.l.	2,399	2,458	2,635	562	602	645	649	669	683	641
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	701	665	747	179	167	159	160	174	185	182

Q4	2020	2021	2020									Group Description/Period
	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	
511	1,869	1,913	172	171	164	145	149	152	157	153	155	Manufacture of products of wood, cork, straw and plaiting materials
260	964	934	91	92	87	77	77	80	81	78	78	Manufacture of veneer sheets and plywood
70	238	251	22	22	22	19	20	18	19	19	20	Manufacture of particle board and fibreboard
100	351	407	28	28	28	26	28	28	31	31	31	Manufacture of builders' carpentry
81	316	321	30	30	28	23	25	25	25	25	26	Other industry
517	2,003	2,018	175	175	179	161	161	165	163	163	166	Manufacture of paper and paper products
75	276	271	26	25	24	22	23	23	23	22	22	Manufacture of pulp, paper and paperboard
203	798	805	70	70	71	63	64	65	66	65	67	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
15	58	59	5	5	5	5	5	5	5	5	5	Manufacture of envelopes and letter-card
87	338	345	29	29	29	26	27	29	28	28	29	Manufacture of household and personal hygiene paper
78	353	308	30	30	34	31	28	29	28	28	29	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
59	180	230	15	16	15	14	14	14	14	14	15	Other industry
538	2,170	2,153	202	189	193	176	181	179	177	177	167	Printing, service activities related to printing and reproduction of recorded media
452	1,816	1,807	167	158	162	148	151	151	149	148	139	Printing
86	354	346	35	32	31	29	30	28	28	29	28	Service activities related to printing
												Reproduction of recorded media
621	2,282	2,326	209	198	230	163	159	169	171	170	196	Manufacture of refined petroleum products
765	3,131	3,062	321	323	327	232	234	246	240	237	244	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
59	248	226	35	35	35	15	15	16	16	16	16	Manufacture of liquefied or compressed inorganic industrial or medical gases
392	1,514	1,560	138	138	136	123	124	132	118	116	125	Manufacture of basic organic chemicals
78	414	343	53	55	58	23	24	29	30	31	28	Manufacture of inorganic compounds
211	860	831	87	88	89	62	63	62	68	67	67	Manufacture of fertilizers
25	95	102	9	8	8	8	8	7	7	8	8	Manufacture of associated nitrogen products
												Manufacture of plastics in primary forms
												Other industry
663	2,538	2,616	210	205	212	200	194	208	211	212	217	Manufacture of other chemical products and man-made fibres
57	182	240	14	13	15	16	14	15	16	16	16	Manufacture of pesticides and other agrochemical products
86	330	340	28	28	28	27	26	26	27	27	28	Manufacture of paints, varnishes and similar coatings ink and mastics
66	298	279	20	21	24	29	24	25	25	25	26	Manufacture of printing ink
218	932	902	87	84	79	64	64	73	75	76	80	Manufacture of soap and detergents, cleaning and polishing preparations
												Manufacture of perfumes and toilet preparations
												Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
228	760	821	57	56	62	61	62	66	65	65	65	Manufacture of writing and drawing ink
8	35	34	3	3	3	3	3	3	3	3	3	Manufacture of other chemical products n.e.c.
												Other industry
189	631	717	48	48	48	54	51	52	53	54	54	Manufacture of pharmaceuticals, medicinal chemical and botanical products
152	512	574	39	39	39	44	42	42	43	44	44	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
36	118	143	9	9	9	10	9	10	10	10	10	Other industry
1,003	3,761	4,095	291	278	287	298	321	332	322	325	326	Manufacture of rubber products
87	361	353	32	31	30	30	29	30	31	31	30	Manufacture of rubber tyres for vehicles
23	77	88	6	6	6	6	6	6	7	7	7	Manufacture of interchangeable tyre treads and retreading rubber tyres
165	592	682	48	43	42	48	45	50	50	52	56	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
551	1,936	2,238	137	135	143	153	175	180	167	169	166	Rubber remilling and latex processing
177	794	732	69	64	66	60	65	66	66	67	67	Manufacture of rubber gloves
												Manufacture of other rubber products n.e.c.
1,860	7,067	7,528	528	530	540	554	598	615	603	626	626	Manufacture of plastics products
652	2,603	2,636	183	202	209	215	222	225	213	229	230	Manufacture of semi-manufactures of plastic products
398	1,409	1,591	111	103	100	104	126	126	124	125	126	Manufacture of finished plastic products
23	94	96	8	8	7	7	8	8	8	8	8	Manufacture of plastic articles for the packing of goods
144	504	570	34	34	37	38	41	45	46	46	47	Manufacture of builders' plastics ware
642	2,458	2,635	192	184	187	189	202	211	212	217	216	Manufacture of plastic tableware, kitchenware and toilet articles
												Manufacture of diverse plastic products n.e.c.
206	665	747	63	61	55	53	58	56	55	52	51	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh							
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	151	148	152	158	153	155	153
16211	Pembuatan kepingan venier dan papan lapis	75	74	75	74	73	74	71
16212	Pembuatan papan partikel dan papan gentian	19	19	19	20	19	20	19
16221	Pertukangan kayu untuk jurubina	32	29	31	34	34	34	36
	Industri lain	25	26	27	29	26	27	27
170	Pembuatan kertas dan produk kertas	166	164	166	167	167	171	170
17010	Pembuatan pulpa, kertas dan kertas tebal	22	22	21	21	21	22	21
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	66	65	66	66	65	69	68
17091	Pembuatan sampul surat dan kad surat	5	5	5	5	5	5	5
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	29	28	28	29	29	29	32
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	29	28	29	28	27	28	25
	Industri lain	15	15	18	18	19	19	19
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	167	171	191	191	182	186	183
18110	Percetakan	139	143	160	159	151	155	154
18120	Aktiviti perkhidmatan berkaitan percetakan							
&		27	28	31	31	31	31	30
18200	Penerbitan semula media rakaman							
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	202	193	222	199	193	225	169
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	234	237	254	249	252	262	247
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	17	16	16	18	18	18	18
20112	Pembuatan kimia organik asas							
&		116	118	129	126	128	129	124
20113	Pembuatan sebatian bukan organik							
20121	Pembuatan baja	27	27	29	29	30	33	28
&	Pembuatan produk campuran nitrogen							
20129								
20131	Pembuatan plastik dalam bentuk primer	67	68	72	67	68	73	68
	Industri lain	8	8	9	8	9	9	9
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	212	216	242	231	231	238	218
20210	Pembuatan racun perosak dan produk agrokimia lain	14	16	16	22	20	22	20
20221	Pembuatan cat, varnis dan penyadur dan mastik	28	26	30	34	28	29	28
20222	Pembuatan dakwat cetak	26	26	28	26	25	28	25
20231	Pembuatan sabun dan bahan pencuci, penyediaan							
&	membersih dan mengilat	77	80	92	81	87	88	74
20232	Pembuatan pewangi dan penyediaan dandanan diri							
20291	Pembuatan plat fotografi, filem, sensitized paper dan other							
&	sensitized unexposed materials							
20292	Pembuatan dakwat menulis dan melukis	65	64	73	65	69	69	68
&								
20299	Pembuatan produk kimia lain t.t.t.l.							
	Industri lain	3	3	3	3	3	3	3
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	54	53	61	55	55	55	62
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	44	43	50	44	44	44	50
	Industri lain	10	10	12	11	11	11	12
221	Pembuatan produk getah	322	319	339	318	297	303	312
22111	Pembuatan tayar getah untuk kenderaan	30	29	28	27	24	29	29
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	7	7	7	7	6	8	8
22191	Pembuatan produk lain daripada getah asli atau sintetik,							
&	tidak divulgan, divulgan atau dikeraskan	52	52	54	54	55	57	58
22193	Pengilangan semula getah dan prosesan susu getah							
22192	Pembuatan sarung tangan getah	169	165	177	158	144	142	149
22199	Pembuatan produk getah lain yang t.t.t.l.	65	66	73	72	68	68	68
222	Pembuatan produk plastik	621	611	614	605	607	641	662
22201	Pembuatan produk plastik separa siap							
&		232	226	219	207	217	221	232
22202	Pembuatan produk plastik siap							
22203	Pembuatan artikel plastik untuk pembungkusan barangan	121	121	122	122	114	138	143
22204	Pembuatan barangan plastik jurubina	8	8	8	8	8	9	9
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	44	44	46	46	46	49	48
22209	Pembuatan pelbagai produk plastik t.t.t.l.	217	212	220	222	223	224	230
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	51	52	56	58	58	59	60

2021								Group Description/Period
Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
154	149	155	158	168	169	170	173	Manufacture of products of wood, cork, straw and plaiting materials
72	71	75	77	86	86	86	89	Manufacture of veneer sheets and plywood
21	20	20	20	22	22	24	24	Manufacture of particle board and fibreboard
34	32	34	34	34	34	33	34	Manufacture of builders' carpentry
26	25	26	27	26	27	28	27	Other industry
166	166	162	163	170	171	173	173	Manufacture of paper and paper products
22	22	22	22	23	25	26	25	Manufacture of pulp, paper and paperboard
68	69	63	66	68	68	68	68	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
5	5	5	5	5	5	5	5	Manufacture of envelopes and letter-card
27	29	28	28	29	29	29	29	Manufacture of household and personal hygiene paper
24	23	25	24	26	26	26	26	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
20	19	18	19	19	19	19	21	Other industry
187	179	172	172	162	167	175	196	Printing, service activities related to printing and reproduction of recorded media
158	151	145	145	136	140	147	165	Printing
29	27	27	27	27	27	28	31	Service activities related to printing
								Reproduction of recorded media
168	185	181	180	205	204	194	223	Manufacture of refined petroleum products
236	264	263	262	262	253	247	265	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
18	19	19	19	19	19	20	20	Manufacture of liquefied or compressed inorganic industrial or medical gases
114	137	137	134	139	131	126	136	Manufacture of basic organic chemicals
28	30	30	30	27	26	25	27	Manufacture of inorganic compounds
67	69	70	70	69	69	69	73	Manufacture of fertilizers
9	9	8	8	9	8	8	9	Manufacture of associated nitrogen products
214	210	204	200	207	210	214	240	Manufacture of other chemical products and man-made fibres
20	20	20	19	20	19	20	18	Manufacture of pesticides and other agrochemical products
27	26	28	26	28	28	28	31	Manufacture of paints, varnishes and similar coatings ink and mastics
22	22	22	21	21	21	22	23	Manufacture of printing ink
75	73	69	67	72	68	68	81	Manufacture of soap and detergents, cleaning and polishing preparations
66	66	63	63	64	71	73	84	Manufacture of perfumes and toilet preparations
3	3	3	3	3	3	3	3	Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
59	59	60	62	61	62	59	68	Manufacture of pharmaceuticals, medicinal chemical and botanical products
47	48	47	49	48	50	47	56	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
12	11	13	13	13	12	12	12	Other industry
345	403	380	377	356	343	323	337	Manufacture of rubber products
33	32	32	31	30	29	28	29	Manufacture of rubber tyres for vehicles
8	7	7	7	8	8	8	7	Manufacture of interchangeable tyre treads and retreading rubber tyres
59	58	59	59	60	55	53	58	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
189	250	227	225	203	195	177	180	Rubber remilling and latex processing
56	56	56	55	56	57	57	63	Manufacture of rubber gloves
677	632	605	620	620	622	617	622	Manufacture of plastics products
243	218	207	221	218	219	220	213	Manufacture of semi-manufactures of plastic products
145	138	131	133	131	132	131	135	Manufacture of finished plastic products
9	8	7	7	7	7	8	8	Manufacture of plastic articles for the packing of goods
49	46	45	48	49	49	46	49	Manufacture of builders' plastics ware
231	222	215	211	215	214	211	216	Manufacture of plastic tableware, kitchenware and toilet articles
63	62	60	56	65	67	66	73	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2021	2020				2021		
					Q1	Q2	Q3	Q4	Q1	Q2	Q3
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	3,639	3,604	3,592	938	868	885	913	904	903	873
23911	Pembuatan mortar refraktori dan konkrit										
&		433	411	365	113	98	100	100	94	93	92
23921	Pembuatan seramik bukan refraktori										
23930	Pembuatan produk porselin dan seramik lain	163	160	159	39	37	41	43	42	39	38
23941	Pembuatan simen hidrolik	298	303	287	81	80	69	72	72	76	68
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	693	665	686	176	158	166	165	170	171	168
23952	Pembuatan konkrit pratuangan, simen atau artikel batu										
&	buatan yang digunakan dalam pembinaan;										
23953	Pembuatan komponen struktur pasang siap untuk	1,190	1,226	1,253	302	295	306	323	318	313	306
&	bangunan atau kejuruteraan awam dari simen, batu atau										
	konkrit buatan										
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.										
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	538	508	484	142	126	117	123	121	115	115
	Industri lain	323	332	359	85	75	86	87	87	95	86
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	2,402	2,221	2,210	600	534	535	553	581	531	516
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	1,459	1,362	1,423	377	322	322	341	356	354	343
243	Pengacuan logam	453	406	415	108	91	103	104	107	101	100
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	1,678	1,659	1,632	419	390	423	427	426	396	395
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap										
&	dan pintu pagar daripada logam	999	984	880	249	225	255	255	240	216	207
25119	Pembuatan produk struktur logam lain										
25120	Pembuatan tangki, takungan dan kontena daripada	461	474	557	114	114	121	126	132	130	143
	logam										
	Industri lain	219	201	195	56	52	48	46	54	50	45
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	3,500	3,661	3,841	915	874	916	957	977	923	925
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam;	661	715	768	170	173	184	188	194	189	187
	serbuk metalurgi										
25920	Rawatan dan penyalutan logam; menggunakan mesin	370	444	502	104	102	114	125	131	127	116
25991	Pembuatan tin untuk produk makanan dan minuman, tiub	375	409	419	100	99	100	110	106	95	100
	dan kotak boleh dilipat										
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan										
&	artikel seumpamanya daripada logam	876	811	893	214	191	199	206	217	198	218
25993	Pembuatan bolt, skru, nat dan produk uliran										
	seumpamanya										
25994	Pembuatan barangan rumah daripada logam	86	76	70	21	18	18	18	19	19	16
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	841	904	927	232	218	224	230	240	231	224
	Industri lain	291	301	261	73	72	77	80	70	64	63
261	Pembuatan komponen dan papan elektronik	11,312	11,194	11,848	3,050	2,636	2,670	2,839	3,043	2,944	2,803
26101	Pembuatan diod, transistor dan alatan semikonduktor										
&	yang seumpamanya	7,594	7,272	7,743	2,113	1,696	1,662	1,800	1,939	1,944	1,866
26102	Pembuatan litar elektronik bersepadu dengan										
	pasangan mikro										
26103	Pembuatan kapasitor dan perintang elektrik										
&											
26104	Pembuatan papan litar bercetak	3,236	3,400	3,638	816	809	873	902	976	883	829
&											
26105	Pembuatan komponen paparan										
26109	Pembuatan komponen lain untuk aplikasi elektronik	481	522	466	121	131	135	136	128	117	108
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	2,442	2,586	2,839	685	619	610	672	720	671	695
263/ 26300	Pembuatan peralatan komunikasi	819	706	665	216	174	161	155	152	171	159
264/ 26400	Pembuatan peralatan elektronik pengguna	1,153	1,191	1,140	295	288	299	309	281	272	275
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	1,621	1,602	1,693	424	391	377	410	409	401	413
26511	Pembuatan kelengkapan mengukur, menguji, memandu										
&	arah dan kawalan	1,437	1,437	1,535	380	350	336	370	371	362	375
26512	Pembuatan kelengkapan kawalan proses perindustrian										
26520	Pembuatan jam tangan dan jam dan bahagiannya	184	165	157	43	41	40	41	38	39	38
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	640	611	705	162	157	157	135	162	187	185

2020		2021	2020									Group Description/Period
Q4	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	
911	3,604	3,592	312	312	314	279	291	298	295	294	296	Manufacture of non-metallic mineral products n.e.c.
												Manufacture of refractory mortars and concretes
85	411	365	39	38	36	32	33	33	33	33	34	Manufacture of non-refractory ceramic
40	160	159	12	13	13	12	12	13	13	13	14	Manufacture of other porcelain and ceramic products
71	303	287	27	26	29	24	28	28	24	24	22	Manufacture of hydraulic cement
176	665	686	58	58	61	49	55	54	55	55	56	Manufacture of ready-mix and dry-mix concrete and mortars
												Manufacture of precast concrete, cement or artificial stone articles for use in construction
316	1,226	1,253	100	104	98	97	98	99	102	101	102	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
												Manufacture of other articles of concrete, cement and plaster n.e.c.
132	508	484	49	46	46	42	39	45	40	38	40	Manufacture of other non-metallic mineral products n.e.c.
91	332	359	28	27	30	24	25	26	29	29	28	Other industry
582	2,221	2,210	208	204	187	170	183	182	177	179	179	Manufacture of basic iron and steel
371	1,362	1,423	122	122	133	107	106	109	107	107	108	Manufacture of basic precious and other non-ferrous metals
106	406	415	38	36	33	30	31	30	34	34	35	Casting of metals
415	1,659	1,632	140	142	136	123	132	135	141	141	141	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
217	984	880	84	85	80	68	76	80	85	85	84	Manufacture of metal doors, windows and their frames, shutters and gates
												Manufacture of other structural metal products
152	474	557	37	39	38	37	38	39	40	40	41	Manufacture of tanks, reservoirs and containers of metal
47	201	195	19	19	18	17	18	16	16	16	16	Other industry
1,016	3,661	3,841	308	309	298	283	294	297	305	305	306	Manufacture of other fabricated metal products; metal working service activities
197	715	768	56	58	56	54	59	60	61	61	62	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
128	444	502	35	35	34	31	35	36	38	38	38	Treatment and coating of metals; machining
119	409	419	33	34	34	32	34	33	33	33	34	Manufacture of tins and cans for food products, collapsible tubes and boxes
												Manufacture of metal cable, plaited bands and similar articles
260	811	893	73	72	70	62	65	65	67	66	66	Manufacture of bolts, screws, nuts and similar threaded products
16	76	70	7	7	7	6	6	6	6	6	6	Manufacture of metal household articles
232	904	927	79	79	75	69	74	75	75	74	75	Manufacture of any other fabricated metal products n.e.c.
65	301	261	25	25	23	29	21	21	26	26	26	Other industry
3,058	11,194	11,848	1,034	1,043	974	871	878	887	872	877	920	Manufacture of electronic components and boards
												Manufacture of diodes, transistors and similar semiconductor devices
1,994	7,272	7,743	714	722	677	585	554	558	538	545	580	Manufacture of electronic integrated circuits micro assemblies
												Manufacture of electrical capacitors and resistors
951	3,400	3,638	280	279	257	246	279	284	289	288	295	Manufacture of printed circuit boards
												Manufacture of display components
113	522	466	40	41	40	40	45	46	45	44	46	Manufacture of other components for electronic applications
753	2,586	2,839	229	221	234	213	206	199	208	209	194	Manufacture of computers and peripheral equipment
182	706	665	71	73	73	70	51	53	54	53	54	Manufacture of communication equipment
312	1,191	1,140	100	97	98	94	95	99	98	99	102	Manufacture of consumer electronics
470	1,602	1,693	149	143	132	130	132	129	126	126	125	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
												Manufacture of measuring, testing, navigating and control equipment
427	1,437	1,535	134	129	118	117	118	115	112	112	112	Manufacture of industrial process control equipment
43	165	157	15	15	14	12	14	14	13	13	13	Manufacture of watches and clocks and parts
170	611	705	54	54	53	52	51	54	52	52	52	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh							
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
239	Pembuatan pengeluaran galian bukan logam f.t.t.l.	296	309	309	303	295	306	305
23911	Pembuatan mortar refraktori dan konkrit							
&		33	34	34	33	30	32	32
23921	Pembuatan seramik bukan refraktori							
23930	Pembuatan produk porselin dan seramik lain	14	15	14	15	13	14	12
23941	Pembuatan simen hidrolik	22	23	27	24	23	25	26
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	54	55	56	57	54	59	56
23952	Pembuatan konkrit pratuangan, simen atau artikel batu							
&	buatan yang digunakan dalam pembinaan;							
23953	Pembuatan komponen struktur pasang siap untuk							
&	bangunan atau kejuruteraan awam dari simen, batu atau	104	114	104	104	107	107	106
	konkrit buatan							
23959	Pembuatan artikel konkrit, simen dan plaster lain f.t.t.l.							
23990	Pembuatan produk mineral bukan logam lain f.t.t.l.	40	40	43	41	40	40	37
	Industri lain	28	29	30	29	28	30	36
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	178	178	197	196	190	194	183
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	109	108	124	118	116	121	116
243	Pengacuan logam	34	34	36	35	35	37	34
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	139	144	144	143	141	142	136
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap							
&	dan pintu pagar daripada logam	84	86	86	83	78	78	76
25119	Pembuatan produk struktur logam lain							
25120	Pembuatan tangki, takungan dan kontena daripada	40	43	43	42	45	45	43
	logam							
	Industri lain	15	15	16	18	18	18	17
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	309	312	336	334	326	316	308
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam;	60	60	68	68	64	63	63
	serbuk metalurgi							
25920	Rawatan dan penyalutan logam; menggunakan mesin	38	41	46	44	44	43	41
25991	Pembuatan tin untuk produk makanan dan minuman, tiub							
	dan kotak boleh dilipat	33	38	38	37	37	32	32
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan							
&	artikel seumpamanya daripada logam							
25993	Pembuatan bolt, skru, nat dan produk uliran	69	66	71	72	73	72	65
	seumpamanya							
25994	Pembuatan barangan rumah daripada logam	6	6	6	6	6	6	6
25999	Pembuatan produk lain yang direka daripada logam f.t.t.l.	75	75	80	81	81	78	78
	Industri lain	26	26	28	26	22	22	22
261	Pembuatan komponen dan papan elektronik	917	903	1,019	997	1,065	981	976
26101	Pembuatan diod, transistor dan alatan semikonduktor							
&	yang seumpamanya	581	575	644	631	669	639	633
26102	Pembuatan litar elektronik bersepadu dengan							
	pasangan mikro							
26103	Pembuatan kapasitor dan perintang elektrik							
&								
26104	Pembuatan papan litar bercetak	290	283	329	323	353	300	303
&								
26105	Pembuatan komponen paparan							
26109	Pembuatan komponen lain untuk aplikasi elektronik	45	45	46	44	43	41	40
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	212	208	252	245	237	238	224
263/ 26300	Pembuatan peralatan komunikasi	54	54	47	52	47	52	63
264/ 26400	Pembuatan peralatan elektronik pengguna	103	99	108	106	85	90	91
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	131	130	149	140	132	136	136
26511	Pembuatan kelengkapan mengukur, menguji, memandu							
&	arah dan kawalan	118	117	134	128	120	124	123
26512	Pembuatan kelengkapan kawalan proses perindustrian							
26520	Pembuatan jam tangan dan jam dan bahagiannya	13	13	15	12	13	13	13
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	47	47	42	49	52	61	60

2021								Group Description/Period
Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
308	290	289	290	295	296	303	312	Manufacture of non-metallic mineral products n.e.c.
32	30	30	31	31	31	26	28	Manufacture of refractory mortars and concretes
13	13	12	13	13	13	13	14	Manufacture of other porcelain and ceramic products
26	24	23	22	23	23	23	24	Manufacture of hydraulic cement
58	57	57	56	56	56	58	62	Manufacture of ready-mix and dry-mix concrete and mortars
								Manufacture of precast concrete, cement or artificial stone articles for use in construction
109	98	102	101	102	102	112	102	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
								Manufacture of other articles of concrete, cement and plaster n.e.c.
40	39	37	38	40	41	42	50	Manufacture of other non-metallic mineral products n.e.c.
31	29	28	29	29	30	30	32	Other industry
176	172	165	168	184	183	187	212	Manufacture of basic iron and steel
121	117	113	112	118	121	119	131	Manufacture of basic precious and other non-ferrous metals
34	33	32	33	35	35	35	36	Casting of metals
136	124	132	128	136	137	138	140	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
75	65	69	68	71	71	72	74	Manufacture of metal doors, windows and their frames, shutters and gates
								Manufacture of other structural metal products
44	44	48	46	49	51	51	51	Manufacture of tanks, reservoirs and containers of metal
17	16	15	14	15	16	15	16	Other industry
311	304	298	301	327	329	332	355	Manufacture of other fabricated metal products; metal working service activities
64	63	62	62	63	63	63	71	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
43	42	39	38	39	40	41	47	Treatment and coating of metals; machining
31	32	31	32	36	37	40	41	Manufacture of tins and cans for food products, collapsible tubes and boxes
								Manufacture of metal cable, plaited bands and similar articles
67	66	66	66	87	86	86	88	Manufacture of bolts, screws, nuts and similar threaded products
6	6	6	5	5	5	5	5	Manufacture of metal household articles
78	75	73	75	76	76	75	81	Manufacture of any other fabricated metal products n.e.c.
21	21	22	21	21	21	21	22	Other industry
976	992	930	931	943	961	974	1,124	Manufacture of electronic components and boards
								Manufacture of diodes, transistors and similar semiconductor devices
634	678	613	628	625	626	637	731	Manufacture of electronic integrated circuits micro assemblies
								Manufacture of electrical capacitors and resistors
302	278	281	267	281	297	300	354	Manufacture of printed circuit boards
								Manufacture of display components
40	36	36	35	37	37	37	38	Manufacture of other components for electronic applications
223	224	215	224	255	256	228	270	Manufacture of computers and peripheral equipment
53	56	51	54	55	55	65	63	Manufacture of communication equipment
92	89	84	92	99	104	102	106	Manufacture of consumer electronics
136	129	132	139	142	142	152	175	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
								Manufacture of measuring, testing, navigating and control equipment
123	116	119	127	129	130	138	159	Manufacture of industrial process control equipment
13	13	13	13	13	13	14	16	Manufacture of watches and clocks and parts
61	66	63	62	60	60	60	50	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2021	2020				2021		
					Q1	Q2	Q3	Q4	Q1	Q2	Q3
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	408	393	395	101	97	96	99	104	96	93
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	1,309	1,314	1,298	339	310	324	340	338	294	321
	27101 Pembuatan motor elektrik, penjana dan transformer	464	437	450	120	102	108	107	100	109	120
	27102 Pembuatan perkakasan pengagihan dan pengawalan	844	877	847	219	208	216	233	238	185	201
272/ 27200	Pembuatan bateri dan akumulator	404	423	438	101	104	109	109	97	105	120
273	Pembuatan pendawaian dan peranti pendawaian	884	883	1,003	227	199	220	236	244	239	249
	27310 Pembuatan kabel gentian optikal	70	68	67	17	17	17	17	12	13	17
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	776	780	898	201	174	194	211	223	216	222
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	37	35	38	9	8	9	9	9	9	10
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	145	153	221	38	39	38	38	46	52	61
275/ 27500	Pembuatan perkakasan domestik	624	694	574	170	162	180	182	181	149	128
279/ 27900	Pembuatan kelengkapan elektrik lain	278	283	299	69	69	71	74	70	72	73
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	4,219	4,167	4,292	1,063	982	1,029	1,092	1,110	1,039	1,032
	28120 & Pembuatan alat-alat kuasa bendalir										
	28130 Pembuatan pam, pemampat, kepala paip dan injap lain	384	341	340	81	81	82	97	87	81	81
	28180 & Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	756	796	918	186	176	209	225	235	214	220
	28220 Pembuatan jentera pembentukan logam dan alatan mesin										
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	637	703	689	172	178	177	175	174	167	175
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	683 1,758	548 1,779	554 1,790	166 458	117 430	128 434	138 458	145 468	137 440	129 427
291 (29101 & 29102)	Pembuatan kenderaan bermotor	1,174	1,031	1,057	289	235	254	253	257	261	252
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	303	260	283	73	62	61	63	66	71	71
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	2,279	2,127	2,071	576	500	500	551	542	526	481
301 (30110 & 30120)	Pembinaan kapal dan bot	324	299	285	80	71	75	74	80	72	66
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	937	802	810	237	185	186	193	208	205	194
	30910 Pembuatan motosikal	504	436	482	125	102	102	106	120	122	116
	30920 Pembuatan basikal dan invalid carriages	138	138	132	35	31	35	37	37	34	31
	Industri lain	296	228	195	77	51	49	51	51	49	46
310	Pembuatan perabot	2,339	2,368	2,425	597	553	607	612	617	578	586
	31001 Pembuatan perabot kayu dan rotan	1,717	1,784	1,852	440	418	458	468	466	436	450
	Industri lain	622	584	573	157	135	149	144	151	142	136
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	233	242	250	61	56	61	65	66	60	57
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	642	668	721	166	163	165	174	183	177	177
	32901 Pembuatan alat tulis	170	151	151	42	38	35	36	38	37	37
	Industri lain	473	517	570	124	125	130	138	146	140	140
323/ 32300	Pembuatan barangan sukan	65	66	71	17	15	17	17	18	17	17
324/ 32400	Pembuatan permainan dan mainan	177	184	184	47	46	47	44	34	36	52
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	1,336	1,240	1,260	335	296	293	316	322	309	298
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	306	285	268	77	73	66	69	71	65	64
	Industri lain	1,030	954	992	258	223	227	246	251	244	234
Jumlah Pembuatan		88,206	87,194	89,830	22,728	20,906	21,420	22,139	22,584	22,162	21,904

2020		2021	2020									Group Description/Period
Q4	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	
102	393	395	33	34	34	29	34	34	31	31	33	Manufacture of optical instruments, photographic equipment, magnetic and optical media
345	1,314	1,298	117	116	107	97	106	107	107	109	108	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
122	437	450	43	42	36	31	35	36	36	36	36	Manufacture of electric motors, generators and transformers
223	877	847	74	74	71	66	71	71	71	73	73	Manufacture of electricity distribution and control apparatus
116	423	438	35	34	32	32	36	36	37	36	36	Manufacture of batteries and accumulators
272	883	1,003	76	78	73	60	68	72	72	74	74	Manufacture of wiring and wiring devices
25	68	67	6	6	5	5	6	6	6	6	6	Manufacture of fibre optic cables
237	780	898	67	69	65	52	60	63	63	65	65	Manufacture of other electronic and electric wires and cables
												Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
10	35	38	3	3	3	2	3	3	3	3	3	
61	153	221	13	12	12	13	14	13	13	13	12	Manufacture of electric lighting equipment
116	694	574	58	58	54	47	54	61	61	60	60	Manufacture of domestic appliances
84	283	299	23	23	23	23	23	23	24	24	24	Manufacture of other electrical equipment
1,112	4,167	4,292	364	364	335	318	324	340	343	339	348	Manufacture of general-purpose and special-purpose machinery
												Manufacture of fluid power equipment
90	341	340	21	30	29	26	27	28	27	27	28	Manufacture of other pumps, compressors, taps and valves
												Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
249	796	918	65	62	60	58	57	61	68	68	74	Manufacture of metal-forming machinery and machine tools
173	703	689	58	58	56	53	57	68	60	59	59	Manufacture of air-conditioning machines, including for motor vehicles
144	548	554	60	63	43	43	37	37	43	42	43	Manufacture of other special-purpose machinery n.e.c.
456	1,779	1,790	160	151	147	138	145	147	146	143	145	Other industry
287	1,031	1,057	97	97	94	77	74	85	80	87	87	Manufacture of motor vehicles
75	260	283	25	25	24	20	21	22	20	20	21	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
523	2,127	2,071	193	199	184	173	161	166	165	165	170	Manufacture of parts and accessories for motor vehicles
67	299	285	28	27	25	23	24	25	25	25	24	Building of ships and boats
204	802	810	78	80	79	62	62	61	62	61	63	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.
125	436	482	41	43	42	35	34	33	33	33	36	Manufacture of motorcycles
30	138	132	11	12	11	9	11	11	12	12	12	Manufacture of bicycles and invalid carriages
49	228	195	26	25	26	18	17	17	17	16	16	Other industry
643	2,368	2,425	202	201	194	171	186	195	202	201	204	Manufacture of furniture
501	1,784	1,852	149	147	144	131	140	148	152	152	154	Manufacture of wooden and cane furniture
143	584	573	53	53	50	41	47	47	49	49	50	Other industry
67	242	250	20	20	20	18	19	19	20	20	20	Manufacture of jewellery, bijouterie and related articles
184	668	721	56	56	54	52	56	56	55	55	54	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
39	151	151	15	15	13	12	14	12	12	12	11	Manufacture of stationery
145	517	570	41	42	41	40	42	44	43	43	43	Other industry
18	66	71	6	6	5	5	5	5	6	6	6	Manufacture of sports goods
62	184	184	15	16	16	17	13	16	15	16	17	Manufacture of games and toys
330	1,240	1,260	114	113	108	104	96	96	98	98	97	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
67	285	268	26	26	25	30	22	21	22	22	22	Repair and maintenance of transport equipment except motorcycles and bicycles
264	954	992	88	87	83	74	74	74	76	76	75	Other industry
23,180	87,194	89,830	7,664	7,608	7,456	6,825	6,968	7,113	7,091	7,113	7,217	Total Manufacturing

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh							
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	32	32	35	34	34	35	32
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	109	109	122	118	114	106	89
	27101 Pembuatan motor elektrik, penjana dan transformer	35	36	36	36	33	32	34
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	73	74	86	82	82	74	56
272/ 27200	Pembuatan bateri dan akumulator	36	37	37	37	30	30	30
273	Pembuatan pendawaian dan peranti pendawaian	76	75	86	84	84	76	76
	27310 Pembuatan kabel gentian optikal	6	5	6	4	4	4	4
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	67	66	77	77	77	69	70
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	3	3	3	3	3	3	3
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	12	12	13	16	15	15	16
275/ 27500	Pembuatan perkakasan domestik	60	59	63	60	60	60	44
279/ 27900	Pembuatan kelengkapan elektrik lain	25	24	25	24	24	22	24
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	351	350	390	379	379	352	349
	28120 Pembuatan alat-alat kuasa bendalir &	29	30	38	29	29	29	28
	28130 Pembuatan pam, pemampat, kepala paip dan injap lain							
	28180 Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik &	71	71	83	83	81	71	72
	28220 Pembuatan jentera pembentukan logam dan alatan mesin							
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	60	56	59	58	58	58	53
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	44 148	43 150	50 160	50 158	50 161	45 149	49 148
291 (29101 & 29102)	Pembuatan kenderaan bermotor	78	80	95	87	89	82	88
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	21	21	22	21	21	24	24
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	175	179	196	180	184	178	186
301 (30110 & 30120)	Pembinaan kapal dan bot	24	25	25	25	25	30	25
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	63	65	65	68	69	71	71
	30910 Pembuatan motosikal	35	35	36	38	39	42	42
	30920 Pembuatan basikal dan invalid carriages Industri lain	12 17	12 17	12 17	13 17	12 17	12 17	12 17
310	Pembuatan perabot	204	201	207	208	207	201	194
	31001 Pembuatan perabot kayu dan rotan Industri lain	156 48	154 47	158 49	158 51	157 50	151 50	146 49
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	20	20	24	23	22	21	21
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	57	57	60	61	62	61	59
	32901 Pembuatan alat tulis Industri lain	12 45	12 45	12 48	13 48	13 49	13 48	13 47
323/ 32300	Pembuatan barangan sukan	6	6	6	6	6	6	6
324/ 32400	Pembuatan permainan dan mainan	13	13	18	11	11	11	11
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	104	105	107	107	107	108	109
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal Industri lain	22 82	24 82	24 83	24 83	24 83	24 84	23 86
Jumlah Pembuatan		7,205	7,190	7,744	7,558	7,512	7,514	7,386

2021								Group Description/Period
Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
32	32	30	31	32	32	33	37	Manufacture of optical instruments, photographic equipment, magnetic and optical media
100	104	104	107	110	111	113	122	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
36	39	39	40	40	40	40	42	Manufacture of electric motors, generators and transformers
64	65	65	67	70	70	73	80	Manufacture of electricity distribution and control apparatus
36	38	38	42	40	40	38	38	Manufacture of batteries and accumulators
80	82	81	82	86	88	85	99	Manufacture of wiring and wiring devices
5	5	5	5	8	8	8	9	Manufacture of fibre optic cables
73	74	73	74	75	77	74	86	Manufacture of other electronic and electric wires and cables
3	4	3	3	3	3	3	3	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
17	20	20	20	20	20	20	21	Manufacture of electric lighting equipment
54	51	47	43	37	38	38	40	Manufacture of domestic appliances
24	23	23	24	26	26	26	32	Manufacture of other electrical equipment
349	340	336	345	350	355	361	395	Manufacture of general-purpose and special-purpose machinery
								Manufacture of fluid power equipment
27	26	26	27	28	27	28	36	Manufacture of other pumps, compressors, taps and valves
								Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
71	71	71	71	78	78	83	89	Manufacture of metal-forming machinery and machine tools
57	57	55	62	58	58	58	57	Manufacture of air-conditioning machines, including for motor vehicles
45	43	43	43	43	44	44	55	Manufacture of other special-purpose machinery n.e.c.
149	142	141	142	144	148	148	159	Other industry
88	85	82	83	87	90	93	104	Manufacture of motor vehicles
24	23	23	23	25	25	25	25	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
172	167	155	158	168	169	170	184	Manufacture of parts and accessories for motor vehicles
24	23	22	22	22	22	22	23	Building of ships and boats
70	64	64	63	67	68	69	67	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
41	38	39	37	40	41	43	41	Manufacture of motorcycles
12	10	9	11	11	11	10	9	Manufacture of bicycles and invalid carriages
17	15	16	15	16	16	16	16	Other industry
197	187	185	187	214	213	213	218	Manufacture of furniture
148	143	141	142	166	165	165	170	Manufacture of wooden and cane furniture
49	45	44	45	48	47	48	47	Other industry
20	19	19	18	20	20	21	26	Manufacture of jewellery, bijouterie and related articles
59	59	59	59	59	60	60	63	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
13	12	12	12	13	13	13	13	Manufacture of stationery
46	47	47	46	47	47	48	50	Other industry
6	6	5	6	6	6	6	6	Manufacture of sports goods
11	14	15	18	19	19	19	23	Manufacture of games and toys
103	97	99	99	101	107	112	111	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
22	21	21	21	22	21	23	22	Repair and maintenance of transport equipment except motorcycles and bicycles
81	76	77	78	79	86	89	89	Other industry
7,416	7,360	7,195	7,231	7,479	7,523	7,536	8,122	Total Manufacturing

Jadual : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peraturan Tahunan
Table : Salaries and Wages Paid of Manufacturing Sector by Group: Annual Percentage Change

1.6b

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh			2020				2021				2020	2021						
		2020	2021									(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mac	Apr.	Mei	
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4								
101	Pemprosesan dan pengawetan daging	-4.8	3.6	5.9	-7.3	-12.0	-5.5	-4.6	8.1	7.0	4.8	-4.8	3.6	-0.5	3.0	16.6	-4.2	-8.2	
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	11.1	2.8	16.3	7.1	12.5	8.9	7.5	9.1	-1.4	-3.3	11.1	2.8	17.8	18.2	13.1	5.4	7.5	
	10201 & Pengetinan ikan, krustasea dan moluska																		
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	13.6	2.4	16.5	9.7	14.2	14.0	8.2	8.8	-1.8	-4.9	13.6	2.4	16.9	18.2	14.5	6.4	10.6	
	Industri lain	1.6	4.6	15.7	-3.2	6.1	-9.2	4.5	10.5	0.5	3.7	1.6	4.6	21.6	18.3	7.5	1.2	-5.0	
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	10.4	4.5	3.5	9.2	17.5	12.3	9.7	5.2	3.6	-0.3	10.4	4.5	9.4	2.0	-0.7	11.8	8.3	
	10303 & Pengetinan nanas																		
	10304 Pembuatan jem, marmalad dan sajian jeli	4.0	-17.2	-7.6	-1.0	11.7	14.3	12.8	3.4	-33.2	-47.4	4.0	-17.2	-11.1	-2.9	-8.9	-11.5	2.8	
	Industri lain	11.2	7.1	5.0	10.5	18.3	12.1	9.3	5.4	8.4	5.5	11.2	7.1	12.0	2.7	0.3	14.7	9.0	
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	2.3	-0.1	6.2	2.0	1.8	-0.9	-4.0	-0.3	-0.3	4.5	2.3	-0.1	6.9	7.5	4.2	5.1	0.7	
	10404 & Pembuatan minyak sayuran mentah dan bertapis																		
	10406 Pembuatan sebatian lemak masakan	0.1	5.6	5.0	-4.4	1.8	-2.0	0.1	13.8	5.8	3.5	0.1	5.6	3.0	6.2	5.8	-9.9	-4.4	
	10405 Pembuatan minyak kelapa	-8.9	-19.0	10.0	-7.0	-15.4	-21.4	-18.8	-10.3	-25.3	-22.3	-8.9	-19.0	9.3	12.1	8.7	-10.0	-5.3	
	Industri lain	3.0	0.4	6.1	3.0	2.8	0.4	-3.5	-0.9	0.3	5.7	3.0	0.4	7.1	7.4	3.9	7.1	1.4	
105	Pembuatan produk tenusu	2.8	9.9	4.7	-1.4	-3.0	10.7	3.3	14.7	19.2	3.9	2.8	9.9	5.5	6.3	2.3	-4.3	-0.6	
	10502 Pembuatan susu pekat, tepung dan sejat	2.2	11.7	3.8	-2.5	-4.0	11.5	4.3	17.1	22.9	4.8	2.2	11.7	3.8	5.9	1.7	-5.2	-1.9	
	Industri lain	6.4	-1.7	11.0	5.6	3.2	5.9	-3.6	1.0	-2.0	-2.5	6.4	-1.7	17.5	9.0	6.7	1.4	7.9	
106	Pembuatan produk bijian, kanji dan produk berkanji	2.1	5.3	6.2	-2.9	2.5	2.4	3.6	11.9	4.1	2.2	2.1	5.3	2.2	8.5	7.9	0.8	-3.3	
	10611 Pengilangan beras	10.7	1.9	17.4	15.9	8.2	2.2	-1.7	-1.3	4.4	6.6	10.7	1.9	13.1	19.5	19.7	19.7	13.9	
	10613 Pengilangan tepung	-6.1	8.8	-4.6	-21.2	-2.2	3.8	9.5	30.2	3.1	-2.6	-6.1	8.8	-7.7	-2.5	-3.5	-17.5	-20.8	
	Industri lain	0.3	7.3	6.8	3.1	-3.3	-5.1	4.9	10.0	9.2	5.2	0.3	7.3	-0.8	11.7	10.7	5.5	5.5	
107	Pembuatan produk makanan lain	0.2	2.6	5.2	2.6	-0.3	-6.2	-1.2	-0.2	1.7	10.2	0.2	2.6	5.1	6.0	4.5	1.7	2.9	
	10711 Pembuatan biskut dan cookies	1.4	6.0	1.2	0.9	0.2	3.5	5.2	0.2	4.9	13.6	1.4	6.0	2.2	2.7	-1.5	0.1	1.8	
	10712 Pembuatan roti, kek dan produk bakeri lain	1.3	-6.8	10.6	7.4	-2.1	-9.4	-12.2	-9.9	-5.3	0.8	1.3	-6.8	8.7	9.7	13.5	11.6	5.1	
	10713 Pembuatan produk snek	-5.3	7.4	-6.0	-7.0	-0.7	-7.2	1.5	9.1	8.8	10.6	-5.3	7.4	-3.0	-5.1	-9.8	-10.7	-7.2	
	10721 Pembuatan gula	-28.7	-9.9	-1.0	-25.9	-41.3	-41.9	-26.5	-14.5	2.3	7.0	-28.7	-9.9	4.7	1.9	-10.1	-27.2	-26.3	
	10731 Pembuatan produk koko	-14.1	-16.2	3.9	-2.2	-14.2	-41.2	-31.0	-23.9	-18.3	21.8	-14.1	-16.2	8.2	2.5	0.9	5.6	7.0	
	10732 & Pembuatan coklat dan produk coklat																		
	10733 Pembuatan konfeksi gula	-6.8	-1.6	3.4	-2.1	-10.7	-16.9	-9.0	-4.4	-0.1	8.7	-6.8	-1.6	-1.7	5.3	6.7	-1.2	-1.2	
	10793 Pembuatan sos dan bahan perasa	-3.1	4.8	-1.0	-4.8	1.8	-8.2	-1.7	-2.2	2.6	21.7	-3.1	4.8	-3.6	-1.4	1.7	-8.9	-3.6	
	10799 Pembuatan produk makanan lain t.t.t.l.	4.2	17.7	0.9	4.2	7.6	4.1	17.2	19.1	11.4	23.3	4.2	17.7	3.4	4.1	-4.4	-0.3	2.4	
	Industri lain	8.1	8.6	9.1	8.8	9.3	5.2	11.5	7.9	5.2	9.8	8.1	8.6	10.5	10.5	6.3	4.0	10.6	
108/ 10800	Pembuatan makanan haiwan tersedia	8.5	3.3	16.5	7.2	8.6	2.4	-2.2	4.8	6.6	4.4	8.5	3.3	22.7	15.2	11.2	9.4	6.0	
110	Pembuatan minuman ringan	-12.5	-5.4	4.2	-19.2	-17.8	-17.0	-16.6	-0.05	-2.8	0.5	-12.5	-5.4	3.2	5.0	4.5	-16.5	-19.9	
	11041 Pembuatan minuman ringan	-9.8	-3.4	0.3	-18.0	-13.3	-8.7	-14.2	1.3	-1.2	2.5	-9.8	-3.4	-2.9	0.1	4.1	-17.7	-18.0	
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-15.1	-0.3	11.8	-19.0	-19.6	-29.4	-13.3	10.5	1.7	4.0	-15.1	-0.3	15.3	15.8	3.1	-18.6	-18.8	
	Industri lain	-22.0	-30.6	11.8	-25.7	-37.5	-33.4	-36.9	-31.8	-26.6	-23.4	-22.0	-30.6	13.7	12.3	9.4	-5.0	-32.9	
120/ 12000	Pembuatan produk tembakau	-27.6	-2.4	0.8	-45.9	-37.4	-25.9	-18.7	16.7	1.7	0.4	-27.6	-2.4	2.1	0.6	-0.1	-43.9	-44.8	
131	Pemintalan, penenunan dan penyiapan tekstil	-6.2	-2.2	2.0	-10.3	-7.9	-8.6	-8.4	2.2	-5.4	3.6	-6.2	-2.2	3.2	2.4	0.2	-10.8	-13.3	
	13110 & Penyediaan dan pemintalan gentian tekstil																		
	13120 Penenunan tekstil	-3.5	-0.4	4.2	-8.8	-4.3	-5.1	-3.9	8.7	-6.7	1.4	-3.5	-0.4	4.8	4.6	3.2	-6.6	-13.8	
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-9.4	-6.5	0.8	-8.1	-14.8	-15.4	-17.5	-13.4	-1.7	9.3	-9.4	-6.5	3.3	1.4	-2.2	-11.4	-6.1	
	Industri lain	-29.0	3.9	-26.0	-60.9	-13.9	-11.7	-8.1	79.7	-12.8	-5.2	-29.0	3.9	-24.3	-25.7	-28.1	-82.2	-77.0	
139	Pembuatan tekstil lain	0.8	1.0	2.5	-2.1	3.6	-0.9	-1.1	4.5	-1.3	2.2	0.8	1.0	1.9	3.5	2.2	-11.5	1.2	
	13910 Pembuatan fabrik dikait dan dikrusye	-8.8	-4.1	2.1	-11.0	-8.4	-16.6	-15.1	1.5	-4.7	3.1	-8.8	-4.1	1.4	6.7	-1.5	-22.0	-4.3	
	Industri lain	6.9	3.8	2.8	3.3	11.6	10.2	7.3	6.0	0.5	1.7	6.9	3.8	2.2	1.6	4.5	-5.6	4.5	
141	Pembuatan pakaian, kecuali pakaian berbulu	-17.0	-15.7	2.6	-19.1	-23.9	-26.6	-26.9	-17.2	-13.0	-2.0	-17.0	-15.7	3.4	4.0	0.4	-20.1	-18.0	
	14102 Pembuatan pakaian	-22.0	-19.4	2.4	-22.9	-31.3	-34.6	-35.1	-23.0	-11.1	-0.8	-22.0	-19.4	1.7	4.2	1.3	-21.7	-21.8	
	Industri lain	-0.2	-6.0	3.2	-6.3	1.4	0.7	-0.2	-1.4	-17.3	-4.7	-0.2	-6.0	8.8	3.3	-2.6	-15.1	-5.2	
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	-15.3	-16.1	-2.6	-17.6	-22.9	-18.4	-22.6	-9.6	-17.4	-13.3	-15.3	-16.1	5.7	-3.7	-9.6	-17.6	-20.9	
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-24.7	-0.3	-17.0	-34.6	-24.9	-22.8	-10.0	14.3	-2.9	0.7	-24.7	-0.3	0.7	-27.0	-24.4	-35.2	-36.8	
152	Pembuatan kasut	-1.6	-2.3	20.7	-6.0	-12.9	-6.8	-13.7	4.5	-2.3	4.8	-1.6	-2.3	4.5	32.2	26.8	-10.3	-10.0	
	15201 & Pembuatan kasut kulit																		
	15203 Pembuatan kasut getah	2.7	-2.1	26.7	-5.5	-10.0	1.2	-14.2	5.4	-2.8	6.1	2.7	-2.1	4.0	40.0	36.6	-11.2	-10.8	
	Industri lain	-10.8	-3.0	8.0	-7.2	-19.3	-22.2	-12.7	2.3	-1.0	1.6	-10.8	-3.0	5.4	14.1	5.4	-8.1	-8.0	
161/ 16100	Pengilangan dan pengetaman kayu	0.4	-1.3	-2.8	-10.7	5.6	9.6	2.6	4.3	-6.1	-5.0	0.4	-1.3	-3.9	-1.4	-3.0	-21.7	-11.5	

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2020				2021				2020	2021						
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mac	Apr.	Mei	
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	-4.8	2.4	2.9	-9.0	-4.5	-8.6	-8.2	2.2	3.5	13.4	-4.8	2.4	3.9	3.4	1.3	-10.5	-9.6	
16211	Pembuatan kepingan venier dan papan lapis	-8.8	-3.2	0.02	-10.7	-8.3	-16.3	-18.0	-8.3	0.3	16.4	-8.8	-3.2	0.02	0.8	-0.8	-11.1	-13.1	
16212	Pembuatan papan partikel dan papan gentian	-12.5	5.7	0.6	-17.5	-18.3	-14.2	-11.4	5.8	9.2	22.2	-12.5	5.7	5.5	-0.4	-3.0	-16.5	-12.3	
16221	Pertukangan kayu untuk jurubina	11.7	15.9	6.1	3.1	20.4	17.5	23.7	24.4	8.2	9.1	11.7	15.9	8.1	6.8	3.4	-1.5	1.4	
	Industri lain	-1.3	1.7	11.2	-7.9	-4.6	-3.8	-6.2	7.8	3.2	3.4	-1.3	1.7	11.5	12.4	9.8	-12.1	-6.7	
170	Pembuatan kertas dan produk kertas	-5.8	0.7	1.2	-8.3	-9.8	-6.2	-4.7	3.1	0.7	4.3	-5.8	0.7	1.1	1.8	0.6	-9.5	-8.8	
17010	Pembuatan pulpa, kertas dan kertas tebal	-2.3	-1.9	7.0	-2.1	-1.2	-12.3	-14.9	-5.1	-0.4	15.1	-2.3	-1.9	6.5	13.8	1.2	-8.5	0.0	
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	-10.5	0.9	-2.1	-12.9	-17.1	-9.0	-5.2	7.2	-0.5	2.8	-10.5	0.9	-2.5	-2.3	-1.6	-13.8	-12.4	
17091	Pembuatan sampul surat dan kad surat	-6.4	1.5	0.6	-5.7	-11.3	-9.3	-8.7	-0.03	9.2	6.9	-6.4	1.5	-1.6	0.7	2.6	-1.0	-10.0	
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-1.0	2.3	5.6	-7.0	-2.0	-0.1	-0.2	6.7	0.8	1.9	-1.0	2.3	16.4	7.2	-4.6	-12.3	-5.3	
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-7.5	-12.8	-4.9	-8.2	-10.2	-6.9	-12.1	-18.7	-11.4	-9.1	-7.5	-12.8	-11.2	-8.0	4.6	-4.5	-13.4	
	Industri lain	6.7	27.3	14.7	1.4	2.2	8.7	21.7	37.5	28.2	23.1	6.7	27.3	13.6	17.8	12.7	2.6	-0.4	
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	-2.8	-0.8	4.3	-7.1	-5.5	-2.7	-4.1	2.3	-2.8	1.8	-2.8	-0.8	6.2	5.4	1.3	-7.7	-7.4	
18110	Percetakan	-1.8	-0.5	4.6	-6.3	-4.1	-1.4	-4.2	2.8	-2.3	2.1	-1.8	-0.5	6.7	6.1	1.2	-7.3	-7.0	
18120	Aktiviti perkhidmatan berkaitan percetakan	-7.4	-2.4	2.6	-11.2	-12.0	-9.0	-3.6	-0.7	-5.1	-0.1	-7.4	-2.4	4.0	1.9	1.9	-9.7	-9.4	
&																			
18200	Penerbitan semula media rakaman																		
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	-4.4	1.9	6.7	-10.2	-9.5	-5.0	-3.1	6.4	5.2	0.6	-4.4	1.9	7.0	7.4	5.7	-9.5	-10.3	
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	-16.9	-2.2	3.5	-23.7	-24.0	-23.3	-21.5	4.8	9.0	5.5	-16.9	-2.2	4.3	6.2	0.1	-25.4	-24.7	
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	-41.2	-9.0	5.4	-57.9	-55.8	-52.7	-47.6	19.0	16.7	22.1	-41.2	-9.0	5.8	10.6	0.3	-58.4	-59.1	
20112	Pembuatan kimia organik asas	-3.4	3.1	6.2	0.9	-10.2	-9.7	-7.1	-1.4	14.2	8.2	-3.4	3.1	7.2	11.0	0.8	0.2	0.9	
&																			
20113	Pembuatan sebatian bukan organik																		
20121	Pembuatan baja	-39.0	-17.1	-3.8	-56.0	-47.8	-49.0	-44.8	12.8	-2.3	-5.3	-39.0	-17.1	-2.8	-1.0	-7.1	-60.1	-59.1	
&																			
20129	Pembuatan produk campuran nitrogen																		
20131	Pembuatan plastik dalam bentuk primer	-13.7	-3.4	4.1	-24.5	-16.6	-18.1	-21.2	9.5	2.7	1.6	-13.7	-3.4	4.2	3.2	4.7	-25.7	-24.4	
	Industri lain	-8.7	7.7	-2.7	-10.8	-13.8	-7.4	1.5	14.5	12.4	3.6	-8.7	7.7	0.4	-1.6	-7.0	-7.3	-12.6	
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	4.9	3.1	-1.8	-4.4	12.3	15.2	11.5	6.6	-4.4	-0.8	4.9	3.1	-2.7	-3.1	0.5	-7.5	-6.8	
20210	Pembuatan racun perosak dan produk agrokimia lain	2.3	31.5	-9.3	1.8	1.6	17.3	49.3	34.2	23.8	20.7	2.3	31.5	-13.1	-14.2	-0.1	8.9	-2.6	
20221	Pembuatan cat, varnis dan penyadur dan mastik	-2.2	2.9	5.2	-4.5	0.1	-8.7	6.7	2.2	-0.5	3.0	-2.2	2.9	8.1	5.1	2.6	-3.9	-6.4	
20222	Pembuatan dakwat cetak	20.3	-6.4	0.4	22.0	26.7	33.7	21.7	-11.5	-15.2	-16.1	20.3	-6.4	-6.8	-3.2	11.4	32.4	14.2	
20231	Pembuatan sabun dan bahan pencuci, penyediaan																		
&																			
20232	Pembuatan pewangi dan penyediaan dandanan diri	1.8	-3.3	1.7	-14.3	9.1	12.1	1.7	9.8	-10.0	-12.7	1.8	-3.3	3.1	1.6	0.2	-21.2	-16.7	
&																			
20291	Pembuatan plat fotografi, filem, sensitized paper dan																		
&																			
20292	Pembuatan dakwat menulis dan melukis	7.7	8.0	-8.7	-3.2	21.5	27.2	15.6	6.3	-2.5	13.3	7.7	8.0	-11.6	-10.5	-4.1	-9.4	-3.2	
&																			
20299	Pembuatan produk kimia lain t.t.t.l.																		
	Industri lain	0.4	-0.8	12.0	6.5	-7.2	-7.7	-1.3	-2.1	0.5	-0.4	0.4	-0.8	18.0	7.1	10.9	3.4	1.6	
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	9.5	13.7	2.3	12.1	11.5	11.8	14.6	14.8	13.9	11.9	9.5	13.7	2.2	3.0	1.8	17.1	9.6	
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	9.8	12.1	3.4	12.6	11.5	11.5	13.1	13.5	10.3	11.5	9.8	12.1	3.5	4.4	2.3	18.7	10.5	
	Industri lain	8.1	20.9	-2.2	9.8	11.1	13.5	21.1	20.6	29.0	13.5	8.1	20.9	-3.4	-3.0	-0.2	10.7	5.9	
221	Pembuatan produk getah	7.7	8.9	-1.4	9.4	10.8	11.9	7.3	11.5	14.3	2.3	7.7	8.9	-0.2	-3.2	-0.9	4.4	11.2	
22111	Pembuatan tayar getah untuk kenderaan	-7.3	-2.2	0.7	-6.0	-10.3	-13.0	-14.2	5.0	0.4	0.7	-7.3	-2.2	3.2	1.0	-2.0	-1.5	-5.3	
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	6.9	14.7	-6.2	2.0	14.1	19.3	19.1	21.0	8.1	11.6	6.9	14.7	-6.9	-8.4	-3.1	1.6	-2.7	
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	2.2	15.2	-11.6	-2.6	10.9	13.0	25.6	22.2	11.6	3.8	2.2	15.2	-7.8	-12.2	-14.9	-1.2	-8.0	
&																			
22193	Pengilangan semula getah dan prosesan susu getah																		
22192	Pembuatan sarung tangan getah	15.8	15.6	1.6	23.1	18.3	20.0	7.1	15.7	30.3	8.0	15.8	15.6	2.5	-1.8	4.2	13.6	28.1	
22199	Pembuatan produk getah lain yang t.t.t.l.	1.9	-7.8	-0.5	-2.3	5.1	5.5	4.5	-5.5	-16.8	-13.3	1.9	-7.8	-0.6	-0.8	-0.1	-7.4	-0.7	
222	Pembuatan produk plastik	8.5	6.5	4.5	13.1	7.1	9.3	15.9	11.5	-0.5	0.7	8.5	6.5	2.7	5.1	5.7	8.2	15.0	
22201	Pembuatan produk plastik separa siap																		
&																			
22202	Pembuatan produk plastik siap	11.1	1.3	9.7	17.2	6.0	12.0	8.7	4.8	-3.8	-3.6	11.1	1.3	1.5	12.6	15.1	18.1	19.3	
22203	Pembuatan artikel plastik untuk pembungkusan	10.3	13.0	1.7	14.9	14.9	9.5	18.6	19.5	5.2	9.7	10.3	13.0	3.5	3.3	-1.7	2.1	19.4	
22204	Pembuatan barangan plastik untuk jurubina	3.7	2.6	0.1	1.8	5.6	7.4	9.5	13.2	-8.4	-3.3	3.7	2.6	0.0	1.4	-1.2	-6.4	3.7	
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	24.5	13.1	0.8	20.3	40.2	38.5	34.0	14.6	1.6	7.2	24.5	13.1	-1.9	-0.7	4.9	10.6	17.8	
22209	Pembuatan pelbagai produk plastik t.t.t.l.	2.5	7.2	1.8	7.2	-0.7	2.2	18.9	13.4	-0.6	-1.0	2.5	7.2	4.6	-0.1	0.9	2.1	8.1	
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	-5.1	12.3	7.4	-4.2	-9.5	-13.2	-2.9	10.9	14.4	28.8	-5.1	12.3	12.2	9.2	0.5	-6.6	-2.8	

2020													2021						Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
-6.9	-3.7	-4.2	-5.7	-7.6	-9.2	-9.0	-8.0	-10.6	-6.0	5.7	3.2	-2.2	-1.1	3.0	8.6	11.9	14.5	13.7	Manufacture of products of wood, cork, straw and plaiting materials
-7.9	-5.6	-8.6	-10.7	-14.1	-16.9	-17.9	-18.6	-20.0	-15.2	-7.0	-5.7	-12.1	-7.9	-1.0	10.2	14.5	16.1	18.50	Manufacture of veneer sheets and plywood
-23.4	-21.4	-17.5	-15.8	-16.0	-15.0	-11.4	-10.3	-13.8	-10.2	-0.3	6.8	11.3	6.6	9.5	11.5	17.8	26.3	22.3	Manufacture of particle board and fibreboard
9.8	21.4	21.9	18.1	18.9	14.7	18.8	22.9	23.3	24.9	35.6	23.9	14.5	9.2	7.8	7.5	7.4	11.0	9.1	Manufacture of builders' carpentry
-4.9	-6.1	-3.6	-4.0	-5.9	-1.7	-3.8	-2.9	-11.3	-4.3	19.3	4.8	0.5	2.1	4.6	2.8	5.2	5.5	-0.4	Other industry
-6.7	-10.9	-11.0	-7.6	-7.2	-6.2	-5.1	-5.0	-4.8	-4.3	5.5	3.1	0.8	-0.8	0.5	2.3	3.2	5.5	4.2	Manufacture of paper and paper products
2.5	0.0	-2.1	-1.5	-11.3	-10.9	-14.8	-18.5	-14.5	-11.6	-4.2	-6.2	-5.0	-2.1	-1.9	2.9	12.3	17.5	15.5	Manufacture of pulp, paper and paperboard
-12.5	-18.6	-19.4	-13.1	-11.2	-8.3	-7.2	-6.3	-7.1	-2.1	8.7	7.0	6.0	-4.3	1.2	1.6	1.9	4.0	2.6	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-6.3	-12.0	-10.6	-11.1	-9.8	-9.5	-8.7	-9.6	-6.3	-10.1	-8.9	4.9	4.9	9.5	8.5	9.5	8.1	6.9	5.7	Manufacture of envelopes and letter-card
-3.2	-5.0	-0.4	-0.6	-0.1	-0.9	0.7	0.4	0.1	-1.0	19.3	2.0	-0.6	2.6	-1.6	1.4	0.6	2.7	2.5	Manufacture of household and personal hygiene paper
-6.5	-10.1	-10.4	-10.0	-6.6	-7.2	-6.7	-6.0	-9.7	-19.5	-18.6	-16.7	-20.8	-11.3	-13.6	-9.3	-9.5	-8.7	-9.1	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
2.0	1.3	0.8	4.7	6.0	5.8	13.9	17.2	21.2	26.8	38.4	42.5	31.8	27.8	30.4	26.6	23.2	25.9	20.6	Other industry
-6.1	-4.4	-5.8	-6.2	-3.6	-2.5	-2.2	-5.5	-3.6	-3.2	4.0	3.2	-0.4	-2.9	-2.5	-2.9	0.4	2.2	2.6	Printing, service activities related to printing and reproduction of recorded media
-4.4	-3.0	-4.5	-4.8	-1.5	-0.9	-1.8	-4.6	-4.0	-4.0	4.2	4.4	0.01	-2.4	-2.1	-2.5	0.5	2.5	3.2	Printing
-14.4	-10.9	-12.1	-12.8	-12.8	-9.9	-4.3	-10.0	-1.5	1.4	3.1	-2.5	-2.9	-5.7	-4.6	-5.1	-0.3	0.7	-0.6	Service activities related to printing
																			Reproduction of recorded media
-10.8	-10.2	-9.2	-9.2	-6.6	-3.8	-4.6	-4.9	-2.4	-2.1	3.9	5.8	9.5	5.3	5.4	4.9	1.0	0.6	0.4	Manufacture of refined petroleum products
-21.1	-23.6	-23.9	-24.5	-24.8	-23.1	-21.9	-22.7	-22.0	-19.7	6.6	0.8	7.0	9.4	10.4	7.3	8.0	4.4	4.4	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
-56.2	-55.2	-54.7	-57.5	-53.1	-50.2	-54.7	-46.8	-48.1	-47.9	19.5	17.5	19.9	15.9	19.0	15.1	14.1	24.8	27.8	Manufacture of liquefied or compressed inorganic industrial or medical gases
1.6	-10.7	-11.9	-8.2	-11.3	-9.6	-8.4	-9.0	-7.0	-5.1	0.5	-8.7	3.7	16.1	16.0	10.7	13.0	6.3	5.7	Manufacture of basic organic chemicals
																			Manufacture of inorganic compounds
-48.5	-45.9	-44.4	-52.9	-51.2	-51.6	-43.7	-45.8	-45.7	-43.1	19.7	18.1	3.1	-2.7	-1.1	-3.1	-3.4	-7.1	-5.4	Manufacture of fertilizers
-23.2	-15.9	-16.8	-17.0	-17.3	-16.9	-19.8	-22.3	-22.9	-18.3	9.7	7.5	11.4	1.6	3.8	2.6	2.1	1.2	1.4	Manufacture of associated nitrogen products
-12.5	-14.8	-13.7	-13.1	-12.6	-5.6	-4.1	-5.9	2.9	8.2	12.5	14.3	16.7	11.8	13.0	12.2	11.0	0.6	-0.2	Manufacture of plastics in primary forms
																			Other industry
1.1	9.8	11.5	15.5	15.4	15.8	14.4	9.8	12.4	12.3	9.3	10.2	0.7	-3.3	-5.5	-4.5	-0.9	-0.7	-0.9	Manufacture of other chemical products and man-made fibres
-1.0	-0.1	2.3	2.6	6.1	24.9	20.9	56.7	46.9	44.7	25.6	42.4	35.6	26.0	19.4	26.1	30.9	19.2	13.2	Manufacture of pesticides and other agrochemical products
-3.3	-2.8	-0.4	3.5	5.2	-10.9	-17.1	20.7	-1.9	1.3	3.7	3.1	-0.3	2.3	-2.9	-0.8	0.4	5.5	3.2	Manufacture of paints, varnishes and similar coatings ink and mastics
19.1	24.0	25.6	30.6	30.6	31.5	38.9	26.0	21.2	18.5	-12.1	-8.3	-14.1	-13.9	-15.5	-16.1	-16.8	-13.6	-17.8	Manufacture of printing ink
																			Manufacture of soap and detergents, cleaning and polishing preparations
-4.4	6.4	6.4	14.6	12.2	18.1	7.3	-7.6	3.4	10.1	15.0	16.4	-0.5	-7.8	-11.3	-10.7	-11.1	-14.7	-12.2	Manufacture of perfumes and toilet preparations
																			Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
3.4	19.1	22.8	22.7	22.7	21.2	37.7	14.7	22.2	10.4	12.0	6.8	0.6	-3.6	-2.5	-1.5	9.9	14.4	15.3	Manufacture of writing and drawing ink
																			Manufacture of other chemical products n.e.c.
15.1	-2.0	-5.3	-14.0	-11.8	-6.9	-4.4	-6.3	2.4	0.6	-2.3	2.6	-6.3	-2.9	1.0	3.6	4.0	-1.0	-3.7	Other industry
9.7	10.3	10.8	13.4	12.5	11.1	12.0	13.9	14.6	15.3	15.7	15.3	13.3	13.4	14.6	13.6	15.1	9.9	10.8	Manufacture of pharmaceuticals, medicinal chemical and botanical products
8.9	10.2	11.7	12.7	13.6	10.3	10.6	12.6	12.6	14.0	13.9	13.1	13.3	8.9	11.5	10.6	12.7	9.3	12.4	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
12.8	10.4	7.0	16.4	7.7	14.3	18.0	19.2	23.3	20.7	23.5	25.2	13.3	32.7	27.8	26.4	26.3	12.3	4.1	Other industry
12.4	8.6	11.3	12.5	13.2	10.8	11.8	9.4	6.8	5.6	4.6	7.6	21.5	18.1	15.7	9.1	6.4	1.2	-0.6	Manufacture of rubber products
-10.8	-8.8	-9.5	-12.5	-8.2	-12.0	-18.6	-14.3	-23.1	-4.9	-5.3	12.7	7.7	3.7	-2.8	0.3	-1.4	-3.2	7.1	Manufacture of rubber tyres for vehicles
7.3	12.1	10.7	19.4	16.9	20.2	20.9	16.1	9.4	31.5	28.4	23.4	11.4	6.1	9.7	8.5	15.1	11.3	8.4	Manufacture of interchangeable tyre treads and retreading rubber tyres
																			Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
1.5	4.6	8.5	19.9	13.9	10.5	14.6	13.8	28.0	36.4	19.6	31.3	16.7	16.6	13.4	5.6	5.2	0.2	6.0	Rubber remilling and latex processing
27.2	16.3	20.5	18.1	20.5	19.4	20.2	15.3	7.4	-0.9	-2.5	7.9	38.9	35.4	33.1	22.3	15.5	7.5	1.2	Manufacture of rubber gloves
1.1	3.3	4.7	7.2	7.0	3.5	6.0	5.1	5.9	2.5	13.5	-13.6	-14.7	-16.5	-17.3	-16.6	-13.5	-12.9	-13.4	Manufacture of other rubber products n.e.c.
16.1	8.1	6.3	7.0	9.3	7.6	10.9	14.5	14.5	18.6	19.5	13.2	2.6	0.3	-0.9	-1.0	0.1	0.9	1.2	Manufacture of plastics products
																			Manufacture of semi-manufactures of plastic products
14.3	6.8	4.8	6.6	11.0	13.9	11.2	13.2	7.5	5.8	8.0	9.8	-3.1	-2.8	-3.7	-4.9	-5.6	-2.5	-2.5	Manufacture of finished plastic products
23.2	14.3	14.4	16.0	12.8	7.9	8.0	9.5	9.9	37.7	37.1	15.2	9.1	5.5	6.1	4.1	9.5	8.4	11.1	Manufacture of plastic articles for the packing of goods
8.4	6.3	3.7	6.8	6.9	8.2	7.1	5.5	4.8	18.6	25.1	15.5	0.4	-8.6	-9.7	-6.8	-6.0	-4.6	0.7	Manufacture of builders' plastics ware
33.0	37.7	40.2	42.7	37.4	37.1	40.8	35.0	36.0	31.2	24.9	18.0	2.8	-3.7	4.1	4.4	10.6	5.0	6.2	Manufacture of plastic tableware, kitchenware and toilet articles
11.4	1.5	-1.2	-2.3	1.8	-2.6	7.7	15.5	21.2	20.1	21.7	14.4	4.9	1.6	-2.8	-0.6	-1.0	-0.5	-1.5	Manufacture of diverse plastic products n.e.c.
-3.2	-6.9	-9.4	-12.2	-14.2	-11.9	-13.4	-8.0	-5.7	6.0	12.9	9.5	10.3	8.6	8.1	27.1	31.2	26.2	29.0	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh														
		2020	2021	2020				2021				2020		2021	
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.
														Mac	Apr.
															Mei
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-1.0	-0.3	2.0	-2.5	-1.6	-1.8	-3.6	4.0	-1.3	-0.2	-1.0	-0.3	1.0	2.0
23911	Pembuatan mortar refraktori dan konkrit														
&															
23921	Pembuatan seramik bukan refraktori	-5.0	-11.4	-4.4	-8.5	-1.1	-6.0	-16.4	-4.4	-8.3	-15.6	-5.0	-11.4	-5.9	-1.6
23930	Pembuatan produk porselin dan seramik lain	-1.8	-0.6	-5.8	-10.6	2.2	7.6	6.5	3.6	-6.3	-5.4	-1.8	-0.6	-6.0	-6.3
23941	Pembuatan simen hidrolik	1.6	-5.2	16.4	9.1	-7.2	-10.0	-11.4	-4.7	-1.7	-2.1	1.6	-5.2	7.4	12.1
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	-4.1	3.2	1.0	-7.1	-4.8	-5.5	-3.3	8.7	1.5	6.6	-4.1	3.2	-2.3	-1.2
23952	Pembuatan konkrit pratuangan, simen atau artikel batu														
&	buatan yang digunakan dalam pembinaan;														
23953	Pembuatan komponen struktur pasang siap untuk														
&	bangunan atau kejuruteraan awam dari simen, batu														
23959	atau konkrit buatan	3.0	2.2	-4.2	1.3	4.3	11.1	5.3	6.2	-0.1	-2.0	3.0	2.2	-3.1	-4.1
	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.														
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	-5.7	-4.7	9.5	-2.7	-8.5	-18.8	-14.7	-8.4	-1.5	7.5	-5.7	-4.7	12.3	15.7
	Industri lain	2.7	8.1	19.1	-4.0	-2.19	0.4	3.1	26.1	0.6	4.6	2.7	8.1	14.9	14.7
														27.8	-5.6
241															
(24101 &															
24102 &															
24103 &															
24104 &															
24109)															
242															
(24201 &															
24202 &															
24209)															
243	Pengacuan logam	-10.4	2.2	-3.3	-17.8	-10.5	-10.1	-0.4	11.5	-2.8	2.0	-10.4	2.2	2.7	-2.5
251 &	Pembuatan produk struktur logam, tangki, takungan, penjana	-1.2	-1.6	0.4	-5.6	-0.4	0.9	1.7	1.5	-6.7	-2.8	-1.2	-1.6	-0.7	0.6
252	wap, senjata dan peluru														
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap	-1.5	-10.6	0.4	-8.2	1.0	0.7	-3.7	-3.9	-18.7	-15.0	-1.5	-10.6	-0.7	0.1
&	dan pintu pagar daripada logam														
25119	Pembuatan produk struktur logam lain														
25120	Pembuatan tangki, takungan dan kontena daripada	2.9	17.5	0.5	-1.0	2.2	9.9	16.5	14.3	18.4	20.4	2.9	17.5	4.2	-0.9
	logam														
	Industri lain	-8.3	-2.8	-0.3	-3.2	-12.5	-17.0	-3.8	-2.8	-5.7	1.2	-8.3	-2.8	-9.4	6.0
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti	4.6	4.9	4.2	1.5	5.6	7.1	6.8	5.6	1.1	6.2	4.6	4.9	5.4	5.2
	perkhidmatan kerja logam														
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan	8.2	7.4	-1.1	6.0	14.0	14.4	9.0	2.0	4.7	8.2	7.4	-3.2	-0.2	0.0
	logam; serbuk metalurgi														
25920	Rawatan dan penyalutan logam; menggunakan mesin	20.3	13.0	12.1	15.5	23.9	29.1	26.3	24.0	2.5	2.6	20.3	13.0	10.6	13.2
25991	Pembuatan tin untuk produk makanan dan minuman,	9.1	2.4	7.8	8.6	5.7	14.3	5.2	-3.8	-0.4	7.9	9.1	2.4	7.9	9.4
	tiub dan kotak boleh dilipat														
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal)														
&	dan artikel seumpamanya daripada logam														
25993	Pembuatan bolt, skru, nat dan produk uliran	-7.4	10.2	-2.4	-12.9	-8.7	-5.8	1.1	3.8	9.6	26.1	-7.4	10.2	1.5	-1.9
	seumpamanya														
25994	Pembuatan barangan rumah daripada logam	-11.5	-8.1	0.5	-14.9	-13.9	-17.6	-10.6	0.7	-10.8	-11.5	-11.5	-8.1	4.4	-7.6
25999	Pembuatan produk lain yang direka daripada logam	7.5	2.5	11.5	6.7	8.1	3.8	3.4	6.1	-0.02	0.8	7.5	2.5	13.8	11.4
	t.t.t.l.														
	Industri lain	3.6	-13.3	2.2	-1.2	5.6	7.8	-4.1	-11.2	-17.8	-19.3	3.6	-13.3	3.9	6.5
261	Pembuatan komponen dan papan elektronik	-1.0	5.8	4.6	-5.2	-4.0	0.1	-0.2	11.7	5.0	7.7	-1.0	5.8	6.2	6.2
26101	Pembuatan diod, transistor dan alatan semikonduktor														
&	yang seumpamanya														
26102	Pembuatan litar elektronik bersepadu dengan	-4.2	6.5	6.8	-8.1	-9.7	-6.6	-8.2	14.6	12.3	10.8	-4.2	6.5	8.5	7.9
	pemasangan mikro														
26103	Pembuatan kapasitor dan perintang elektrik														
&															
26104	Pembuatan papan litar bercetak	5.1	7.0	-0.7	-0.9	6.9	15.4	19.5	9.2	-5.1	5.4	5.1	7.0	1.2	1.7
&															
26105	Pembuatan komponen paparan														
26109	Pembuatan komponen lain untuk aplikasi elektronik	8.5	-10.7	5.1	10.0	9.8	9.0	5.6	-10.1	-19.7	-17.0	8.5	-10.7	3.0	8.7
262															
(26201 &															
26202)															
263/															
26300	Pembuatan peralatan komunikasi	-13.8	-5.8	0.5	-14.8	-18.1	-23.7	-29.5	-1.8	-1.1	17.9	-13.8	-5.8	-3.2	1.6
264/															
26400	Pembuatan peralatan elektronik pengguna	3.3	-4.3	15.1	0.9	-2.7	1.6	-4.8	-5.6	-7.9	1.0	3.3	-4.3	12.1	16.9
265	Pembuatan kelengkapan mengukur, menguji, memandu arah	-1.1	5.7	7.1	1.9	-6.3	-6.6	-3.5	2.5	9.6	14.5	-1.1	5.7	12.0	7.7
	dan kawalan; jam tangan dan jam														
26511	Pembuatan kelengkapan mengukur, menguji, memandu														
&	arah dan kawalan	0.03	6.8	9.5	3.5	-5.3	-6.4	-2.4	3.4	11.3	15.5	0.03	6.8	14.0	10.1
26512	Pembuatan kelengkapan kawalan proses perindustrian														
26520	Pembuatan jam tangan dan jam dan bahagiannya	-10.3	-4.6	-9.7	-9.8	-13.5	-8.0	-13.4	-5.3	-4.5	5.4	-10.3	-4.6	-3.0	-9.8
266/															
26600	Pembuatan peralatan penyinaran, perubatan elektro dan	-4.6	15.4	3.6	1.3	-1.9	-20.1	0.4	19.0	17.7	26.3	-4.6	15.4	7.0	4.1
	elektroterapeutik														

2020						2021														Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.		
1.0	-1.4	-1.5	-1.7	-1.7	-1.2	-2.6	-3.0	-5.2	-2.5	9.2	5.9	-2.8	-2.3	-1.3	-0.3	0.0	-1.7	1.1	Manufacture of non-metallic mineral products	
																			Manufacture of refractory mortars and concretes	
-5.2	-3.9	-0.4	1.1	-4.3	-3.2	-10.2	-14.7	-21.4	-13.1	0.5	-5.0	-8.4	-6.6	-7.8	-10.5	-7.1	-21.8	-18.0	Manufacture of non-refractory ceramic	
-8.3	0.2	3.8	2.7	2.8	11.7	8.4	20.8	-1.9	1.6	0.8	8.1	1.8	-7.9	-3.3	-7.6	-1.7	-12.6	-1.4	Manufacture of other porcelain and ceramic products	
17.5	-2.9	-3.0	-15.2	-15.9	-7.7	-6.6	-9.2	-11.0	-13.9	10.0	-7.4	-14.3	-4.4	-5.2	4.9	4.3	1.4	-10.3	Manufacture of hydraulic cement	
-5.2	-3.9	-5.7	-4.8	-7.8	-5.8	-3.1	-1.8	-5.4	-2.9	14.9	6.2	5.6	2.5	0.8	1.1	3.7	5.1	10.9	Manufacture of ready-mix and dry-mix concrete and mortars	
																			Manufacture of precast concrete, cement or artificial stone articles for use in construction	
2.2	3.3	4.7	4.9	7.9	16.6	8.6	4.1	3.3	8.7	9.3	10.6	-1.1	-0.4	-0.2	0.2	-2.0	-2.0	-2.1	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone	
																			Manufacture of other articles of concrete, cement and plaster n.e.c.	
6.5	-5.6	-12.3	-7.4	-5.6	-27.5	-20.4	-15.9	-13.4	-14.8	-12.3	2.0	-13.7	-6.4	1.2	0.9	1.7	5.3	14.9	Manufacture of other non-metallic mineral products n.e.c.	
-1.3	-3.3	0.0	-3.2	-2.2	-0.6	4.0	3.5	3.5	2.4	49.2	21.4	9.6	-2.9	-0.8	5.7	3.7	3.9	6.1	Other industry	
-10.1	-12.0	-11.8	-11.5	-10.6	-10.1	-10.7	-5.7	-6.9	3.7	8.1	-3.8	-5.2	-6.8	-6.3	2.5	2.9	5.2	7.6	Manufacture of basic iron and steel	
-7.7	-13.2	-13.3	-12.3	-10.9	-12.4	-3.7	-3.2	-4.9	-8.7	8.3	14.3	7.0	5.7	4.1	9.6	11.2	10.6	5.2	Manufacture of basic precious and other non-ferrous metals	
-17.4	-11.6	-10.9	-9.1	-10.7	-11.0	-8.8	-8.3	-3.0	11.8	16.3	10.3	7.9	-5.4	-3.5	0.3	1.9	3.6	0.6	Casting of metals	
-1.6	-0.5	-0.3	-0.3	-1.3	1.7	2.3	2.3	-0.9	3.8	10.9	2.3	-7.7	-6.9	-9.4	-3.6	-1.2	-4.3	-2.8	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition	
																			Manufacture of metal doors, windows and their frames, shutters and gates	
-1.7	1.3	0.8	1.0	1.0	0.2	1.0	-1.2	-7.8	-2.1	11.2	-1.8	-18.7	-19.4	-20.8	-15.9	-14.7	-16.4	-14.0	Manufacture of other structural metal products	
																			Manufacture of tanks, reservoirs and containers of metal	
1.8	1.3	2.3	2.9	1.6	15.2	13.4	13.7	16.8	18.8	16.0	14.8	12.1	19.4	14.4	21.5	25.3	17.8	18.6	Other industry	
-8.5	-12.9	-11.4	-13.2	-17.8	-18.1	-15.0	-4.4	-5.7	-1.2	-0.6	-6.6	-0.9	-6.1	-8.5	-2.4	2.8	0.8	0.1	Other industry	
3.8	5.9	5.1	5.8	6.3	7.1	7.8	8.5	5.5	6.3	8.7	6.0	2.3	-2.5	-1.2	6.8	6.5	6.4	5.6	Manufacture of other fabricated metal products; metal working service activities	
11.9	14.9	12.2	15.1	13.6	13.9	15.5	20.7	11.1	11.7	15.4	8.3	4.0	2.0	2.1	2.0	5.2	5.1	3.8	Forging, pressing, stamping and roll-forming of metal; powder metallurgy	
19.3	23.5	23.3	24.9	25.6	34.2	27.7	26.0	27.4	25.5	31.6	24.3	17.1	1.7	1.7	4.1	4.4	1.2	2.3	Treatment and coating of metals; machining	
8.7	5.7	5.3	6.0	4.3	20.3	18.3	10.2	9.3	-3.9	0.9	-7.3	-4.9	-6.7	-2.9	8.4	11.5	5.3	7.5	Manufacture of tins and cans for food products, collapsible tubes and boxes	
																			Manufacture of metal cable, plaited bands and similar articles	
-11.4	-6.9	-10.3	-9.0	-4.7	-8.5	-4.2	-1.5	1.1	3.6	5.3	3.9	2.2	-2.3	0.3	31.0	24.0	30.5	24.2	Manufacture of bolts, screws, nuts and similar threaded products	
-14.7	-14.4	-13.6	-13.9	-16.3	-14.9	-21.5	-16.5	-12.8	-1.3	5.3	5.4	-8.5	-7.9	-10.8	-13.7	-11.0	-15.5	-7.9	Manufacture of metal household articles	
11.6	7.7	8.9	7.8	6.5	3.2	1.9	3.7	2.0	4.6	14.0	5.3	-0.4	-1.9	0.8	1.1	1.0	0.1	1.2	Manufacture of any other fabricated metal products n.e.c.	
-10.0	3.8	7.2	6.0	7.6	5.6	10.3	5.9	-13.5	-4.9	-25.2	-0.5	-3.1	-14.9	-18.2	-20.3	-20.3	-18.8	-18.8	Other industry	
-3.5	-6.6	-5.3	0.0	1.2	1.8	-2.2	-3.5	2.1	0.7	12.1	11.2	11.9	6.6	6.1	2.4	4.8	7.8	10.3	Manufacture of electronic components and boards	
-8.9	-13.5	-11.7	-3.7	-4.1	-2.1	-12.4	-11.7	-7.3	-5.6	8.1	14.4	21.5	13.9	15.4	7.7	7.7	10.7	13.6	Manufacture of diodes, transistors and similar semiconductor devices	
																			Manufacture of electronic integrated circuits micro assemblies	
																			Manufacture of electrical capacitors and resistors	
5.6	6.9	6.9	6.9	12.4	8.7	24.9	15.1	26.2	17.1	23.1	8.2	-1.9	-2.9	-7.5	-4.8	2.4	6.1	7.5	Manufacture of printed circuit boards	
																			Manufacture of display components	
20.1	9.5	10.9	9.1	8.0	14.4	5.1	11.3	3.5	2.1	1.0	-9.7	-20.2	-20.3	-20.6	-18.3	-16.8	-17.2	-17.0	Manufacture of other components for electronic applications	
5.2	10.9	6.6	0.8	6.4	4.6	17.4	6.9	7.0	1.5	4.8	8.2	12.7	3.6	7.3	31.8	20.6	9.7	7.0	Manufacture of computers and peripheral equipment	
-17.9	-18.5	-17.5	-18.2	-21.3	-21.5	-28.6	-25.8	-34.6	-27.9	-10.6	3.2	4.9	-4.8	0.6	0.9	1.6	20.1	34.2	Manufacture of communication equipment	
-2.5	-4.5	-3.6	-0.1	0.6	-2.0	6.2	5.8	-12.3	-8.2	-2.8	-3.8	-10.1	-14.9	-6.7	-2.5	1.5	3.1	-1.5	Manufacture of consumer electronics	
-1.0	-4.1	-6.8	-7.9	-6.2	-4.1	-8.9	-5.8	-7.7	3.5	4.9	2.9	-0.3	5.0	10.9	13.0	8.5	16.9	17.7	Manufacture of measuring, testing, navigating and control equipment; watches and clocks	
																			Manufacture of measuring, testing, navigating and control equipment	
-0.3	-2.8	-5.9	-7.2	-5.3	-3.1	-10.0	-4.2	-7.1	4.8	5.1	4.3	0.8	6.4	12.8	14.8	9.7	18.0	18.4	Manufacture of industrial process control equipment	
-6.2	-13.2	-13.6	-13.8	-13.8	-12.3	2.7	-20.0	-12.2	-7.3	3.4	-8.3	-9.6	-6.0	-4.8	-2.7	-2.2	6.9	10.8	Manufacture of watches and clocks and parts	
5.6	0.4	0.0	-5.8	-21.0	-15.6	-23.8	-8.8	-4.7	15.0	17.0	19.1	20.7	20.4	17.5	15.1	28.7	30.0	19.6	Manufacture of irradiation, electromedical and electrotherapeutic equipment	

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2020				2021				2020	2021						
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mac	Apr.	Mei	
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	-3.6	0.4	-9.8	-6.8	-2.4	6.3	2.6	-1.8	-2.9	3.4	-3.6	0.4	-11.6	-8.2	-9.8	-18.8	-1.2	
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	0.4	-1.2	1.5	-4.3	-0.2	4.6	-0.3	-5.5	-0.9	1.5	0.40	-1.2	3.6	5.0	-4.2	-12.1	-2.3	
27101	Pembuatan motor elektrik, penjana dan transformer	-5.8	3.0	4.9	-11.8	-9.5	-6.7	-16.8	6.6	11.2	13.6	-5.8	3.0	10.2	11.2	-6.7	-20.1	-10.3	
27102	Pembuatan perkakasan pengagihan dan pengawalan	3.8	-3.3	-0.3	-0.2	5.2	10.7	8.8	-11.4	-6.9	-4.1	3.8	-3.3	0.2	1.8	-2.8	-7.7	2.2	
272/ 27200	Pembuatan bateri dan akumulator	4.6	3.5	3.8	1.3	6.4	7.0	-3.9	1.2	9.7	6.2	4.6	3.5	12.2	1.1	-1.4	-6.6	5.4	
273	Pembuatan pendawaian dan peranti pendawaian	-0.1	13.5	-2.2	-9.3	4.9	6.6	7.1	19.7	13.2	14.9	-0.1	13.5	-2.6	0.4	-4.5	-19.7	-8.6	
27310	Pembuatan kabel gentian optikal	-2.8	-1.0	0.2	-4.2	-1.3	-5.7	-30.1	-20.7	0.7	45.0	-2.8	-1.0	1.5	1.4	-2.4	-11.0	-0.1	
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	0.4	15.1	-2.6	-9.6	5.9	8.5	10.7	24.3	14.3	12.4	0.4	15.1	-3.3	0.2	-4.6	-20.5	-8.7	
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-5.4	7.4	0.3	-11.2	-3.0	-7.5	-3.4	6.5	12.5	14.3	-5.4	7.4	4.2	1.1	-4.0	-18.1	-19.3	
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	5.4	43.9	13.6	12.3	-1.5	-1.1	21.5	33.5	60.4	60.7	5.4	43.9	19.9	9.6	11.3	10.2	23.6	
275/ 27500	Pembuatan perkakasan domestik	11.1	-17.2	2.8	3.7	23.2	16.0	6.4	-8.3	-28.8	-35.9	11.1	-17.2	3.4	5.2	-0.2	-11.1	2.8	
279/ 27900	Pembuatan kelengkapan elektrik lain	2.1	5.7	-0.9	-2.5	6.1	5.9	2.0	4.3	3.3	12.8	2.1	5.7	0.9	0.4	-4.0	-7.0	-2.0	
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-1.2	3.0	4.1	-6.7	-3.7	1.5	4.4	5.8	0.2	1.8	-1.2	3.0	6.6	6.9	-1.2	-9.2	-6.2	
28120 & 28130	Pembuatan alat-alat kuasa bendalir																		
	Pembuatan pam, pemampat, kepala paip dan injap lain	-11.2	-0.1	-18.5	-17.4	-13.3	5.5	7.8	0.2	-0.4	-6.6	-11.2	-0.1	-36.8	-8.7	-9.3	-21.7	-17.3	
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik																		
	Pembuatan jentera pembentukan logam dan alatan mesin	5.3	15.3	3.3	-8.8	5.3	21.8	26.3	21.2	5.4	10.9	5.3	15.3	6.6	3.5	-0.1	-8.6	-9.0	
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	10.2	-1.9	6.2	6.9	14.1	14.2	1.0	-6.2	-1.3	-1.1	10.2	-1.9	7.9	6.3	4.3	-4.4	2.7	
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-19.8	1.0	-1.0	-29.5	-24.2	-24.1	-12.7	17.2	0.5	4.3	-19.8	1.0	6.3	7.9	-18.7	-24.9	-32.8	
		1.2	0.6	11.1	0.2	-4.1	-1.6	2.2	2.3	-1.7	-0.5	1.2	0.6	16.8	12.1	4.6	-2.2	4.8	
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-12.2	2.6	-0.1	-21.0	-11.0	-16.2	-10.8	11.2	-1.1	13.6	-12.2	2.6	4.5	-0.2	-4.2	-23.0	-24.3	
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	-14.0	8.6	1.2	-20.8	-20.0	-15.7	-10.1	13.6	15.5	18.8	-14.0	8.6	0.6	2.3	0.8	-24.2	-19.6	
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-6.7	-2.6	-1.3	-14.0	-11.3	0.1	-6.0	5.1	-3.8	-5.0	-6.7	-2.6	-0.9	1.8	-4.7	-13.6	-17.0	
301 (30110 & 30120)	Pembinaan kapal dan bot	-7.6	-4.7	-1.9	-13.8	-7.7	-7.0	0.5	1.0	-11.8	-8.7	-7.6	-4.7	1.5	1.1	-8.1	-16.6	-13.9	
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	-14.5	1.0	2.6	-19.9	-21.4	-18.8	-12.3	10.5	4.0	5.5	-14.5	1.0	1.1	3.5	3.2	-17.1	-20.1	
30910	Pembuatan motosikal	-13.5	10.7	-1.5	-19.7	-18.6	-14.3	-4.5	19.1	13.3	18.4	-13.5	10.7	-2.0	-0.4	-2.2	-15.2	-20.8	
30920	Pembuatan basikal dan invalid carriages Industri lain	0.1	-4.2	6.6	-7.9	0.3	1.7	5.6	8.4	-11.1	-17.8	0.1	-4.2	1.6	8.9	9.5	-21.0	-5.2	
		-22.9	-14.3	8.2	-26.2	-36.1	-35.1	-33.3	-5.1	-4.7	-4.4	-22.9	-14.3	6.4	8.1	10.2	-18.8	-26.4	
310	Pembuatan perabot	1.2	2.4	3.1	-4.7	3.7	2.8	3.4	4.6	-3.3	5.2	1.2	2.4	4.6	4.1	0.6	-11.0	-4.1	
31001	Pembuatan perabot kayu dan rotan Industri lain	3.9	3.9	3.7	-1.8	6.2	7.4	5.8	4.4	-1.7	7.0	3.9	3.9	4.7	4.5	2.1	-7.4	-2.1	
		-6.1	-2.0	1.3	-12.5	-3.4	-9.7	-3.5	5.4	-8.3	-0.8	-6.1	-2.0	4.3	3.0	-3.4	-20.9	-9.8	
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	4.0	3.3	11.1	-4.8	4.0	6.1	8.6	8.0	-5.9	3.0	4.0	3.3	13.6	11.9	7.7	-6.9	-6.8	
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	4.1	7.9	3.5	4.0	2.8	6.0	10.2	8.7	7.5	5.5	4.1	7.9	7.6	6.3	-3.1	-1.6	6.3	
32901	Pembuatan alat tulis Industri lain	-10.8	-0.1	-2.8	-5.8	-13.7	-20.5	-11.1	-1.8	6.2	8.8	-10.8	-0.1	6.7	-1.4	-13.3	-15.6	2.3	
		9.4	10.3	5.8	7.3	8.4	15.9	17.4	11.9	7.8	4.7	9.4	10.3	8.0	9.3	0.6	3.5	7.7	
323/ 32300	Pembuatan barangan sukan	1.1	7.0	3.0	-5.0	6.0	0.3	11.3	13.6	0.5	3.6	1.1	7.0	2.8	6.7	-0.5	-9.7	-8.1	
324/ 32400	Pembuatan permainan dan mainan	4.3	-0.4	7.6	10.8	20.6	-15.9	-27.3	-22.0	9.6	40.1	4.3	-0.4	2.8	9.0	11.1	17.8	-7.0	
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-7.2	1.6	3.3	-11.7	-11.7	-8.3	-3.9	4.4	1.7	4.7	-7.2	1.6	6.4	4.8	-1.1	-7.1	-13.9	
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal Industri lain	-6.9	-6.2	-0.4	-6.2	-13.3	-7.7	-7.6	-10.9	-2.7	-3.1	-6.9	-6.2	0.2	1.0	-2.3	15.1	-14.8	
		-7.3	3.9	4.5	-13.4	-11.3	-8.5	-2.8	9.4	3.0	6.9	-7.3	3.9	8.3	6.0	-0.7	-13.8	-13.6	
Jumlah Pembuatan		-1.1	3.0	3.4	-4.0	-2.7	-1.3	-0.6	6.0	2.3	4.7	-1.1	3.0	4.1	4.4	1.8	-6.2	-3.9	

2020							2021												Group Description/Period				
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.					
-0.1	-8.7	-3.6	5.6	2.2	8.8	8.2	4.4	-0.9	4.3	11.1	-7.2	-7.3	-4.5	-0.9	-3.2	-0.4	2.4	7.8	Manufacture of optical instruments, photographic equipment, magnetic and optical media				
1.7	-1.5	-1.3	2.4	4.6	4.7	4.4	1.2	-1.5	-0.7	-7.9	-5.7	-3.0	-3.2	-1.4	1.9	1.9	3.4	-0.6	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus				
-4.6	-8.8	-10.8	-8.8	-6.4	-7.3	-6.3	-16.3	-22.6	-10.6	7.7	3.1	9.2	8.8	11.8	13.0	13.4	12.9	14.5	Manufacture of electric motors, generators and transformers				
5.2	2.6	4.2	9.0	10.9	11.8	9.6	11.3	10.5	4.3	-15.3	-9.9	-9.2	-9.3	-8.0	-3.6	-3.7	-1.1	-7.0	Manufacture of electricity distribution and control apparatus				
5.0	3.9	7.7	7.6	7.0	5.3	8.8	6.1	-12.0	-5.9	-3.7	1.3	5.4	3.8	14.8	10.6	10.6	3.7	4.3	Manufacture of batteries and accumulators				
0.9	3.6	4.6	6.4	7.1	5.2	7.4	10.3	7.5	3.3	27.9	18.0	14.7	11.4	10.9	17.1	15.5	14.2	14.9	Manufacture of wiring and wiring devices				
-1.6	-0.1	0.7	-4.6	-5.0	-7.7	-4.7	-34.1	-30.0	-25.9	-21.7	-21.5	-19.2	-19.3	-15.1	37.3	37.0	48.5	49.1	Manufacture of fibre optic cables				
0.9	4.2	5.4	8.0	8.9	6.9	9.6	14.7	11.0	6.2	33.7	22.5	18.1	14.3	12.9	15.6	13.8	11.3	12.2	Manufacture of other electronic and electric wires and cables				
5.7	-0.7	-3.9	-4.4	-5.0	-3.6	-13.5	-3.6	-0.7	-5.8	5.1	1.7	12.1	9.5	17.4	10.8	14.1	14.8	14.0	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material				
3.6	-0.8	-1.0	-2.6	-2.2	-0.7	-0.4	20.4	21.4	22.7	24.3	17.8	60.3	57.9	60.1	63.4	61.2	59.0	61.8	Manufacture of electric lighting equipment				
20.1	26.6	20.7	22.4	19.9	18.8	10.1	3.9	3.4	12.5	-6.4	0.6	-17.4	-21.6	-27.5	-37.3	-36.0	-36.3	-35.5	Manufacture of domestic appliances				
1.7	5.3	8.7	4.5	2.5	6.6	8.6	7.6	1.8	-3.3	5.9	5.5	1.3	-1.2	1.9	9.2	4.5	6.6	27.1	Manufacture of other electrical equipment				
-4.7	-5.1	-4.4	-1.6	0.1	0.5	3.7	3.9	4.0	5.2	10.0	7.6	0.03	-1.9	1.7	0.8	1.1	3.2	1.2	Manufacture of general-purpose and special-purpose machinery				
-12.9	-16.2	-13.9	-9.7	-7.1	-1.7	25.9	36.3	-4.1	-0.8	6.7	-1.5	-4.4	-1.9	1.8	-1.2	-5.9	-7.9	-6.2	Manufacture of fluid power equipment				
-8.9	-1.4	0.5	17.8	17.9	16.8	30.4	28.4	31.4	18.9	23.7	23.9	16.1	5.1	5.4	5.6	9.6	16.6	7.2	Manufacture of other pumps, compressors, taps and valves				
22.1	9.9	15.8	17.0	20.8	12.1	10.1	0.7	0.2	2.2	-0.8	0.7	-16.1	-7.6	4.8	-0.9	-3.5	4.9	-4.3	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives				
-31.0	-24.2	-25.1	-23.3	-26.3	-28.4	-17.6	-17.5	-20.9	6.0	14.9	18.7	18.4	0.1	0.6	0.8	1.2	2.0	9.0	Manufacture of metal-forming machinery and machine tools				
-1.7	-2.6	-3.6	-6.1	-1.9	2.3	-4.7	-1.1	6.1	1.8	7.5	2.7	-2.9	-3.3	-1.0	-0.6	0.2	-1.2	-0.5	Manufacture of air-conditioning machines, including for motor vehicles				
-15.8	-14.9	-12.0	-5.9	-17.9	-19.4	-11.7	-10.7	-8.5	-13.4	15.1	19.6	0.2	2.0	-4.5	-0.5	14.6	16.6	10.3	Manufacture of other special-purpose machinery				
-18.5	-20.9	-21.8	-17.1	-17.3	-16.3	-13.5	-14.9	-14.3	-0.8	17.6	16.7	6.7	11.9	14.6	19.9	20.7	18.4	17.3	Other industry				
-11.3	-13.6	-13.4	-6.6	-0.3	2.4	-1.7	-6.9	-7.4	-3.7	7.4	7.3	0.5	-6.3	-4.1	-1.2	-3.4	-5.1	-6.4	Manufacture of motor vehicles				
-11.0	-7.2	-8.4	-7.5	-9.8	-4.3	-6.9	-11.6	-6.6	21.6	11.6	-1.0	-6.8	-12.0	-12.9	-10.3	-8.0	-11.8	-6.2	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers				
-22.3	-21.5	-23.2	-19.6	-19.8	-18.5	-18.0	-13.1	-13.8	-10.1	13.8	13.9	3.9	2.5	3.3	6.0	7.5	6.4	2.7	Manufacture of parts and accessories for motor vehicles				
-22.8	-20.9	-20.7	-14.3	-14.6	-15.0	-13.4	-6.8	-7.8	1.0	19.2	21.9	16.1	16.1	10.5	13.3	17.8	21.3	16.0	Building of ships and boats				
2.4	0.4	-0.7	1.2	-2.7	3.7	4.1	11.1	0.05	6.3	36.1	8.5	-13.1	-21.1	-3.4	-8.8	-6.1	-20.3	-26.1	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c				
-32.5	-32.7	-37.7	-37.8	-35.7	-34.3	-35.2	-33.8	-30.8	-35.3	-7.7	1.2	-8.5	-8.0	-6.8	1.0	-4.4	-4.9	-4.1	Manufacture of motorcycles				
1.1	3.3	2.9	4.9	2.8	2.7	3.1	3.2	3.4	3.6	13.4	5.5	-3.9	-8.2	-7.1	5.2	4.4	5.7	5.4	Manufacture of bicycles and invalid carriages				
3.9	5.9	5.4	7.3	6.6	7.4	8.2	6.2	6.7	4.6	11.6	6.0	-3.5	-7.2	-6.5	8.4	6.2	7.0	7.8	Manufacture of furniture				
-6.8	-4.0	-4.1	-2.1	-8.0	-10.3	-10.7	-5.2	-5.6	0.8	19.2	4.0	-5.2	-11.3	-8.9	-4.6	-1.5	1.4	-2.3	Manufacture of wooden and cane furniture				
-0.8	1.2	3.8	7.2	6.0	0.0	12.2	10.7	9.5	5.6	16.0	8.8	-0.2	-6.4	-10.0	-1.4	-1.0	0.2	8.9	Manufacture of jewellery, bijouterie and related articles				
7.2	3.0	3.7	1.6	5.6	5.8	6.4	8.2	9.6	12.7	15.0	6.0	5.6	6.2	6.7	9.6	5.4	5.6	5.5	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.				
-3.4	-12.8	-13.4	-15.0	-16.3	-16.5	-27.2	-15.7	-15.0	-1.2	6.2	-7.5	-3.3	3.1	5.9	9.8	9.7	9.0	7.6	Manufacture of stationery				
10.7	8.4	9.5	7.3	13.3	13.8	20.7	16.9	18.4	17.0	17.6	10.4	8.1	7.1	7.0	9.5	4.3	4.8	4.9	Other industry				
2.8	3.5	7.1	7.4	0.9	-0.6	0.7	9.5	7.7	17.3	19.9	19.4	2.7	-3.8	-0.2	5.2	5.8	1.2	3.8	Manufacture of sports goods				
21.8	12.5	17.9	32.0	-13.8	-13.0	-19.5	-25.5	-26.7	-29.6	-35.5	-14.2	-13.8	1.2	16.6	10.6	44.2	46.5	32.1	Manufacture of games and toys				
-14.2	-11.7	-12.8	-10.7	-9.2	-9.3	-6.5	-6.2	-5.5	0.2	5.0	7.1	1.1	0.4	1.1	3.7	3.7	6.5	3.9	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment				
-18.8	-14.1	-14.4	-11.3	-11.6	-5.6	-5.9	-9.0	-8.4	-5.5	-23.0	-1.8	-3.3	-3.2	-3.5	-1.3	-2.2	-1.6	-5.4	Repair and maintenance of transport equipment except motorcycles and bicycles				
-12.7	-11.0	-12.3	-10.5	-8.5	-10.3	-6.6	-5.4	-4.6	1.9	16.3	9.7	2.3	1.4	2.4	5.1	5.3	8.9	6.6	Other industry				
-2.0	-3.2	-3.2	-1.7	-1.5	-1.3	-1.1	-1.4	-1.3	0.8	8.2	6.4	3.5	1.5	1.7	3.6	4.4	4.8	4.9	Total Manufacturing				

Jadual Table 1.6c : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
Salaries and Wages Paid of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021									
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun
101	Pemprosesan dan pengawetan daging	-0.3	-11.4	-1.4	8.4	0.7	0.4	-2.3	6.1	-2.6	2.1	-1.3	-9.4	-2.3	-1.4
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	2.4	-3.2	8.4	1.4	1.1	-1.7	-2.0	-0.7	0.1	-2.5	-0.1	-3.9	2.5	-0.2
	10201 Pengetinan ikan, krustasea dan moluska														
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	5.8	-1.7	6.6	2.8	0.5	-1.2	-3.8	-0.5	2.0	-1.1	0.04	-3.4	3.4	-0.7
	Industri lain	-10.0	-9.3	16.3	-4.4	3.6	-4.1	5.8	-1.4	-7.0	-7.8	-0.6	-6.2	-1.5	2.4
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	8.9	4.8	-3.3	1.8	6.4	0.5	-4.8	-2.1	9.2	-6.1	-1.2	13.8	-6.2	-3.4
	10303 Pengetinan nanas														
	10304 Pembuatan jem, marmalad dan sajian jeli	3.1	7.0	6.7	-2.9	1.7	-1.9	-31.1	-23.5	-5.8	13.6	-7.4	-3.2	17.7	-0.2
	Industri lain	9.6	4.6	-4.5	2.4	6.9	0.8	-1.8	-0.4	11.0	-8.0	-0.4	15.8	-8.5	-3.8
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	2.6	-2.4	-0.8	-0.2	-0.6	1.4	-0.8	4.6	-0.2	-0.2	-2.5	1.2	-1.7	-2.3
	10404 Pembuatan minyak sayuran mentah dan bertapis														
	10406 Pembuatan sebatian lemak masakan	1.0	-11.7	7.5	2.3	3.1	0.4	-0.1	0.03	2.2	0.3	-4.0	-14.2	6.8	3.1
	10405 Pembuatan minyak kelapa	-0.1	-15.1	-4.1	-3.4	3.1	-6.1	-20.1	0.4	0.03	-2.1	1.1	-17.4	4.8	-1.0
	Industri lain	2.9	-0.9	-1.3	-0.3	-1.1	1.8	-0.1	5.1	-0.5	-0.1	-2.6	3.5	-2.6	-2.7
105	Pembuatan produk tenusu	9.2	-7.2	-5.9	16.1	1.9	3.2	-2.3	1.2	3.0	-0.6	-4.1	-1.2	-1.3	-6.8
	10502 Pembuatan susu pekat, tepung dan sejat	9.3	-8.3	-6.1	18.4	2.3	2.8	-1.4	1.1	1.6	0.6	-4.8	-2.1	-1.2	-8.0
	Industri lain	8.3	0.5	-4.9	2.3	-1.3	5.3	-7.8	1.8	12.9	-7.6	0.3	4.4	-2.2	0.7
106	Pembuatan produk bijian, kanji dan produk berkanji	2.2	-9.4	8.0	2.5	3.3	-2.2	0.5	p	-1.2	5.4	-1.8	-6.2	-3.6	-4.6
	10611 Pengilangan beras	8.9	-3.2	-2.3	-0.8	4.8	-2.8	3.3	1.3	5.0	6.4	-3.0	0.5	-4.0	-3.2
	10613 Pengilangan tepung	-4.6	-17.4	24.3	6.1	0.6	-1.9	-1.6	0.2	-7.8	5.6	-1.0	-14.5	-4.0	-5.7
	Industri lain	1.6	-4.4	-4.0	1.7	12.4	0.2	-4.7	-2.0	-0.1	-2.8	2.1	-3.2	1.7	-8.3
107	Pembuatan produk makanan lain	-1.1	-0.2	-1.3	-3.7	4.2	0.8	0.6	4.4	-3.4	-0.5	-0.5	-0.6	1.3	0.2
	10711 Pembuatan biskut dan cookies	-2.7	3.4	2.4	0.4	-1.1	-1.5	7.2	8.8	-1.3	-2.0	-1.9	4.2	0.4	2.8
	10712 Pembuatan roti, kek dan produk bakeri lain	-0.5	-0.4	-4.1	-4.7	-3.6	2.3	0.9	1.4	-3.0	-0.1	-0.7	3.2	-3.5	-2.0
	10713 Pembuatan produk snek	-2.2	-2.9	-2.6	0.3	7.0	4.4	-2.9	2.0	-0.2	-3.4	-3.3	-1.6	2.7	1.0
	10721 Pembuatan gula	-18.0	-17.9	-15.0	1.5	3.7	-4.4	1.7	6.2	-17.5	-4.1	-16.2	-6.5	-2.7	7.8
	10731 Pembuatan produk koko	-9.5	3.4	-12.6	-28.1	6.3	13.9	-6.1	7.1	-14.2	-3.5	-3.9	10.0	6.3	-18.3
	10732 Pembuatan coklat dan produk coklat														
	10733 Pembuatan konfeksi gula	-3.0	-3.9	-6.6	-4.5	6.2	0.9	-2.4	3.8	-3.7	2.9	-0.1	-3.8	0.3	-3.8
	10793 Pembuatan sos dan bahan perasa	-0.8	-2.1	1.5	-6.9	6.2	-2.5	6.5	10.4	-10.3	0.3	12.1	-11.6	2.3	3.4
	10799 Pembuatan produk makanan lain f.t.t.l.	0.2	2.0	4.9	-2.9	12.8	3.7	-1.9	7.4	-5.4	-0.1	-2.3	-0.5	3.7	4.9
	Industri lain	2.4	2.3	2.1	-1.5	8.4	-1.0	-0.5	2.8	1.7	-0.8	-1.3	-0.9	5.5	2.0
108/ 10800	Pembuatan makanan haiwan tersedia	3.6	-7.2	-0.2	6.7	-1.0	-0.6	1.6	4.5	-7.4	-5.9	-8.4	1.5	-0.2	-2.2
110	Pembuatan minuman ringan	-3.5	-22.7	1.7	9.3	-3.0	-7.3	-1.1	12.9	-3.3	-1.5	-8.1	-12.7	-6.8	-3.8
	11041 Pembuatan minuman ringan	-0.2	-20.3	3.1	11.4	-6.3	-5.9	0.6	15.5	-2.1	0.3	-3.2	-15.0	-4.2	-4.7
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-12.1	-25.6	4.2	3.6	7.9	-5.2	-4.0	6.0	-8.0	-4.7	-23.0	-7.8	-2.3	0.4
	Industri lain	-0.3	-29.5	-12.5	8.3	-5.6	-23.8	-5.8	12.9	2.1	-4.1	-1.3	-8.8	-28.4	-7.9
120/ 12000	Pembuatan produk tembakau	-8.8	-41.3	13.0	22.6	-0.1	-15.7	-1.5	21.1	-24.5	2.7	-2.5	-40.7	0.6	-1.6
131	Pemintalan, penenunan dan penyiapan tekstil	-2.2	-11.9	5.2	0.8	-2.0	-1.7	-2.7	10.4	-1.6	-1.9	-3.0	-12.1	2.0	4.7
	13110 Penyediaan dan pemintalan gentian tekstil														
	13120 Penenunan tekstil	-2.6	-12.4	11.2	-0.02	-1.3	-0.9	-4.6	8.7	-1.9	-1.4	-4.2	-11.3	-0.2	6.6
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-1.0	-7.6	-10.2	2.9	-3.5	-3.0	2.0	14.4	-1.1	-3.4	0.1	-8.6	5.7	-4.3
	Industri lain	-5.1	-52.4	98.3	-1.6	-1.1	-6.9	-3.8	7.0	-0.9	1.4	-9.4	-76.7	25.8	239.6
139	Pembuatan tekstil lain	-1.0	-5.8	7.6	-1.3	-1.2	-0.5	1.6	2.2	-1.6	-6.1	1.7	-15.2	14.8	6.1
	13910 Pembuatan fabrik dikait dan dikrusye	-10.4	-13.3	10.9	-3.2	-8.8	3.7	4.1	4.7	-12.6	-8.9	-1.2	-25.5	27.9	6.2
	Industri lain	5.7	-1.2	5.9	-0.3	2.9	-2.4	0.4	0.9	6.8	-4.2	3.5	-9.2	8.6	6.0
141	Pembuatan pakaian, kecuali pakaian berbulu	-4.3	-18.5	-5.7	-0.3	-4.7	-7.6	-0.9	12.2	-4.9	-6.1	0.3	-19.5	6.5	-3.1
	14102 Pembuatan pakaian	-5.4	-21.9	-10.2	-1.5	-6.1	-7.3	3.6	10.0	-7.8	-4.7	1.0	-22.0	4.7	-5.9
	Industri lain	-0.5	-7.3	6.7	2.4	-1.4	-8.4	-10.5	17.9	5.3	-10.5	-1.9	-11.0	12.0	4.6
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1.6	-17.4	-4.8	2.2	-3.7	-3.6	-13.0	7.3	8.3	-0.6	-11.9	-8.6	-3.1	2.3
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-15.9	-24.0	12.6	7.2	-2.0	-3.4	-4.3	11.3	-3.1	-24.4	-0.3	-16.8	-2.8	10.3
152	Pembuatan kasut	10.6	-23.0	2.1	7.2	2.3	-6.7	-4.5	15.0	0.6	16.2	-1.4	-28.8	-0.8	13.8
	15201 Pembuatan kasut kulit														
	15203 Pembuatan kasut getah	19.6	-24.5	3.7	8.0	1.4	-7.2	-4.3	17.9	-0.4	31.5	-1.3	-33.9	-0.6	19.2
	Industri lain	-6.9	-19.2	-1.6	5.1	4.6	-5.3	-4.9	7.9	2.4	-12.5	-1.6	-14.3	-1.2	2.1
161/ 16100	Pengilangan dan pengetaman kayu	-1.1	-7.7	16.0	3.6	-7.5	-6.2	4.5	4.8	-2.2	2.1	-2.1	-18.3	14.2	11.7

2020						2021												Group Description/Period					
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.	Mei	Jun.	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.						
-0.7	-0.04	3.3	-1.0	10.6	0.2	-0.7	-3.9	1.8	1.5	-0.4	-2.0	-1.4	0.3	1.2	-0.9	9.1	0.4	Processing and preserving of meat					
7.3	1.0	-1.0	2.0	-0.2	-0.3	4.4	-5.0	1.2	-0.9	1.1	-2.1	1.1	-3.3	0.6	-0.1	-0.9	2.4	Processing and preserving of fish, crustaceans and molluscs Canning of fish, crustaceans and molluscs					
5.6	0.8	-0.6	3.0	-0.1	-0.1	3.2	-4.2	0.9	-0.6	1.5	-2.1	-0.6	-4.5	2.2	-0.5	-1.0	2.1	Processing, curing and preserving of fish, crustacean and molluscs					
14.8	1.8	-2.9	-2.3	-0.6	-1.1	9.6	-8.2	2.9	-2.0	-0.5	-2.4	8.6	1.8	-6.0	1.5	-0.7	3.3	Other industry					
0.6	1.3	-0.7	0.6	0.6	2.3	5.4	-1.6	1.0	0.4	-0.01	0.1	-0.5	-6.9	0.8	-1.0	0.1	2.3	Processing and preserving of fruits and vegetable					
																		Pineapple canning					
6.3	-3.5	-6.7	-0.7	-1.0	13.2	-2.7	0.2	-10.2	0.7	5.7	2.6	-1.4	-49.0	0.7	0.1	-3.2	7.7	Manufacture of jams, marmalades and table jellies					
-0.2	1.9	0.1	0.8	0.8	1.0	6.4	-1.8	2.3	0.4	-0.6	-0.2	-0.4	-2.1	0.8	-1.1	0.4	2.0	Other industry					
-0.4	0.6	3.7	-3.9	-2.3	8.0	-5.3	-0.2	1.9	1.3	-1.0	-1.3	4.3	-10.2	10.2	-0.2	-1.9	9.6	Manufacture of vegetable and animal oils and fats					
																		Manufacture of crude and refined vegetable oil					
2.9	-0.2	1.1	1.6	-0.4	0.7	2.7	-0.4	0.9	0.8	-1.1	-0.2	-1.3	3.0	-0.8	0.1	-0.9	0.2	Manufacture of compound cooking fats					
-3.2	0.5	-6.4	-0.8	0.5	3.8	-0.3	-0.3	2.9	-0.8	-0.3	-20.8	-7.9	0.3	5.5	-3.5	0.4	-0.1	Manufacture of coconut oil					
-0.5	0.7	4.4	-4.4	-2.6	8.8	-6.1	-0.2	1.9	1.4	-1.0	-0.5	5.2	-11.6	11.4	-0.1	-2.0	10.7	Other industry					
-0.9	0.05	-0.1	18.5	-3.2	0.4	1.8	0.8	1.0	3.5	-0.3	-3.3	-0.7	1.6	-0.9	-0.5	-1.9	9.3	Manufacture of dairy products					
-0.8	1.0	-0.1	20.9	-3.7	0.4	2.1	1.9	-0.04	3.4	0.1	-3.4	0.3	1.4	-1.2	-0.6	-2.0	10.3	Manufacture of condensed, powdered and evaporated milk					
-1.1	-5.3	-0.4	4.3	-0.1	0.4	0.1	-6.5	8.5	4.6	-2.6	-2.3	-7.7	3.0	1.2	0.3	-1.6	2.3	Other industry					
10.9	0.3	4.5	-1.8	0.1	3.6	2.4	-2.2	0.1	-1.1	0.1	-1.4	2.2	-2.5	2.8	-0.5	-1.5	3.3	Manufacture of grain mill products, starches and starch products					
-0.2	-0.2	4.6	-4.2	-0.01	2.0	5.8	-3.2	-0.3	-0.5	-0.04	-3.0	3.2	0.4	5.8	-0.8	-2.6	-0.01	Rice milling					
28.0	1.0	5.3	0.2	0.3	5.3	-2.3	-0.9	0.3	-2.0	0.2	0.2	0.9	-4.0	-0.05	-0.4	-0.3	7.1	Flour milling					
2.0	-0.5	-1.3	1.8	0.2	2.7	12.9	-4.1	1.7	0.8	0.02	-0.8	3.5	-11.2	-0.1	2.0	-0.8	2.0	Other industry					
-1.7	-0.3	0.2	-4.6	0.6	1.5	2.6	-0.4	1.9	0.5	-0.3	-1.9	-0.2	0.7	5.0	0.0	1.3	-0.1	Manufacture of other food products					
0.5	-0.3	0.4	-0.4	0.7	0.8	-0.8	-2.7	2.5	-2.3	-0.04	0.2	3.5	2.8	4.7	2.7	3.6	-1.7	Manufacture of biscuits and cookies					
-1.9	-0.7	2.3	-4.6	-0.6	-2.9	-3.7	3.1	0.7	-0.2	2.8	-2.6	-0.2	1.1	3.4	0.3	1.2	-6.9	Manufacture of bread, cakes and other bakery products					
-2.2	-2.3	-1.3	-0.8	3.4	1.6	6.2	-5.1	6.2	2.2	-0.03	-0.1	-4.7	2.1	1.7	-0.8	-2.3	7.9	Manufacture of snack products					
-21.2	3.8	2.9	-2.7	1.3	0.7	7.8	-8.5	3.3	-3.7	-0.6	1.8	0.2	-1.6	5.0	-2.8	8.2	2.4	Manufacture of sugar					
-2.8	1.9	-0.3	-29.1	-0.6	4.0	0.4	4.2	1.4	31.4	-23.0	0.5	-1.4	2.8	7.4	-0.04	-1.0	5.9	Manufacture of cocoa products					
																		Manufacture of chocolate and chocolate products					
-3.3	-0.03	-3.1	-2.6	1.1	-1.9	6.3	-1.9	6.3	-1.7	0.01	-2.4	-1.9	-0.2	3.9	0.8	1.0	-0.4	Manufacture of sugar confectionery					
-0.8	-0.2	-1.7	-9.1	-0.2	11.1	-0.6	0.1	-0.7	-0.5	0.1	-5.0	-2.5	8.3	20.9	-5.7	2.2	-1.3	Manufacture of sauces and condiments					
0.1	0.9	-0.6	-8.5	5.1	8.1	5.0	0.3	0.7	5.3	-0.8	-4.7	3.9	-4.4	2.3	2.0	4.8	6.1	Manufacture of other food products n.e.c.					
-0.8	-0.5	0.2	-2.0	0.01	1.7	7.6	-1.5	1.8	-1.0	-0.9	-0.6	-0.3	-0.8	3.1	0.5	-0.5	2.7	Other industry					
1.4	0.6	-1.3	-0.3	0.4	22.5	-13.4	0.2	-0.01	-0.9	0.5	-0.3	6.0	-6.4	0.2	0.3	0.1	18.9	Manufacture of prepared animal feeds					
4.7	0.7	5.0	-0.5	5.4	7.2	-7.0	-0.9	-4.0	1.4	-6.6	-4.1	-1.0	3.3	8.9	-0.3	5.6	6.5	Manufacture of beverages					
4.1	1.3	8.6	-2.0	6.4	8.4	-10.3	-0.3	-8.1	2.6	-2.5	-3.5	-0.4	1.0	11.0	0.04	6.7	8.5	Manufacture of soft drinks					
4.4	0.7	-0.4	1.7	3.1	-0.5	6.7	-1.9	5.1	-0.2	-9.8	-3.4	-2.1	4.1	3.8	-0.5	3.7	0.3	Production of natural mineral waters and other bottled waters					
10.0	-3.4	-7.0	5.7	3.8	18.5	-15.0	-3.2	1.4	-3.1	-27.2	-12.9	-2.7	25.6	7.4	-2.4	0.9	7.3	Other industry					
11.8	-2.3	10.8	5.8	0.5	26.3	-16.7	7.1	-4.4	-14.0	0.3	-4.2	-0.1	-3.4	11.1	4.4	0.4	27.3	Manufacture of tobacco products					
2.0	-1.1	0.3	-0.4	-0.3	4.6	-3.6	-0.7	-2.3	-0.5	3.0	-4.1	0.3	-2.7	2.0	4.2	5.4	5.2	Spinning, weaving and finishing of textiles					
																		Preparation and spinning of textile fibres					
7.0	-0.9	0.9	-1.1	0.1	2.1	-0.9	-1.0	-3.3	-0.2	5.5	-4.6	0.9	-8.3	4.7	4.1	5.2	2.4	Weaving of textiles					
-8.0	-1.4	-1.1	1.2	-1.3	11.2	-9.8	0.4	-0.1	-0.9	-2.5	-1.6	-0.3	8.1	-3.1	5.2	6.3	11.6	Dyeing, bleaching, printing and finishing of yarns and fabrics					
2.7	-2.3	-0.01	0.2	-0.1	-2.8	2.3	-2.4	0.6	-1.6	2.1	-18.8	-11.9	38.2	-0.9	-2.8	0.5	0.9	Other industry					
-0.9	0.5	-0.6	-0.5	-1.2	0.6	-0.6	-1.8	1.9	-1.3	2.3	-3.8	1.0	3.9	-0.2	0.9	-0.2	1.0	Manufacture of other textiles					
-0.4	0.2	-2.3	-0.3	-2.6	0.5	-8.4	0.1	0.1	-1.8	9.2	-1.7	0.03	4.2	-1.4	3.9	-0.4	1.8	Manufacture of knitted and crocheted fabrics					
-1.2	0.6	0.3	-0.6	-0.4	0.6	3.6	-2.8	2.7	-1.0	-1.0	-4.9	1.5	3.7	0.4	-0.7	-0.1	0.6	Other industry					
-1.6	-6.9	1.5	-1.5	-1.0	10.3	-5.5	-7.6	0.01	-0.02	0.5	-16.1	11.6	0.03	0.1	-0.3	12.6	11.0	Manufacture of wearing apparel, except fur					
-1.9	-10.0	1.9	-2.2	-2.1	13.7	-7.4	-9.3	0.1	0.01	3.5	-18.8	18.3	-0.1	-0.1	-0.9	9.7	12.5	Manufacture of clothings					
-0.7	0.8	0.4	-0.01	1.2	3.0	-1.1	-3.9	-0.1	-0.1	-5.8	-9.8	-2.4	0.5	0.3	1.0	19.8	7.7	Other industry					
-7.0	2.5	0.6	1.1	-3.4	6.5	-0.1	-9.8	0.4	2.1	0.3	-7.9	1.1	-15.5	4.1	-2.3	16.1	6.8	Manufacture of articles of fur, knitted and crocheted apparel					
																		Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur					
5.0	0.1	4.4	1.3	1.4	5.6	-5.8	-0.2	-0.03	-1.1	-0.1	-6.7	-8.0	9.8	6.8	2.9	1.3	-1.0	Manufacture of footwear					
																		Manufacture of leather footwear					
-6.4	-2.5	2.4	6.6	1.1	-0.1	6.0	-6.3	-1.2	0.4	-3.8	-7.0	-6.8	12.5	2.4	9.5	1.0	4.2	Manufacture of rubber footwear					
-2.7	-0.8	2.1	1.0	3.5	1.6	1.8	-0.1	1.4	-1.1	-3.2	-9.3	-2.1	3.5	7.8	0.0	2.2	0.2	Other industry					
1.6	-0.6	7.3	-0.6	-2.7	4.3	-8.7	2.0	-5.4	-0.1	-3.0	-3.9	6.3	-0.4	6.6	-0.1	-0.6	3.3	Sawmilling and planning of wood					

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021									
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	2.8	-12.2	4.1	-2.8	3.3	-2.2	5.4	6.5	2.7	-0.3	-4.1	-11.8	2.6	2.3
16211	Pembuatan kepingan venier dan papan lapis	0.9	-13.4	1.7	-5.7	-1.1	-3.2	11.3	9.3	0.1	0.1	-5.2	-11.7	-0.1	5.0
16212	Pembuatan papan partikel dan papan gentian	-0.1	-13.7	-1.0	0.6	3.1	3.0	2.2	12.5	1.4	0.2	-1.7	-11.4	1.0	-6.6
16221	Perukangan kayu untuk jurubina	6.6	-1.3	13.7	-1.8	12.2	-0.7	-1.2	-0.9	7.8	-0.7	-1.1	-4.4	5.3	2.0
	Industri lain	8.1	-17.3	5.1	2.5	5.4	-5.0	0.5	2.7	7.5	-1.2	-5.0	-19.6	9.8	1.2
170	Pembuatan kertas dan produk kertas	0.2	-8.2	1.0	1.0	1.8	-0.6	-1.4	4.6	0.0	0.04	2.1	-10.0	-0.2	2.3
17010	Pembuatan pulpa, kertas dan kertas tebal	0.9	-9.6	-0.8	-3.2	-2.1	0.9	4.2	11.8	4.0	-3.9	-2.2	-10.7	6.2	0.2
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	-2.8	-9.3	3.0	0.2	1.3	2.6	-4.4	3.5	-1.2	-0.3	1.1	-11.2	1.4	1.9
17091	Pembuatan sampul surat dan kad surat	3.1	-5.4	-7.6	0.6	3.8	3.6	0.9	-1.5	0.3	2.1	3.4	-1.7	-9.5	-0.4
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	1.5	-5.1	2.6	1.1	1.4	1.4	-3.1	2.2	2.9	0.03	0.6	-8.6	1.4	7.3
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	2.4	-6.9	-3.4	1.1	-3.3	-13.9	5.3	3.7	-3.5	2.2	12.5	-10.3	-7.3	0.8
	Industri lain	5.9	-10.2	3.6	10.4	18.6	1.4	-3.4	5.9	0.4	3.5	-4.7	-8.2	-1.0	1.5
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	7.3	-8.0	-2.9	1.5	5.8	-1.9	-7.7	6.2	3.2	-6.3	1.8	-8.4	2.5	-0.7
18110	Percetakan	8.2	-7.4	-3.1	1.5	5.2	-0.6	-8.0	6.2	2.3	-5.6	2.6	-8.7	2.3	0.2
18120	Aktiviti perkhidmatan berkaitan percetakan	3.0	-11.0	-1.7	1.1	9.0	-8.4	-6.0	6.4	7.6	-9.4	-2.3	-6.9	3.6	-5.4
	&														
18200	Penerbitan semula media rakaman														
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	-2.0	-23.0	9.5	14.9	-0.03	-15.4	8.2	9.9	-10.3	-5.4	16.2	-29.2	-2.5	6.8
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	2.8	-26.7	1.4	0.5	5.2	-2.2	5.4	-2.8	-1.2	0.7	1.0	-29.0	0.8	5.5
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	3.2	-55.5	4.8	-1.7	14.3	1.0	2.7	2.9	0.9	0.6	1.4	-56.5	-0.7	4.7
20112	Pembuatan kimia organik asas	2.7	-8.0	-5.4	1.0	5.7	-2.4	9.5	-4.3	-1.5	-0.3	-1.0	-9.6	0.7	6.1
20113	Pembuatan sebatian bukan organik														
20121	Pembuatan baja	2.1	-53.8	16.3	-7.0	10.5	-5.6	0.7	-9.8	3.5	2.7	6.0	-59.4	0.9	23.6
20129	Pembuatan produk campuran nitrogen														
20131	Pembuatan plastik dalam bentuk primer	3.9	-29.1	8.7	2.3	0.03	-1.6	1.9	1.3	-4.3	1.5	1.3	-30.6	1.7	-1.3
	Industri lain	-4.3	-9.8	-2.0	9.4	4.9	1.7	-3.8	0.8	-2.4	-3.9	-4.7	-3.1	-1.8	-4.3
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	8.0	-4.0	6.1	4.6	4.5	-8.2	-4.8	8.6	-0.6	-2.2	3.0	-5.6	-2.8	7.3
20210	Pembuatan racun perosak dan produk agrokimia lain	5.3	7.5	6.0	-2.3	34.1	-3.4	-2.2	-4.8	3.3	-3.9	12.8	8.2	-11.4	2.3
20221	Pembuatan cat, varnis dan penyadur dan mastik	-7.1	-6.7	3.0	2.2	8.6	-10.6	0.3	5.8	-20.8	0.1	-0.4	-4.9	-2.3	-0.4
20222	Pembuatan dakwat cetak	10.1	20.3	-2.7	3.8	0.2	-12.6	-6.7	2.7	1.9	2.5	14.7	20.7	-16.0	3.7
20231	Pembuatan sabun dan bahan pencuci, penyediaan														
20232	membersih dan mengilat	12.7	-19.6	14.5	8.1	2.2	-13.2	-6.1	4.8	1.6	-3.9	-5.3	-19.3	0.2	13.8
20232	Pembuatan pewangi dan penyediaan dandanan diri														
20291	Pembuatan plat fotografi, filem, sensitized paper dan other														
20292	sensitized unexposed materials														
20292	Pembuatan dakwat menulis dan melukis	10.7	7.7	2.8	3.7	0.6	-0.9	-5.7	20.5	7.7	-1.5	10.7	-2.3	2.2	6.5
20299	Pembuatan produk kimia lain t.t.t.l.														
	Industri lain	-4.7	3.1	-6.5	0.5	2.0	2.2	-4.1	-0.3	1.5	-9.1	1.3	2.5	1.7	5.4
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	-4.2	8.7	2.5	4.8	-1.9	8.9	1.7	3.0	-11.6	-0.5	-1.0	12.2	-4.4	2.0
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	-4.0	8.3	2.2	4.9	-2.6	8.7	-0.7	6.1	-11.9	0.02	-1.6	12.5	-4.6	1.1
	Industri lain	-5.2	10.3	4.1	4.3	1.2	9.8	11.3	-8.2	-10.1	-2.5	1.5	10.8	-3.6	5.7
221	Pembuatan produk getah	-2.2	10.9	2.4	0.7	-6.2	15.3	4.9	-9.9	-4.0	-4.3	3.2	3.7	7.5	3.5
22111	Pembuatan tayar getah untuk kenderaan	-6.7	-3.8	3.1	-6.1	-7.9	17.7	-1.4	-5.8	-6.1	-2.0	-3.5	0.6	-3.0	2.0
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	5.2	5.6	7.2	0.1	5.1	7.2	-4.2	3.4	7.2	-2.0	3.5	1.9	2.1	1.5
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	-5.9	7.9	11.0	0.3	4.5	5.1	1.4	-6.8	0.4	-10.6	-1.3	14.5	-6.6	10.6
22193	Pengilangan semula getah dan prosesan susu getah														
22192	Pembuatan sarung tangan getah	-2.4	22.5	-1.2	1.7	-12.9	32.4	11.2	-15.8	-7.2	-1.8	6.6	6.9	14.4	2.6
22199	Pembuatan produk getah lain yang t.t.t.l.	2.8	-3.9	4.9	1.7	1.9	-13.0	-7.7	6.0	-0.4	-6.3	2.5	-8.5	7.4	2.2
222	Pembuatan produk plastik	-5.4	10.5	5.0	-0.5	0.3	6.3	-6.3	0.8	-4.6	0.4	1.9	2.5	8.1	2.8
22201	Pembuatan produk plastik separa siap														
22202	Pembuatan produk plastik siap	-1.8	11.5	1.6	0.7	-4.7	7.6	-6.8	0.9	-7.0	10.2	3.5	3.0	3.2	1.6
22203	Pembuatan artikel plastik untuk pembungkusan barangan	-5.0	13.2	5.4	-3.3	2.9	14.0	-7.2	0.8	-1.4	-7.0	-2.9	4.0	20.5	0.4
22204	Pembuatan barangan plastik jurubina	3.3	-1.9	4.2	1.8	5.3	1.4	-15.7	7.4	5.7	-3.1	-4.0	-4.7	8.8	2.9
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	8.4	18.7	11.4	-3.3	4.9	1.5	-1.3	2.1	4.6	-0.6	8.8	3.8	7.8	8.5
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-11.4	7.1	7.1	0.5	3.1	2.1	-6.1	0.1	-5.9	-4.3	1.8	1.1	6.9	4.6
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	-2.8	-6.8	-4.9	0.8	8.7	6.4	-1.9	13.4	-3.5	-2.3	-9.4	-3.6	7.8	-2.6

2020						2021												Group Description/Period					
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.						
2.9	-2.3	1.0	-2.6	-1.6	2.7	3.8	-3.1	0.9	-0.8	0.1	-3.1	4.0	1.8	6.5	0.4	0.7	2.0	Manufacture of products of wood, cork, straw and plaiting materials					
1.3	-4.3	0.3	-4.0	-1.5	1.6	-0.7	-1.6	0.4	-3.1	1.3	-2.1	6.1	2.8	11.6	-0.3	-0.1	3.7	Manufacture of veneer sheets and plywood					
2.1	-1.1	5.8	-4.0	0.4	3.1	2.6	-3.6	2.4	-1.8	8.2	-2.6	-2.2	1.6	7.7	1.4	7.6	-0.2	Manufacture of particle board and fibreboard					
10.1	-0.02	0.5	1.0	-6.8	4.9	11.5	-0.5	0.2	3.8	-3.8	-5.6	5.0	-1.3	0.2	0.8	-3.6	3.1	Manufacture of builders' carpentry					
0.5	0.6	0.6	-1.2	3.1	3.1	8.5	-9.8	2.4	0.2	-3.5	-3.0	2.1	3.2	-1.2	1.1	3.4	-2.7	Other industry					
-1.0	-0.2	2.0	-0.02	-1.1	1.5	0.2	0.2	2.6	-0.8	-2.5	0.0	-2.5	1.1	3.8	0.9	1.1	0.2	Manufacture of paper and paper products					
-1.9	-1.6	0.5	-1.8	-0.1	-3.7	-0.5	0.8	1.1	-3.2	3.9	1.4	1.1	-1.4	5.4	7.2	4.5	-5.3	Manufacture of pulp, paper and paperboard					
1.0	-0.7	2.1	-0.1	-1.8	1.0	-0.2	-1.1	6.5	-1.5	-0.1	0.9	-8.8	5.0	2.5	0.2	0.3	-0.3	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard					
-3.4	-0.4	-1.4	0.5	1.5	0.8	-0.8	5.8	-0.8	-0.5	4.2	-0.4	0.8	-1.3	-0.6	-0.8	0.4	-0.3	Manufacture of envelopes and letter-card					
-4.4	1.6	2.7	0.5	-2.6	0.1	2.6	-0.3	-0.5	10.2	-13.3	4.6	-1.3	-2.7	5.9	-0.3	-0.6	-0.04	Manufacture of household and personal hygiene paper					
-2.4	0.1	2.7	-0.6	-0.6	1.0	-2.7	-1.8	0.3	-9.2	-5.2	-4.1	9.3	-2.5	7.8	-0.9	0.3	0.5	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper					
2.1	0.1	2.2	2.9	1.1	14.7	3.4	7.0	-0.3	0.2	1.9	-6.1	-1.0	2.0	-0.8	0.2	3.3	9.9	Other industry					
-1.4	-0.1	-5.4	-0.4	2.5	11.9	-0.3	-4.4	2.3	-1.6	1.8	-4.3	-3.9	0.4	-5.8	3.0	4.4	12.4	Printing, service activities related to printing and reproduction of recorded media					
-1.8	-0.3	-6.0	0.1	2.7	12.0	-0.6	-5.1	2.6	-0.9	2.5	-4.0	-4.2	-0.01	-6.4	3.2	4.8	12.8	Printing					
0.8	1.3	-2.2	-2.8	1.7	11.7	1.3	-0.9	0.5	-5.3	-2.0	-5.8	-2.1	2.4	-2.8	2.2	2.7	10.3	Service activities related to printing					
																		Reproduction of recorded media					
1.3	-0.7	14.8	3.2	-4.4	15.3	-10.6	-2.9	16.6	-24.9	-0.8	10.5	-2.6	-0.6	14.3	-0.6	-4.8	15.1	Manufacture of refined petroleum products					
-2.4	-1.3	2.8	-4.1	1.3	7.2	-2.2	1.5	4.0	-5.8	-4.6	11.9	-0.2	-0.4	-0.1	-3.5	-2.1	7.2	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms					
1.8	-0.3	0.8	1.4	-4.2	-2.2	18.5	-1.8	1.8	-0.2	-2.4	6.8	-1.6	2.4	-2.5	0.5	4.8	0.1	Manufacture of liquefied or compressed inorganic industrial or medical gases					
																		Manufacture of basic organic chemicals					
-10.5	-1.8	8.0	-7.6	2.5	8.6	-2.2	1.8	1.1	-4.2	-8.5	20.5	0.2	-2.0	3.1	-5.7	-3.6	8.0	Manufacture of inorganic compounds					
																		Manufacture of fertilizers					
3.9	0.6	-9.2	-2.5	-1.6	8.2	-0.3	2.9	11.2	-14.7	-0.4	8.0	-2.0	2.3	-11.0	-2.8	-5.3	10.2	Manufacture of associated nitrogen products					
10.4	-2.0	0.2	-0.2	1.1	6.8	-7.3	0.7	7.4	-6.8	-0.3	2.3	0.7	0.2	-0.9	-0.7	0.2	7.0	Manufacture of plastics in primary forms					
-0.6	2.9	0.8	0.8	7.4	5.4	-4.3	5.1	0.3	0.8	-0.1	-2.3	-4.9	4.1	0.1	-0.3	-2.7	4.6	Other industry					
1.1	0.5	2.4	-2.4	1.8	12.1	-4.6	0.2	2.9	-8.2	-2.0	-1.9	-2.8	-1.9	3.5	1.3	2.0	11.9	Manufacture of other chemical products and man-made fibres					
9.9	-0.7	-1.7	-10.0	16.1	-1.9	33.9	-9.9	11.2	-6.1	0.4	-2.6	2.1	-5.8	3.9	-6.6	5.7	-6.8	Manufacture of pesticides and other agrochemical products					
3.5	-0.5	2.8	-0.9	-3.8	12.6	15.3	-18.7	2.9	-2.6	-2.9	-3.8	6.2	-5.6	5.1	0.3	1.0	10.1	Manufacture of paints, varnishes and similar coatings ink and					
0.02	0.9	0.9	0.4	-0.4	8.2	-7.6	-1.4	12.2	-10.4	-12.3	-2.9	0.2	-1.0	0.3	-0.4	3.5	2.9	Manufacture of printing ink					
2.1	1.5	6.1	-4.2	4.3	14.8	-12.5	7.6	0.8	-15.8	1.4	-2.7	-5.4	-2.3	6.8	-4.6	0.1	18.1	Manufacture of soap and detergents, cleaning and polishing preparations					
																		Manufacture of perfumes and toilet preparations					
																		Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials					
-1.9	-0.1	-0.1	-0.02	-1.2	14.2	-10.4	5.0	-0.05	-0.9	-2.5	0.2	-5.9	1.0	0.8	11.6	2.8	15.1	Manufacture of writing and drawing ink					
																		Manufacture of other chemical products n.e.c.					
-8.0	-0.1	-7.2	-0.4	9.1	0.3	-0.5	-0.6	-0.5	-0.4	6.8	-3.7	-4.7	3.9	-4.8	0.0	3.8	-2.4	Other industry					
1.5	2.3	-0.8	0.3	-1.1	15.0	-10.1	0.2	-0.4	12.6	-4.7	0.2	1.5	3.4	-1.7	1.7	-5.6	15.9	Manufacture of pharmaceuticals, medicinal chemical and botanical products					
1.9	2.0	-0.7	1.6	-2.8	15.3	-10.3	-0.004	-0.4	12.5	-5.3	1.3	-2.1	4.5	-1.6	3.5	-5.7	18.6	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments					
-0.3	3.5	-1.1	-5.0	6.7	13.7	-9.1	0.8	-0.6	13.3	-2.3	-4.4	16.7	-0.3	-2.2	-5.1	-5.1	5.4	Other industry					
-3.1	1.2	0.3	-1.2	-1.2	6.4	-6.1	-6.6	2.0	2.8	10.5	17.0	-5.8	-0.9	-5.5	-3.6	-6.0	4.5	Manufacture of rubber products					
3.1	2.0	-4.8	-0.7	-1.1	-6.4	-1.0	-12.1	19.3	0.1	15.5	-2.5	-0.8	-4.3	-1.8	-2.4	-2.9	3.5	Manufacture of rubber tyres for vehicles					
3.1	0.4	5.9	-3.9	0.8	-0.9	3.0	-7.6	24.3	-0.4	-1.9	-8.3	-1.8	3.8	4.8	1.9	-2.6	-3.5	Manufacture of interchangeable tyre treads and retreading rubber tyres					
1.4	2.6	9.1	-7.7	0.7	3.8	-0.3	0.5	5.2	0.4	2.5	-1.7	1.4	-0.2	1.6	-8.0	-4.1	9.8	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened					
																		Rubber remilling and latex processing					
-6.9	1.0	-2.0	1.8	-2.4	7.8	-11.0	-8.5	-1.7	5.2	26.5	32.1	-9.2	-0.7	-10.0	-3.9	-9.2	1.5	Manufacture of rubber gloves					
0.5	0.3	1.1	-3.0	0.4	11.2	-1.2	-5.6	-0.7	1.2	-18.2	0.8	-1.5	-0.7	2.0	0.6	1.2	10.6	Manufacture of other rubber products n.e.c.					
-2.0	3.8	0.04	-0.8	-1.5	0.4	-1.5	0.4	5.5	3.3	2.3	-6.7	-4.2	2.5	-0.03	0.3	-0.8	0.8	Manufacture of plastics products					
																		Manufacture of semi-manufactures of plastic products					
-5.2	7.5	0.2	0.9	-2.5	-3.2	-5.4	4.7	1.8	5.1	4.9	-10.4	-4.9	6.5	-1.1	0.2	0.7	-3.2	Manufacture of finished plastic products					
-1.6	1.0	0.3	-4.1	0.1	0.7	0.0	-6.6	21.6	3.5	1.3	-4.9	-4.8	1.6	-1.6	0.9	-1.0	3.2	Manufacture of plastic articles for the packing of goods					
0.01	-1.4	1.2	0.4	1.2	0.8	4.1	-3.8	8.7	0.5	0.5	-10.6	-8.9	-2.6	4.5	1.2	2.7	6.3	Manufacture of builders' plastics ware					
2.7	0.2	0.6	-5.0	-0.1	4.2	0.3	0.2	5.0	-1.2	1.9	-5.5	-3.7	8.3	0.9	0.6	-5.1	5.4	Manufacture of plastic tableware, kitchenware and toilet articles					
0.2	2.7	-0.5	0.1	-1.9	3.3	0.9	0.5	0.8	2.4	0.5	-4.1	-3.0	-1.7	1.7	-0.2	-1.4	2.3	Manufacture of diverse plastic products n.e.c.					
-1.1	-6.0	-1.6	0.2	2.0	7.2	2.5	0.1	1.8	2.7	4.6	-2.0	-2.6	-6.4	15.8	3.4	-1.8	9.5	Manufacture of glass and glass products					

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021									
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	0.8	-7.4	1.9	3.2	-1.0	-0.2	-3.3	4.4	-1.4	-0.3	0.7	-11.0	4.2	2.3
23911 & 23921	Pembuatan mortar refraktori dan konkrit	5.7	-13.5	2.7	0.1	-6.0	-1.0	-1.5	-8.0	2.9	-1.1	-4.7	-13.0	5.8	-2.5
23930	Pembuatan produk porselin dan seramik lain	-0.9	-4.7	8.6	5.0	-1.9	-7.3	-1.8	6.0	-5.7	8.7	-1.1	-8.2	1.7	1.9
23941	Pembuatan simen hidrolik	1.7	-1.6	-13.7	4.2	0.05	6.0	-11.0	3.8	-8.4	-3.2	11.9	-17.9	18.2	0.8
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	0.4	-10.4	5.4	-0.4	2.7	0.8	-1.6	4.6	-0.8	0.01	5.3	-19.2	11.7	-1.7
23952 & 23953	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;														
& 23959	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	4.1	-2.5	3.8	5.4	-1.3	-1.6	-2.4	3.5	4.7	3.3	-5.1	-1.0	0.8	1.2
23990	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.														
	Pembuatan produk mineral bukan logam lain t.t.t.l.	-6.7	-11.1	-7.0	5.3	-2.0	-4.5	0.001	14.9	-10.4	-5.8	0.8	-10.4	-5.9	15.0
	Industri lain	-2.5	-11.2	13.9	1.8	0.1	8.7	-9.1	5.8	-2.4	-4.3	11.1	-19.7	5.3	3.6
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	-2.9	-11.0	0.2	3.3	5.0	-8.5	-2.8	12.8	-5.4	-1.8	-8.6	-9.3	7.7	-0.6
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	0.8	-14.6	-0.01	5.9	4.3	-0.6	-3.1	8.2	-5.3	0.1	8.5	-19.5	-0.6	3.0
243	Pengacuan logam	-7.0	-15.7	13.5	0.9	3.1	-5.6	-1.1	5.9	-1.9	-5.5	-9.5	-10.1	4.8	-2.2
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	-1.1	-6.8	8.5	1.0	-0.3	-7.0	-0.3	5.2	-0.7	1.6	-4.2	-10.0	8.0	1.9
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	-1.5	-9.8	13.3	0.1	-5.9	-9.9	-4.1	4.6	-0.9	1.0	-5.8	-14.7	11.8	4.9
25120	Pembuatan produk struktur logam lain														
	Pembuatan tangki, takungan dan kontena daripada logam	-1.1	0.01	6.1	4.7	4.8	-1.9	10.0	6.5	-1.3	3.7	-1.8	-2.6	2.7	2.6
	Industri lain	0.5	-7.4	-7.6	-3.5	16.5	-6.4	-10.4	3.6	1.4	0.5	-1.5	-5.0	4.0	-12.6
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	2.4	-4.5	4.8	4.5	2.1	-5.6	0.3	9.8	-1.4	0.5	-3.7	-4.9	3.6	1.0
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	3.1	2.1	5.9	2.6	3.2	-2.7	-0.9	5.2	-4.7	2.7	-2.4	-3.2	7.7	3.0
25920	Rawatan dan penyalutan logam; menggunakan mesin	7.4	-1.7	11.1	10.0	5.1	-3.5	-8.1	10.1	-2.5	0.03	-1.6	-8.1	10.2	3.4
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	4.5	-1.3	0.9	9.8	-3.8	-9.8	4.6	18.9	2.8	0.7	-0.2	-4.5	6.2	-2.3
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	-1.9	-10.8	4.2	3.3	5.2	-8.4	10.1	18.9	-1.7	-0.6	-3.4	-11.4	4.9	-0.2
25994	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	-1.6	-14.0	-0.2	-2.5	6.8	-3.1	-11.6	-3.3	0.1	-0.6	-10.8	-6.6	-0.2	-0.2
25999	Pembuatan barangan rumah daripada logam	4.8	-6.4	2.9	2.8	4.4	-4.0	-3.0	3.6	-0.3	0.5	-5.2	-8.3	7.7	1.5
	Pembuatan produk lain yang direka daripada logam t.t.t.l.														
	Industri lain	-2.1	-1.1	7.3	3.8	-13.0	-8.3	-0.7	1.9	-0.2	-0.4	-9.0	27.3	-25.5	-0.1
261	Pembuatan komponen dan papan elektronik	7.6	-13.6	1.3	6.3	7.2	-3.2	-4.8	9.1	-0.8	0.8	-6.6	-10.6	0.8	1.1
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	9.6	-19.7	-2.0	8.3	7.7	0.2	-4.0	6.9	-2.8	1.1	-6.2	-13.6	-5.4	0.7
26103 & 26104	Pembuatan litar elektronik bersepadu dengan pemasangan mikro														
& 26105	Pembuatan kapasitor dan perintang elektrik	4.4	-0.9	7.9	3.4	8.1	-9.5	-6.2	14.8	6.2	-0.3	-8.2	-4.2	13.7	1.7
26109	Pembuatan papan litar bercetak														
	Pembuatan komponen paparan	-3.0	7.8	3.2	1.0	-6.0	-8.2	-7.9	4.4	-9.8	3.6	-2.8	-0.01	11.9	1.9
	Pembuatan komponen lain untuk aplikasi elektronik														
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	11.8	-9.7	-1.4	10.1	7.1	-6.7	3.5	8.5	6.9	-3.5	5.9	-9.0	-3.4	-3.4
263/ 26300	Pembuatan peralatan komunikasi	6.6	-19.2	-7.6	-4.1	-1.5	12.5	-6.9	14.3	8.2	2.7	-0.01	-3.6	-27.1	4.7
264/ 26400	Pembuatan peralatan elektronik pengguna	-3.0	-2.4	3.6	3.6	-9.2	-3.2	1.1	13.7	-1.4	-2.6	0.3	-3.8	1.4	3.5
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	-3.4	-7.7	-3.8	8.9	-0.3	-1.9	2.9	13.7	-8.9	-3.8	-8.0	-1.6	2.1	-2.2
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	-3.7	-7.9	-4.0	9.8	0.5	-2.4	3.4	13.9	-10.5	-3.7	-8.2	-0.7	0.8	-2.7
26520	Pembuatan kelengkapan kawalan proses perindustrian														
	Pembuatan jam tangan dan jam dan bahagiannya	-1.6	-5.9	-1.8	1.3	-7.4	2.9	-1.1	11.8	7.0	-4.6	-6.2	-9.4	14.3	1.7
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-4.2	-2.9	0.1	-14.1	20.4	15.0	-1.1	-7.8	-1.3	0.6	-2.2	-3.0	-1.2	6.4

2020						2021												Group Description/Period					
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.						
-0.9	-0.6	0.8	0.1	4.2	0.05	-1.8	-2.6	3.6	-0.3	1.1	-6.1	-0.3	0.4	1.8	0.3	2.5	2.8	Manufacture of non-metallic mineral products					
Manufacture of refractory mortars and concretes																							
-0.01	2.0	3.7	-3.7	1.2	0.0	-2.2	-8.9	5.4	0.6	0.0	-5.9	2.0	0.6	0.7	-0.05	-14.8	4.9	Manufacture of non-refractory ceramic					
4.7	-0.8	7.3	-4.3	9.4	-3.5	5.0	-11.7	2.4	-8.8	9.0	-4.1	-5.3	4.2	2.5	1.8	-2.7	8.8	Manufacture of other porcelain and ceramic products					
-16.7	0.3	-7.3	0.7	3.0	19.6	-11.0	-5.2	8.3	5.0	-0.5	-6.6	-7.2	-0.5	2.7	0.03	0.2	5.8	Manufacture of hydraulic cement					
2.6	0.02	0.8	-2.5	1.2	2.5	0.5	-3.6	8.1	-4.4	3.3	-2.3	-0.4	-1.7	1.1	-0.1	2.6	8.2	Manufacture of ready-mix and dry-mix concrete and mortars					
Manufacture of precast concrete, cement or artificial stone articles for use in construction																							
2.9	-0.7	0.8	2.1	9.4	-8.9	0.4	2.5	-0.1	-0.5	2.0	-9.5	3.6	-0.5	1.2	-0.2	9.3	-8.9	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone					
Manufacture of other articles of concrete, cement and plaster n.e.c.																							
-11.8	-5.1	5.0	1.4	-1.5	10.0	-5.3	-3.0	-0.9	-7.8	9.5	-2.7	-4.3	2.6	4.6	2.2	2.0	20.0	Manufacture of other non-metallic mineral products n.e.c.					
9.9	1.6	-4.2	2.3	1.2	3.5	-2.9	-4.2	9.9	16.9	-14.3	-6.5	-2.7	3.8	2.0	0.3	1.4	5.7	Other industry					
-2.7	1.5	-0.01	-0.6	-0.1	10.5	-0.2	-3.0	1.8	-5.5	-4.1	-2.0	-4.4	2.0	9.4	-0.1	2.1	13.1	Manufacture of basic iron and steel					
-2.1	0.4	0.3	1.2	-1.3	15.4	-4.8	-1.7	4.1	-4.6	5.0	-3.6	-3.3	-1.1	5.6	2.8	-1.8	9.7	Manufacture of basic precious and other non-ferrous metals					
12.5	0.8	1.2	-0.9	-1.6	5.6	-1.4	-0.02	4.3	-6.5	-0.6	-4.4	-1.4	2.7	5.2	0.7	-0.01	2.5	Casting of metals					
4.7	-0.2	-0.2	-1.2	3.5	0.1	-0.6	-1.5	0.4	-3.9	-0.4	-8.1	5.6	-2.9	6.3	1.3	0.3	1.6	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition					
Manufacture of metal doors, windows and their frames, shutters and gates																							
6.4	-0.1	-1.0	-0.9	2.2	0.4	-3.1	-5.8	0.1	-3.1	-1.2	-13.1	5.4	-1.7	5.2	0.6	0.2	3.1	Manufacture of other structural metal products					
Manufacture of tanks, reservoirs and containers of metal																							
3.0	-0.1	1.4	-0.5	7.0	-1.0	-1.0	6.5	-0.2	-4.9	1.7	0.2	9.7	-4.3	7.8	2.5	0.6	-0.4	Other industry					
0.8	-1.2	-0.2	-4.5	1.6	1.7	14.1	-0.8	3.1	-4.3	-2.3	-7.2	-4.6	-3.7	6.5	0.6	-0.4	1.0	Other industry					
2.9	-0.3	0.4	0.9	1.2	7.8	-0.7	-2.2	-3.1	-2.7	1.1	-2.4	-1.9	1.1	8.6	0.6	1.0	7.0	Manufacture of other fabricated metal products; metal working service activities					
0.7	0.6	0.9	-2.3	-0.2	13.0	-0.4	-5.5	-1.8	0.1	1.1	-1.2	-1.2	0.7	0.8	0.7	-0.3	11.6	Forging, pressing, stamping and roll-forming of metal; powder metallurgy					
6.0	-0.9	0.01	1.7	6.9	11.2	-3.7	1.1	-3.0	-3.7	4.2	-2.6	-7.9	-0.9	2.3	1.9	3.7	12.4	Treatment and coating of metals; machining					
-0.4	1.3	0.4	-1.0	15.0	0.3	-4.1	-0.2	-12.3	0.3	-2.5	0.2	-2.4	5.4	12.2	1.7	8.7	2.4	Manufacture of tins and cans for food products, collapsible tubes and boxes					
Manufacture of metal cable, plaited bands and similar articles																							
3.7	-1.4	-0.01	4.9	-5.2	7.5	1.1	2.0	-1.0	-10.0	3.5	-1.8	-0.9	1.2	30.6	-0.7	-0.2	2.4	Manufacture of bolts, screws, nuts and similar threaded products					
1.0	-0.8	-1.3	-3.3	6.5	-6.4	6.3	3.9	0.9	-0.3	-0.1	-13.4	1.6	-3.9	-4.6	-0.2	1.1	2.0	Manufacture of metal household articles					
Manufacture of any other fabricated metal products n.e.c.																							
-0.3	-0.6	0.6	0.5	-0.5	7.4	1.5	-1.1	-2.8	-0.04	-0.6	-3.9	-1.9	2.2	0.9	0.4	-1.4	8.6	Other industry					
18.9	0.5	1.0	1.6	-1.1	6.4	-4.3	-18.6	0.0	0.1	-0.9	-2.7	4.4	-3.4	-1.6	1.6	0.7	6.4	Other industry					
-1.7	0.6	4.9	-0.4	-1.5	12.9	-2.2	6.8	-7.9	-0.5	0.03	1.7	-6.3	0.1	1.3	1.9	1.3	15.4	Manufacture of electronic components and boards					
Manufacture of diodes, transistors and similar semiconductor devices																							
-3.5	1.2	6.5	0.3	-1.0	11.8	-2.0	6.2	-4.5	-1.0	0.1	6.9	-9.5	2.5	-0.6	0.3	1.7	14.8	Manufacture of electronic integrated circuits micro assemblies					
Manufacture of electrical capacitors and resistors																							
1.9	-0.3	2.3	-1.6	-2.7	16.6	-2.1	9.4	-14.9	0.8	-0.2	-7.8	0.9	-5.0	5.2	5.8	0.8	18.2	Manufacture of printed circuit boards					
-1.8	-1.0	2.6	-1.5	-0.2	3.6	-4.5	-3.6	-4.2	-1.1	-0.04	-9.9	-2.1	-1.4	5.7	0.3	-0.6	3.8	Manufacture of display components					
Manufacture of other components for electronic applications																							
4.2	0.5	-7.2	9.5	-2.1	21.3	-2.7	-3.4	0.5	-6.0	-0.1	0.5	-4.2	4.2	14.0	0.2	-10.9	18.2	Manufacture of computers and peripheral equipment					
0.8	-1.2	1.9	-0.3	-0.3	-13.4	12.4	-9.4	10.3	19.5	-15.8	6.5	-8.5	4.4	2.1	0.5	17.9	-3.2	Manufacture of communication equipment					
-0.6	0.5	3.4	0.7	-3.6	8.9	-1.9	-19.2	5.0	1.9	0.3	-3.2	-5.9	10.1	8.0	4.9	-2.1	4.1	Manufacture of consumer electronics					
-2.9	-0.1	-0.2	4.7	-1.0	14.6	-5.9	-5.7	3.1	-0.3	0.2	-5.3	2.4	5.5	1.7	0.6	6.7	15.3	Manufacture of measuring, testing, navigating and control equipment; watches and clocks					
Manufacture of measuring, testing, navigating and control equipment																							
-2.5	-0.01	-0.04	5.4	-1.0	14.7	-4.7	-6.6	3.6	-0.5	0.1	-5.9	2.9	6.0	1.8	0.7	6.5	15.1	Manufacture of industrial process control equipment					
-6.1	-0.7	-1.4	-1.2	-0.8	13.0	-16.6	4.5	-0.9	1.0	1.4	0.2	-2.3	0.6	0.8	-0.7	8.4	17.2	Manufacture of watches and clocks and parts					
Manufacture of irradiation, electromedical and electrotherapeutic equipment																							
-3.6	0.1	-0.2	-11.0	-0.05	-10.2	18.1	5.0	18.1	-1.3	0.6	7.9	-3.8	-2.4	-2.2	-0.4	0.9	-17.4						

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021									
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	8.9	-3.7	-1.5	3.0	5.1	-7.8	-2.7	9.6	3.1	4.4	-2.0	-13.8	17.1	0.8
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	4.3	-8.5	4.3	5.0	-0.6	-13.2	9.3	7.6	-0.7	-0.6	-7.9	-9.1	9.4	0.8
27101	Pembuatan motor elektrik, penjana dan transformer	4.8	-15.3	5.4	-0.2	-6.7	8.6	9.9	2.0	9.9	-1.0	-15.1	-12.7	12.0	2.5
27102	Pembuatan perkakasan pengagihan dan pengawalan	4.0	-4.7	3.8	7.6	2.1	-22.3	9.0	10.9	-5.9	-0.3	-3.7	-7.2	8.2	0.01
272/ 27200	Pembuatan bateri dan akumulator	-1.3	2.9	5.3	0.1	-11.3	8.3	14.1	-3.2	2.6	-0.9	-6.6	-1.1	13.1	1.4
273	Pembuatan pendawaian dan peranti pendawaian	2.5	-12.3	10.3	7.5	3.0	-2.0	4.2	9.1	-5.1	2.9	-5.9	-19.0	14.6	4.9
27310	Pembuatan kabel gentian optikal	-7.4	-1.4	2.4	0.8	-31.3	11.8	30.0	45.3	-10.8	-0.7	-6.6	-7.3	15.0	4.2
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	3.7	-13.4	11.3	8.6	5.8	-2.8	2.3	6.8	-4.4	3.3	-6.1	-19.9	14.4	4.9
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-2.0	-7.7	5.8	-3.4	2.4	1.8	11.7	-1.8	-8.1	0.9	1.0	-19.9	16.4	8.1
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-1.1	2.5	-3.2	0.8	21.5	12.7	16.3	1.0	1.0	-7.8	-1.5	2.4	12.0	-10.8
275/ 27500	Pembuatan perkakasan domestik	8.6	-4.7	10.9	1.0	-0.3	-17.9	-13.9	-9.2	1.9	0.5	-8.0	-12.3	14.3	14.0
279/ 27900	Pembuatan kelengkapan elektrik lain	-1.7	0.3	2.9	4.3	-5.3	2.5	2.0	13.9	-2.1	3.4	-2.2	0.3	0.6	-0.1
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-1.2	-7.6	4.8	6.1	1.6	-6.4	-0.7	7.8	-3.2	-0.05	-8.0	-5.2	2.1	5.0
28120 & 28130	Pembuatan alat-alat kuasa bendalir	-11.7	0.3	0.5	18.6	-9.8	-6.8	-0.1	11.2	-28.9	41.7	-3.4	-10.1	3.4	1.6
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	0.9	-5.3	18.5	7.7	4.6	-9.2	3.0	13.3	2.0	-4.7	-3.3	-3.0	-1.1	6.6
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	12.8	3.4	-0.8	-1.3	-0.2	-4.0	4.4	-1.2	7.7	-0.1	-2.6	-6.0	7.3	20.0
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-8.4	-29.6	9.7	7.4	5.3	-5.4	-6.0	11.5	-0.9	3.8	-31.5	-0.7	-12.1	-2.1
		-1.6	-6.2	1.0	5.6	2.2	-6.1	-2.9	6.8	-5.0	-5.2	-3.2	-6.0	5.5	0.8
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-4.4	-18.5	8.2	-0.6	1.8	1.5	-3.7	14.2	-9.7	0.5	-3.3	-18.7	-3.5	14.3
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	-2.1	-15.0	-1.7	3.1	4.4	7.3	-0.02	6.0	-1.3	-0.3	-2.0	-15.7	0.9	5.0
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	4.7	-13.2	-0.1	10.2	-1.7	-2.9	-8.6	8.8	-3.3	3.0	-7.3	-6.1	-7.2	3.6
301 (30110 & 30120)	Pembinaan kapal dan bot	0.4	-10.8	4.7	-0.8	8.4	-10.3	-8.6	2.7	5.1	-3.1	-7.9	-8.5	4.2	3.8
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	-0.4	-21.9	0.6	3.7	7.5	-1.5	-5.4	5.2	-2.2	3.2	-1.9	-21.1	-0.9	-0.4
30910	Pembuatan motosikal	1.8	-18.5	-0.01	3.2	13.5	1.7	-4.9	7.8	-0.1	3.9	-2.0	-15.4	-4.4	-1.9
30920	Pembuatan basikal dan invalid carriages	-2.6	-10.3	12.5	3.4	1.2	-7.9	-7.7	-4.3	-5.8	9.8	-9.0	-21.8	25.6	3.3
	Industri lain	-2.9	-32.7	-5.4	5.0	-0.3	-4.2	-4.9	5.2	-3.7	-0.9	1.8	-30.2	-6.9	0.2
310	Pembuatan perabot	0.3	-7.4	9.7	0.8	0.9	-6.3	1.4	9.7	0.8	-0.7	-3.3	-11.7	8.7	4.6
31001	Pembuatan perabot kayu dan rotan	1.0	-5.0	9.6	2.2	-0.5	-6.3	3.2	11.2	1.7	-0.9	-2.1	-9.5	6.9	5.9
	Industri lain	-1.4	-14.0	10.1	-3.2	5.4	-6.2	-4.1	4.6	-1.6	0.002	-6.7	-18.0	14.4	0.7
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	-0.2	-8.6	9.2	6.5	2.1	-9.1	-4.8	16.6	-4.0	0.03	-1.6	-11.4	4.9	3.0
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	1.3	-1.9	0.9	5.7	5.3	-3.2	-0.3	3.8	-0.5	0.1	-4.4	-4.3	8.1	0.6
32901	Pembuatan alat tulis	-5.6	-10.7	-7.3	1.7	5.5	-1.4	0.3	4.2	-11.1	-1.2	-13.4	-7.2	15.3	-9.2
	Industri lain	3.8	1.1	3.3	6.8	5.2	-3.6	-0.4	3.7	4.0	0.6	-1.1	-3.4	6.0	3.8
323/ 32300	Pembuatan barangan sukan	-5.2	-9.0	12.7	3.2	5.2	-7.2	-0.3	6.4	-3.6	0.4	-8.8	-7.3	0.2	12.4
324/ 32400	Pembuatan permainan dan mainan	-11.3	-0.1	2.1	-7.1	-23.3	7.2	43.5	18.7	-31.2	3.5	2.9	7.7	-24.8	25.9
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-2.7	-11.6	-1.0	7.7	2.0	-4.0	-3.5	10.8	0.2	-1.5	-4.3	-3.5	-7.5	-0.5
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	3.1	-4.9	-10.3	5.0	3.1	-8.3	-2.0	4.5	4.8	-2.2	-1.8	18.5	-25.9	-3.5
	Industri lain	-4.3	-13.6	2.0	8.4	1.7	-2.8	-4.0	12.6	-1.1	-1.3	-5.0	-10.2	-0.1	0.5
Jumlah Pembuatan		1.3	-8.0	2.5	3.4	2.0	-1.9	-1.2	5.8	-2.1	-0.7	-2.0	-8.5	2.1	2.1

2020						2021												Group Description/Period					
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.						
-8.2	-0.5	5.6	-2.9	-0.2	8.0	-0.4	-0.9	3.2	-8.2	-2.2	0.7	-5.5	3.3	3.1	-0.1	2.6	13.7	Manufacture of optical instruments, photographic equipment, magnetic and optical media					
-0.02	1.4	-0.3	0.4	0.4	12.3	-3.7	-3.2	-7.1	-15.7	12.1	3.6	-0.2	3.2	3.0	0.4	1.9	7.8	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus					
0.1	0.1	-0.7	-0.6	0.3	1.9	-1.8	-8.5	-1.9	5.2	7.2	8.6	-0.2	2.8	0.3	-0.2	-0.1	3.4	Manufacture of electric motors, generators and transformers					
-0.1	2.0	-0.1	0.8	0.5	17.3	-4.5	-1.0	-9.1	-24.7	15.1	0.8	-0.2	3.5	4.7	0.8	3.1	10.3	Manufacture of electricity distribution and control apparatus					
1.4	-0.9	-1.7	-0.3	3.0	-0.6	0.1	-17.8	-0.1	1.2	19.0	5.5	-0.1	9.7	-5.4	-0.2	-3.5	0.0	Manufacture of batteries and accumulators					
1.0	2.3	-0.4	3.1	-1.7	15.0	-2.6	0.4	-9.6	0.3	5.7	2.0	-1.9	1.8	5.2	1.7	-2.9	15.8	Manufacture of wiring and wiring devices					
-3.7	-0.3	-2.4	0.04	-2.9	14.0	-38.3	5.4	-1.1	-2.0	15.3	7.2	-3.8	5.0	57.7	-0.2	5.2	14.4	Manufacture of fibre optic cables					
1.5	3.0	-0.3	3.6	-1.8	15.9	0.1	0.01	-10.2	0.9	4.9	1.0	-1.7	1.7	2.1	1.9	-3.9	16.8	Manufacture of other electronic and electric wires and cables					
-0.3	-6.7	1.9	-2.6	1.8	-2.7	2.4	4.0	-4.1	-10.6	12.7	19.2	-2.6	0.004	-3.8	0.3	2.4	-3.4	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material					
1.4	0.3	-2.7	0.4	-0.2	7.0	22.1	-7.0	-0.4	3.7	6.2	21.3	-0.1	1.7	-0.7	-0.9	-1.6	8.8	Manufacture of electric lighting equipment					
-1.2	-1.6	0.1	-0.1	-0.3	5.6	-3.8	-0.01	0.1	-27.1	22.7	-6.4	-6.2	-9.0	-13.4	1.9	-0.9	6.9	Manufacture of domestic appliances					
2.2	0.6	0.4	3.8	-1.6	3.1	-3.0	-2.2	-7.0	9.9	0.2	-4.0	-0.4	3.8	7.6	-0.6	0.4	22.8	Manufacture of other electrical equipment					
0.7	-1.1	2.5	1.1	-0.4	11.6	-3.0	-0.01	-6.9	-0.8	-0.1	-2.5	-1.2	2.5	1.6	1.4	1.7	9.4	Manufacture of general-purpose and special-purpose machinery					
-2.7	-0.4	4.0	3.6	3.7	26.5	-23.1	-0.3	-0.1	-3.3	-4.6	-1.4	-0.2	3.4	1.0	-1.3	1.5	28.7	Manufacture of fluid power equipment					
																		Manufacture of other pumps, compressors, taps and valves					
																		Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives					
10.6	0.04	9.2	-3.5	-0.5	16.9	0.4	-2.5	-12.5	1.0	-0.9	-0.1	0.04	0.4	9.3	0.2	5.9	7.5	Manufacture of metal-forming machinery and machine tools					
-12.9	-1.0	-0.7	2.1	-6.9	6.7	-1.5	-0.6	-0.7	-8.8	9.0	-0.04	-4.0	12.2	-6.1	-0.6	1.2	-2.7	Manufacture of air-conditioning machines, including for motor vehicles					
16.7	-1.0	1.0	2.4	-0.8	15.4	-0.8	-0.5	-8.2	7.7	-9.1	-2.3	-1.4	-0.5	1.2	2.8	0.0	23.3	Manufacture of other special-purpose machinery					
-0.4	-1.8	0.9	2.2	1.6	6.7	-1.3	1.7	-7.2	-0.8	0.8	-4.7	-0.8	0.6	1.2	3.0	0.2	7.5	Other industry					
-5.4	9.2	-0.05	-10.1	1.6	18.8	-8.6	2.9	-8.4	8.0	0.3	-4.1	-3.8	2.2	4.2	3.6	3.4	12.4	Manufacture of motor vehicles					
-5.0	-1.8	3.4	-0.2	0.8	3.6	-2.9	0.4	13.5	-0.1	0.1	-4.0	-0.3	0.5	8.2	0.4	-1.1	2.6	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers					
-0.6	-0.6	3.2	3.1	2.5	9.4	-8.4	2.4	-3.5	4.7	-7.3	-2.9	-7.3	1.7	6.3	0.8	0.8	7.9	Manufacture of parts and accessories for motor vehicles					
2.4	-1.3	-2.1	-2.0	6.0	-2.5	-0.1	2.2	19.9	-16.0	-7.6	-2.3	-3.4	-2.2	0.8	0.6	1.6	3.7	Building of ships and boats					
1.0	-1.7	4.2	-0.1	2.0	0.9	3.8	2.3	2.4	-0.2	-0.8	-9.1	-0.4	-0.9	6.9	1.3	0.9	-2.6	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c					
0.6	0.2	6.6	-1.8	0.3	1.5	7.5	2.8	7.4	-0.2	-2.2	-6.7	0.6	-4.7	9.3	2.1	3.3	-2.9	Manufacture of motorcycles					
2.2	-0.7	2.9	-3.1	7.2	0.3	0.5	-1.1	-3.3	0.2	0.1	-17.3	-7.3	21.7	-2.9	-0.2	-8.9	-7.0	Manufacture of bicycles and invalid carriages					
1.0	-6.3	-0.004	6.0	1.9	0.1	-1.6	3.6	-4.8	-0.4	2.1	-9.4	1.7	-5.1	8.3	0.3	1.4	0.9	Other industry					
3.4	-0.2	1.1	0.1	-1.2	2.6	0.9	-0.5	-3.1	-3.3	1.1	-4.7	-1.2	1.0	14.4	-0.7	0.1	2.4	Manufacture of furniture					
3.1	-0.2	1.0	1.4	-1.1	2.6	-0.2	-0.5	-4.0	-3.4	1.5	-3.6	-0.9	0.6	17.0	-0.6	-0.4	3.4	Manufacture of wooden and cane furniture					
4.6	-0.1	1.4	-4.1	-1.3	2.7	4.5	-0.5	-0.3	-3.0	-0.2	-8.2	-2.0	2.5	6.2	-1.0	1.6	-1.1	Other industry					
5.2	-0.2	1.0	0.3	0.1	16.4	-5.2	-1.1	-5.1	-2.7	-1.6	-5.5	-1.3	-4.0	10.7	0.7	1.3	26.5	Manufacture of jewellery, bijouterie and related articles					
-1.1	-0.8	-1.4	4.6	0.9	5.2	1.2	1.4	-1.6	-2.4	-0.3	0.2	-0.4	-0.3	1.2	0.7	1.1	5.0	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.					
-3.7	-1.7	-2.5	2.4	0.5	3.8	2.8	-0.3	0.6	-0.3	0.5	-5.1	2.7	0.9	1.1	2.4	-0.2	2.4	Manufacture of stationery					
-0.3	-0.6	-1.1	5.2	1.0	5.5	0.7	1.8	-2.2	-2.9	-0.5	1.6	-1.3	-0.7	1.2	0.2	1.4	5.7	Other industry					
2.3	1.9	2.2	0.3	0.1	2.0	4.9	-1.3	-0.7	-5.3	-0.2	-3.3	-4.1	5.6	7.7	0.9	-4.2	4.6	Manufacture of sports goods					
-7.8	3.7	7.8	-21.1	-0.2	32.5	-36.3	1.7	-1.1	-1.3	-0.03	26.6	8.3	19.6	2.3	2.8	1.4	19.5	Manufacture of games and toys					
2.6	-0.4	-0.9	6.8	1.5	1.6	0.5	-0.7	1.4	1.1	-5.7	-6.0	1.9	0.2	1.7	6.8	4.2	-0.9	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment					
3.4	-0.9	0.1	0.4	7.0	0.4	1.2	-1.4	1.3	-3.5	-5.5	-5.0	3.5	-1.2	2.5	-0.6	7.7	-3.5	Repair and maintenance of transport equipment except motorcycles and bicycles					
2.4	-0.3	-1.1	8.7	-0.02	1.9	0.3	-0.5	1.5	2.4	-5.8	-6.3	1.5	0.6	1.5	8.9	3.4	-0.2	Other industry					
-0.3	0.3	1.5	-0.2	-0.2	7.7	-2.4	-0.6	0.03	-1.7	0.4	-0.7	-2.2	0.5	3.4	0.6	0.2	7.8	Total Manufacturing					

Jadual 2 : Pengeluaran Produk Utama dalam Industri Pembuatan yang Terpilih
Table 2 : Production of Major Products in Selected Manufacturing Industries

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2017	2018	2019	2020	2021	2020					
							Jan.	Feb.	Mac	Apr.	Mei	Jun
Ikan tin Canned fish	Tan Tonne	11,001	9,743	7,245	6,970	6,224	723	725	761	587	636	583
Ikan segar sejuk beku Frozen fish	Tan Tonne	16,344	16,671	17,304	16,658	15,032	1,309	1,431	1,174	1,238	1,468	1,354
Bebola ikan Fish ball	Tan Tonne	17,860	15,987	13,093	6,190	6,716	408	412	353	446	535	633
Sotong sejuk beku Frozen cuttle fish/squid	Tan Tonne	8,858	4,749	5,908	6,679	6,047	465	447	424	460	564	784
Udang geragau/udang sejuk beku Frozen shrimps/prawns	Tan Tonne	20,233	22,573	22,817	19,460	16,140	2,106	2,052	1,809	1,929	1,877	1,846
Jem (semua jenis) Jams (all types)	Tan Tonne	11,423	10,488	8,335	7,376	8,082	675	737	669	507	632	747
Minyak kelapa mentah Coconut (copra) oil and its fraction crude oil	Tan Tonne	14,307	27,643	21,220	15,593	16,721	1,367	1,040	938	946	1,676	1,324
Minyak kelapa, ditapis Coconut oil, refined	Tan Tonne	42,113	61,944	78,779	49,268	61,883	3,160	2,059	2,040	3,017	5,567	5,021
Lemak doh/shortening Dough fats/shortening	Tan Tonne	206,366	269,057	219,212	191,050	184,620	17,574	15,859	15,467	11,874	14,008	14,200
Marjerin Margarine	Tan Tonne	77,824	62,129	60,181	58,569	61,332	6,051	5,295	4,534	3,761	4,605	5,271
Minyak masak campuran Blended/deodorised cooking oil	Tan Tonne	547,656	558,317	574,483	423,403	406,788	42,992	37,262	36,553	38,844	31,224	32,427
Susu pekat manis Sweetened condensed milk	Tan Tonne	138,199	147,746	209,591	321,036	405,676	20,129	17,556	18,536	19,528	20,904	28,795
Minuman susu Milk drinks	Liter ('000) Litres ('000)	140,303	132,687	95,096	93,369	83,078	6,606	6,410	7,193	8,471	7,856	9,007
Beras Whole rice	Tan Tonne	631,952	665,032	629,970	679,152	710,685	53,898	62,020	69,220	72,533	49,647	45,356
Beras hancur Broken rice	Tan Tonne	50,279	65,664	64,415	65,748	73,238	5,176	5,574	6,232	5,302	5,198	6,050
Tepung gandum Wheat flour	Tan Tonne	998,163	949,149	901,834	862,885	993,335	78,502	80,715	85,881	78,268	61,094	69,102
Roti dan kek Bread and cakes	Tan Tonne	365,620	388,984	407,173	411,561	479,951	38,975	40,480	35,345	40,469	32,474	29,449
Mee dan bihun Mee and bihun	Tan Tonne	233,567	222,631	221,766	234,890	249,484	19,042	20,077	17,765	19,274	18,609	19,416
Sos dan bahan perasa Sos and flavoring ingredients	Tan Tonne	106,335	89,803	96,079	98,393	80,711	7,989	8,175	8,352	6,839	7,153	8,388
Kelapa kering Desiccated coconuts	Tan Tonne	5,655	3,828	3,133	3,208	4,259	207	208	234	208	220	265
Makanan ayam itik campuran Mixed poultry feed	Tan Tonne	2,363,180	2,339,642	2,347,398	2,043,813	1,958,720	207,539	180,865	166,660	160,016	163,320	165,762
Hidangan ikan Fish meals	Tan Tonne	48,941	56,141	57,864	82,677	119,236	5,226	5,286	5,288	5,301	4,333	6,793
Biskut Biscuits	Tan Tonne	267,190	255,471	164,524	173,019	165,062	13,399	14,792	13,150	12,563	11,931	12,535
Gula bertapis Refined sugar	Tan Tonne	1,682,363	1,637,779	1,555,828	1,440,768	1,571,056	116,621	126,108	146,073	136,641	101,525	111,110
Minuman manis berkarbonat Sweet beverages (carbonated)	Liter ('000) Litres ('000)	241,595	156,123	216,319	207,249	219,416	22,828	21,563	19,265	18,966	19,167	19,294

2021																	
Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.
490	455	389	488	511	621	564	602	661	501	501	478	450	449	380	495	549	595
1,453	1,413	1,297	1,683	1,351	1,485	1,198	1,381	1,104	1,105	1,152	1,199	1,344	1,185	1,156	1,506	1,355	1,347
630	514	597	572	536	554	480	413	402	491	570	629	656	658	657	665	548	548
597	531	527	610	615	653	556	451	484	519	594	654	556	478	431	518	422	384
1,035	1,088	1,179	1,433	1,399	1,708	1,453	1,453	1,581	1,513	1,403	1,631	994	985	1,034	1,226	1,382	1,485
628	609	515	570	493	594	720	862	858	618	628	772	743	582	584	580	568	566
1,208	1,497	1,361	1,377	1,457	1,404	1,528	1,240	1,182	980	1,296	1,147	1,372	1,620	1,561	1,777	1,762	1,256
3,615	3,603	4,886	5,831	5,875	4,594	4,408	3,004	3,135	3,742	5,349	5,231	5,196	5,117	6,667	6,828	6,623	6,583
19,085	16,071	16,975	17,786	16,773	15,378	15,516	13,238	12,013	12,311	14,975	14,971	16,215	14,415	17,202	18,285	18,181	17,298
4,453	4,426	4,753	5,562	5,139	4,719	4,969	4,474	4,026	4,136	5,135	5,271	5,437	5,007	5,450	6,029	5,815	5,584
41,426	25,938	30,910	46,189	31,324	28,314	23,110	29,151	34,721	32,956	30,804	39,649	33,599	42,911	39,153	38,696	31,900	30,138
33,647	30,411	32,801	32,380	33,019	33,329	33,691	27,158	25,988	29,684	29,840	38,395	39,211	39,199	34,320	35,355	35,714	37,121
10,860	8,590	7,852	6,880	6,893	6,752	6,644	5,803	5,553	6,597	6,508	7,143	7,403	7,795	7,904	7,365	7,090	7,274
38,871	49,752	79,042	57,835	50,925	50,053	50,259	63,954	65,041	69,957	53,993	44,906	40,858	54,034	78,126	73,653	58,835	57,068
6,442	5,608	6,426	4,081	4,431	5,227	5,674	6,558	7,223	6,470	6,888	5,950	6,552	6,125	6,440	5,228	4,811	5,320
67,659	66,115	63,751	67,821	67,527	76,450	78,053	80,391	85,606	82,108	80,328	81,302	83,198	85,373	83,646	83,601	86,148	83,581
29,471	31,792	32,701	32,330	30,609	37,467	40,753	49,501	50,528	47,480	39,950	37,072	35,575	36,555	36,176	35,341	35,132	35,888
20,574	19,460	19,789	19,738	21,927	19,218	23,200	22,475	18,788	19,238	17,767	20,936	19,722	20,466	22,715	21,686	22,043	20,449
8,361	8,303	8,288	8,660	9,246	8,639	9,056	8,199	7,372	5,677	5,852	6,555	6,003	6,077	5,637	7,113	6,917	6,252
306	323	342	353	277	265	255	265	304	304	295	340	368	404	475	494	396	360
158,477	162,388	160,446	165,742	158,532	194,067	177,342	161,916	158,123	159,810	150,709	135,194	161,657	173,813	151,381	149,331	181,451	197,992
6,805	7,601	7,198	10,077	9,558	9,211	8,801	9,052	9,308	9,542	7,030	8,995	9,529	10,801	9,247	12,053	13,362	11,516
14,853	14,357	15,868	18,207	17,318	14,045	14,749	15,386	13,001	14,213	12,352	12,730	10,816	12,015	14,023	16,702	16,272	12,803
107,938	111,186	113,750	116,501	121,034	132,281	123,102	122,634	161,649	171,049	123,222	115,493	111,451	115,574	118,908	120,119	142,133	145,723
15,769	14,682	15,241	11,685	12,619	16,170	20,149	18,908	17,921	21,952	21,624	19,336	18,022	19,238	17,423	13,157	13,632	18,053

Jadual 2 : Pengeluaran Produk Utama dalam Industri Pembuatan yang Terpilih
Table : Production of Major Products in Selected Manufacturing Industries

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2017	2018	2019	2020	2021	2020					
							Jan.	Feb.	Mac	Apr.	Mei	Jun
Minuman manis tidak berkarbonat <i>Sweet beverages (non-carbonated)</i>	Liter ('000) <i>Litres ('000)</i>	2,240,658	2,835,044	3,113,870	2,799,877	2,218,416	256,231	258,632	259,664	245,174	233,358	234,526
Air mineral dan minuman <i>Mineral and drinking water</i>	Liter ('000) <i>Litres ('000)</i>	696,384	540,192	583,031	618,790	612,345	47,116	50,639	48,414	48,545	37,041	44,711
Kain kapas <i>Cotton cloth</i>	Meter ('000) <i>Metres ('000)</i>	166,566	150,618	126,941	84,100	72,734	9,083	8,818	7,597	5,570	5,605	6,220
Seluar lelaki <i>Pants, males</i>	Bilangan ('000) <i>Number ('000)</i>	11,705	10,997	10,245	8,304	6,035	912	819	789	481	622	814
Kemeja lelaki <i>Shirts, males</i>	Bilangan ('000) <i>Number ('000)</i>	18,065	20,491	16,859	13,937	13,569	1,512	1,212	1,023	512	843	1,152
Blaus <i>Blouses</i>	Bilangan ('000) <i>Number ('000)</i>	16,147	16,824	10,630	6,663	4,709	840	855	831	478	534	629
Pakaian perempuan <i>Dresses</i>	Bilangan ('000) <i>Number ('000)</i>	4,526	5,332	4,649	3,704	3,150	372	377	362	195	239	312
Kasut getah (semua jenis) <i>Rubber footwear (all types)</i>	Pasang ('000) <i>Pairs ('000)</i>	5,765	5,173	3,111	2,185	2,045	161	152	157	83	100	129
Kiln kayu kering <i>Kiln dried timber</i>	Tan <i>Tonne</i>	114,502	103,333	109,904	130,342	127,086	10,949	11,212	9,871	5,188	6,989	9,365
Kayu gergaji <i>Rubberwood (sawn)</i>	Tan <i>Tonne</i>	102,052	107,395	122,043	145,231	139,692	10,791	13,644	9,509	5,216	7,848	11,989
Kepingan venir <i>Veneer sheets</i>	Meter Padu <i>Cubic metre</i>	442,511	507,664	1,026,098	581,444	394,056	81,672	74,339	94,794	37,132	20,509	45,134
Papan gentian berkepadatan sederhana <i>Medium density fibreboard</i>	Meter Padu <i>Cubic metre</i>	1,461,672	4,424,935	3,753,461	3,101,939	2,117,223	315,524	284,773	201,130	152,027	168,370	309,487
Papan lapis <i>Plywood</i>	Meter Padu <i>Cubic metre</i>	2,306,438	2,347,718	2,142,694	2,767,847	3,438,335	153,571	166,499	227,444	175,728	250,131	260,499
Ukiran kayu <i>Timber moulding</i>	Meter Padu <i>Cubic metre</i>	84,866	84,539	72,081	70,500	54,406	5,882	6,592	5,304	2,200	4,662	6,636
Kayu balak siap <i>Dressed timber</i>	Meter Padu <i>Cubic metre</i>	7,131	6,547	5,620	6,761	7,984	645	685	501	205	380	522
Rak dan beg kertas <i>Sacks and bags of paper</i>	Bilangan ('000) <i>Number ('000)</i>	307,397	326,761	303,730	305,075	355,061	20,924	22,273	25,291	19,990	20,819	26,392
Kertas tisu <i>Tissue paper</i>	Tan <i>Tonne</i>	84,394	185,802	94,164	101,978	96,290	9,076	8,673	7,251	5,384	7,568	9,455
Kertas napkin <i>Napkin paper</i>	Tan <i>Tonne</i>	8,073	9,394	11,304	9,556	5,355	1,577	1,000	832	501	588	633
Kertas tandas <i>Toilet paper</i>	Tan <i>Tonne</i>	39,816	101,707	111,369	102,267	75,508	11,894	12,506	8,829	5,712	6,377	8,051
Minyak tanah <i>Kerosene</i>	Tan <i>Tonne</i>	4,177,301	4,123,364	4,235,615	3,554,047	4,168,054	423,916	376,359	361,196	250,607	207,253	287,869
Gas petroleum cecair <i>Liquefied petroleum gas</i>	Tan <i>Tonne</i>	2,608,430	2,721,959	2,900,511	2,525,357	2,692,737	261,021	238,470	234,695	119,593	190,413	211,604
Minyak bahan api <i>Fuel oil</i>	Tan <i>Tonne</i>	3,184,767	2,801,698	2,701,437	2,064,280	2,118,830	276,682	275,210	274,593	92,537	133,548	134,491
Minyak diesel/gas <i>Diesel/ gas oil</i>	Tan <i>Tonne</i>	12,527,621	12,216,265	13,033,587	10,921,709	12,881,426	1,275,890	1,194,994	1,103,951	390,117	585,292	920,763
Gasolin (spirit motor) <i>Gasoline (motor spirit)</i>	Tan <i>Tonne</i>	5,332,088	5,828,082	5,861,572	4,980,906	6,433,373	509,952	530,431	538,247	223,795	250,886	372,115
Minyak pelincir campuran <i>Blended lubricating oil</i>	Tan <i>Tonne</i>	149,902	158,038	138,461	92,387	106,578	9,286	8,024	7,372	5,242	5,279	6,490

2021																	
Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.
235,426	228,067	229,575	193,076	204,161	221,987	232,259	228,958	226,051	245,230	175,273	152,426	157,738	183,350	151,055	144,862	151,929	169,286
49,070	55,814	61,746	64,359	59,876	51,459	50,777	55,005	54,191	56,054	47,426	45,201	41,149	52,584	56,461	58,199	56,063	39,237
6,220	6,354	6,760	7,183	7,078	7,614	7,043	6,716	7,196	7,652	6,371	6,690	5,371	4,823	4,864	5,405	5,761	4,844
781	613	572	681	633	588	608	609	601	642	364	414	492	411	410	522	505	456
1,307	1,153	1,063	1,464	1,358	1,338	1,354	1,138	978	1,101	1,176	872	1,003	997	977	1,351	1,359	1,262
573	524	538	274	263	324	379	395	399	459	384	378	458	448	489	293	289	337
221	352	327	337	301	308	304	309	305	371	296	170	154	254	241	263	242	242
172	187	274	302	280	189	166	167	178	180	114	70	95	133	226	276	274	166
13,120	12,453	12,231	14,154	12,027	12,783	13,912	14,524	12,265	12,695	11,098	6,943	9,811	9,781	9,714	10,049	8,084	8,210
15,149	14,648	13,786	13,938	15,060	13,653	12,821	15,159	10,056	12,473	12,340	8,289	10,508	11,761	11,796	12,079	12,034	10,376
36,443	42,504	44,524	41,351	31,224	31,818	39,520	39,226	55,237	61,035	31,655	32,134	20,210	18,875	20,842	24,962	25,411	24,949
294,380	279,888	273,023	276,746	276,571	270,020	214,639	179,195	109,587	122,184	110,960	112,487	143,286	194,941	188,445	232,321	255,656	253,522
246,453	260,992	244,521	285,166	238,673	258,170	275,504	307,463	425,264	438,673	397,671	230,379	190,609	175,149	177,600	251,695	275,959	292,370
6,911	6,771	6,182	6,701	6,873	5,786	5,868	6,072	4,752	5,106	5,726	3,075	3,002	3,460	3,917	4,778	4,809	3,841
692	571	480	617	633	830	961	987	714	795	733	522	480	444	431	587	583	747
33,918	26,727	26,018	28,999	28,828	24,895	23,774	24,462	26,995	27,048	25,929	29,392	32,637	34,334	30,999	35,070	34,186	30,234
10,441	8,618	9,670	8,966	8,131	8,746	9,576	8,620	6,917	6,601	6,188	6,221	7,923	8,335	8,822	8,831	9,179	9,074
569	510	787	880	882	797	801	501	388	371	338	302	340	294	356	499	622	542
8,119	8,329	8,329	8,313	7,599	8,209	10,283	9,857	6,405	5,821	5,257	5,310	6,183	4,256	4,826	5,554	5,979	5,776
287,958	289,567	288,465	195,269	280,043	305,545	332,267	293,055	301,694	375,612	321,057	337,191	370,155	352,456	374,492	382,564	347,418	380,093
216,061	214,420	214,028	194,620	214,612	215,821	213,223	203,909	239,647	193,970	235,994	220,013	218,194	221,473	218,058	231,497	257,238	239,522
140,848	142,578	148,154	132,790	152,951	159,898	166,059	190,326	167,009	170,065	160,077	179,344	188,938	189,405	195,965	182,698	150,126	178,816
897,457	888,232	892,871	899,525	856,644	1,015,974	907,393	1,095,877	971,358	659,397	920,180	1,102,513	1,207,303	1,180,704	1,243,919	1,207,886	1,250,656	1,134,240
397,207	410,063	393,128	455,887	440,551	458,644	474,611	506,710	491,449	474,289	532,995	534,128	598,012	589,966	571,563	602,111	577,920	479,620
7,935	9,747	8,819	8,403	7,837	7,953	6,535	6,090	6,219	7,191	8,230	8,290	10,594	12,664	10,769	10,320	10,231	9,446

Jadual 2 : Pengeluaran Produk Utama dalam Industri Pembuatan yang Terpilih
Table 2 : Production of Major Products in Selected Manufacturing Industries

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2017	2018	2019	2020	2021	2020					
							Jan.	Feb.	Mac	Apr.	Mei	Jun
Nafta <i>Naptha</i>	Tan <i>Tonne</i>	4,341,796	4,266,449	4,336,029	3,754,323	3,901,388	398,623	378,555	387,796	350,631	241,784	258,289
Gas asli cecair <i>Liquefied natural gas</i>	Tan <i>Tonne</i>	24,619,394	27,785,824	28,689,391	26,576,031	29,011,740	2,582,305	2,480,596	2,465,417	1,432,220	1,479,368	2,244,130
Nitrogen dan oksigen <i>Nitrogen and oxygen</i>	Meter padu ('000) <i>Cubic metre ('000)</i>	676,429	418,770	416,483	456,279	564,435	38,349	38,893	41,237	24,098	30,135	38,962
Methanol (methyl alcohol) <i>Methanol (methyl alcohol)</i>	Tan <i>Tonne</i>	2,184,245	6,033,764	6,999,396	4,554,549	3,717,444	546,310	531,404	474,278	334,023	323,472	350,342
Baja (termasuk urea) <i>Fertilizers (includes urea)</i>	Tonne <i>Tonne</i>	2,838,245	3,616,402	3,720,847	4,080,289	5,839,960	319,195	304,181	275,674	229,914	194,533	291,781
Sebatian P.V.C <i>P.V.C. compound</i>	Tan <i>Tonne</i>	109,483	109,562	100,843	76,016	88,182	7,387	7,352	7,050	5,836	4,208	3,378
Racun serangga aerosol (cecair) <i>Aerosol insecticides (liquid)</i>	Liter <i>Litres</i>	9,241,807	7,965,253	7,397,612	7,241,839	7,057,722	630,105	665,324	670,721	612,254	634,721	569,015
Racun herba (cecair) <i>Herbicides (liquid)</i>	Liter ('000) <i>Litres ('000)</i>	54,710	58,626	38,807	55,497	68,379	4,020	4,390	4,979	5,250	5,371	4,501
Racun herba (bukan cecair) <i>Herbicides (non-liquid)</i>	Tonne <i>Tonne</i>	12,748	32,139	26,842	43,157	66,062	2,833	3,141	3,386	3,433	3,869	3,622
Cat emulsi <i>Emulsion paints</i>	Liter ('000) <i>Litres ('000)</i>	92,222	118,111	101,689	68,600	49,480	8,246	9,053	9,025	5,924	4,500	3,572
Cat lapis <i>Under-coats</i>	Liter ('000) <i>Litres ('000)</i>	10,236	14,754	14,977	13,869	17,890	1,114	1,161	1,069	631	854	1,167
Cat asas <i>Primers</i>	Liter ('000) <i>Litres ('000)</i>	20,779	24,642	29,629	20,036	19,302	2,601	2,446	2,014	956	1,063	1,201
Dakwat pencetak <i>Printing ink</i>	Tan <i>Tonne</i>	41,585	37,543	32,587	35,326	28,717	2,390	2,521	2,549	2,478	3,466	3,155
Pelembut fabrik <i>Fabric softener</i>	Liter ('000) <i>Litres ('000)</i>	62,813	65,640	65,858	40,262	33,368	4,292	4,189	3,838	2,432	2,949	2,763
Sabun mandi <i>Toilet soap</i>	Tan <i>Tonne</i>	34,143	45,402	45,523	21,028	16,915	2,319	2,129	1,858	1,078	1,187	1,587
Sabun serbuk (bahan pencuci) <i>Soap powder (detergents)</i>	Tan <i>Tonne</i>	182,677	148,003	133,244	96,719	102,043	7,308	7,652	7,612	5,218	6,875	8,004
Pelekat perindustrian <i>Adhesive, industrial</i>	Liter ('000) <i>Litres ('000)</i>	226,975	241,025	191,096	161,056	156,030	14,288	15,505	15,171	12,735	12,372	13,815
Tayar pneumatik (semua jenis) <i>Pneumatic tyres (all types)</i>	Bilangan ('000) <i>Number ('000)</i>	15,190	13,674	13,334	9,131	8,261	1,112	1,212	1,160	788	421	449
Tiub dalam (semua jenis) <i>Inner tubes (all types)</i>	Bilangan ('000) <i>Number ('000)</i>	5,370	4,825	3,307	1,869	1,426	223	211	171	133	84	89
Getah mutu malaysia (semua gred) <i>S.M.R. (all grades)</i>	Tan <i>Tonne</i>	773,498	874,609	897,171	972,584	817,560	86,603	92,990	95,199	65,537	76,749	70,136
Susu getah diproses <i>Processed latex</i>	Tan <i>Tonne</i>	44,093	26,197	24,553	33,471	41,081	2,374	2,872	3,332	2,759	3,129	2,824
Sarung tangan getah <i>Rubber gloves</i>	Pasang (Juta) <i>Pairs (Million)</i>	37,525	54,184	55,404	102,592	136,796	5,624	6,418	9,849	11,204	11,398	12,652
Kondom <i>Condom</i>	Gross ('000) <i>Gross ('000)</i>	13,019	9,678	9,237	15,532	18,085	929	1,044	1,171	1,239	1,504	1,813
Paip P.V.C. <i>P.V.C. pipes</i>	Tan <i>Tonne</i>	129,894	127,974	141,991	105,091	99,972	10,852	10,655	9,341	5,906	6,167	9,470
Bata tanah <i>Earthen bricks</i>	Bilangan ('000) <i>Number ('000)</i>	237,420	275,959	316,411	181,463	109,691	25,400	25,001	20,704	7,921	6,598	11,583

2021																	
Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.
262,525	275,458	265,424	282,716	272,629	379,892	362,041	343,233	318,554	359,251	258,787	346,846	326,370	306,799	334,974	328,569	306,856	309,108
2,178,177	2,125,495	2,218,464	2,350,353	2,431,404	2,588,102	2,446,912	2,566,241	2,624,160	1,974,409	2,366,907	2,562,445	2,651,288	2,452,114	2,098,569	2,334,616	2,553,140	2,380,939
43,197	40,138	38,833	40,098	38,977	43,363	44,984	49,650	61,237	42,660	45,872	55,962	50,108	39,085	37,093	42,171	46,401	49,212
316,275	534,913	355,264	298,003	198,206	292,059	256,915	321,432	304,278	212,091	255,536	290,342	292,501	377,911	344,269	308,452	308,810	444,907
372,437	413,151	397,404	375,897	456,172	449,950	439,716	414,179	365,543	321,041	277,829	431,781	514,804	620,176	588,288	538,944	674,127	653,532
3,808	5,323	7,117	8,208	8,254	8,095	8,053	8,595	8,546	7,428	5,132	4,375	4,573	6,690	8,589	9,199	8,863	8,139
654,955	634,373	578,705	549,772	556,974	484,920	576,260	619,374	638,421	754,314	548,553	529,015	550,117	611,604	534,337	543,737	594,475	557,515
5,154	5,089	3,216	4,839	3,960	4,730	5,555	6,139	7,026	7,545	5,602	5,021	5,405	5,909	3,518	5,109	5,181	6,368
3,782	3,466	3,527	4,091	3,618	4,389	4,108	4,587	4,992	5,966	5,515	5,435	5,363	5,470	5,497	6,200	5,673	7,257
4,249	4,719	4,652	4,262	5,597	4,802	5,048	5,130	5,288	4,917	4,476	2,923	3,193	4,058	3,572	3,091	4,098	3,686
1,341	1,237	1,160	1,316	1,453	1,365	1,329	1,308	1,126	1,077	1,243	1,557	1,576	1,791	1,718	1,793	1,723	1,651
1,512	1,418	1,275	1,292	1,702	2,557	2,217	2,004	1,559	1,235	1,252	1,280	1,314	1,606	1,569	1,420	1,464	2,382
3,722	3,478	3,401	3,311	2,426	2,429	2,001	2,041	2,021	2,121	2,853	2,685	2,816	2,986	2,681	2,032	2,100	2,379
3,013	3,214	3,251	3,253	3,875	3,193	2,661	2,891	2,893	2,499	2,365	2,162	2,210	2,570	2,805	3,323	3,709	3,281
1,629	1,832	1,552	1,492	2,005	2,360	1,650	1,663	1,610	1,225	1,052	1,319	1,226	1,439	1,360	1,193	1,403	1,773
8,946	9,491	10,485	8,925	8,025	8,178	7,006	7,800	8,000	6,827	7,011	7,604	8,020	9,250	11,078	10,801	9,162	9,485
13,200	12,769	13,075	12,077	12,978	13,071	13,268	13,477	12,609	13,374	14,372	14,815	13,091	12,950	13,076	11,860	11,995	11,145
505	490	572	785	795	842	841	869	815	764	465	534	572	421	522	833	822	802
126	140	165	157	199	170	148	135	107	110	81	89	116	108	131	147	145	107
73,605	73,212	76,788	80,164	84,048	97,554	92,531	90,082	79,908	74,425	56,606	51,636	50,666	59,266	63,052	57,242	69,374	72,772
3,107	2,935	2,441	2,247	2,410	3,042	3,260	3,640	3,922	4,199	3,792	3,304	3,404	3,755	3,309	2,752	2,640	3,104
9,003	6,329	7,010	7,610	7,663	7,832	11,868	12,268	17,351	16,938	16,324	16,276	10,824	7,338	7,065	7,044	6,911	6,587
1,522	1,192	1,489	1,261	1,111	1,257	1,354	1,358	1,550	1,834	1,847	1,921	1,660	1,337	1,590	1,312	1,072	1,251
11,039	8,335	8,425	8,424	8,140	8,337	7,203	9,703	9,904	10,081	8,005	8,470	8,842	7,011	6,332	7,705	8,513	8,203
15,132	12,449	12,013	14,514	16,130	14,019	12,237	14,302	10,752	10,032	7,467	3,020	3,352	4,814	6,390	10,821	13,727	12,776

Jadual 2 : Pengeluaran Produk Utama dalam Industri Pembuatan yang Terpilih
Table : Production of Major Products in Selected Manufacturing Industries

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2017	2018	2019	2020	2021	2020					
							Jan.	Feb.	Mac	Apr.	Mei	Jun
Jubin seramik Ceramic tiles	M. Persegi ('000) Sq. metres ('000)	44,896	44,612	31,119	31,495	28,512	2,309	2,466	2,253	1,082	1,223	3,280
Simen (semua jenis) Cement (all types)	Tan ('000) Tonnes ('000)	18,762	17,556	16,102	19,936	19,961	1,377	1,519	1,183	249	1,836	1,536
Konkrit campuran siap Ready mixed concrete	Meter padu ('000) Cubic metre ('000)	30,323	32,047	34,067	34,841	35,425	3,318	3,260	3,459	610	1,659	3,366
Bumbung genting simen (semua jenis) Cement roofing tiles (all types)	Bilangan ('000) Number ('000)	36,073	35,472	43,484	47,874	37,054	9,857	5,771	5,704	35	306	3,694
Cerucuk, tiang konkrit Piles, poles, posts of concrete	Tan Tonne	2,601,180	2,627,848	2,034,572	1,699,228	1,549,050	166,247	187,820	152,968	67,490	95,629	147,203
Pasir silika (diproses) Silica sands (processed)	Tan ('000) Tonnes ('000)	489,242	535,673	393,246	261,872	157,885	36,514	26,889	24,621	2,652	2,094	2,658
Selak dan kekeras Bolts and nuts	Tan ('000) Tonnes ('000)	533,123	612,850	584,723	616,367	870,924	58,639	60,658	57,280	23,738	24,086	44,664
Bar dan batang besi dan keluli Iron and steel bars and rods	Tan Tonne	1,698,226	1,853,029	1,403,863	1,295,505	707,765	129,504	155,745	169,290	133,105	117,111	118,380
Kepingan besi yang disadur Galvanized iron sheets	Tan Tonne	145,734	112,648	156,786	152,099	167,833	10,370	16,780	15,799	12,710	10,279	9,594
Tin timah dan semua tin lain Tin cans and all other tins	Bilangan ('000) Number ('000)	3,539,920	3,739,323	3,131,962	2,683,374	2,899,385	281,164	300,903	235,283	142,279	132,151	163,385
Dram besi dan keluli Iron and steel drums	Bilangan ('000) Number ('000)	4,904	4,560	4,347	3,717	3,936	369	406	337	212	212	275
Dawai besi dan keluli bersadur Galvanised iron and steel wire	Tan Tonne	119,962	156,534	180,148	131,139	135,473	12,337	12,918	11,017	3,990	6,705	8,627
Dawai mata punai dan jaring Wire mesh and netting	M. Persegi ('000) Sq. metres ('000)	138,585	82,809	48,045	28,555	19,258	4,182	4,209	3,606	1,354	1,467	1,186
Transformer elektrik Electrical transformers	Bilangan ('000) Number ('000)	183,212	191,478	168,959	202,996	266,713	12,214	14,185	15,733	18,429	17,131	18,964
Dawai dan kabel yang tertebat Insulated wires and cables	Tan Tonne	98,756	92,234	95,752	111,184	129,356	7,171	8,609	8,327	7,026	8,009	10,395
Separa konduktor Semi-conductors	Bil. (Juta) Num. (Million)	20,111	22,033	28,758	26,699	29,453	2,526	2,645	2,502	1,450	1,786	2,355
Transistor elektronik Electronic transistors	Bil. (Juta) Num. (Million)	41,365	36,871	35,582	36,919	48,538	3,500	3,781	3,699	2,166	2,596	3,342
Litar bersepadu Integrated circuits	Bil. (Juta) Num. (Million)	27,155	29,828	26,581	34,318	41,416	2,578	2,996	2,975	2,480	2,596	2,892
Televisyen Television	Bilangan Number	11,446,057	12,609,183	9,934,919	12,228,893	15,071,948	859,495	931,520	1,031,270	780,148	1,569,289	1,287,708
Radio Radios	Bilangan ('000) Number ('000)	5,291	6,686	8,789	9,363	9,752	762	784	628	626	987	1,002
Penyaman udara Air-conditioners	Bilangan Number	4,208,937	4,395,397	4,953,912	1,910,268	2,253,569	345,433	330,710	241,551	36,193	37,646	105,094
Kereta penumpang Passenger cars	Bilangan Number	459,558	522,392	533,131	454,805	446,417	39,556	37,893	21,087	240	12,022	43,405
Kenderaan perdagangan Commercial vehicles	Bilangan Number	71,990	72,709	57,608	43,691	61,634	5,245	5,041	3,549	343	2,094	2,849
Wayar abah-abah, kenderaan bermotor Wire harness, motor vehicle	Bilangan ('000) Number ('000)	6,597	5,377	5,927	6,642	7,825	400	423	465	276	423	645
Motosikal dan skuter Motor cycles and scooters	Bilangan Number	285,104	251,720	242,789	240,066	172,431	20,586	24,115	28,570	0	16,034	20,510

2021																	
Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.
3,694	3,562	3,559	3,614	1,661	2,791	2,864	2,887	2,554	2,439	2,452	1,382	1,467	1,861	2,396	3,270	1,820	3,119
1,866	1,871	2,065	2,024	2,155	2,254	2,278	2,459	1,912	1,309	1,211	996	1,130	1,381	1,378	1,655	2,050	2,204
4,096	4,230	2,645	2,677	2,607	2,915	2,792	3,232	3,806	3,072	2,491	2,144	2,531	3,345	2,861	3,077	3,089	2,985
3,774	3,956	3,095	3,435	4,341	3,905	3,586	2,946	4,712	3,227	3,084	2,495	2,727	3,038	3,105	3,291	2,446	2,399
145,365	145,923	151,183	155,425	141,862	142,113	153,597	163,397	129,968	147,657	141,082	88,203	85,850	123,195	131,062	105,587	133,727	145,725
3,321	36,852	22,271	32,904	38,296	32,799	27,038	28,781	25,250	10,684	6,380	5,209	5,263	6,690	6,975	11,774	13,038	10,802
51,612	53,868	50,094	62,864	68,282	60,581	70,373	73,473	71,835	62,095	59,759	54,664	65,126	77,662	76,623	90,287	88,685	80,341
116,736	116,477	63,969	68,266	55,188	51,734	53,941	62,581	50,488	72,428	52,017	50,466	58,501	86,726	58,575	53,988	50,002	58,052
12,789	15,764	13,782	12,323	10,922	10,988	10,445	13,585	16,691	16,165	14,131	10,909	11,196	15,733	16,410	14,921	12,994	14,653
187,046	208,915	251,394	250,671	257,575	272,607	300,331	307,811	233,825	240,244	202,677	196,433	183,377	212,570	260,151	246,369	260,526	255,073
255	293	331	347	327	353	398	419	338	355	327	313	230	272	326	322	320	315
9,951	11,580	14,454	14,336	12,285	12,940	9,237	10,959	9,930	9,045	8,147	8,339	9,921	11,278	15,297	15,316	12,875	15,130
1,361	1,693	2,651	2,360	2,197	2,291	2,073	1,819	1,312	1,616	1,534	1,075	1,090	1,311	1,622	1,755	2,039	2,013
20,197	18,918	18,655	18,501	14,519	15,549	17,578	18,917	19,507	19,813	21,327	21,848	25,556	23,591	23,869	27,347	23,366	23,994
10,103	10,311	11,499	10,995	10,442	8,297	8,970	8,586	9,190	9,525	8,719	11,520	11,616	10,480	14,321	14,621	11,037	10,769
2,383	2,278	2,336	2,425	2,006	2,006	2,181	2,554	2,688	2,346	2,194	2,355	2,375	2,554	2,760	2,658	2,361	2,428
3,063	2,576	2,857	3,221	2,809	3,309	3,642	4,111	4,406	4,251	4,148	4,302	3,797	3,457	3,874	4,125	3,831	4,592
2,997	2,792	3,065	3,113	2,815	3,021	3,130	3,389	3,393	3,964	3,821	3,602	3,307	3,294	3,137	3,415	3,301	3,662
846,903	881,197	851,113	916,732	966,875	1,306,643	1,205,109	1,248,946	1,356,207	1,557,202	1,596,688	1,397,708	938,281	991,265	1,055,845	1,156,889	1,129,318	1,438,490
690	634	733	734	815	969	853	844	601	709	685	733	717	707	894	913	972	1,125
141,473	120,288	112,319	127,920	133,710	177,931	153,930	216,372	221,551	220,950	195,318	181,357	175,910	173,839	160,098	177,582	176,287	200,375
44,828	47,934	49,966	55,063	50,894	51,917	36,186	41,301	58,102	47,764	40,159	246	2,396	12,897	42,556	61,248	53,661	49,901
2,565	2,369	2,400	3,910	6,881	6,445	5,785	7,030	5,816	6,766	6,778	1,341	1,509	2,016	3,964	5,271	8,336	7,022
669	507	682	781	701	670	635	583	659	572	541	572	581	481	667	885	844	804
18,835	21,932	20,173	24,446	21,379	23,486	24,155	25,612	29,443	35,903	19,908	1,995	2,177	2,817	5,082	7,120	8,094	10,126



NOTA TEKNIKAL

TECHNICAL NOTES



NOTA TEKNIKAL

1. OBJEKTIF

Objektif utama penerbitan ini ialah untuk menyediakan statistik aliran terkini bagi indikator utama di sektor Pembuatan, iaitu statistik **nilai jualan, bilangan pekerja bergaji, gaji & upah** serta **pengeluaran produk utama** yang dipungut melalui Survei Pembuatan Bulanan. Statistik ini membantu pengguna dalam merangka dasar serta membuat keputusan.

2. PENANDA ARASAN

Selepas melaksanakan Banci Ekonomi 2016 (tahun rujukan 2015), Jabatan Perangkaan Malaysia (DOSM) telah mengkaji dan melaksanakan proses penanda arasan terhadap statistik pembuatan yang dipungut melalui Survei Pembuatan Bulanan. Proses penanda arasan ini membolehkan siri nilai anggaran tahunan yang dijana menerusi statistik jangka pendek konsisten dengan nilai tahunan daripada banci/survei tahunan sebagai tahun penanda aras. Penanda arasan yang dibuat berpanduan *Quarterly National Accounts Manual 2017 edition, International Monetary Fund* bagi mencapai objektif seperti berikut:

- Menganggarkan data bulanan supaya konsisten dengan data tahunan iaitu, untuk memastikan jumlah data bulanan adalah sama dengan penanda aras tahunan;
- Memelihara sebanyak mungkin pertumbuhan indikator bulanan semasa proses penanda arasan tahunan dibuat; dan
- Memastikan data siri ke hadapan, jumlah data bulanan bagi tahun semasa sedekat mungkin dengan data tahunan yang diperoleh semasa banci atau survei tahunan yang dijalankan.

Statistik penanda arasan disusun bagi nilai jualan, bilangan pekerja bergaji dan gaji & upah sektor Pembuatan dan diterbitkan mulai Januari 2020. Tahun asas (penanda aras) adalah menggunakan Banci Ekonomi 2016 (tahun rujukan 2015) sebagai tahun penanda aras dan kaedah *pro rata* dan *extrapolation* digunakan dalam proses penanda arasan ini.

Kaedah *pro rata*:

$$M^iV = \frac{M^iI}{\sum_{i=1}^{12} M^iI} \times ADT$$

di mana

M^iV pemboleh ubah anggaran bulanan yang dinaik aras

M^iI siri indikator bulanan

ADT data tahunan tahun asas (penanda aras)

Kaedah *extrapolation*:

$$V_t = V_{t-1} * G_{t-1,t}$$

di mana

V_t nilai pemboleh ubah

$G_{t-1,t}$ pertumbuhan daripada t-1 kepada t

3. SKOP DAN LIPUTAN

Data yang dipungut dalam Survei Pembuatan Bulanan meliputi seluruh Malaysia. Mulai Januari 2020, penerbitan ini memaparkan statistik berwajaran yang menggambarkan populasi sampel bagi 251 industri dalam sektor Pembuatan.

Data bagi industri yang mempunyai perwakilan kurang daripada tiga pertubuhan telah digabungkan kepada industri terhampir bagi memelihara kerahsiaan responden seperti mana yang termaktub dalam Akta Perangkaan 1965 (Disemak - 1989).

4. SUMBER RANGKA

Sumber rangka ialah daripada *Malaysia Statistical Business Register (MSBR)* di mana maklumat utama diperoleh daripada banci dan survei yang dilaksanakan oleh Jabatan Perangkaan Malaysia (DOSM) serta data pentadbiran. Sumber utama data pentadbiran tersebut adalah daripada Suruhanjaya Syarikat Malaysia (SSM). Selain itu, DOSM juga turut bekerjasama mendapatkan maklumat daripada lebih 50 agensi lain seperti Kumpulan Wang Simpanan Pekerja (KWSP), Jabatan Kastam Diraja Malaysia (JKDM), Lembaga Hasil Dalam Negeri (LHDN), Pihak Berkuasa Tempatan (PBT) serta Badan-badan Profesional. Rangka dikemaskini secara berterusan dengan mengambil kira pertubuhan baru dan merekod sebarang perubahan dalam status pertubuhan seperti tutup, tidak beroperasi, perubahan jenis aktiviti dan lokasi atau alamat pos untuk memastikan maklumat yang terdapat dalam rangka adalah yang paling terkini.

5. JENIS AKTIVITI PERNIAGAAN

Jenis aktiviti perniagaan merujuk kepada aktiviti utama dan sekunder. Aktiviti utama merujuk kepada aktiviti yang mana pertubuhan menumpukan sebahagian besar sumbernya atau memberi sumbangan besar dari segi pendapatan. Aktiviti sekunder didefinisikan sebagai aktiviti sampingan kepada aktiviti utama. Klasifikasi bagi pertubuhan adalah berasaskan kepada aktiviti utama dan Piawaian Klasifikasi Industri Malaysia (MSIC 2008) Versi 1.0. yang diselaraskan dengan *International Standard Industrial Classification of All Economic Activities (ISIC), Rev. 4, United Nations* dengan pengubahsuaian mengikut keperluan tempatan.

6. KONSEP DAN DEFINISI

Konsep dan definisi yang digunakan selari dengan manual *International Recommendations for Industrial Statistics 2008, United Nations Statistics Division*. Takrif pembuatan yang digunakan dalam survei ini adalah selaras dengan Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Versi 1.0.

Pembuatan ditakrifkan sebagai perubahan fizikal atau kimia ke atas bahan atau komponen menjadi produk baru sama ada kerja itu dilakukan oleh jentera yang dijalankan oleh kuasa atau yang dijalankan dengan tangan, sama ada dijalankan dalam kilang atau di rumah pekerja, dan sama ada barang keluaran dijual secara borong atau runcit.

7. REKA BENTUK PENSAMPELAN

Reka bentuk pensampelan bagi survei ini adalah pensampelan rawak strata satu peringkat. Pertubuhan dikelaskan sebagai unit pensampelan manakala beberapa kategori strata telah dikenalpasti.

Setiap strata telah dibentuk kepada tiga substrata untuk memastikan sampel yang diagihkan mengambil kira ciri-ciri ekonomi strata tersebut. Substrata utama bersifat heterogen dan diliputi secara penuh. Manakala, substrata selainnya yang bersifat homogen disampelkan.

Substrata utama meliputi pertubuhan kategori besar dan yang mempunyai jumlah hasil yang signifikan dalam industri berkaitan manakala bagi substrata kedua dan ketiga berdasarkan kategori perusahaan kecil dan sederhana (PKS).

8. SAIZ SAMPEL

Statistik utama yang digunakan untuk penganggaran saiz sampel adalah nilai jualan. Formula yang digunakan dalam penganggaran saiz sampel bagi strata adalah seperti berikut:

$$n = \frac{(\sum N_i S_i)^2}{V + \sum N_i S_i^2}$$

di mana;

n = Saiz sampel

N_i = Saiz populasi bagi strata i

S_i^2 = Varian bagi strata i

V = Varian sasaran

$$V = RSE^2 \cdot \left(\frac{\hat{Y}_i}{Z} \right)^2$$

di mana;

$\hat{Y}_i$ = Jumlah nilai jualan bagi strata

RSE = Ralat piawai relatif

Z = Nilai aras keyakinan

Sampel akan diagihkan kepada substrata dalam industri liputan dengan menggunakan kaedah *Neyman Allocation* seperti berikut:

$$n_{hi} = \left(\frac{N_h S_h}{\sum N_h S_h} \right) n_i$$

$h = 2, 3 \text{ dan } 4$

$i = 1, 2, \dots, k$

di mana;

n_{hi} = Saiz sampel bagi substrata h dalam strata i

N_h = Saiz populasi bagi substrata h

S_h = Sisihan piawai bagi substrata h

n_i = Saiz sampel bagi strata i

h = Substrata

i = Strata

Pertubuhan kategori substrata utama diliputi sepenuhnya, manakala pertubuhan bagi substrata kedua dan ketiga dipilih secara rawak mengikut kaedah pensampelan bersistematik.

9. WAJARAN

Analisis berwajaran disediakan menggunakan wajaran sampel bagi memastikan sampel yang dipilih dapat menggambarkan populasi survei. Wajaran yang diperlukan adalah wajaran di peringkat reka bentuk pensampelan dan tiada respons.

Wajaran reka bentuk pensampelan pada substrata h adalah seperti berikut :

$$W_h = \frac{N_h}{n_h}, \quad h = 1, \dots, 4$$

di mana;

N_h = Bilangan populasi bagi substrata h ; dan

n_h = Bilangan sampel bagi substrata h

Wajaran tiada respons pada substrata h adalah seperti berikut :

$$NRW_h = \frac{1}{\frac{n'_h}{n_h}} \quad h = 1, \dots, 4$$

di mana;

$$n'_h = \text{Bilangan sampel respons bagi substrata } h$$

$$n_h = \text{Bilangan sampel bagi substrata } h$$

Kaedah pengiraan wajaran reka bentuk pensampelan selepas survei (*adjusted weight*) pada substrata h seperti berikut:

$$W'_h = W_h \times NRW_h, \quad h = 1, \dots, 4$$

di mana;

$$W_h = \text{Wajaran reka bentuk pensampelan pada substrata } h$$

$$NRW_h = \text{Wajaran tiada respons pada substrata } h$$

10. UNIT MELAPOR

Unit melapor bagi survei ini ialah **pertubuhan**. Sesebuah pertubuhan ditakrifkan sebagai "satu unit ekonomi yang bergiat di bawah satu hak milik atau penguasaan tunggal, iaitu di bawah satu entiti yang sah. Ia menjalankan satu jenis aktiviti ekonomi utama di satu tempat / lokasi fizikal". Setiap pertubuhan diberikan klasifikasi industri berdasarkan aktiviti utamanya. Bagi pertubuhan yang menjalankan pelbagai aktiviti, unit yang bergiat dalam aktiviti yang berasingan dalam satu lokasi yang sama adalah terdiri daripada entiti pertubuhan yang berbeza. Oleh itu, setiap cawangan daripada organisasi yang mempunyai pelbagai cawangan di lokasi yang berbeza dari segi konsep dianggap sebagai pertubuhan yang berlainan. Pertubuhan berkenaan diminta memberikan penyata yang berasingan bagi setiap kegiatannya dari segi nilai. Walau bagaimanapun, dari segi praktisnya akaun biasanya disediakan secara berpusat kerana kesukaran untuk memperoleh data yang berasingan bagi setiap unit atau cawangan. Entiti atau enterpris ini akan dianggap sebagai satu unit pelapor dan dibenarkan mengemukakan soal selidik yang menggabungkan semua unit atau cawangannya.

11. NILAI JUALAN

Nilai jualan yang dilaporkan merujuk kepada nilai jualan produk sendiri sahaja. Ini bermaksud jualan produk yang berlaku dalam bulan laporan, sama ada produk tersebut telah dibuat/dihasilkan oleh pertubuhan pada bulan tersebut atau bulan-bulan sebelumnya. Nilai jualan adalah berdasarkan kepada nilai bersih di kilang dan berkaitan dengan kuantiti yang dijual. Penilaian harga yang dikenakan kepada pelanggan adalah tidak termasuk:

- a. diskaun atau rebat;
- b. bayaran untuk pengangkutan keluar;
- c. komisen kepada wakil-wakil penjual;
- d. bayaran lain seperti cukai eksais yang dibayar atau cukai jualan yang dipungut oleh kilang bagi pihak kerajaan; dan
- e. bayaran pemasangan, pembaikan dan pembinaan

12. BILANGAN PEKERJA BERGAJI

Bilangan pekerja bergaji meliputi seperti berikut:

- a. Pekerja bergaji (sepenuh masa) - Merujuk kepada semua pekerja bergaji yang bekerja sekurang-kurangnya 6 jam sehari dan sekurang-kurangnya 20 hari sebulan; dan
- b. Pekerja bergaji (sambilan) - Merujuk kepada semua pekerja bergaji yang bekerja kurang daripada 6 jam sehari dan/atau kurang daripada 20 hari sebulan.

13. GAJI & UPAH DIBAYAR

Gaji & upah yang dibayar merujuk kepada semua bayaran tunai, termasuk bonus, komisen, bayaran lebih masa, elaun kos sara hidup dan elaun lain yang dibayar kepada semua pekerja bergaji dalam bulan rujukan. Caruman Kumpulan Wang Simpanan Pekerja (KWSP) serta Pertubuhan Keselamatan Sosial (PERKESO) turut dimasukkan tetapi caruman oleh majikan dikecualikan. Elaun kepada pemilik yang bekerja, rakan niaga yang bekerja dan pekerja keluarga tidak bergaji, bayaran pampasan dan saguhati kerana pemberhentian adalah juga dikecualikan.

14. KEPERLUAN KERAHSIAAN

Survei ini dijalankan di bawah peruntukan Akta Perangkaan 1965 (Disemak 1989). Akta ini mensyaratkan bahawa kandungan penyata individu adalah SULIT. Selaras dengan peruntukan dalam Akta tersebut, hanya angka agregat akan diterbitkan.

15. PINDAAN

Pindaan akan dibuat ke atas statistik yang telah diterbitkan berdasarkan data terkini yang diperoleh.

16. PEMBUNDARAN

Perjumlahan komponen mungkin berbeza dengan angka jumlah besar disebabkan pembundaran.

17. SIMBOL DAN SINGKATAN

Simbol-simbol berikut telah digunakan dalam keseluruhan penerbitan:-

t.t.t.l. : tidak terkelas di tempat lain

RM : Ringgit Malaysia

18. PELARASAN MUSIM

Data siri masa adalah amat berguna untuk ahli ekonomi, pembuat dasar & keputusan serta penganalisis siri masa untuk mengenal pasti ciri-ciri penting siri ekonomi seperti arah aliran, *turning point* dan konsistensi antara penunjuk ekonomi yang lain. Kadangkala ciri ini sukar untuk diperhatikan kerana pergerakan bermusim. Oleh itu, sekiranya kesan bermusim boleh disingkirkan, arah aliran data siri ini dapat dilihat dengan lebih baik. Anggaran dan penyingkiran kesan bermusim dipanggil pelarasan bermusim.

Pelarasan bermusim adalah satu proses untuk mengenal pasti dan menyingkirkan bentuk pola bermusim yang biasa berlaku dalam tempoh satu tahun, yang mungkin juga merangkumi pengaruh dari kesan cuti yang bergerak dan hari bekerja/berdagang bagi suatu tempoh. Objektif utama proses ini adalah untuk menyerlahkan arah aliran dan pergerakan-pergerakan jangka pendek dalam siri ini.

Di Malaysia, kebanyakan data siri masa dipengaruhi oleh kesan bermusim. Oleh itu, untuk menghapus dan melaras kesan bermusim data siri masa ekonomi Malaysia, pakej standard pelarasan bermusim, X-12 ARIMA telah digunakan oleh Jabatan Perangkaan, Malaysia. Data siri masa ekonomi Malaysia juga kerap dipengaruhi oleh perayaan agama utama seperti Aidil Fitri bagi umat Islam, Tahun Baru Cina untuk kaum Cina dan Deepavali untuk kaum India. Tarikh perayaan-perayaan ini tetap mengikut tahun lunar tetapi berbeza-beza mengikut kalendar Gregorian. Oleh itu, untuk menganggar dan menyingkirkan kesan cuti yang bergerak dari data siri masa, satu prosedur telah dibangunkan iaitu *Seasonal Adjustment For Malaysia (SEAM)*.

TECHNICAL NOTES

1. OBJECTIVE

The main objective of this publication is to provide statistics on the latest trend of main indicators in the Manufacturing sector, ie. **sales value, number of employees, salaries & wages** and **the production of main products manufactured** which is collected through Monthly Manufacturing Survey. This statistics assists users in policy formulation and decision making.

2. BENCHMARKING

After conducting the Economic Census 2016 (reference year 2015), Department of Statistics Malaysia (DOSM) has reviewed and carried out the benchmarking process towards the manufacturing statistics collected from the Monthly Manufacturing Survey. The benchmarking process is done to enable the series of values of annual estimates derived from short term survey consistent and match with the annual value from census/annual survey of the benchmark year. The benchmark process adapted the guideline of the Quarterly National Accounts Manual 2017 edition, International Monetary Fund to meet the objectives as follows:

- to estimate monthly data that are temporally consistent with the annual data: that is, to ensure that the sum of the monthly data is equal to the annual benchmark;
- to preserve as much as possible the monthly movements in the indicator under the restrictions provided by the annual data; and
- to ensure, for forward series, that the sum of the monthly of the current year is as close as possible to the unknown future annual data.

The benchmarking statistics is compiled on sales value, number of employees and salaries & wages and being published starting from January 2020. The base (benchmark) year using the Economic Census 2016 (reference year 2015) and pro rata and extrapolation method is used in the benchmarking process.

Pro rata Method:

$$M^iV = \frac{M^iI}{\sum_{i=1}^{12} M^iI} x ADT$$

where

MⁱV new derived monthly variables estimates

MⁱI monthly indicator series

ADT annual benchmark data

Extrapolation Method:

$$V_t = V_{t-1} * G_{t-1,t}$$

where

V_t value of variable

G_{t-1,t} growth from t-1 to t



3. SCOPE AND COVERAGE

Data collected in the Monthly Manufacturing Survey covered the whole of Malaysia. Since January 2020, this publication presents weighted statistics which represent the population sample of 251 industries in Manufacturing sector. Data for industries with less than three establishments was combined to the closest industry to ensure the confidentiality of the respondents as stipulated under the Statistics Act 1965 (Revised-1989).

4. SOURCE OF FRAME

The source of frame is from Malaysia Statistical Business Register (MSBR) where the main information is from census and survey conducted by the Department of Statistics Malaysia (DOSM) and administrative data. The main source of the administrative data is from the Companies Commission of Malaysia (CCM). In addition, DOSM also collaborates and yield information from over 50 other agencies such as the Employees Provident Fund (EPF), Royal Malaysian Customs Department (RMCD), Inland Revenue Board (IRB), Local Authorities and other Professional Bodies. The frame is updated continuously by taking into account of new establishments and to record any changes in the establishment status such as closed down, not in operation, change in types of activity and location or postal addresses to ensure that the information in the frame is at the most current status.

5. TYPE OF BUSINESS ACTIVITY

Type of business activity is divided into primary and secondary. The primary activity refers to the activities which focus on its main resources and income. Secondary activities are defined as those incidental or ancillary to the primary activity. The classification of the establishment's industry is based on the primary activity and the Malaysia Standard Industrial Classification (MSIC 2008) Version 1.0 according to the International Standard Industrial Classification of All Economic Activities (ISIC), Rev. 4, United Nations, with modifications to suit local conditions.

6. CONCEPT AND DEFINITION

Concepts and definitions used are in line with the manual of Recommendations for Industrial Statistics 2008, United Nations Statistics Division. The definition of manufacturing used in this survey is consistent with Malaysia Standard Industrial Classification (MSIC) 2008 Ver. 1.0.

Manufacturing is defined as the physical or chemical transformation of materials or components into new products, whether the work is performed by power-driven machines or by hand, whether it is done in a factory or in the worker's home, and whether the products are sold at wholesale or retail.

7. SAMPLING DESIGN

Sampling design of the survey is a one-stage stratified random sampling. The establishment is classified as sampling unit while a few categories of stratum was identified.

Each stratum has been set up to three substrata to ensure the distributed sample takes into account the economic characteristics of the stratum. The main substratum is heterogeneous and was fully covered. Whereas, other substratum that are homogeneous were sampled.

Main substratum include large establishments which have a significant total revenue in the respective industry while for the second and third substratum are based on small and medium enterprise (SME) categories.

8. SAMPLE SIZE

The main statistics used to estimate the sample size is the sales value. The formula used in the estimation of the sample size for a stratum is as follows:

$$n = \frac{(\sum N_i S_i)^2}{V + \sum N_i S_i^2}$$

where;

n = Sample size

N_i = Population size for stratum i

S_i^2 = Variance for stratum i

V = Desired variance

$$V = RSE^2 \cdot \left(\frac{\hat{Y}_i}{Z} \right)^2$$

where;

$\hat{Y}_i$ = Estimated sales value for stratum

RSE = Relative standard error

Z = Value of confidence level

Sample is distributed to substratum of the industry using Neyman Allocation method as follows:

$$n_{hi} = \left(\frac{N_h S_h}{\sum N_h S_h} \right) n_i$$

$h = 2, 3 \text{ and } 4$

$i = 1, 2, \dots k$

where;

n_{hi} = Sample size for substratum h of stratum i

N_h = Population size for substratum h

S_h = Standard deviation for substratum h

n_i = Sample size for stratum i

h = Substratum

i = Stratum

Establishments of the main substratum were fully covered while establishments of the second and third substratum were randomly selected using systematic random sampling.

9. WEIGHTED

Weighted analysis is done using sampling weight to ensure that the selected sample can reflect population survey. The weights required are the sampling design and non response weights.

The sampling design weight for the establishment at substratum h is as follows:

$$W_h = \frac{N_h}{n_h}, \quad h = 1, \dots, 4$$

where,

N_h = Total population of substratum h ; and

n_h = Total sample of substratum h

Non response weight at substratum h as below:

$$NRW_h = \frac{1}{\frac{n'_h}{n_h}}, h = 1, \dots, 4$$

where,

n'_h = Number of response in sample size for substratum h

n_h = Number of sample size for substratum h

The method of calculating the sampling design weight after the survey (adjusted weight) on substratum h as below:

$$W'_h = W_h \times NRW_h, h = 1, \dots, 4$$

where,

W_h = Sampling design weight at substratum h

NRW_h = Non response weight at substratum h

10. REPORTING UNIT

The reporting unit used in the survey was the **establishment**. An establishment is defined as "an economic unit engaged in one activity, under a single legal entity and operating in a single physical location". Each establishment was assigned an industry classification based on its principal activity. In the case of a multi-activity entity, units engaged in separate activities in the same location constituted distinct establishments. Thus, each branch of a multi-branch organisation at a different location was conceptually treated as a different establishment. The establishment was requested to give separate returns for each activity in terms of value. However, if in practice, the accounts were centrally kept such that it was not possible to obtain separate data for each individual unit or branch. The entity or enterprise was treated as a single reporting unit and allowed to submit a consolidated questionnaire covering all the units or branches.

11. VALUE OF SALES

The reported sales value refers to the sales value of their own products. This relates to sales of goods made on the reporting month, whether the products were produced/manufactured by the establishment during the month or in the other months previously. The sales value was net selling price (ex-factory) value relating to the quantity sold. The valuation price charged to customers were excluding:

- a. discounts or rebates;
- b. Charges for carriage outwards;
- c. commissions to selling agents;
- d. all other charges such as excise duties paid, sales tax collected by the factory on behalf of the government; and
- e. Installation, repairs and construction charges.

12. NUMBER OF PAID EMPLOYEES Number of paid employees cover as follows:

- a. Paid employees (full-time) - Refers to those who work for at least 6 hours a day and 20 days a month; and
- b. Paid employees (part-time) - Refers to all paid workers who work for less than 6 hours a day and/or less than 20 days a month.

13. SALARIES & WAGES PAID

Salaries & wages paid refers to all cash payments, including bonuses, commissions, overtime wages, cost of living allowances and other allowances made to all employees during the reference month. The employees' contribution to Employees' Provident Fund (EPF) and Social Security Organisation (SOCSO) is included but the employer's contribution is excluded. Allowances to working proprietors, working partners and unpaid family workers and severance and termination pay are not included.

14. CONFIDENTIALITY REQUIRED

The survey is conducted under the provisions of the Statistics Act 1965 (Revised-1989). The Act stipulates that the contents of individual returns are CONFIDENTIAL. In conformity with the stipulations of this Act, only aggregated figures are published.

15. REVISIONS

Revisions will be made to the published figures based on the latest data available.

16. ROUNDING

The sum of the component figures may not tally with the sub-total or total figures due to rounding.

17. SYMBOLS AND ABBREVIATIONS

The following symbols have been used throughout the publication:-

n.e.c.: not elsewhere classified

RM : Malaysian Ringgit

18. SEASONAL ADJUSTMENT

Time-series data are very useful for economists, policy & decision makers and time-series analysts to identify the important features of economic series such as direction, turning point and consistency between other economic indicators. Sometimes this feature is difficult to observe because of seasonal movements. Thus, if the seasonal effect can be removed, the behaviour of the series would be better viewed. The estimation and removal of the seasonal effects is called seasonal adjustment.

Seasonal adjustment is a process to identify and to remove the regular within-a-year seasonal pattern, which may also include the influences of moving holidays and working/trading days effect in each period. The ultimate objective of the process is to highlight the underlying trends and short-term movements in the series.

In Malaysia, most of the time series data are affected by seasonal effects. Hence, to eliminate the seasonal effect as well as to seasonally adjust the Malaysian economic time series data, a standard seasonal adjustment package, X-12 ARIMA was used by Department of Statistics, Malaysia. Malaysian economic time series data also often affected by major religious festivals such as Eid-ul Fitr for Muslims, Chinese New Year to the Chinese and the Indian Deepavali. These festivals' dates are fixed according to the lunar year but vary according to the Gregorian calendar. Therefore, to estimate and remove moving holiday effect from time-series data, a procedure was developed, namely Seasonal Adjustment for Malaysia (SEAM).