



**JABATAN PERDANA MENTERI
JABATAN PERANGKAAN MALAYSIA**

PRODUKTIVITI BURUH

LABOUR PRODUCTIVITY

SUKU KEDUA 2022

SECOND QUARTER 2022

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"

Please be informed that the Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20 each year. MyStats Day theme is "Connecting the World With Data We Can Trust"

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DEPARTMENT OF STATISTICS MALAYSIA**

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KATA PENGANTAR

Penerbitan ini memaparkan statistik suku tahunan produktiviti buruh di Malaysia bagi suku tahun kedua 2022. Konsep produktiviti buruh yang digunakan merujuk kepada nisbah antara nilai ditambah dan input iaitu jam bekerja dan pekerja. Statistik yang diterbitkan adalah berdasarkan saranan daripada *System of National Accounts 2008*, *The United Nations* dan *The Organisation for Economic Co-operation and Development Manual: Measuring Productivity*.

Data suku tahunan yang dibentangkan dalam penerbitan ini bermula dari suku tahun pertama 2018 hingga suku tahun kedua 2022. Anggaran nilai ditambah pada harga malar dinilai pada harga asas 2015 selaras dengan pengasasan semula Statistik Akaun Negara.

Statistik ini disusun mengikut aktiviti ekonomi bagi memenuhi keperluan *Malaysia Productivity Blueprint*. Maklumat yang dihasilkan boleh dijadikan petunjuk utama dalam mengukur produktiviti negara bagi pembentukan, pelaksanaan dan pemantauan polisi serta prestasi ekonomi. Statistik ini juga menjadi rujukan penyelidik, ahli akademik, organisasi sektor swasta dan individu.

Terdapat empat bahagian di dalam penerbitan ini. Bahagian pertama memaparkan ringkasan penemuan utama statistik produktiviti buruh. Jadual perangkaan terperinci dipaparkan di bahagian kedua manakala jadual indeks produktiviti buruh di bahagian ketiga. Sementara itu, aspek teknikal seperti skop dan liputan, konsep dan definisi serta pemboleh ubah utama yang digunakan disediakan di bahagian keempat bagi memudahkan pengguna memahami statistik yang diterbitkan.

Jabatan Perangkaan Malaysia merakamkan setinggi-tinggi penghargaan atas kerjasama semua pihak yang terlibat dalam menjayakan penerbitan ini. Sebarang cadangan dan pandangan untuk penambahbaikan laporan ini pada masa hadapan amatlah dihargai.

DATO' SRI DR. MOHD UZIR MAHIDIN

Ketua Perangkawan Malaysia

Ogos 2022

PREFACE

This publication presents quarterly labour productivity statistics in Malaysia for the second quarter of 2022. The concept of labour productivity used refers to the ratio between value added and input namely hours worked and employment. The statistics published are based on the recommendations of the System of National Accounts 2008, The United Nations and The Organisation for Economic Co-operation and Development Manual: Measuring Productivity.

Quarterly data presented in this publication commences from the first quarter of 2018 to the second quarter of 2022. The value added estimates in constant prices are expressed in 2015 prices in tandem with the rebasing of National Accounts Statistics.

The information is produced by economic activity to fulfil the requirements of the Malaysia Productivity Blueprint. The statistics provided can be used as an important indicator in measuring national productivity for the formulation, implementation and monitoring policy as well as performance of the economy. The statistics also serve as an essential reference to analysts, economists, academician, private sector organisations and individuals.

This publication is divided into four sections. The first section presents the summary of findings of the statistics on labour productivity. The second section of this publication provides detailed statistical tables with labour productivity indices in section three. Meanwhile, technical aspects such as scope and coverage, concepts and definitions as well as key variables used are described in the fourth section to facilitate and assist users' understanding of the published statistics.

The Department of Statistics, Malaysia gratefully acknowledges all parties involved in the success of this publication. All comments and suggestions towards improving this publication in the future are appreciated.

DATO' SRI DR. MOHD UZIR MAHIDIN

Chief Statistician Malaysia

August 2022

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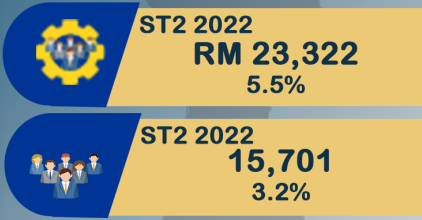
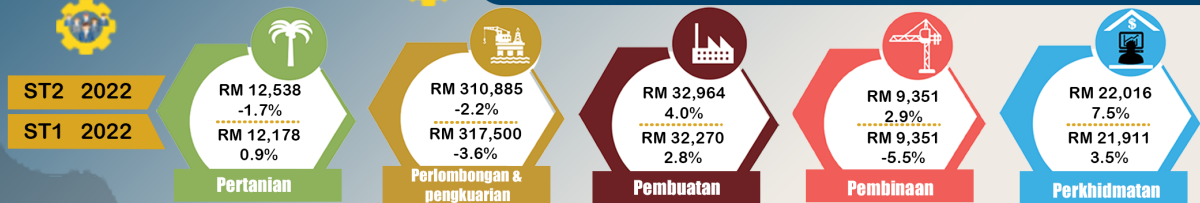
RINGKASAN PENEMUAN

Summary of Findings

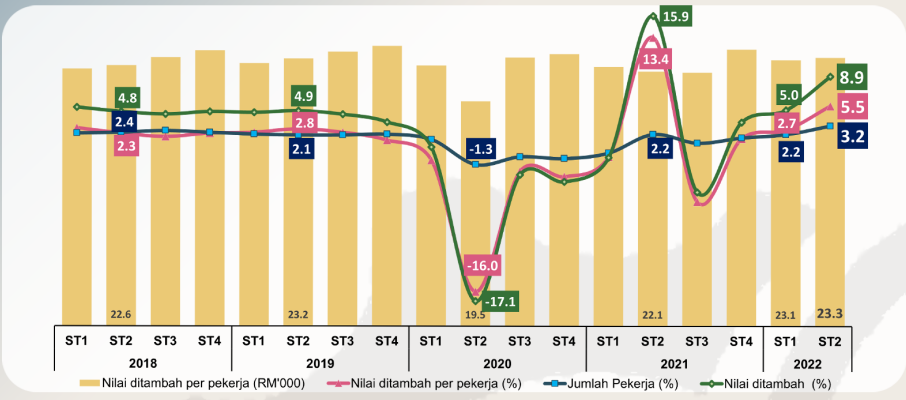


PRODUKTIVITI BURUH SUKU KEDUA 2022

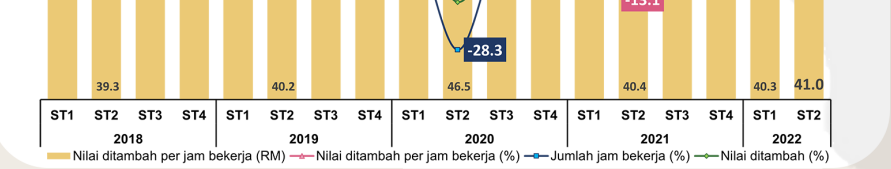
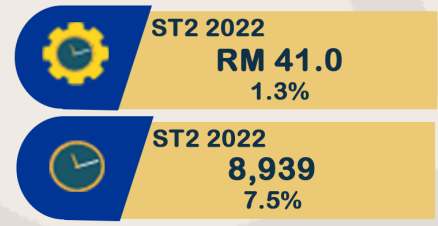
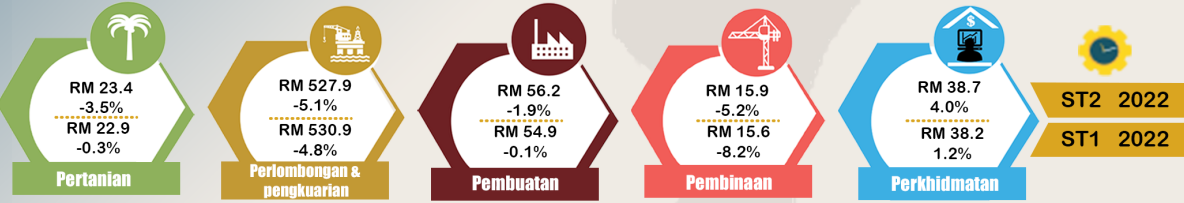
PRODUKTIVITI BURUH, NILAI DITAMBAH PER PEKERJA



Produktiviti buruh per pekerja meningkat **5.5%** pada ST2 2022 dengan nilai ditambah per pekerja adalah **RM 23,322** per pekerja.



PRODUKTIVITI BURUH, NILAI DITAMBAH PER JAM BEKERJA



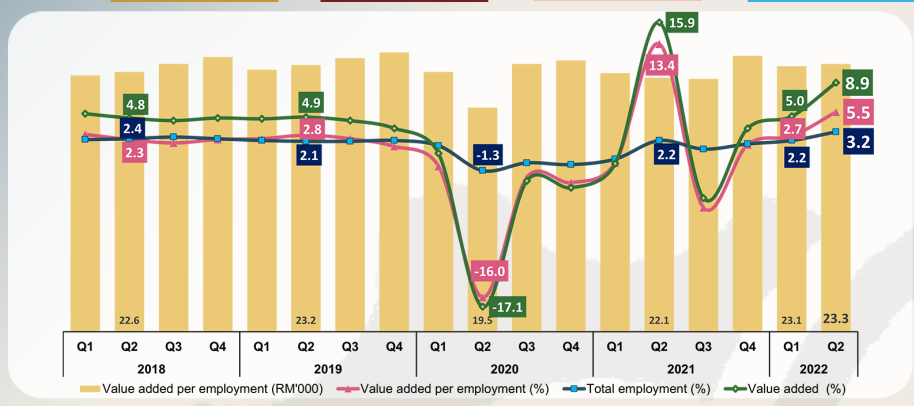
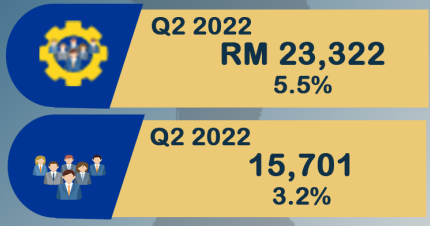
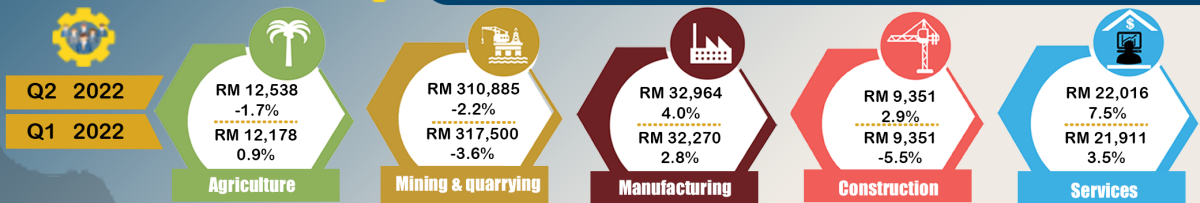
Produktiviti buruh per jam bekerja tumbuh pada kadar **1.3%** pada ST2 2022 manakala jam bekerja **naik 7.5%**.

Nota:
 1) 🏠 Produktiviti buruh per pekerja 🧑 Jumlah pekerja ('000 orang) ⚙️ Produktiviti buruh per jam bekerja 🕒 Jumlah jam bekerja (juta jam)
 2) % merujuk kepada perubahan peratusan tahunan daripada suku yang sama tahun sebelumnya.

Sumber: Produktiviti Buruh Suku Kedua 2022, Jabatan Perangkaan Malaysia (DOSM)

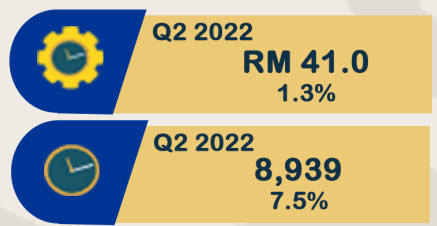
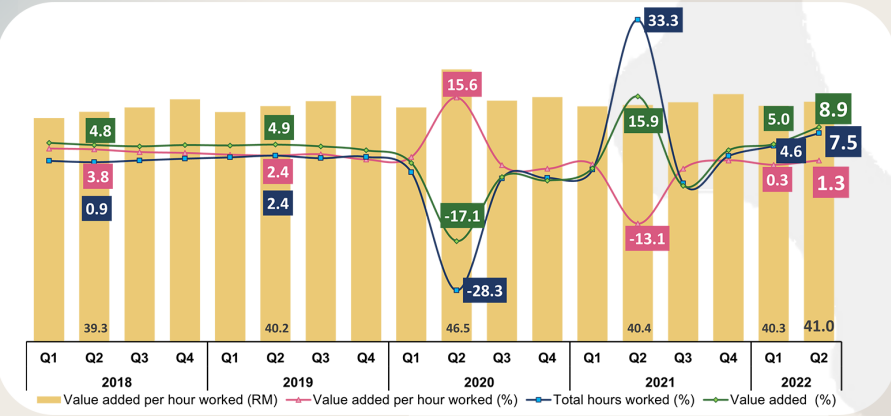
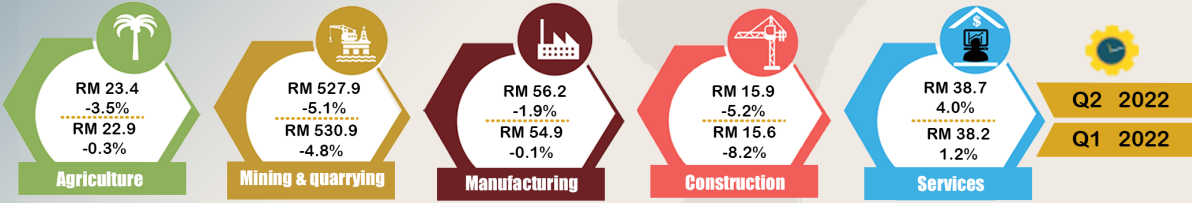
LABOUR PRODUCTIVITY OF SECOND QUARTER 2022

LABOUR PRODUCTIVITY, VALUE ADDED PER EMPLOYMENT



Labour productivity **increased** in Q2 2022 by **5.5%** with value added per employment at **RM 23,322** per person.

LABOUR PRODUCTIVITY, VALUE ADDED PER HOUR WORKED



Labour productivity per hour worked **grew 1.3%** in Q2 2022 while total hours worked **went up 7.5%**.

Notes:
1) Labour productivity per employment Total employment ('000 persons) Labour productivity per hour worked Total hours worked (million hours)
2) % refers to the annual percentage change from the same quarter of the previous year

Source: Labour Productivity, Second Quarter 2022, Department of Statistics Malaysia (DOSM)

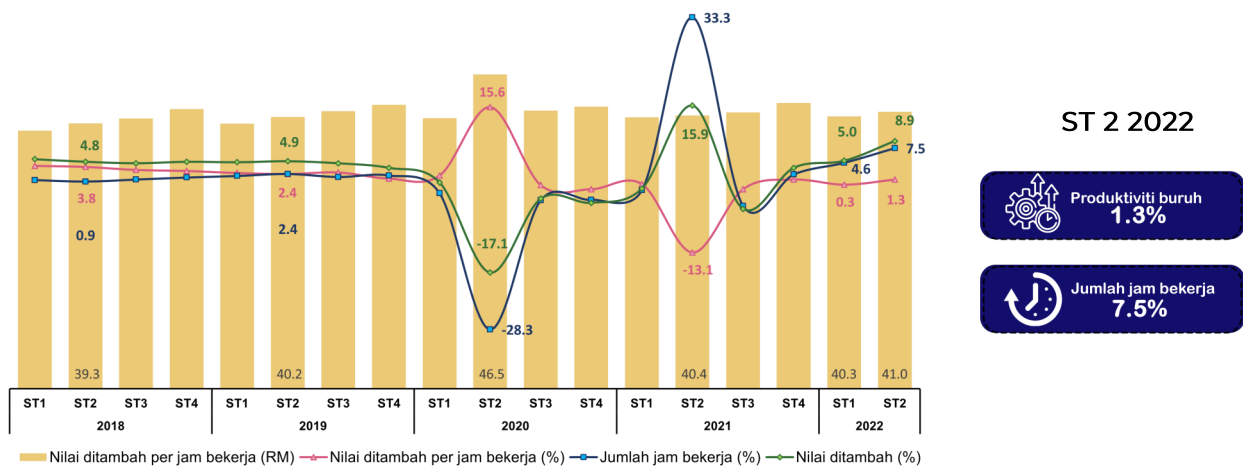
PRESTASI PRODUKTIVITI BURUH SUKU KEDUA 2022



PRODUKTIVITI BURUH MALAYSIA

Produktiviti buruh Malaysia yang dinyatakan dari segi nilai ditambah per jam bekerja meningkat **1.3 peratus**, tahun ke tahun seperti yang digambarkan dalam **Carta 1**. Pertumbuhan produktiviti buruh adalah selari dengan peningkatan Keluaran Dalam Negeri Kasar (KDNK) negara pada 8.9 peratus berbanding 5.0 peratus suku sebelumnya, manakala jumlah jam bekerja meningkat 7.5 peratus (ST1 2022: 4.6%).

Carta 1 Produktiviti Buruh per Jam Bekerja dan Jumlah Jam Bekerja, Perubahan Peratusan Tahunan, ST1 2018 - ST2 2022



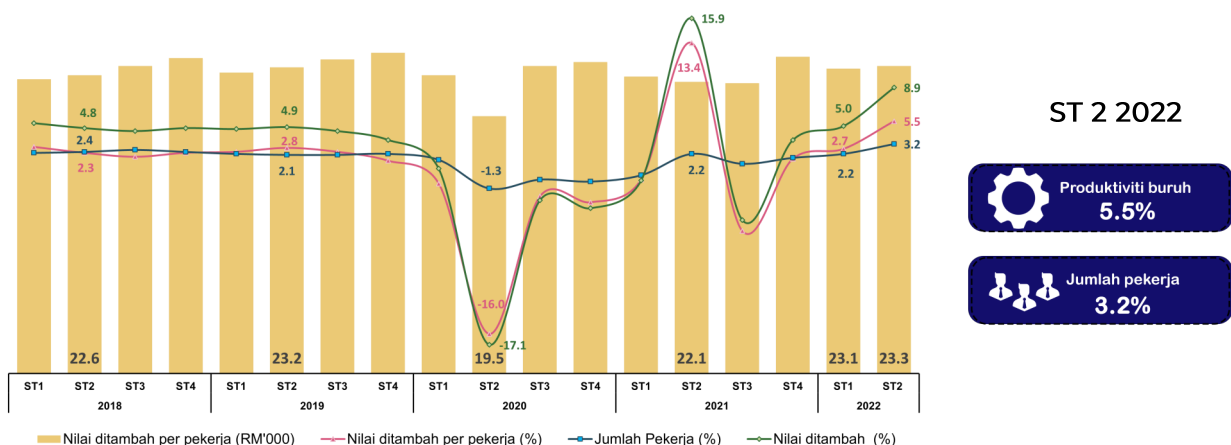
ST 2 2022

Produktiviti buruh
1.3%

Jumlah jam bekerja
7.5%

Produktiviti buruh seperti yang diukur dengan nilai ditambah per pekerja meningkat **5.5 peratus** (ST1 2022: 2.7%), sementara pekerja meningkat 3.2 peratus (ST1 2022: 2.2%) seperti yang ditunjukkan dalam **Carta 2**.

Carta 2 Produktiviti Buruh per Pekerja dan Jumlah Pekerja, Perubahan Peratusan Tahunan, ST1 2018 - ST2 2022



ST 2 2022

Produktiviti buruh
5.5%

Jumlah pekerja
3.2%

Produktiviti buruh mengikut nilai ditambah per jam bekerja pada suku ini adalah **RM41.0** (ST1 2022: RM40.3 per jam) manakala nilai ditambah per pekerja adalah **RM23,322** (ST1 2022: RM23,124 per pekerja).



PERTANIAN

Pada suku ini, produktiviti buruh per jam bekerja bagi sektor Pertanian jatuh 3.5 peratus, tahun ke tahun apabila nilai ditambah menguncup 2.4 peratus manakala jam bekerja meningkat 1.1 peratus seperti yang ditunjukkan dalam **Paparan 1**.

Sementara itu, produktiviti buruh mengikut nilai ditambah per pekerja bagi sektor ini menurun 1.7 peratus pada suku kedua 2022 dengan pekerja berkurang marginal 0.7 peratus.

Pada suku kedua 2022, nilai ditambah per jam bekerja bagi sektor ini adalah RM23.4 (ST1 2022: RM22.9 per jam), manakala nilai ditambah per pekerja adalah RM12,538 (ST1 2022: RM12,178 per pekerja).

Paparan 1 Produktiviti Buruh Sektor Pertanian, ST2 2021, ST1 & ST2 2022

	ST2 22	YoY		QoQ		
		ST2 21	ST1 22	ST2 22	ST1 22	ST2 22
Produktiviti buruh per pekerja	RM 12,538	-3.3%	0.9%	-1.7%	-9.5%	3.0%
Jumlah pekerja ('000 orang)	1,872	1.8%	-0.8%	-0.7%	0.3%	1.0%
Nilai ditambah (juta)	RM 23,472	-1.5%	0.1%	-2.4%	-9.3%	4.0%
Produktiviti buruh per jam bekerja	RM 23.4	-15.6%	-0.3%	-3.5%	-9.7%	2.4%
Jumlah jam bekerja (juta jam)	1,002,142	16.7%	0.4%	1.1%	0.4%	1.5%

Nota:
YoY: Pertumbuhan tahun ke tahun
QoQ: Pertumbuhan suku ke suku




PERLOMBONGAN DAN PENGKUARIAN

Bagi sektor Perlombongan dan pengkuarian, **produktiviti buruh yang dinyatakan sebagai nilai ditambah per jam bekerja menguncup 5.1 peratus**, tahun ke tahun apabila nilai ditambah bagi sektor ini mencatatkan penurunan marginal 0.5 peratus dan jam bekerja melonjak 4.8 peratus seperti yang digambarkan dalam **Paparan 2**.

Produktiviti buruh mengikut nilai ditambah per pekerja jatuh 2.2 peratus (ST2 2021: 10.8%) dengan peningkatan pekerja 1.8 peratus pada suku tersebut.

Dari segi nilai produktiviti buruh, **nilai ditambah per jam bekerja dan nilai ditambah per pekerja masing-masing adalah RM527.9** (ST2 2021: RM556.0 per jam) **dan RM310,885** (ST2 2021: RM317,929 per pekerja).

Paparan 2 Produktiviti Buruh Sektor Perlombongan dan pengkuarian, ST2 2021, ST1 & ST2 2022



	ST2 22	YoY		QoQ		
		ST2 21	ST1 22	ST2 22	ST1 22	ST2 22
Produktiviti buruh per pekerja	RM 310,885	10.8%	-3.6%	-2.2%	1.0%	-2.1%
Jumlah pekerja ('000 orang)	76	-0.2%	2.6%	1.8%	-0.14%	-0.15%
Nilai ditambah (juta)	RM 23,531	10.6%	-1.1%	-0.5%	0.8%	-2.2%
Produktiviti buruh per jam bekerja	RM 527.9	-9.8%	-4.8%	-5.1%	-0.3%	-0.6%
Jumlah jam bekerja (juta jam)	44,573	22.6%	3.9%	4.8%	1.1%	-1.7%

Nota:
YoY: Pertumbuhan tahun ke tahun
QoQ: Pertumbuhan suku ke suku




PEMBUATAN

Pada suku kedua 2022, **produktiviti buruh dari segi nilai ditambah per jam bekerja menurun pada 1.9 peratus**, tahun ke tahun berbanding negatif 4.2 peratus pada suku sama tahun sebelumnya. Pertumbuhan nilai ditambah terus mengukuh pada kadar 9.2 peratus dengan jam bekerja meningkat 11.3 peratus (ST2 2021: 32.3%) seperti ditunjukkan dalam **Paparan 3**. Tiga subsektor yang mencatatkan penurunan produktiviti paling tinggi adalah Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan (-7.3%); Produk tekstil, pakaian dan kulit (-6.9%); dan Produk kayu, perabot, keluaran kertas & percetakan (-6.4%).

Produktiviti buruh mengikut nilai ditambah per pekerja meningkat 4.0 peratus (ST2 2021: 23.2%) dengan peningkatan pekerja pada 4.9 peratus (ST2 2021: 2.8%).

Dari segi nilai, produktiviti buruh yang diukur sebagai nilai ditambah per jam bekerja adalah RM56.2 (ST2 2021: RM57.4 per jam) manakala **nilai ditambah per pekerja adalah RM32,964** (ST2 2021: RM31,693 per pekerja).

Paparan 3 Produktiviti Buruh Sektor Pembuatan,
ST2 2021, ST1 & ST2 2022



	ST2 22	YoY			QoQ	
		ST2 21	ST1 22	ST2 22	ST1 22	ST2 22
Produktiviti buruh per pekerja	RM 32,964	23.2%	2.8%	4.0%	-5.9%	2.2%
Jumlah pekerja ('000 orang)	2,705	2.8%	3.7%	4.9%	0.9%	0.1%
Nilai ditambah (juta)	RM 89,153	26.7%	6.6%	9.2%	-5.1%	2.3%
Produktiviti buruh per jam bekerja	RM 56.2	-4.2%	-0.1%	-1.9%	-5.9%	2.5%
Jumlah jam bekerja (juta jam)	1,584,962	32.3%	6.8%	11.3%	0.9%	-0.2%

Nota:
YoY: Pertumbuhan tahun ke tahun
QoQ: Pertumbuhan suku ke suku



PEMBINAAN

Berasaskan tahun ke tahun, nilai ditambah per jam bekerja bagi sektor Pembinaan menurun **5.2 peratus** (ST2 2021: -7.8%) apabila nilai ditambah bagi sektor ini naik 2.4 peratus manakala jam bekerja berkembang 8.0 peratus seperti yang ditunjukkan dalam **Paparan 4**.

Sementara itu, **produktiviti buruh yang diukur sebagai nilai ditambah per pekerja mencatatkan pertumbuhan positif sebanyak 2.9 peratus** (ST2 2021: 37.6%) dengan penurunan pekerja pada 0.5 peratus.

Nilai ditambah per jam bekerja adalah **RM15.9** (ST2 2021: RM16.8 per jam) manakala **nilai ditambah per pekerja bagi sektor ini adalah RM9,351** (ST2 2021: RM9,084 per pekerja).

Paparan 4 Produktiviti Buruh Sektor Pembinaan, ST2 2021, ST1 & ST2 2022

	ST2 22	YoY		QoQ		
		ST2 21	ST1 22	ST2 22	ST1 22	ST2 22
Produktiviti buruh per pekerja	RM 9,351	37.6%	-5.5%	2.9%	3.0%	0.0%
Jumlah pekerja ('000 orang)	1,383	1.9%	-0.6%	-0.5%	-0.3%	0.1%
Nilai ditambah (juta)	RM 12,929	40.3%	-6.2%	2.4%	2.6%	0.1%
Produktiviti buruh per jam bekerja	RM 15.9	-7.8%	-8.2%	-5.2%	0.7%	1.6%
Jumlah jam bekerja (juta jam)	814,376	52.2%	2.3%	8.0%	1.9%	-1.5%

Nota:
YoY: Pertumbuhan tahun ke tahun
QoQ: Pertumbuhan suku ke suku



PERKHIDMATAN

Pada suku ini, **produktiviti buruh yang dinyatakan sebagai nisbah nilai ditambah per jam bekerja bertumbuh pada kadar 4.0 peratus**, tahun ke tahun apabila nilai ditambah bagi sektor ini melonjak 12.0 peratus dan jam bekerja bertambah 7.7 peratus seperti yang digambarkan dalam **Paparan 5**. Subsektor Makanan & minuman dan penginapan; Pengangkutan & penyimpanan; serta Hartanah & perkhidmatan perniagaan mencatatkan pertumbuhan positif dua digit iaitu masing-masing 25.4 peratus, 20.6 peratus dan 15.3 peratus.

Sementara itu, **produktiviti buruh per pekerja bagi sektor Perkhidmatan meningkat 7.5 peratus** (ST2 2021: 11.1%) dengan pekerja bertambah 4.2 peratus (ST2 2021: 2.1%).

Pada suku kedua 2022, nilai ditambah per jam bekerja bagi sektor Perkhidmatan adalah RM38.7 (ST2 2021: RM37.3 per jam) manakala **nilai ditambah per pekerja adalah RM22,016** (ST2 2021: RM20,480 per pekerja).

Paparan 5 Produktiviti Buruh Sektor Perkhidmatan,
ST2 2021, ST1 & ST2 2022

	ST2 22	YoY			QoQ	
		ST2 21	ST1 22	ST2 22	ST1 22	ST2 22
Produktiviti buruh per pekerja	RM 22,016	11.1%	3.5%	7.5%	-3.1%	0.5%
Jumlah pekerja ('000 orang)	9,666	2.1%	2.8%	4.2%	1.2%	1.1%
Nilai ditambah (juta)	RM 212,812	13.4%	6.5%	12.0%	-2.0%	1.6%
Produktiviti buruh per jam bekerja	RM 38.7	-15.9%	1.2%	4.0%	-4.2%	1.5%
Jumlah jam bekerja (juta jam)	5,492,873	34.9%	5.2%	7.7%	2.3%	0.1%

Nota:

YoY: Pertumbuhan tahun ke tahun
QoQ: Pertumbuhan suku ke suku

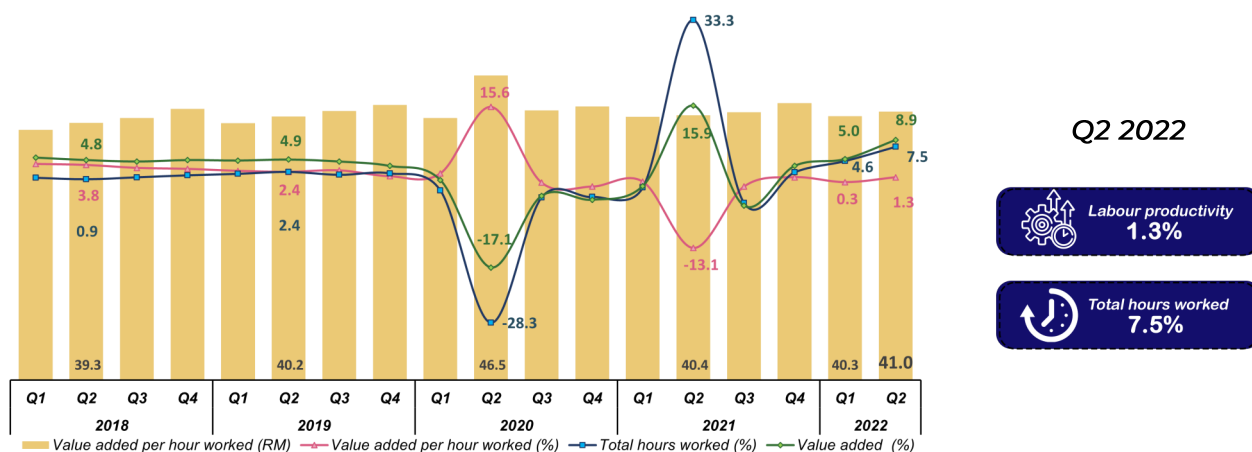
LABOUR PRODUCTIVITY PERFORMANCE OF SECOND QUARTER 2022



MALAYSIA'S LABOUR PRODUCTIVITY

Malaysia's labour productivity as expressed in terms of value added per hour worked improved 1.3 per cent, year-on-year as illustrated in Chart 1. The growth of labour productivity was in tandem with the expansion of the country's Gross Domestic Product (GDP) at 8.9 per cent as compared to 5.0 per cent in the last quarter, while total hours worked went up 7.5 per cent (Q1 2022: 4.6%).

Chart 1 Labour Productivity per Hour Worked and Total Hours Worked, Annual Percentage Change, Q1 2018 - Q2 2022



Q2 2022



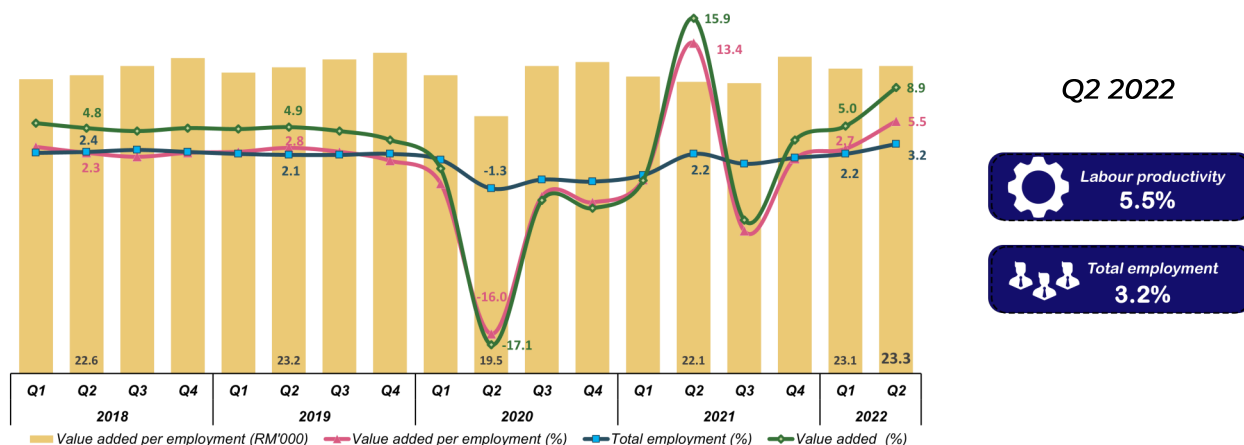
Labour productivity
1.3%



Total hours worked
7.5%

Labour productivity as measured by value added per employment rose 5.5 per cent (Q1 2022: 2.7%), as employment increased 3.2 per cent (Q1 2022: 2.2%) as shown in Chart 2.

Chart 2 Labour Productivity per Employment and Total Employment, Annual Percentage Change, Q1 2018 - Q2 2022



Q2 2022



Labour productivity
5.5%



Total employment
3.2%

Labour productivity by value added per hour worked in this quarter was RM41.0 (Q1 2022: RM40.3 per hour) while value added per employment was RM23,322 (Q1 2022: RM23,124 per person).



AGRICULTURE

During the quarter, labour productivity per hour worked for Agriculture sector fell 3.5 per cent, year-on-year as value added contracted 2.4 per cent while hours worked increased 1.1 per cent as illustrated in **Exhibit 1**.

Meanwhile, labour productivity by value added per employment for this sector decreased 1.7 per cent in the second quarter of 2022 with employment declined marginal by 0.7 per cent.

In the second quarter 2022, level of value added per hour worked for this sector was RM23.4 (Q1 2022: RM22.9 per hour), while value added per employment was RM12,538 (Q1 2022: RM12,178 per person).

Exhibit 1 Labour Productivity of Agriculture Sector, Q2 2021, Q1 & Q2 2022

	Q2 22	YoY		QoQ		
		Q2 21	Q1 22	Q2 22	Q1 22	Q2 22
Labour productivity per employment	RM 12,538	-3.3%	0.9%	-1.7%	-9.5%	3.0%
Total employment ('000 persons)	1,872	1.8%	-0.8%	-0.7%	0.3%	1.0%
Value added (million)	RM 23,472	-1.5%	0.1%	-2.4%	-9.3%	4.0%
Labour productivity per hour worked	RM 23.4	-15.6%	-0.3%	-3.5%	-9.7%	2.4%
Total hours worked (million hours)	1,002,142	16.7%	0.4%	1.1%	0.4%	1.5%

Notes:
YoY: Year-on-year growth
QoQ: Quarter-on-quarter growth



MINING AND QUARRYING

In Mining and quarrying sector, **labour productivity expressed as value added per hour worked contracted by 5.1 per cent**, year-on-year as value added for this sector decreased marginal by 0.5 per cent while hours worked soared 4.8 per cent as portrayed in **Exhibit 2**.

Labour productivity by value added per employment declined 2.2 per cent (Q2 2021: 10.8%) as employment improved 1.8 per cent during the quarter.

In terms of labour productivity level, **the value added per hour worked and value added per employment was RM527.9** (Q2 2021: RM556.0 per hour) and **RM310,885** (Q2 2021: RM317,929 per person), respectively.

Exhibit 2 Labour Productivity of Mining and quarrying Sector, Q2 2021, Q1 & Q2 2022

	Q2 22	YoY		QoQ		
		Q2 21	Q1 22	Q2 22	Q1 22	Q2 22
Labour productivity per employment	RM 310,885	10.8%	-3.6%	-2.2%	1.0%	-2.1%
Total employment ('000 persons)	76	-0.2%	2.6%	1.8%	-0.14%	-0.15%
Value added (million)	RM 23,531	10.6%	-1.1%	-0.5%	0.8%	-2.2%
Labour productivity per hour worked	RM 527.9	-9.8%	-4.8%	-5.1%	-0.3%	-0.6%
Total hours worked (million hours)	44,573	22.6%	3.9%	4.8%	1.1%	-1.7%

Notes:
YoY: Year-on-year growth
QoQ: Quarter-on-quarter growth




MANUFACTURING

In the second quarter 2022, labour productivity in terms of value added per hour worked declined at 1.9 per cent, year-on-year as compared to negative 4.2 per cent in the same quarter last year. The growth of value added continued to strengthen at 9.2 per cent with hours worked increased 11.3 per cent (Q2 2021: 32.3%) as shown in **Exhibit 3**. Three sub-sectors that posted the highest decline in productivity were Vegetable and animal oils & fats and food processing (-7.3%); Textiles, wearing apparel and leather products (-6.9%); and Wood products, furniture, paper products & printing (-6.4%).

Labour productivity by value added per employment increased 4.0 per cent (Q2 2021: 23.2%) as employment rose 4.9 per cent (Q2 2021: 2.8%).

In terms of level, labour productivity measured as value added per hour worked was RM56.2 (Q2 2021: RM57.4 per hour) while value added per employment was RM32,964 (Q2 2021: RM31,693 per person).

Exhibit 3 Labour Productivity of Manufacturing Sector, Q2 2021, Q1 & Q2 2022



	Q2 22	YoY		QoQ		
		Q2 21	Q1 22	Q2 22	Q1 22	Q2 22
Labour productivity per employment	RM 32,964	23.2%	2.8%	4.0%	-5.9%	2.2%
Total employment ('000 persons)	2,705	2.8%	3.7%	4.9%	0.9%	0.1%
Value added (million)	RM 89,153	26.7%	6.6%	9.2%	-5.1%	2.3%
Labour productivity per hour worked	RM 56.2	-4.2%	-0.1%	-1.9%	-5.9%	2.5%
Total hours worked (million hours)	1,584,962	32.3%	6.8%	11.3%	0.9%	-0.2%

Notes:
YoY: Year-on-year growth
QoQ: Quarter-on-quarter growth



CONSTRUCTION

Year-on-year, value added per hour worked for Construction sector decreased 5.2 per cent (Q2 2021: -7.8%) as value added for this sector increased 2.4 per cent and hours worked expanded 8.0 per cent as depicted in Exhibit 4.

Meanwhile, labour productivity measured as value added per employment posted a growth of 2.9 per cent (Q2 2021: 37.6%) as employment fell 0.5 per cent.

Value added per hour worked was RM15.9 (Q2 2021: RM16.8 per hour) while value added per employment for this sector was RM9,351 (Q2 2021: RM9,084 per person).

Exhibit 4 Labour Productivity of Construction Sector, Q2 2021, Q1 & Q2 2022

	Q2 22	YoY		QoQ		
		Q2 21	Q1 22	Q2 22	Q1 22	Q2 22
Labour productivity per employment	RM 9,351	37.6%	-5.5%	2.9%	3.0%	0.0%
Total employment ('000 persons)	1,383	1.9%	-0.6%	-0.5%	-0.3%	0.1%
Value added (million)	RM 12,929	40.3%	-6.2%	2.4%	2.6%	0.1%
Labour productivity per hour worked	RM 15.9	-7.8%	-8.2%	-5.2%	0.7%	1.6%
Total hours worked (million hours)	814,376	52.2%	2.3%	8.0%	1.9%	-1.5%

Notes:
YoY: Year-on-year growth
QoQ: Quarter-on-quarter growth



SERVICES

During the quarter, **labour productivity expressed as ratio of value added per hour worked improved 4.0 per cent**, year-on-year as value added for this sector soared 12.0 per cent and hours worked went up by 7.7 per cent as illustrated in **Exhibit 5**. Sub-sectors of Food & beverages and accommodation; Transportation & storage; and Real Estate & business services recorded double-digit growths of 25.4 per cent, 20.6 per cent and 15.3 per cent, respectively.

Meanwhile, **labour productivity per employment for Services sector surged 7.5 per cent (Q2 2021: 11.1%)** as employment increased 4.2 per cent (Q2 2021: 2.1%).

In the second quarter 2022, level of value added per hour worked for Services sector was RM38.7 (Q2 2021: RM37.3 per hour) while value added per employment was RM22,016 (Q2 2021: RM20,480 per person).

Exhibit 5 Labour Productivity of Services Sector, Q2 2021, Q1 & Q2 2022

	Q2 22	YoY		QoQ		
		Q2 21	Q1 22	Q2 22	Q1 22	Q2 22
Labour productivity per employment	RM 22,016	11.1%	3.5%	7.5%	-3.1%	0.5%
Total employment ('000 persons)	9,666	2.1%	2.8%	4.2%	1.2%	1.1%
Value added (million)	RM 212,812	13.4%	6.5%	12.0%	-2.0%	1.6%
Labour productivity per hour worked	RM 38.7	-15.9%	1.2%	4.0%	-4.2%	1.5%
Total hours worked (million hours)	5,492,873	34.9%	5.2%	7.7%	2.3%	0.1%

Notes:
YoY: Year-on-year growth
QoQ: Quarter-on-quarter growth

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JADUAL

Tables

1a

Produktiviti buruh tahunan, nilai ditambah per jam bekerja mengikut aktiviti ekonomi, 2017 - 2021
Annual labour productivity, value added per hour worked by economic activity, 2017 - 2021

		(RM)				
Aktiviti ekonomi <i>Economic activity</i>		2017	2018	2019	2020 ^e	2021 ^p
1.	Pertanian <i>Agriculture</i>	25.6	25.7	25.8	26.2	25.0
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	540.2	558.3	556.3	554.4	533.3
3.	Pembuatan <i>Manufacturing</i>	48.9	50.5	51.7	55.3	57.0
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	30.0	30.9	30.4	32.6	31.0
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	190.6	185.6	187.4	184.1	190.7
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	12.3	12.0	12.1	10.8	11.2
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	25.8	26.6	28.3	30.7	32.2
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	85.2	87.3	90.7	95.4	100.2
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	38.7	40.6	41.7	40.3	40.1
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	59.3	62.0	63.6	72.4	76.5
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	58.4	61.3	64.7	73.6	69.0
4.	Pembinaan <i>Construction</i>	17.6	18.3	19.0	18.0	16.5
5.	Perkhidmatan <i>Services</i>	35.7	37.5	38.5	39.8	38.2
5.1	Utiliti <i>Utilities</i>	147.0	151.7	157.0	168.0	164.6
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	36.2	38.3	39.8	41.0	39.4
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	12.7	12.9	13.1	10.8	8.9
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	37.3	39.0	40.6	36.4	34.2
5.5	Maklumat dan komunikasi <i>Information and communication</i>	140.6	148.5	151.5	170.1	163.9
5.6	Kewangan dan insurans <i>Finance and insurance</i>	101.6	105.3	108.1	119.8	125.3
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	23.0	24.3	25.5	23.7	20.3
5.8	Perkhidmatan lain <i>Other services</i>	30.3	32.5	33.2	35.0	33.6
Produktiviti buruh <i>Labour productivity</i>		38.4	39.7	40.7	42.1	41.0

1b

Produktiviti buruh tahunan, nilai ditambah per jam bekerja mengikut aktiviti ekonomi, 2017 - 2021:
Perubahan peratusan tahunan
Annual labour productivity, value added per hour worked by economic activity, 2017 - 2021:
Annual percentage change

		(%)				
Aktiviti ekonomi Economic activity		2017	2018	2019	2020 ^e	2021 ^p
1.	Pertanian <i>Agriculture</i>	1.7	0.7	0.2	1.7	-4.6
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	-2.4	3.3	-0.4	-0.3	-3.8
3.	Pembuatan <i>Manufacturing</i>	3.6	3.3	2.5	6.9	3.1
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	8.1	2.8	-1.5	7.1	-4.7
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	1.3	-2.6	1.0	-1.8	3.5
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	7.5	-2.3	1.1	-11.3	4.5
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	7.1	3.3	6.4	8.5	4.8
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	0.6	2.5	3.8	5.2	5.1
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	-2.0	4.8	2.8	-3.4	-0.6
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	5.5	4.6	2.5	13.9	5.6
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	3.6	4.9	5.6	13.7	-6.2
4.	Pembinaan <i>Construction</i>	6.7	3.8	3.8	-5.0	-8.3
5.	Perkhidmatan <i>Services</i>	4.3	5.0	2.7	3.4	-4.2
5.1	Utiliti <i>Utilities</i>	5.2	3.2	3.4	7.0	-2.0
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	2.7	5.8	4.1	2.9	-3.9
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	3.5	2.0	1.3	-17.2	-17.6
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	6.6	4.3	4.3	-10.5	-5.8
5.5	Maklumat dan komunikasi <i>Information and communication</i>	0.8	5.6	2.0	12.3	-3.6
5.6	Kewangan dan insurans <i>Finance and insurance</i>	2.0	3.7	2.7	10.8	4.6
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	4.6	5.6	5.1	-7.3	-14.0
5.8	Perkhidmatan lain <i>Other services</i>	6.9	7.1	2.4	5.4	-4.0
Produktiviti buruh <i>Labour productivity</i>		3.7	3.5	2.3	3.5	-2.6

2a

Produktiviti buruh tahunan, nilai ditambah per pekerja mengikut aktiviti ekonomi, 2017 - 2021
Annual labour productivity, value added per employment by economic activity, 2017 - 2021

		(RM)				
Aktiviti ekonomi <i>Economic activity</i>		2017	2018	2019	2020 ^e	2021 ^p
1.	Pertanian <i>Agriculture</i>	54,102	54,040	54,225	53,114	52,786
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	1,313,956	1,367,042	1,363,562	1,259,637	1,242,406
3.	Pembuatan <i>Manufacturing</i>	119,011	121,860	123,881	120,645	128,807
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	68,302	68,713	69,312	69,029	67,306
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	466,084	461,884	469,493	426,241	436,636
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	25,302	24,763	24,763	21,551	22,444
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	65,105	68,046	70,662	67,085	71,577
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	218,504	223,805	226,277	219,726	239,387
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	97,835	100,423	104,049	90,283	93,119
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	149,008	153,500	155,087	158,915	177,534
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	142,021	150,083	157,859	157,916	159,064
4.	Pembinaan <i>Construction</i>	42,422	43,859	45,421	38,322	36,669
5.	Perkhidmatan <i>Services</i>	84,102	87,050	89,568	84,336	84,716
5.1	Utiliti <i>Utilities</i>	349,476	357,091	370,687	363,146	368,549
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	88,410	92,767	95,968	89,261	88,737
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	29,749	30,006	30,516	22,463	19,808
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	91,418	95,463	99,432	78,203	79,762
5.5	Maklumat dan komunikasi <i>Information and communication</i>	339,185	354,004	356,995	366,778	380,197
5.6	Kewangan dan insurans <i>Finance and insurance</i>	233,679	241,835	249,085	255,371	282,336
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	56,042	58,358	61,056	51,373	46,261
5.8	Perkhidmatan lain <i>Other services</i>	67,282	69,932	72,420	71,612	71,444
Produktiviti buruh Labour productivity		89,964	92,083	94,138	89,106	90,697

2b

Produktiviti buruh tahunan, nilai ditambah per pekerja mengikut aktiviti ekonomi, 2017 - 2021:
Perubahan peratusan tahunan
Annual labour productivity, value added per employment by economic activity, 2017 - 2021:
Annual percentage change

(%)

Aktiviti ekonomi Economic activity		2017	2018	2019	2020 ^e	2021 ^p
1.	Pertanian <i>Agriculture</i>	2.2	-0.1	0.3	-2.0	-0.6
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	-4.8	4.0	-0.3	-7.6	-1.4
3.	Pembuatan <i>Manufacturing</i>	3.9	2.4	1.7	-2.6	6.8
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	8.7	0.6	0.9	-0.4	-2.5
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	0.7	-0.9	1.6	-9.2	2.4
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	6.5	-2.1	0.001	-13.0	4.1
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	6.4	4.5	3.8	-5.1	6.7
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	2.0	2.4	1.1	-2.9	8.9
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	-0.8	2.6	3.6	-13.2	3.1
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	5.9	3.0	1.0	2.5	11.7
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	1.8	5.7	5.2	0.04	0.7
4.	Pembinaan <i>Construction</i>	6.8	3.4	3.6	-15.6	-4.3
5.	Perkhidmatan <i>Services</i>	4.3	3.5	2.9	-5.8	0.5
5.1	Utiliti <i>Utilities</i>	3.3	2.2	3.8	-2.0	1.5
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	3.0	4.9	3.5	-7.0	-0.6
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	4.8	0.9	1.7	-26.4	-11.8
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	5.4	4.4	4.2	-21.3	2.0
5.5	Maklumat dan komunikasi <i>Information and communication</i>	2.2	4.4	0.8	2.7	3.7
5.6	Kewangan dan insurans <i>Finance and insurance</i>	1.6	3.5	3.0	2.5	10.6
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	4.0	4.1	4.6	-15.9	-10.0
5.8	Perkhidmatan lain <i>Other services</i>	6.2	3.9	3.6	-1.1	-0.2
Produktiviti buruh <i>Labour productivity</i>		3.8	2.4	2.2	-5.3	1.8

3a

Produktiviti buruh tahunan, nilai ditambah per jam bekerja mengikut 9 subsektor keutamaan, 2017 - 2021
 Annual labour productivity, value added per hour worked by 9 priority sub-sectors, 2017 - 2021

		(RM)				
Aktiviti ekonomi <i>Economic activity</i>		2017	2018	2019	2020 ^e	2021 ^p
1.	Agro-makanan <i>Agro-food</i>	44.8	45.3	45.9	48.2	47.6
2.	Kimia dan produk kimia <i>Chemicals and chemical products</i>	115.7	119.0	119.3	121.9	133.2
3.	Mesin dan peralatan <i>Machinery and equipment</i>	33.3	35.4	36.3	38.8	40.6
4.	Elektrik dan elektronik <i>Electrical and electronics</i>	65.3	68.0	69.9	81.0	85.5
5.	Peruncitan dan makanan & minuman <i>Retail and food & beverages</i>	18.5	19.6	20.3	20.0	18.8
6.	Pelancongan <i>Tourism</i>	27.3	29.1	30.5	18.5	12.6
7.	Teknologi, maklumat dan komunikasi (ICT) <i>Information, communication and technology (ICT)</i>	140.6	148.5	151.5	170.1	163.9
8.	Perkhidmatan professional <i>Professional services</i>	33.3	35.5	37.5	37.9	33.0
9.	Penjagaan kesihatan swasta <i>Private healthcare</i>	25.8	27.1	27.7	27.2	29.0
Produktiviti buruh <i>Labour productivity</i>		35.0	36.5	37.2	39.0	38.4

3b

Produktiviti buruh tahunan, nilai ditambah per jam bekerja mengikut 9 subsektor keutamaan, 2017- 2021:
 Perubahan peratusan tahunan
 Annual labour productivity, value added per hour worked by 9 priority sub-sectors, 2017 - 2021:
 Annual percentage change

(%)

	Aktiviti ekonomi Economic activity	2017	2018	2019	2020 ^e	2021 ^p
1.	Agro-makanan Agro-food	1.6	1.1	1.3	5.1	-1.2
2.	Kimia dan produk kimia Chemicals and chemical products	3.0	2.8	0.3	2.2	9.2
3.	Mesin dan peralatan Machinery and equipment	-1.1	6.3	2.6	6.7	4.6
4.	Elektrik dan elektronik Electrical and electronics	6.8	4.2	2.8	15.9	5.6
5.	Peruncitan dan makanan & minuman Retail and food & beverages	5.0	5.6	3.6	-1.4	-5.9
6.	Pelancongan Tourism	2.7	6.6	4.9	-39.3	-32.0
7.	Teknologi, maklumat dan komunikasi (ICT) Information, communication and technology (ICT)	0.8	5.6	2.0	12.3	-3.6
8.	Perkhidmatan profesional Professional services	8.9	6.5	5.8	1.1	-13.1
9.	Penjagaan kesihatan swasta Private healthcare	-2.0	4.8	2.3	-1.9	6.7
	Produktiviti buruh Labour productivity	3.9	4.2	2.1	4.6	-1.5

4a

Produktiviti buruh tahunan, nilai ditambah per pekerja mengikut 9 subsektor keutamaan, 2017 - 2021
Annual labour productivity, value added per employment by 9 priority sub-sectors, 2017 - 2021

		(RM)				
Aktiviti ekonomi <i>Economic activity</i>		2017	2018	2019	2020 ^e	2021 ^p
1.	Agro-makanan <i>Agro-food</i>	88,789	89,145	91,306	91,154	93,985
2.	Kimia dan produk kimia <i>Chemicals and chemical products</i>	291,100	294,621	288,306	276,827	305,206
3.	Mesin dan peralatan <i>Machinery and equipment</i>	84,547	87,834	88,408	86,229	93,981
4.	Elektrik dan elektronik <i>Electrical and electronics</i>	163,835	168,258	170,471	177,210	198,439
5.	Peruncitan dan makanan & minuman <i>Retail and food & beverages</i>	44,371	46,309	47,806	42,725	42,009
6.	Pelancongan <i>Tourism</i>	66,895	70,379	74,092	37,082	26,372
7.	Teknologi, maklumat dan komunikasi (ICT) <i>Information, communication and technology (ICT)</i>	339,185	354,004	356,995	366,778	380,197
8.	Perkhidmatan profesional <i>Professional services</i>	76,928	81,831	86,671	78,008	73,642
9.	Penjagaan kesihatan swasta <i>Private healthcare</i>	61,332	63,121	64,188	59,088	64,259
Produktiviti buruh <i>Labour productivity</i>		82,606	85,107	86,621	82,205	84,911

4b

Produktiviti buruh tahunan, nilai ditambah per pekerja mengikut 9 subsektor keutamaan, 2017- 2021:
 Perubahan peratusan tahunan
 Annual labour productivity, value added per employment by 9 priority sub-sectors, 2017 - 2021:
 Annual percentage change

(%)

	Aktiviti ekonomi <i>Economic activity</i>	2017	2018	2019	2020 ^e	2021 ^p
1.	Agro-makanan <i>Agro-food</i>	2.0	0.4	2.4	-0.2	3.1
2.	Kimia dan produk kimia <i>Chemicals and chemical products</i>	3.7	1.2	-2.1	-4.0	10.3
3.	Mesin dan peralatan <i>Machinery and equipment</i>	1.8	3.9	0.7	-2.5	9.0
4.	Elektrik dan elektronik <i>Electrical and electronics</i>	6.6	2.7	1.3	4.0	12.0
5.	Peruncitan dan makanan & minuman <i>Retail and food & beverages</i>	5.7	4.4	3.2	-10.6	-1.7
6.	Pelancongan <i>Tourism</i>	4.2	5.2	5.3	-50.0	-28.9
7.	Teknologi, maklumat dan komunikasi (ICT) <i>Information, communication and technology (ICT)</i>	2.2	4.4	0.8	2.7	3.7
8.	Perkhidmatan profesional <i>Professional services</i>	6.4	6.4	5.9	-10.0	-5.6
9.	Penjagaan kesihatan swasta <i>Private healthcare</i>	-0.2	2.9	1.7	-7.9	8.8
	Produktiviti buruh <i>Labour productivity</i>	4.5	3.0	1.8	-5.1	3.3

5a Produktiviti buruh suku tahunan, nilai ditambah per jam bekerja mengikut aktiviti ekonomi, ST1 2018 - ST2 2022

		(RM)			
Aktiviti ekonomi <i>Economic activity</i>		2018			
		I	II	III	IV
1.	Pertanian <i>Agriculture</i>	24.1	24.3	27.8	26.7
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	545.1	577.8	497.1	621.0
3.	Pembuatan <i>Manufacturing</i>	48.1	50.8	50.9	52.0
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	28.7	31.1	30.9	32.8
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	160.3	212.2	190.5	178.4
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	10.6	12.8	12.7	12.0
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	26.7	26.3	26.7	26.8
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	82.0	86.4	90.8	89.9
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	37.3	44.1	41.9	39.0
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	64.7	61.5	59.0	62.9
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	51.8	62.9	62.8	67.2
4.	Pembinaan <i>Construction</i>	18.1	18.0	19.3	17.8
5.	Perkhidmatan <i>Services</i>	35.8	36.9	37.8	39.5
5.1	Utiliti <i>Utilities</i>	148.8	154.0	153.4	150.7
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	35.4	36.4	39.6	41.7
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	12.6	13.0	12.7	13.3
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	36.5	39.8	40.2	39.4
5.5	Maklumat dan komunikasi <i>Information and communication</i>	149.7	152.5	151.4	140.8
5.6	Kewangan dan insurans <i>Finance and insurance</i>	107.8	100.3	104.6	108.6
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	23.2	24.8	23.8	25.2
5.8	Perkhidmatan lain <i>Other services</i>	30.7	31.3	32.1	35.9
Produktiviti buruh <i>Labour productivity</i>		38.2	39.3	40.0	41.4

5a Quarterly labour productivity, value added per hour worked by economic activity, Q1 2018 - Q2 2022

(RM)													
2019				2020 ^e				2021 ^p				2022 ^p	
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
24.9	24.8	28.3	25.2	23.1	28.8	28.5	24.9	22.9	24.3	27.5	25.3	22.9	23.4
553.1	571.6	488.1	619.9	569.2	616.5	467.3	585.7	557.7	556.0	487.9	532.4	530.9	527.9
49.8	52.0	52.4	52.6	50.8	59.9	56.0	55.8	54.9	57.4	57.3	58.3	54.9	56.2
28.3	30.6	30.9	31.8	27.1	41.4	34.2	29.4	27.4	32.8	33.6	30.4	25.6	30.4
156.9	213.0	198.3	181.5	158.2	149.8	219.9	206.1	193.2	208.3	137.5	223.9	192.8	251.7
11.2	13.5	12.5	11.5	11.0	9.0	11.4	11.4	11.5	11.2	10.8	11.5	11.1	10.4
29.3	28.2	28.1	27.8	30.1	32.5	30.3	30.8	33.9	33.2	30.4	31.4	34.0	31.1
86.6	88.1	94.4	93.4	90.3	95.4	97.3	98.3	94.1	97.5	108.1	101.1	89.8	92.1
37.8	46.0	43.5	39.7	38.6	40.2	42.6	39.9	39.1	40.5	39.3	41.3	40.5	40.1
66.5	62.4	61.2	64.2	69.6	84.7	68.8	70.6	77.5	75.5	75.3	77.5	83.7	78.2
55.5	66.0	66.7	70.2	55.3	89.2	74.2	83.2	62.0	71.9	56.8	83.9	59.0	77.0
19.0	18.7	19.7	18.6	18.7	18.2	17.9	17.4	17.0	16.8	16.9	15.5	15.6	15.9
36.9	37.8	38.9	40.6	38.3	44.3	38.4	39.6	37.7	37.3	37.8	39.9	38.2	38.7
153.9	159.7	159.0	155.3	163.2	195.7	159.1	161.1	164.2	160.2	169.8	164.5	161.9	158.5
37.5	37.8	41.0	43.1	38.3	41.2	41.2	43.2	39.1	37.5	37.9	42.7	38.1	39.7
12.6	13.0	13.1	13.6	12.6	11.1	10.0	9.5	9.2	8.8	8.0	9.7	10.6	11.0
38.3	41.3	41.7	41.3	38.3	36.5	36.4	34.2	32.4	33.3	33.7	37.5	39.4	40.1
155.0	156.1	153.2	142.5	160.0	236.3	155.9	151.5	166.0	164.4	167.0	158.8	165.7	166.8
107.7	105.0	107.7	112.1	115.4	127.3	116.3	121.7	126.3	124.9	124.4	125.7	124.0	120.8
24.5	26.0	25.2	26.3	25.2	27.5	21.8	21.2	21.2	20.4	19.6	20.1	22.5	23.6
31.4	32.0	33.0	36.7	33.2	39.9	32.5	35.6	32.0	32.3	34.4	35.7	32.8	32.6
39.2	40.2	41.1	42.0	40.0	46.5	41.2	41.8	40.2	40.4	40.9	42.3	40.3	41.0

5b

Produktiviti buruh suku tahunan, nilai ditambah per jam bekerja mengikut aktiviti ekonomi, ST1 2018 - ST2 2022: Perubahan peratusan dari suku tahun yang sama tahun sebelumnya

		(%)			
Aktiviti ekonomi <i>Economic activity</i>		2018			
		I	II	III	IV
1.	Pertanian <i>Agriculture</i>	-1.7	3.5	1.9	-0.7
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	8.3	7.1	-1.6	-1.0
3.	Pembuatan <i>Manufacturing</i>	4.8	2.6	2.7	3.0
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	16.0	2.2	0.2	-5.0
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	-1.9	-4.7	-2.6	-1.5
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	-5.1	-3.2	0.1	-0.4
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	4.5	-3.1	6.1	5.8
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	1.7	3.1	1.2	3.8
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	7.0	4.2	5.0	2.9
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	5.8	5.3	2.1	5.3
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	-0.7	7.3	5.5	6.7
4.	Pembinaan <i>Construction</i>	-0.1	4.9	4.7	5.5
5.	Perkhidmatan <i>Services</i>	6.4	4.5	5.2	3.9
5.1	Utiliti <i>Utilities</i>	7.7	1.7	0.5	2.9
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	5.7	5.6	5.7	6.1
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	4.4	2.2	0.9	0.5
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	4.1	5.0	5.3	3.1
5.5	Maklumat dan komunikasi <i>Information and communication</i>	2.0	8.3	9.8	2.3
5.6	Kewangan dan insurans <i>Finance and insurance</i>	7.4	0.1	4.8	2.7
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	1.8	1.2	11.5	7.9
5.8	Perkhidmatan lain <i>Other services</i>	11.1	7.6	4.9	4.6
Produktiviti buruh <i>Labour productivity</i>		4.0	3.8	3.2	3.0

5b

Quarterly labour productivity, value added per hour worked by economic activity, Q1 2018 - Q2 2022:
Percentage change from corresponding quarter of preceding year

														(%)
2019				2020 ^e				2021 ^p				2022 ^p		
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	
3.3	2.1	1.6	-5.8	-7.2	15.8	0.6	-1.0	-0.7	-15.6	-3.4	1.7	-0.3	-3.5	
1.5	-1.1	-1.8	-0.2	2.9	7.8	-4.3	-5.5	-2.0	-9.8	4.4	-9.1	-4.8	-5.1	
3.4	2.5	2.9	1.2	2.1	15.1	6.9	6.0	8.1	-4.2	2.3	4.6	-0.1	-1.9	
-1.3	-1.6	0.03	-2.8	-4.2	35.6	10.6	-7.8	1.1	-20.9	-1.6	3.5	-6.7	-7.3	
-2.1	0.4	4.1	1.7	0.8	-29.7	10.9	13.6	22.1	39.0	-37.5	8.6	-0.2	20.8	
4.9	5.7	-1.7	-4.2	-1.4	-33.2	-8.9	-0.5	4.6	24.2	-5.5	0.9	-3.8	-6.9	
9.8	6.9	5.1	3.8	2.7	15.4	7.9	10.7	12.7	2.1	0.4	2.0	0.4	-6.4	
5.6	1.9	4.0	3.9	4.2	8.3	3.1	5.4	4.3	2.1	11.0	2.8	-4.6	-5.5	
1.4	4.2	3.8	1.8	2.2	-12.6	-2.1	0.4	1.3	0.7	-7.6	3.5	3.3	-1.0	
2.8	1.4	3.8	2.1	4.6	35.8	12.4	9.9	11.4	-10.9	9.4	9.8	8.0	3.7	
7.1	4.9	6.2	4.5	-0.4	35.2	11.3	18.5	12.1	-19.4	-23.5	0.8	-4.8	7.1	
4.9	3.9	1.7	4.6	-1.7	-2.8	-8.8	-6.5	-8.7	-7.8	-5.8	-11.0	-8.2	-5.2	
2.9	2.5	2.9	2.6	3.8	17.2	-1.2	-2.4	-1.5	-15.9	-1.8	0.8	1.2	4.0	
3.4	3.7	3.6	3.1	6.0	22.6	0.1	3.7	0.6	-18.1	6.7	2.2	-1.4	-1.1	
5.9	3.6	3.4	3.4	2.3	9.0	0.6	0.3	2.0	-8.9	-7.9	-1.3	-2.6	5.7	
-0.1	0.1	2.5	2.8	0.6	-14.6	-23.3	-30.0	-26.9	-21.4	-20.7	2.1	14.6	25.4	
4.7	3.7	3.8	4.7	-0.003	-11.6	-12.8	-17.1	-15.5	-8.9	-7.3	9.5	21.7	20.6	
3.5	2.3	1.2	1.2	3.2	51.4	1.7	6.3	3.7	-30.4	7.1	4.8	-0.2	1.5	
-0.1	4.7	3.0	3.2	7.1	21.2	7.9	8.6	9.4	-1.9	7.0	3.3	-1.8	-3.2	
5.3	4.8	5.9	4.4	3.0	5.7	-13.6	-19.4	-15.8	-25.7	-10.2	-5.3	6.2	15.3	
2.1	2.5	3.0	2.2	5.9	24.7	-1.5	-2.9	-3.6	-19.0	5.8	0.1	2.5	0.7	
2.6	2.4	2.7	1.5	2.1	15.6	0.2	-0.6	0.4	-13.1	-0.6	1.3	0.3	1.3	

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6a Produktiviti buruh suku tahunan, nilai ditambah per pekerja mengikut aktiviti ekonomi, ST1 2018 - ST2 2022

		(RM)			
Aktiviti ekonomi <i>Economic activity</i>		2018			
		I	II	III	IV
1.	Pertanian <i>Agriculture</i>	12,655	12,757	14,560	14,049
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	329,958	339,544	308,787	395,290
3.	Pembuatan <i>Manufacturing</i>	29,259	30,378	30,867	31,337
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	15,735	17,095	17,705	18,150
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	97,460	132,360	121,122	110,826
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	5,617	6,734	6,356	6,076
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	17,504	17,177	16,765	16,609
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	52,723	54,020	58,176	58,854
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	22,865	27,174	26,119	24,273
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	40,765	37,130	36,913	38,754
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	32,215	37,814	38,275	41,406
4.	Pembinaan <i>Construction</i>	10,879	10,689	11,543	10,755
5.	Perkhidmatan <i>Services</i>	20,946	21,213	22,058	22,809
5.1	Utiliti <i>Utilities</i>	86,966	90,683	91,594	87,901
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	21,597	21,914	23,960	25,288
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	7,362	7,317	7,506	7,803
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	22,560	23,959	24,547	24,426
5.5	Maklumat dan komunikasi <i>Information and communication</i>	90,965	90,687	89,317	83,503
5.6	Kewangan dan insurans <i>Finance and insurance</i>	61,313	57,662	60,045	62,903
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	14,088	14,871	14,371	15,029
5.8	Perkhidmatan lain <i>Other services</i>	16,734	16,903	17,536	18,759
Produktiviti buruh <i>Labour productivity</i>		22,276	22,580	23,268	23,943

6a

Quarterly labour productivity, value added per employment by economic activity, Q1 2018 - Q2 2022

														(RM)
2019				2020 ^e				2021 ^p				2022 ^p		
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	
13,138	13,030	14,839	13,201	11,964	13,186	14,881	13,083	12,067	12,752	14,497	13,463	12,178	12,538	
346,101	342,989	296,963	383,037	341,791	286,955	283,881	351,270	329,507	317,929	281,108	314,462	317,500	310,885	
29,834	31,113	31,343	31,576	29,756	25,731	32,489	32,575	31,394	31,693	31,349	34,308	32,270	32,964	
16,063	17,490	17,753	17,991	15,276	18,746	18,730	16,303	14,713	17,518	17,955	17,081	14,637	17,079	
98,771	135,055	124,166	111,647	95,922	74,608	134,341	122,558	110,237	116,153	79,035	131,433	115,012	145,496	
5,659	6,795	6,302	6,020	5,591	4,065	5,823	6,038	5,838	5,403	5,277	5,909	5,780	5,443	
18,142	17,903	17,479	17,148	18,235	12,571	18,062	18,041	19,324	17,830	15,768	18,618	20,168	18,747	
53,713	54,795	58,620	59,091	54,624	47,228	58,505	59,151	56,184	57,428	63,853	61,915	54,497	55,549	
23,832	28,328	26,964	24,930	23,686	17,031	25,253	24,250	23,431	22,850	21,638	25,133	24,215	24,134	
40,948	37,836	37,378	38,958	41,066	34,752	41,030	41,975	45,464	42,588	42,569	46,862	50,288	46,836	
33,968	39,964	40,529	43,081	33,406	29,552	44,295	50,345	36,588	41,168	30,682	50,394	35,978	46,250	
11,406	11,099	11,794	11,132	10,795	6,600	10,604	10,221	9,900	9,084	8,598	9,080	9,351	9,351	
21,552	21,858	22,656	23,480	21,689	18,435	21,789	22,377	21,163	20,480	20,430	22,621	21,911	22,016	
91,035	94,229	94,709	90,787	93,963	85,307	92,551	91,260	93,576	89,383	89,830	95,690	95,744	90,250	
22,440	22,658	24,775	26,090	22,392	17,435	23,993	25,436	22,390	20,788	20,838	24,667	22,195	23,005	
7,441	7,451	7,635	7,970	7,096	4,502	5,484	5,296	5,111	4,736	4,407	5,549	6,110	6,129	
23,430	25,009	25,583	25,445	22,431	13,959	21,581	19,982	18,990	19,170	19,123	22,434	23,779	24,013	
92,585	90,885	89,661	84,377	94,533	92,237	91,244	89,036	96,214	94,851	95,857	93,369	97,855	96,630	
62,485	59,776	61,774	65,096	64,700	56,401	65,114	69,255	71,657	70,106	68,649	71,929	71,427	69,436	
14,688	15,547	15,044	15,779	14,849	11,508	12,584	12,377	12,272	11,561	10,760	11,661	13,338	13,705	
17,320	17,564	18,080	19,458	17,815	16,741	17,966	19,068	17,250	17,273	17,639	19,266	17,953	17,884	
22,810	23,206	23,817	24,291	22,619	19,490	23,313	23,635	22,522	22,102	22,007	24,047	23,124	23,322	

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Produktiviti buruh suku tahunan, nilai ditambah per pekerja mengikut aktiviti ekonomi, ST1 2018 - ST2 2022:
Perubahan peratusan dari suku tahun yang sama tahun sebelumnya

		(%)			
Aktiviti ekonomi <i>Economic activity</i>		2018			
		I	II	III	IV
1.	Pertanian <i>Agriculture</i>	-1.1	2.3	-1.2	-0.3
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	5.7	6.2	0.4	3.3
3.	Pembuatan <i>Manufacturing</i>	3.3	1.5	2.3	2.5
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	8.1	-0.3	-1.1	-2.9
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	-2.2	-0.8	-0.9	-0.1
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	-2.5	-5.1	-0.9	0.2
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	5.7	3.5	5.1	3.8
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	3.9	1.7	1.9	2.3
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	2.4	1.9	3.5	2.7
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	4.3	2.0	2.0	3.8
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	1.0	7.0	7.1	6.8
4.	Pembinaan <i>Construction</i>	0.8	4.1	3.3	5.2
5.	Perkhidmatan <i>Services</i>	4.7	2.5	3.9	2.9
5.1	Utiliti <i>Utilities</i>	4.2	1.3	1.3	1.8
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	5.6	3.6	5.3	4.9
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	2.0	0.3	0.6	0.6
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	4.4	3.9	4.5	4.9
5.5	Maklumat dan komunikasi <i>Information and communication</i>	4.7	5.8	6.5	0.8
5.6	Kewangan dan insurans <i>Finance and insurance</i>	6.8	0.6	3.9	2.8
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	2.3	0.3	8.7	5.2
5.8	Perkhidmatan lain <i>Other services</i>	6.0	4.3	2.9	2.6
Produktiviti buruh <i>Labour productivity</i>		2.9	2.3	1.9	2.3

6b

Quarterly labour productivity, value added per employment by economic activity, Q1 2018 - Q2 2022:
Percentage change from corresponding quarter of preceding year

														(%)
2019				2020 ^e				2021 ^p				2022 ^p		
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	
3.8	2.1	1.9	-6.0	-8.9	1.2	0.3	-0.9	0.9	-3.3	-2.6	2.9	0.9	-1.7	
4.9	1.0	-3.8	-3.1	-1.2	-16.3	-4.4	-8.3	-3.6	10.8	-1.0	-10.5	-3.6	-2.2	
2.0	2.4	1.5	0.8	-0.3	-17.3	3.7	3.2	5.5	23.2	-3.5	5.3	2.8	4.0	
2.1	2.3	0.3	-0.9	-4.9	7.2	5.5	-9.4	-3.7	-6.5	-4.1	4.8	-0.5	-2.5	
1.3	2.0	2.5	0.7	-2.9	-44.8	8.2	9.8	14.9	55.7	-41.2	7.2	4.3	25.3	
0.7	0.9	-0.8	-0.9	-1.2	-40.2	-7.6	0.3	4.4	32.9	-9.4	-2.1	-1.0	0.7	
3.6	4.2	4.3	3.2	0.5	-29.8	3.3	5.2	6.0	41.8	-12.7	3.2	4.4	5.1	
1.9	1.4	0.8	0.4	1.7	-13.8	-0.2	0.1	2.9	21.6	9.1	4.7	-3.0	-3.3	
4.2	4.2	3.2	2.7	-0.6	-39.9	-6.3	-2.7	-1.1	34.2	-14.3	3.6	3.3	5.6	
0.4	1.9	1.3	0.5	0.3	-8.2	9.8	7.7	10.7	22.5	3.8	11.6	10.6	10.0	
5.4	5.7	5.9	4.0	-1.7	-26.1	9.3	16.9	9.5	39.3	-30.7	0.1	-1.7	12.3	
4.8	3.8	2.2	3.5	-5.4	-40.5	-10.1	-8.2	-8.3	37.6	-18.9	-11.2	-5.5	2.9	
2.9	3.0	2.7	2.9	0.6	-15.7	-3.8	-4.7	-2.4	11.1	-6.2	1.1	3.5	7.5	
4.7	3.9	3.4	3.3	3.2	-9.5	-2.3	0.5	-0.4	4.8	-2.9	4.9	2.3	1.0	
3.9	3.4	3.4	3.2	-0.2	-23.1	-3.2	-2.5	-0.01	19.2	-13.2	-3.0	-0.9	10.7	
1.1	1.8	1.7	2.1	-4.6	-39.6	-28.2	-33.5	-28.0	5.2	-19.6	4.8	19.6	29.4	
3.9	4.4	4.2	4.2	-4.3	-44.2	-15.6	-21.5	-15.3	37.3	-11.4	12.3	25.2	25.3	
1.8	0.2	0.4	1.0	2.1	1.5	1.8	5.5	1.8	2.8	5.1	4.9	1.7	1.9	
1.9	3.7	2.9	3.5	3.5	-5.6	5.4	6.4	10.8	24.3	5.4	3.9	-0.3	-1.0	
4.3	4.5	4.7	5.0	1.1	-26.0	-16.4	-21.6	-17.4	0.5	-14.5	-5.8	8.7	18.5	
3.5	3.9	3.1	3.7	2.9	-4.7	-0.6	-2.0	-3.2	3.2	-1.8	1.0	4.1	3.5	
2.4	2.8	2.4	1.5	-0.8	-16.0	-2.1	-2.7	-0.4	13.4	-5.6	1.7	2.7	5.5	

7a

Keluaran Dalam Negeri Kasar (KDNK) tahunan mengikut aktiviti ekonomi pada harga malar 2015, 2017 - 2021
Annual Gross Domestic Product (GDP) by economic activity at constant 2015 prices, 2017 - 2021

		(RM juta/ RM million)				
Aktiviti ekonomi <i>Economic activity</i>		2017	2018	2019	2020 ^e	2021 ^p
1.	Pertanian <i>Agriculture</i>	99,509	99,637	101,573	99,106	98,898
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	105,838	103,557	102,887	92,879	93,150
3.	Pembuatan <i>Manufacturing</i>	290,464	304,843	316,283	307,847	337,219
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	28,420	29,468	30,448	30,941	31,590
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	8,598	8,819	9,181	7,687	7,731
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	5,682	5,927	6,251	5,419	5,864
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	19,657	20,570	21,685	20,070	21,430
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	84,998	88,419	90,982	90,084	101,691
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	34,516	36,224	37,716	32,778	34,171
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	81,218	86,317	89,133	91,438	104,819
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	27,374	29,098	30,887	29,429	29,923
4.	Pembinaan <i>Construction</i>	63,522	66,194	66,453	53,616	50,802
5.	Perkhidmatan <i>Services</i>	723,361	772,990	820,576	776,361	791,068
5.1	Utiliti <i>Utilities</i>	34,396	36,109	38,326	37,857	38,837
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	209,885	227,166	242,704	228,260	232,006
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	41,748	45,502	49,821	36,527	32,513
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	47,212	50,208	53,632	42,139	42,671
5.5	Maklumat dan komunikasi <i>Information and communication</i>	73,113	79,110	84,225	89,252	94,874
5.6	Kewangan dan insurans <i>Finance and insurance</i>	84,532	89,088	93,358	96,106	105,713
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	59,132	63,745	68,762	58,399	51,972
5.8	Perkhidmatan lain <i>Other services</i>	173,343	182,061	189,747	187,820	192,483
tambah Duti import <i>plus Import duties</i>		18,076	16,546	16,179	15,335	15,602
KDNK pada harga pembeli <i>GDP at purchasers' prices</i>		1,300,769	1,363,766	1,423,952	1,345,144	1,386,738

7b

KDNK tahunan mengikut aktiviti ekonomi pada harga malar 2015, 2017- 2021: Perubahan peratusan tahunan
Annual GDP by economic activity at constant 2015 prices, 2017 - 2021: Annual percentage change

		(%)				
Aktiviti ekonomi <i>Economic activity</i>		2017	2018	2019	2020 ^e	2021 ^p
1.	Pertanian <i>Agriculture</i>	5.9	0.1	1.9	-2.4	-0.2
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	0.4	-2.2	-0.6	-9.7	0.3
3.	Pembuatan <i>Manufacturing</i>	6.0	5.0	3.8	-2.7	9.5
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	11.2	3.7	3.3	1.6	2.1
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	6.0	2.6	4.1	-16.3	0.6
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	7.9	4.3	5.5	-13.3	8.2
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	4.7	4.6	5.4	-7.4	6.8
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	4.0	4.0	2.9	-1.0	12.9
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	4.9	4.9	4.1	-13.1	4.2
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	7.5	6.3	3.3	2.6	14.6
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	5.3	6.3	6.1	-4.7	1.7
4.	Pembinaan <i>Construction</i>	6.7	4.2	0.4	-19.3	-5.2
5.	Perkhidmatan <i>Services</i>	6.3	6.9	6.2	-5.4	1.9
5.1	Utiliti <i>Utilities</i>	2.9	5.0	6.1	-1.2	2.6
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	7.2	8.2	6.8	-6.0	1.6
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	7.5	9.0	9.5	-26.7	-11.0
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	6.2	6.3	6.8	-21.4	1.3
5.5	Maklumat dan komunikasi <i>Information and communication</i>	8.6	8.2	6.5	6.0	6.3
5.6	Kewangan dan insurans <i>Finance and insurance</i>	4.7	5.4	4.8	2.9	10.0
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	7.6	7.8	7.9	-15.1	-11.0
5.8	Perkhidmatan lain <i>Other services</i>	5.0	5.0	4.2	-1.0	2.5
tambah Duti import <i>plus Import duties</i>		13.0	-8.5	-2.2	-5.2	1.7
KDNK pada harga pembeli <i>GDP at purchasers' prices</i>		5.8	4.8	4.4	-5.5	3.1

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Keluaran Dalam Negeri Kasar (KDNK) suku tahunan mengikut aktiviti ekonomi pada harga malar 2015, ST1 2018 - ST2 2022

		(RM juta/ RM million)			
Aktiviti ekonomi <i>Economic activity</i>		2018			
		I	II	III	IV
1.	Pertanian <i>Agriculture</i>	23,298	23,292	27,089	25,958
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	26,189	25,853	24,238	27,277
3.	Pembuatan <i>Manufacturing</i>	72,643	75,745	77,131	79,324
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	6,680	7,296	7,619	7,874
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	1,860	2,532	2,329	2,098
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	1,385	1,616	1,476	1,450
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	5,242	5,176	5,094	5,057
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	20,751	21,311	22,932	23,425
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	8,285	9,811	9,400	8,728
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	22,370	20,810	20,966	22,171
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	6,069	7,193	7,315	8,522
4.	Pembinaan <i>Construction</i>	16,604	15,985	17,206	16,399
5.	Perkhidmatan <i>Services</i>	183,367	188,290	196,947	204,386
5.1	Utiliti <i>Utilities</i>	8,709	9,024	9,217	9,158
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	51,979	54,324	59,307	61,556
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	10,770	11,049	11,391	12,293
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	12,103	12,291	12,616	13,200
5.5	Maklumat dan komunikasi <i>Information and communication</i>	19,104	19,938	20,296	19,773
5.6	Kewangan dan insurans <i>Finance and insurance</i>	22,032	21,636	22,345	23,075
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	15,387	15,893	15,840	16,625
5.8	Perkhidmatan lain <i>Other services</i>	43,284	44,135	45,935	48,707
tambah Duti import <i>plus Import duties</i>		4,995	4,272	3,074	4,204
KDNK pada harga pembeli <i>GDP at purchasers' prices</i>		327,096	333,438	345,685	357,547

8a

Quarterly Gross Domestic Product (GDP) by economic activity at constant 2015 prices, Q1 2018 - Q2 2022

(RM juta/ RM million)													
2019				2020 ^e				2021 ^p				2022 ^p	
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
24,707	24,266	28,082	24,519	22,533	24,422	27,938	24,213	22,563	24,053	27,389	24,894	22,577	23,472
26,216	26,483	23,567	26,622	25,460	21,387	22,009	24,023	24,337	23,648	21,296	23,870	24,066	23,531
75,627	79,005	79,922	81,729	76,661	64,490	82,509	84,186	81,761	81,679	81,890	91,888	87,191	89,153
7,020	7,623	7,807	7,997	6,795	8,312	8,374	7,460	6,776	8,137	8,421	8,256	7,113	8,351
1,946	2,643	2,416	2,177	1,919	1,287	2,349	2,132	2,001	1,994	1,404	2,333	2,119	2,569
1,450	1,710	1,558	1,534	1,495	993	1,419	1,511	1,534	1,394	1,353	1,583	1,608	1,494
5,530	5,460	5,386	5,308	5,600	3,643	5,388	5,439	5,853	5,103	4,732	5,742	6,237	5,703
21,385	22,002	23,570	24,025	22,202	19,067	24,068	24,747	23,821	24,405	27,102	26,363	23,703	24,189
8,620	10,234	9,793	9,069	8,605	6,126	9,145	8,901	8,713	8,176	7,865	9,417	9,175	9,022
23,189	21,648	21,598	22,698	23,662	19,739	23,577	24,459	26,166	24,935	25,246	28,472	30,183	28,788
6,486	7,684	7,795	8,921	6,382	5,323	8,189	9,535	6,897	7,535	5,768	9,722	7,054	9,037
16,704	16,161	16,967	16,620	15,377	9,003	14,890	14,346	13,770	12,627	11,816	12,588	12,922	12,929
195,144	199,852	208,474	217,106	201,370	167,515	200,390	207,085	196,765	190,044	190,474	213,785	209,499	212,812
9,329	9,610	9,732	9,656	9,791	8,779	9,575	9,713	9,891	9,357	9,411	10,178	10,227	9,757
55,776	58,053	63,277	65,599	56,955	44,585	61,834	64,886	57,721	53,849	54,681	65,754	60,023	63,141
11,793	12,075	12,450	13,504	11,967	7,115	8,737	8,709	8,332	7,741	7,243	9,198	10,350	10,473
12,902	13,157	13,472	14,101	12,660	7,296	11,282	10,902	10,565	10,013	9,902	12,191	13,292	13,600
20,468	21,164	21,504	21,090	21,843	22,176	22,637	22,596	23,224	23,474	24,040	24,136	24,694	24,856
23,050	22,676	23,317	24,315	24,230	21,384	24,663	25,829	26,899	26,292	25,709	26,813	26,630	25,911
16,548	17,160	17,069	17,985	17,129	12,810	14,338	14,122	13,820	12,969	12,009	13,175	15,131	15,785
45,279	45,957	47,653	50,858	46,796	43,371	47,325	50,328	46,313	46,349	47,481	52,340	49,152	49,290
3,976	4,142	4,106	3,956	3,386	3,272	4,189	4,487	3,967	4,057	3,296	4,283	3,895	4,284
342,373	349,910	361,117	370,552	344,788	290,090	351,926	358,340	343,162	336,108	336,161	371,308	360,151	366,180

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Keluaran Dalam Negeri Kasar (KDNK) suku tahunan mengikut aktiviti ekonomi pada harga malar 2015, ST1 2018 - ST2 2022: Perubahan peratusan dari suku tahun yang sama tahun sebelumnya

		(%)			
Aktiviti ekonomi <i>Economic activity</i>		2018			
		I	II	III	IV
1.	Pertanian <i>Agriculture</i>	3.1	-1.5	-0.7	-0.1
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	-2.4	-1.3	-5.0	-0.1
3.	Pembuatan <i>Manufacturing</i>	5.2	4.9	5.0	4.7
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	9.2	4.5	2.4	-0.1
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	1.4	3.3	3.2	2.1
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	6.6	4.1	2.9	3.8
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	4.0	3.4	6.3	4.9
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	4.9	3.8	3.9	3.6
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	5.3	5.2	5.2	4.1
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	5.8	6.1	6.3	6.9
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	2.2	6.0	7.7	8.4
4.	Pembinaan <i>Construction</i>	4.9	4.8	4.7	2.5
5.	Perkhidmatan <i>Services</i>	6.6	6.6	7.3	6.9
5.1	Utiliti <i>Utilities</i>	4.4	5.0	5.4	5.0
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	6.9	7.4	9.6	8.8
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	7.9	9.1	9.4	9.5
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	5.7	6.3	6.7	6.7
5.5	Maklumat dan komunikasi <i>Information and communication</i>	8.1	8.5	8.3	7.9
5.6	Kewangan dan insurans <i>Finance and insurance</i>	7.4	4.8	5.7	3.9
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	7.6	8.0	7.9	7.7
5.8	Perkhidmatan lain <i>Other services</i>	5.1	5.0	4.7	5.2
tambah Duti import <i>plus Import duties</i>		14.9	-0.9	-31.8	-14.3
KDNK pada harga pembeli <i>GDP at purchasers' prices</i>		5.3	4.8	4.5	4.8

8b

Quarterly Gross Domestic Product (GDP) by economic activity at constant 2015 prices, Q1 2018 - Q2 2022: Percentage change from corresponding quarter of preceding year

														(%)
2019				2020 ^e				2021 ^p				2022 ^p		
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	
6.0	4.2	3.7	-5.5	-8.8	0.6	-0.5	-1.2	0.1	-1.5	-2.0	2.8	0.1	-2.4	
0.1	2.4	-2.8	-2.4	-2.9	-19.2	-6.6	-9.8	-4.4	10.6	-3.2	-0.6	-1.1	-0.5	
4.1	4.3	3.6	3.0	1.4	-18.4	3.2	3.0	6.7	26.7	-0.8	9.1	6.6	9.2	
5.1	4.5	2.5	1.6	-3.2	9.0	7.3	-6.7	-0.3	-2.1	0.6	10.7	5.0	2.6	
4.6	4.4	3.7	3.8	-1.4	-51.3	-2.8	-2.1	4.2	54.9	-40.2	9.4	5.9	28.9	
4.7	5.8	5.5	5.8	3.1	-41.9	-8.9	-1.5	2.6	40.3	-4.7	4.7	4.8	7.2	
5.5	5.5	5.7	5.0	1.3	-33.3	0.04	2.5	4.5	40.1	-12.2	5.6	6.6	11.7	
3.1	3.2	2.8	2.6	3.8	-13.3	2.1	3.0	7.3	28.0	12.6	6.5	-0.5	-0.9	
4.0	4.3	4.2	3.9	-0.2	-40.1	-6.6	-1.9	1.3	33.5	-14.0	5.8	5.3	10.3	
3.7	4.0	3.0	2.4	2.0	-8.8	9.2	7.8	10.6	26.3	7.1	16.4	15.4	15.5	
6.9	6.8	6.6	4.7	-1.6	-30.7	5.0	6.9	8.1	41.6	-29.6	2.0	2.3	19.9	
0.6	1.1	-1.4	1.3	-7.9	-44.3	-12.2	-13.7	-10.4	40.3	-20.6	-12.2	-6.2	2.4	
6.4	6.1	5.9	6.2	3.2	-16.2	-3.9	-4.6	-2.3	13.4	-4.9	3.2	6.5	12.0	
7.1	6.5	5.6	5.4	5.0	-8.7	-1.6	0.6	1.0	6.6	-1.7	4.8	3.4	4.3	
7.3	6.9	6.7	6.6	2.1	-23.2	-2.3	-1.1	1.3	20.8	-11.6	1.3	4.0	17.3	
9.5	9.3	9.3	9.9	1.5	-41.1	-29.8	-35.5	-30.4	8.8	-17.1	5.6	24.2	35.3	
6.6	7.0	6.8	6.8	-1.9	-44.5	-16.3	-22.7	-16.5	37.3	-12.2	11.8	25.8	35.8	
7.1	6.2	6.0	6.7	6.7	4.8	5.3	7.1	6.3	5.9	6.2	6.8	6.3	5.9	
4.6	4.8	4.3	5.4	5.1	-5.7	5.8	6.2	11.0	23.0	4.2	3.8	-1.0	-1.4	
7.5	8.0	7.8	8.2	3.5	-25.3	-16.0	-21.5	-19.3	1.2	-16.2	-6.7	9.5	21.7	
4.6	4.1	3.7	4.4	3.3	-5.6	-0.7	-1.0	-1.0	6.9	0.3	4.0	6.1	6.3	
-20.4	-3.0	33.6	-5.9	-14.8	-21.0	2.0	13.4	17.1	24.0	-21.3	-4.6	-1.8	5.6	
4.7	4.9	4.5	3.6	0.7	-17.1	-2.5	-3.3	-0.5	15.9	-4.5	3.6	5.0	8.9	

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9a Jumlah jam bekerja tahunan mengikut aktiviti ekonomi, 2017 - 2021
Annual total hours worked by economic activity, 2017 - 2021

		(Juta jam/ Million hours)				
Aktiviti ekonomi Economic activity		2017	2018	2019	2020 ^e	2021 ^p
1.	Pertanian <i>Agriculture</i>	3,893,429	3,869,997	3,937,782	3,778,837	3,954,241
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	195,907	185,476	184,957	167,540	174,652
3.	Pembuatan <i>Manufacturing</i>	5,944,675	6,041,432	6,117,982	5,568,468	5,916,630
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	947,228	955,105	1,001,408	950,262	1,017,708
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	45,111	47,521	48,980	41,741	40,549
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	462,722	494,021	515,262	503,511	521,481
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	762,282	772,477	765,307	652,774	664,818
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	997,749	1,012,860	1,003,591	944,602	1,014,913
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	891,021	892,513	904,233	813,125	852,560
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	1,370,067	1,392,167	1,401,954	1,262,449	1,370,914
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	468,495	474,769	477,245	400,005	433,688
4.	Pembinaan <i>Construction</i>	3,601,293	3,615,873	3,497,935	2,972,121	3,072,455
5.	Perkhidmatan <i>Services</i>	20,241,676	20,599,368	21,286,484	19,483,114	20,721,565
5.1	Utiliti <i>Utilities</i>	233,927	237,982	244,186	225,336	235,908
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	5,802,437	5,933,693	6,092,221	5,570,513	5,894,490
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	3,297,138	3,524,137	3,807,431	3,369,673	3,641,380
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	1,264,380	1,288,650	1,320,264	1,159,200	1,246,398
5.5	Maklumat dan komunikasi <i>Information and communication</i>	519,916	532,735	556,040	524,715	578,680
5.6	Kewangan dan insurans <i>Finance and insurance</i>	832,386	846,167	863,353	802,284	843,416
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	2,572,983	2,625,710	2,695,031	2,468,732	2,554,727
5.8	Perkhidmatan lain <i>Other services</i>	5,718,510	5,610,293	5,707,958	5,362,663	5,726,567
Jumlah jam bekerja <i>Total hours worked</i>		33,876,980	34,312,146	35,025,140	31,970,080	33,839,544

9b

Jumlah jam bekerja tahunan mengikut aktiviti ekonomi, 2017 - 2021: Perubahan peratusan tahunan
Annual total hours worked by economic activity, 2017 - 2021: Annual percentage change

		(%)				
Aktiviti ekonomi <i>Economic activity</i>		2017	2018	2019	2020 ^e	2021 ^p
1.	Pertanian <i>Agriculture</i>	4.1	-0.6	1.8	-4.0	4.6
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	2.9	-5.3	-0.3	-9.4	4.2
3.	Pembuatan <i>Manufacturing</i>	2.4	1.6	1.3	-9.0	6.3
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	2.8	0.8	4.8	-5.1	7.1
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	4.7	5.3	3.1	-14.8	-2.9
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	0.4	6.8	4.3	-2.3	3.6
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	-2.2	1.3	-0.9	-14.7	1.8
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	3.4	1.5	-0.9	-5.9	7.4
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	7.1	0.2	1.3	-10.1	4.8
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	1.9	1.6	0.7	-10.0	8.6
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	1.6	1.3	0.5	-16.2	8.4
4.	Pembinaan <i>Construction</i>	0.01	0.4	-3.3	-15.0	3.4
5.	Perkhidmatan <i>Services</i>	1.9	1.8	3.3	-8.5	6.4
5.1	Utiliti <i>Utilities</i>	-2.1	1.7	2.6	-7.7	4.7
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	4.4	2.3	2.7	-8.6	5.8
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	3.9	6.9	8.0	-11.5	8.1
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	-0.4	1.9	2.5	-12.2	7.5
5.5	Maklumat dan komunikasi <i>Information and communication</i>	7.7	2.5	4.4	-5.6	10.3
5.6	Kewangan dan insurans <i>Finance and insurance</i>	2.6	1.7	2.0	-7.1	5.1
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	2.8	2.0	2.6	-8.4	3.5
5.8	Perkhidmatan lain <i>Other services</i>	-1.8	-1.9	1.7	-6.0	6.8
Jumlah jam bekerja Total hours worked		2.0	1.3	2.1	-8.7	5.8

10a Jumlah jam bekerja suku tahunan mengikut aktiviti ekonomi, ST1 2018 - ST2 2022

		(Juta jam/ Million hours)			
Aktiviti ekonomi Economic activity		2018			
		I	II	III	IV
1.	Pertanian <i>Agriculture</i>	966,453	957,671	973,365	972,507
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	48,043	44,748	48,760	43,925
3.	Pembuatan <i>Manufacturing</i>	1,509,552	1,491,485	1,514,500	1,525,895
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	232,995	234,966	246,744	240,400
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	11,604	11,934	12,227	11,756
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	130,202	126,567	115,993	121,259
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	196,541	196,591	190,655	188,691
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	252,989	246,523	252,650	260,697
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	222,202	222,285	224,290	223,736
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	345,825	338,256	355,534	352,552
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	117,194	114,363	116,407	126,804
4.	Pembinaan <i>Construction</i>	917,455	888,389	889,590	920,439
5.	Perkhidmatan <i>Services</i>	5,116,383	5,103,732	5,209,978	5,169,275
5.1	Utiliti <i>Utilities</i>	58,517	58,614	60,093	60,758
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	1,468,319	1,490,798	1,497,052	1,477,524
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	855,881	847,176	893,391	927,689
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	331,227	308,531	314,181	334,711
5.5	Maklumat dan komunikasi <i>Information and communication</i>	127,603	130,706	134,025	140,401
5.6	Kewangan dan insurans <i>Finance and insurance</i>	204,284	215,736	213,669	212,477
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	662,520	639,917	664,652	658,622
5.8	Perkhidmatan lain <i>Other services</i>	1,408,032	1,412,253	1,432,916	1,357,093
Jumlah jam bekerja <i>Total hours worked</i>		8,557,886	8,486,025	8,636,194	8,632,041

10a Quarterly total hours worked by economic activity, Q1 2018 - Q2 2022

(Juta jam/ Million hours)

2019				2020 ^e				2021 ^p				2022 ^p	
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
992,602	977,363	993,115	974,702	975,366	849,413	981,896	972,162	983,459	991,438	996,527	982,816	987,085	1,002,142
47,402	46,328	48,284	42,943	44,732	34,690	47,101	41,017	43,635	42,532	43,647	44,837	45,335	44,573
1,519,625	1,518,316	1,525,796	1,554,245	1,508,955	1,076,506	1,473,158	1,509,849	1,488,234	1,423,888	1,429,513	1,574,995	1,588,771	1,584,962
248,031	249,470	252,769	251,138	250,649	200,550	245,036	254,027	247,282	248,291	250,440	271,695	278,083	274,790
12,401	12,405	12,181	11,993	12,128	8,588	10,681	10,344	10,353	9,570	10,206	10,419	10,987	10,209
129,987	126,783	124,559	133,932	135,923	110,309	124,573	132,706	133,413	124,671	125,696	137,700	145,308	143,531
188,836	193,913	191,847	190,711	186,171	112,108	177,902	176,593	172,648	153,756	155,664	182,750	183,289	183,613
246,872	249,665	249,689	257,366	245,927	199,808	247,241	251,626	253,049	250,374	250,725	260,765	264,019	262,518
228,062	222,600	225,128	228,443	222,678	152,454	214,703	223,290	222,549	201,957	199,891	228,163	226,777	225,035
348,553	347,002	352,768	353,632	340,049	233,022	342,697	346,681	337,621	330,453	335,276	367,564	360,691	367,899
116,882	116,477	116,856	127,031	115,431	59,666	110,324	114,583	111,318	104,816	101,615	115,940	119,617	117,365
880,186	864,070	862,237	891,442	824,286	495,365	829,687	822,782	808,554	753,755	699,051	811,095	826,794	814,376
5,289,704	5,287,391	5,358,158	5,351,231	5,257,160	3,780,492	5,213,169	5,232,293	5,214,139	5,100,687	5,045,600	5,361,139	5,486,727	5,492,873
60,625	60,180	61,225	62,155	60,010	44,854	60,167	60,306	60,232	58,393	55,431	61,852	63,188	61,570
1,488,022	1,537,346	1,544,635	1,522,217	1,485,218	1,083,120	1,500,922	1,501,252	1,476,086	1,435,807	1,441,800	1,540,796	1,576,017	1,592,302
938,208	925,332	952,172	991,718	946,661	638,784	870,763	913,465	901,893	884,419	909,898	945,170	977,459	954,012
337,100	318,586	323,110	341,469	330,785	199,783	310,263	318,369	326,543	301,141	293,745	324,969	337,615	339,024
132,046	135,617	140,340	148,038	136,495	93,843	145,228	149,149	139,909	142,807	143,983	151,981	148,992	149,021
213,931	216,010	216,421	216,991	209,921	168,013	212,122	212,227	213,008	210,521	206,618	213,269	214,708	214,428
676,479	659,426	676,449	682,677	680,022	465,809	657,635	665,265	651,386	634,849	613,347	655,144	671,870	670,099
1,443,294	1,434,894	1,443,805	1,385,965	1,408,048	1,086,287	1,456,068	1,412,260	1,445,082	1,432,750	1,380,778	1,467,958	1,496,879	1,512,418
8,729,518	8,693,469	8,787,590	8,814,563	8,610,500	6,236,466	8,545,011	8,578,103	8,538,022	8,312,301	8,214,340	8,774,882	8,934,713	8,938,926

10b

Jumlah jam bekerja suku tahunan mengikut aktiviti ekonomi, ST1 2018 - ST2 2022:
Perubahan peratusan dari suku tahun yang sama tahun sebelumnya

		(%)			
Aktiviti ekonomi <i>Economic activity</i>		2018			
		I	II	III	IV
1.	Pertanian <i>Agriculture</i>	4.8	-4.9	-2.5	0.6
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	-10.0	-7.8	-3.4	0.9
3.	Pembuatan <i>Manufacturing</i>	0.5	2.2	2.2	1.6
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	-5.8	2.2	2.2	5.3
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	3.4	8.4	6.0	3.6
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	12.4	7.5	2.8	4.2
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	-0.4	6.7	0.2	-0.9
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	3.1	0.7	2.7	-0.3
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	-1.6	1.0	0.2	1.1
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	0.1	0.7	4.2	1.5
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	2.9	-1.1	2.0	1.6
4.	Pembinaan <i>Construction</i>	5.0	-0.1	-0.03	-2.9
5.	Perkhidmatan <i>Services</i>	0.2	2.0	2.0	2.9
5.1	Utiliti <i>Utilities</i>	-3.0	3.2	4.9	2.0
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	1.1	1.7	3.7	2.6
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	3.4	6.7	8.4	9.0
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	1.5	1.3	1.4	3.5
5.5	Maklumat dan komunikasi <i>Information and communication</i>	6.0	0.2	-1.4	5.4
5.6	Kewangan dan insurans <i>Finance and insurance</i>	-0.02	4.6	0.9	1.2
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	5.6	6.7	-3.2	-0.1
5.8	Perkhidmatan lain <i>Other services</i>	-5.4	-2.4	-0.2	0.7
Jumlah jam bekerja <i>Total hours worked</i>		1.2	0.9	1.3	1.7

10b

Quarterly total hours worked by economic activity, Q1 2018 - Q2 2022:
Percentage change from corresponding quarter of preceding year

														(%)
2019				2020 ^e				2021 ^p				2022 ^p		
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	
2.7	2.1	2.0	0.2	-1.7	-13.1	-1.1	-0.3	0.8	16.7	1.5	1.1	0.4	1.1	
-1.3	3.5	-1.0	-2.2	-5.6	-25.1	-2.4	-4.5	-2.5	22.6	-7.3	9.3	3.9	4.8	
0.7	1.8	0.7	1.9	-0.7	-29.1	-3.4	-2.9	-1.4	32.3	-3.0	4.3	6.8	11.3	
6.5	6.2	2.4	4.5	1.1	-19.6	-3.1	1.2	-1.3	23.8	2.2	7.0	12.5	10.7	
6.9	3.9	-0.4	2.0	-2.2	-30.8	-12.3	-13.8	-14.6	11.4	-4.4	0.7	6.1	6.7	
-0.2	0.2	7.4	10.5	4.6	-13.0	0.01	-0.9	-1.8	13.0	0.9	3.8	8.9	15.1	
-3.9	-1.4	0.6	1.1	-1.4	-42.2	-7.3	-7.4	-7.3	37.1	-12.5	3.5	6.2	19.4	
-2.4	1.3	-1.2	-1.3	-0.4	-20.0	-1.0	-2.2	2.9	25.3	1.4	3.6	4.3	4.9	
2.6	0.1	0.4	2.1	-2.4	-31.5	-4.6	-2.3	-0.1	32.5	-6.9	2.2	1.9	11.4	
0.8	2.6	-0.8	0.3	-2.4	-32.8	-2.9	-2.0	-0.7	41.8	-2.2	6.0	6.8	11.3	
-0.3	1.8	0.4	0.2	-1.2	-48.8	-5.6	-9.8	-3.6	75.7	-7.9	1.2	7.5	12.0	
-4.1	-2.7	-3.1	-3.2	-6.4	-42.7	-3.8	-7.7	-1.9	52.2	-15.7	-1.4	2.3	8.0	
3.4	3.6	2.8	3.5	-0.6	-28.5	-2.7	-2.2	-0.8	34.9	-3.2	2.5	5.2	7.7	
3.6	2.7	1.9	2.3	-1.0	-25.5	-1.7	-3.0	0.4	30.2	-7.9	2.6	4.9	5.4	
1.3	3.1	3.2	3.0	-0.2	-29.5	-2.8	-1.4	-0.6	32.6	-3.9	2.6	6.8	10.9	
9.6	9.2	6.6	6.9	0.9	-31.0	-8.5	-7.9	-4.7	38.5	4.5	3.5	8.4	7.9	
1.8	3.3	2.8	2.0	-1.9	-37.3	-4.0	-6.8	-1.3	50.7	-5.3	2.1	3.4	12.6	
3.5	3.8	4.7	5.4	3.4	-30.8	3.5	0.8	2.5	52.2	-0.9	1.9	6.5	4.4	
4.7	0.1	1.3	2.1	-1.9	-22.2	-2.0	-2.2	1.5	25.3	-2.6	0.5	0.8	1.9	
2.1	3.0	1.8	3.7	0.5	-29.4	-2.8	-2.6	-4.2	36.3	-6.7	-1.5	3.1	5.6	
2.5	1.6	0.8	2.1	-2.4	-24.3	0.8	1.9	2.6	31.9	-5.2	3.9	3.6	5.6	
2.0	2.4	1.8	2.1	-1.4	-28.3	-2.8	-2.7	-0.8	33.3	-3.9	2.3	4.6	7.5	

11a Pekerja tahunan mengikut aktiviti ekonomi, 2017 - 2021
Annual employment by economic activity, 2017 - 2021

		('000)				
Aktiviti ekonomi Economic activity		2017	2018	2019	2020 ^a	2021 ^P
1.	Pertanian <i>Agriculture</i>	1,839	1,844	1,873	1,866	1,874
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	81	76	75	74	75
3.	Pembuatan <i>Manufacturing</i>	2,441	2,502	2,553	2,552	2,618
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	416	429	439	448	469
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	18	19	20	18	18
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	225	239	252	251	261
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	302	302	307	299	299
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	389	395	402	410	425
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	353	361	362	363	367
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	545	562	575	575	590
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	193	194	196	186	188
4.	Pembinaan <i>Construction</i>	1,497	1,509	1,463	1,399	1,385
5.	Perkhidmatan <i>Services</i>	8,601	8,880	9,161	9,206	9,338
5.1	Utiliti <i>Utilities</i>	98	101	103	104	105
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	2,374	2,449	2,529	2,557	2,615
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	1,403	1,516	1,633	1,626	1,641
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	516	526	539	539	535
5.5	Maklumat dan komunikasi <i>Information and communication</i>	216	223	236	243	250
5.6	Kewangan dan insurans <i>Finance and insurance</i>	362	368	375	376	374
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	1,055	1,092	1,126	1,137	1,123
5.8	Perkhidmatan lain <i>Other services</i>	2,576	2,603	2,620	2,623	2,694
Jumlah pekerja <i>Total employment</i>		14,459	14,810	15,126	15,096	15,290

11b

Pekerja tahunan mengikut aktiviti ekonomi, 2017 - 2021: Perubahan peratusan tahunan
Annual employment by economic activity, 2017 - 2021: Annual percentage change

		(%)				
Aktiviti ekonomi <i>Economic activity</i>		2017	2018	2019	2020 ^a	2021 ^p
1.	Pertanian <i>Agriculture</i>	3.6	0.2	1.6	-0.4	0.4
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	5.5	-6.0	-0.4	-2.3	1.7
3.	Pembuatan <i>Manufacturing</i>	2.1	2.5	2.1	-0.1	2.6
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	2.2	3.1	2.4	2.0	4.7
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	5.3	3.5	2.4	-7.8	-1.8
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	1.4	6.6	5.5	-0.4	3.9
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	-1.6	0.1	1.5	-2.5	0.1
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	2.0	1.6	1.8	2.0	3.6
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	5.7	2.2	0.5	0.2	1.1
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	1.6	3.2	2.2	0.1	2.6
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	3.4	0.6	0.9	-4.8	0.9
4.	Pembinaan <i>Construction</i>	-0.1	0.8	-3.1	-4.4	-1.0
5.	Perkhidmatan <i>Services</i>	1.9	3.2	3.2	0.5	1.4
5.1	Utiliti <i>Utilities</i>	-0.4	2.7	2.2	0.8	1.1
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	4.1	3.2	3.3	1.1	2.2
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	2.6	8.1	7.7	-0.4	0.9
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	0.7	1.8	2.6	-0.1	-0.7
5.5	Maklumat dan komunikasi <i>Information and communication</i>	6.3	3.7	5.6	3.1	2.5
5.6	Kewangan dan insurans <i>Finance and insurance</i>	3.1	1.8	1.7	0.4	-0.5
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	3.4	3.5	3.1	0.9	-1.2
5.8	Perkhidmatan lain <i>Other services</i>	-1.1	1.1	0.6	0.1	2.7
Jumlah pekerja Total employment		2.0	2.4	2.1	-0.2	1.3

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12a Pekerja suku tahunan mengikut aktiviti ekonomi, ST1 2018 - ST2 2022

		('000)			
Aktiviti ekonomi <i>Economic activity</i>		2018			
		I	II	III	IV
1.	Pertanian <i>Agriculture</i>	1,841	1,826	1,861	1,848
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	79	76	78	69
3.	Pembuatan <i>Manufacturing</i>	2,483	2,493	2,499	2,531
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	425	427	430	434
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	19	19	19	19
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	247	240	232	239
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	299	301	304	305
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	394	395	394	398
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	362	361	360	360
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	549	560	568	572
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	188	190	191	206
4.	Pembinaan <i>Construction</i>	1,526	1,495	1,491	1,525
5.	Perkhidmatan <i>Services</i>	8,754	8,876	8,928	8,961
5.1	Utiliti <i>Utilities</i>	100	100	101	104
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	2,407	2,479	2,475	2,434
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	1,463	1,510	1,517	1,575
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	536	513	514	540
5.5	Maklumat dan komunikasi <i>Information and communication</i>	210	220	227	237
5.6	Kewangan dan insurans <i>Finance and insurance</i>	359	375	372	367
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	1,092	1,069	1,102	1,106
5.8	Perkhidmatan lain <i>Other services</i>	2,587	2,611	2,620	2,597
Jumlah pekerja <i>Total employment</i>		14,684	14,767	14,857	14,933

12a Quarterly employment by economic activity, Q1 2018 - Q2 2022

														('000)
2019				2020 ^e				2021 ^p				2022 ^p		
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	
1,881	1,862	1,892	1,857	1,883	1,852	1,877	1,851	1,870	1,886	1,889	1,849	1,854	1,872	
76	77	79	70	74	75	78	68	74	74	76	76	76	76	
2,535	2,539	2,550	2,588	2,576	2,506	2,540	2,584	2,604	2,577	2,612	2,678	2,702	2,705	
437	436	440	444	445	443	447	458	461	464	469	483	486	489	
20	20	19	19	20	17	17	17	18	17	18	18	18	18	
256	252	247	255	267	244	244	250	263	258	256	268	278	274	
305	305	308	310	307	290	298	302	303	286	300	308	309	304	
398	402	402	407	406	404	411	418	424	425	424	426	435	435	
362	361	363	364	363	360	362	367	372	358	363	375	379	374	
566	572	578	583	576	568	575	583	576	585	593	608	600	615	
191	192	192	207	191	180	185	189	189	183	188	193	196	195	
1,464	1,456	1,439	1,493	1,424	1,364	1,404	1,404	1,391	1,390	1,374	1,386	1,382	1,383	
9,054	9,143	9,202	9,246	9,284	9,087	9,197	9,255	9,298	9,279	9,323	9,451	9,561	9,666	
102	102	103	106	104	103	103	106	106	105	105	106	107	108	
2,486	2,562	2,554	2,514	2,544	2,557	2,577	2,551	2,578	2,590	2,624	2,666	2,704	2,745	
1,585	1,621	1,631	1,694	1,686	1,580	1,593	1,644	1,630	1,634	1,643	1,658	1,694	1,709	
551	526	527	554	564	523	523	546	556	522	518	543	559	566	
221	233	240	250	231	240	248	254	241	247	251	259	252	257	
369	379	377	374	374	379	379	373	375	375	374	373	373	373	
1,127	1,104	1,135	1,140	1,154	1,113	1,139	1,141	1,126	1,122	1,116	1,130	1,134	1,152	
2,614	2,617	2,636	2,614	2,627	2,591	2,634	2,639	2,685	2,683	2,692	2,717	2,738	2,756	
15,010	15,078	15,162	15,255	15,243	14,884	15,096	15,162	15,237	15,207	15,275	15,441	15,575	15,701	

12b

Pekerja suku tahunan mengikut aktiviti ekonomi, ST1 2018 - ST2 2022:
Perubahan peratusan dari suku tahun yang sama tahun sebelumnya

		(%)			
Aktiviti ekonomi <i>Economic activity</i>		2018			
		I	II	III	IV
1.	Pertanian <i>Agriculture</i>	4.2	-3.7	0.6	0.2
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	-7.7	-7.0	-5.4	-3.3
3.	Pembuatan <i>Manufacturing</i>	1.9	3.3	2.7	2.1
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	1.0	4.8	3.6	2.9
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	3.7	4.1	4.1	2.2
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	9.3	9.7	3.8	3.6
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	-1.6	-0.1	1.1	1.1
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	0.9	2.1	2.0	1.3
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	2.8	3.2	1.6	1.3
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	1.5	4.0	4.2	3.0
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	1.2	-0.9	0.5	1.5
4.	Pembinaan <i>Construction</i>	4.1	0.6	1.3	-2.6
5.	Perkhidmatan <i>Services</i>	1.8	4.0	3.3	3.9
5.1	Utiliti <i>Utilities</i>	0.2	3.7	4.0	3.2
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	1.2	3.7	4.1	3.7
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	5.8	8.8	8.8	8.9
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	1.2	2.4	2.1	1.7
5.5	Maklumat dan komunikasi <i>Information and communication</i>	3.3	2.6	1.7	7.0
5.6	Kewangan dan insurans <i>Finance and insurance</i>	0.5	4.1	1.7	1.0
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	5.2	7.7	-0.7	2.5
5.8	Perkhidmatan lain <i>Other services</i>	-0.8	0.7	1.8	2.6
Jumlah pekerja <i>Total employment</i>		2.3	2.4	2.6	2.4

12b

Quarterly employment by economic activity, Q1 2018 - Q2 2022:
Percentage change from corresponding quarter of preceding year

														(%)
2019				2020 ^e				2021 ^p				2022 ^p		
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	
2.2	2.0	1.7	0.5	0.1	-0.5	-0.8	-0.4	-0.7	1.8	0.6	-0.1	-0.8	-0.7	
-4.6	1.4	1.1	0.7	-1.7	-3.5	-2.3	-1.6	-0.8	-0.2	-2.3	11.0	2.6	1.8	
2.1	1.8	2.0	2.3	1.6	-1.3	-0.4	-0.2	1.1	2.8	2.9	3.6	3.7	4.9	
3.0	2.1	2.2	2.5	1.8	1.7	1.7	3.0	3.5	4.7	4.9	5.6	5.5	5.3	
3.2	2.3	1.2	3.0	1.5	-11.9	-10.1	-10.8	-9.3	-0.5	1.6	2.0	1.5	2.9	
3.9	4.9	6.4	6.8	4.4	-2.9	-1.4	-1.7	-1.7	5.6	5.2	7.0	5.9	6.4	
1.8	1.2	1.4	1.7	0.7	-5.0	-3.2	-2.6	-1.4	-1.2	0.6	2.3	2.1	6.3	
1.2	1.8	2.0	2.2	2.1	0.5	2.3	2.9	4.3	5.3	3.2	1.8	2.6	2.5	
-0.2	0.1	0.9	1.2	0.4	-0.4	-0.3	0.9	2.4	-0.5	0.4	2.1	1.9	4.5	
3.2	2.1	1.7	1.8	1.7	-0.7	-0.6	0.01	-0.1	3.1	3.2	4.3	4.3	5.0	
1.3	1.1	0.6	0.6	0.1	-6.3	-3.9	-8.5	-1.3	1.6	1.7	1.9	4.0	6.8	
-4.0	-2.6	-3.5	-2.1	-2.7	-6.3	-2.4	-6.0	-2.4	1.9	-2.1	-1.2	-0.6	-0.5	
3.4	3.0	3.1	3.2	2.5	-0.6	-0.1	0.1	0.1	2.1	1.4	2.1	2.8	4.2	
2.3	2.5	2.1	2.1	1.7	0.9	0.7	0.1	1.4	1.7	1.3	-0.1	1.1	3.3	
3.3	3.4	3.2	3.3	2.3	-0.2	0.9	1.5	1.4	1.3	1.8	4.5	4.9	6.0	
8.3	7.3	7.5	7.6	6.4	-2.5	-2.3	-3.0	-3.3	3.4	3.2	0.8	3.9	4.5	
2.6	2.6	2.5	2.6	2.5	-0.7	-0.7	-1.6	-1.4	-0.1	-0.9	-0.4	0.5	8.4	
5.3	5.9	5.5	5.6	4.5	3.2	3.4	1.5	4.5	2.9	1.1	1.9	4.5	3.9	
2.7	1.1	1.4	1.8	1.5	-0.1	0.3	-0.2	0.2	-1.1	-1.1	-0.1	-0.7	-0.5	
3.2	3.3	2.9	3.0	2.4	0.8	0.4	0.1	-2.4	0.8	-2.0	-1.0	0.7	2.7	
1.1	0.2	0.6	0.7	0.5	-1.0	-0.1	1.0	2.2	3.6	2.2	2.9	2.0	2.7	
2.2	2.1	2.1	2.2	1.6	-1.3	-0.4	-0.6	-0.04	2.2	1.2	1.8	2.2	3.2	

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INDEKS

Indices

11 Produktiviti buruh tahunan, indeks produktiviti buruh per jam bekerja mengikut aktiviti ekonomi (2015=100), 2015 - 2021
Annual labour productivity, index of labour productivity per hour worked by economic activity (2015=100), 2015 - 2021

	Aktiviti ekonomi <i>Economic activity</i>	2015	2016	2017	2018	2019	2020 ^e	2021 ^p
1.	Pertanian <i>Agriculture</i>	100.0	99.7	101.4	102.2	102.4	104.1	99.3
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	100.0	102.3	99.8	103.2	102.8	102.4	98.5
3.	Pembuatan <i>Manufacturing</i>	100.0	103.6	107.3	110.8	113.6	121.4	125.2
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	100.0	94.8	102.4	105.3	103.8	111.2	106.0
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	100.0	107.8	109.1	106.3	107.3	105.5	109.2
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	100.0	102.2	109.8	107.3	108.5	96.3	100.6
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	100.0	108.7	116.3	120.1	127.8	138.7	145.4
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	100.0	103.6	104.3	106.9	111.0	116.7	122.7
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	100.0	102.7	100.6	105.4	108.3	104.7	104.1
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	100.0	106.7	112.5	117.7	120.7	137.5	145.1
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	100.0	106.7	110.5	115.9	122.4	139.1	130.5
4.	Pembinaan <i>Construction</i>	100.0	109.4	116.8	121.2	125.8	119.4	109.4
5.	Perkhidmatan <i>Services</i>	100.0	102.3	106.7	112.0	115.0	118.9	113.9
5.1	Utiliti <i>Utilities</i>	100.0	101.7	106.9	110.4	114.2	122.2	119.7
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	100.0	99.8	102.5	108.5	112.9	116.1	111.5
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	100.0	104.5	108.1	110.3	111.7	92.6	76.2
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	100.0	100.8	107.5	112.2	116.9	104.6	98.6
5.5	Maklumat dan komunikasi <i>Information and communication</i>	100.0	108.9	109.8	116.0	118.3	132.8	128.0
5.6	Kewangan dan insurans <i>Finance and insurance</i>	100.0	103.0	105.0	108.9	111.9	123.9	129.6
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	100.0	102.7	107.5	113.6	119.4	110.7	95.2
5.8	Perkhidmatan lain <i>Other services</i>	100.0	103.7	110.9	118.7	121.6	128.1	122.9
	Produktiviti buruh <i>Labour productivity</i>	100.0	102.9	106.7	110.5	113.0	116.9	113.9

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Produktiviti buruh tahunan, indeks produktiviti buruh per pekerja mengikut aktiviti ekonomi (2015=100), 2015 - 2021
 Annual labour productivity, index of labour productivity per employment by economic activity (2015=100), 2015 - 2021

	Aktiviti ekonomi Economic activity	2015	2016	2017	2018	2019	2020 ^e	2021 ^p
1.	Pertanian <i>Agriculture</i>	100.0	101.8	104.1	104.0	104.3	102.2	101.5
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	100.0	105.9	100.8	104.9	104.6	96.6	95.3
3.	Pembuatan <i>Manufacturing</i>	100.0	103.8	107.9	110.5	112.3	109.4	116.8
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	100.0	95.8	104.2	104.8	105.7	105.3	102.7
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	100.0	107.8	108.5	107.5	109.3	99.2	101.7
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	100.0	107.6	114.6	112.2	112.2	97.6	101.7
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	100.0	107.7	114.6	119.8	124.4	118.1	126.0
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	100.0	103.1	105.2	107.7	108.9	105.7	115.2
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	100.0	102.2	101.3	104.0	107.8	93.5	96.4
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	100.0	106.8	113.0	116.4	117.6	120.5	134.6
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	100.0	106.6	108.5	114.6	120.6	120.6	121.5
4.	Pembinaan <i>Construction</i>	100.0	108.8	116.2	120.2	124.5	105.0	100.5
5.	Perkhidmatan <i>Services</i>	100.0	102.0	106.3	110.1	113.2	106.6	107.1
5.1	Utiliti <i>Utilities</i>	100.0	105.4	108.9	111.2	115.5	113.1	114.8
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	100.0	99.4	102.4	107.4	111.1	103.3	102.7
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	100.0	102.8	107.7	108.7	110.5	81.4	71.7
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	100.0	101.3	106.7	111.5	116.1	91.3	93.1
5.5	Maklumat dan komunikasi <i>Information and communication</i>	100.0	109.4	111.8	116.6	117.6	120.8	125.3
5.6	Kewangan dan insurans <i>Finance and insurance</i>	100.0	102.1	103.7	107.3	110.5	113.3	125.3
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	100.0	102.9	107.0	111.4	116.6	98.1	88.3
5.8	Perkhidmatan lain <i>Other services</i>	100.0	103.5	109.9	114.2	118.3	116.9	116.7
	Produktiviti buruh <i>Labour productivity</i>	100.0	103.1	107.0	109.5	111.9	105.9	107.8

13 Produktiviti buruh tahunan, indeks produktiviti buruh per jam bekerja mengikut 9 subsektor keutamaan (2015=100), 2015 - 2021
Annual labour productivity, Index of labour productivity per hour worked by 9 priority sub-sectors (2015=100), 2015 - 2021

	Aktiviti ekonomi <i>Economic activity</i>	2015	2016	2017	2018	2019	2020^e	2021^p
1.	Agro-makanan <i>Agro-food</i>	100.0	99.3	100.9	102.0	103.4	108.7	107.3
2.	Kimia dan produk kimia <i>Chemicals and chemical products</i>	100.0	107.8	111.1	114.2	114.5	117.1	127.8
3.	Mesin dan peralatan <i>Machinery and equipment</i>	100.0	108.1	107.0	113.7	116.7	124.5	130.2
4.	Elektrik dan elektronik <i>Electrical and electronics</i>	100.0	106.5	113.7	118.4	121.7	141.1	148.9
5.	Peruncitan dan makanan & minuman <i>Retail and food & beverages</i>	100.0	101.8	106.8	112.8	116.9	115.2	108.5
6.	Pelancongan <i>Tourism</i>	100.0	102.4	105.1	112.1	117.6	71.3	48.5
7.	Teknologi, maklumat dan komunikasi (ICT) <i>Information, communication and technology (ICT)</i>	100.0	108.9	109.8	116.0	118.3	132.8	128.0
8.	Perkhidmatan professional <i>Professional services</i>	100.0	104.5	113.8	121.2	128.3	129.7	112.7
9.	Penjagaan kesihatan swasta <i>Private healthcare</i>	100.0	103.5	101.5	106.4	108.9	106.8	113.9
	Produktiviti buruh <i>Labour productivity</i>	100.0	102.8	106.8	111.3	113.7	119.0	117.1

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Produktiviti buruh tahunan, indeks produktiviti buruh per pekerja mengikut 9 subsektor keutamaan (2015=100), 2015 - 2021
 Annual labour productivity, index of labour productivity per employment by 9 priority sub-sectors (2015=100), 2015 - 2021

	Aktiviti ekonomi <i>Economic activity</i>	2015	2016	2017	2018	2019	2020 ^e	2021 ^p
1.	Agro-makanan <i>Agro-food</i>	100.0	102.3	104.4	104.8	107.4	107.2	110.5
2.	Kimia dan produk kimia <i>Chemicals and chemical products</i>	100.0	105.9	109.9	111.2	108.8	104.5	115.2
3.	Mesin dan peralatan <i>Machinery and equipment</i>	100.0	106.1	108.0	112.2	112.9	110.1	120.0
4.	Elektrik dan elektronik <i>Electrical and electronics</i>	100.0	106.9	114.0	117.1	118.6	123.3	138.1
5.	Peruncitan dan makanan & minuman <i>Retail and food & beverages</i>	100.0	100.8	106.5	111.1	114.7	102.5	100.8
6.	Pelancongan <i>Tourism</i>	100.0	101.0	105.3	110.8	116.6	58.4	41.5
7.	Teknologi, maklumat dan komunikasi (ICT) <i>Information, communication and technology (ICT)</i>	100.0	109.4	111.8	116.6	117.6	120.8	125.3
8.	Perkhidmatan professional <i>Professional services</i>	100.0	106.2	113.0	120.2	127.3	114.6	108.2
9.	Penjagaan kesihatan swasta <i>Private healthcare</i>	100.0	105.1	104.9	107.9	109.8	101.0	109.9
	Produktiviti buruh <i>Labour productivity</i>	100.0	102.7	107.2	110.5	112.4	106.7	110.2

15 Produktiviti buruh suku tahunan, indeks produktiviti buruh per jam bekerja mengikut aktiviti ekonomi (2015=100), ST1 2015 - ST2 2022

Aktiviti ekonomi <i>Economic activity</i>	2015				2016				2017			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
1. Pertanian <i>Agriculture</i>	90.4	94.7	112.1	102.8	95.1	98.2	105.3	99.6	97.3	93.2	108.4	106.7
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>	106.5	106.2	99.6	89.6	100.0	97.1	102.7	110.0	93.0	99.7	93.4	115.9
3. Pembuatan <i>Manufacturing</i>	95.3	99.9	101.3	103.5	101.0	103.2	104.0	106.1	100.9	108.7	108.9	110.9
3.1 Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	84.2	105.1	106.9	104.0	86.6	94.1	96.4	101.4	84.4	103.7	105.2	117.8
3.2 Minuman dan produk tembakau <i>Beverages and tobacco products</i>	76.5	116.8	114.6	95.4	97.6	119.4	115.1	98.3	93.6	127.6	112.0	103.7
3.3 Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	93.9	108.5	99.2	98.2	97.0	109.4	103.8	98.2	100.3	118.0	113.7	107.3
3.4 Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	97.7	102.0	99.6	100.6	109.6	109.4	107.8	107.9	115.2	122.5	113.6	114.2
3.5 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	95.1	96.2	104.8	104.0	98.9	100.9	106.7	107.9	98.7	102.6	109.8	105.9
3.6 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	92.3	108.3	103.6	95.8	98.1	112.5	101.4	98.7	90.5	110.0	103.7	98.5
3.7 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	105.2	93.8	97.3	103.8	112.2	100.7	105.2	108.7	116.1	110.9	109.6	113.3
3.8 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	85.3	104.2	95.6	114.4	93.9	111.2	105.1	115.6	98.6	110.9	112.6	119.1
4. Pembinaan <i>Construction</i>	102.8	92.9	102.3	102.1	105.7	104.2	118.8	109.3	119.9	113.5	122.2	111.8
5. Perkhidmatan <i>Services</i>	95.6	98.0	102.6	103.8	98.0	98.7	104.8	107.6	100.6	105.3	107.3	113.5
5.1 Utiliti <i>Utilities</i>	93.5	102.4	105.5	99.0	97.3	106.7	103.6	99.5	100.5	110.1	111.0	106.5
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	92.9	98.6	104.6	103.9	93.7	93.0	105.2	107.8	94.9	97.8	106.2	111.3
5.3 Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	96.9	99.0	102.0	102.0	99.3	102.4	107.4	108.9	103.0	109.0	107.9	112.6
5.4 Pengangkutan dan penyimpanan <i>Transportation and storage</i>	94.1	98.1	103.8	104.3	94.9	102.0	104.2	102.6	101.0	109.2	109.8	110.1
5.5 Maklumat dan komunikasi <i>Information and communication</i>	96.1	99.5	105.3	99.3	113.4	107.8	106.1	108.8	114.6	110.0	107.7	107.5
5.6 Kewangan dan insurans <i>Finance and insurance</i>	99.0	100.6	98.8	101.6	103.8	98.6	103.6	105.9	103.9	103.6	103.2	109.4
5.7 Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	98.5	97.5	104.3	100.0	103.7	99.6	102.5	105.3	106.7	114.8	100.0	109.5
5.8 Perkhidmatan lain <i>Other services</i>	94.8	95.7	99.7	109.9	97.6	100.2	103.9	113.4	101.2	106.2	111.7	125.5
Produktiviti buruh <i>Labour productivity</i>	96.3	98.0	102.3	103.4	99.4	100.5	104.8	106.9	102.1	105.2	107.8	111.7

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Quarterly labour productivity, index of labour productivity per hour worked by economic activity (2015=100), Q1 2015 - Q2 2022

2018				2019				2020 ^o				2021 ^p				2022 ^p	
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
95.7	96.5	110.5	105.9	98.8	98.5	112.2	99.8	91.7	114.1	112.9	98.8	91.1	96.3	109.1	100.5	90.8	93.0
100.7	106.8	91.8	114.7	102.2	105.6	90.2	114.5	105.2	113.9	86.3	108.2	103.1	102.7	90.2	98.4	98.1	97.5
105.7	111.6	111.9	114.2	109.3	114.3	115.1	115.5	111.6	131.6	123.0	122.5	120.7	126.0	125.8	128.2	120.5	123.6
97.9	106.0	105.4	111.8	96.6	104.3	105.4	108.7	92.6	141.5	116.7	100.3	93.6	111.9	114.8	103.7	87.3	103.8
91.8	121.5	109.1	102.2	89.9	122.0	113.6	103.9	90.6	85.8	125.9	118.0	110.7	119.3	78.8	128.2	110.4	144.1
95.2	114.2	113.8	107.0	99.8	120.6	111.9	102.4	98.4	80.6	101.9	101.9	102.9	100.0	96.3	102.8	99.0	93.1
120.3	118.8	120.5	120.9	132.1	127.0	126.6	125.6	135.7	146.6	136.6	138.9	152.9	149.7	137.1	141.7	153.5	140.1
100.4	105.8	111.1	110.0	106.0	107.9	115.6	114.3	110.5	116.8	119.2	120.4	115.2	119.3	132.3	123.8	109.9	112.8
96.8	114.6	108.9	101.3	98.2	119.4	113.0	103.1	100.4	104.4	110.6	103.5	101.7	105.2	102.2	107.2	105.1	104.1
122.8	116.8	111.9	119.3	126.3	118.4	116.2	121.8	132.1	160.8	130.6	133.9	147.1	143.2	142.9	147.0	158.8	148.5
97.9	118.9	118.8	127.1	104.9	124.8	126.2	132.8	104.6	168.7	140.4	157.4	117.2	136.0	107.4	158.6	111.5	145.6
119.8	119.1	128.0	117.9	125.6	123.8	130.3	123.4	123.5	120.3	118.8	115.4	112.7	110.9	111.9	102.7	103.5	105.1
107.0	110.1	112.8	118.0	110.1	112.8	116.1	121.1	114.3	132.2	114.7	118.1	112.6	111.2	112.7	119.0	114.0	115.6
108.3	112.0	111.6	109.6	111.9	116.1	115.6	113.0	118.7	142.4	115.7	117.1	119.4	116.6	123.5	119.7	117.7	115.3
100.3	103.3	112.3	118.1	106.2	107.0	116.1	122.1	108.7	116.7	116.7	122.5	110.8	106.3	107.5	120.9	107.9	112.4
107.5	111.4	108.9	113.2	107.3	111.4	111.7	116.3	108.0	95.1	85.7	81.4	78.9	74.7	68.0	83.1	90.4	93.7
105.2	114.7	115.6	113.5	110.2	118.9	120.0	118.9	110.2	105.1	104.7	98.6	93.1	95.7	97.0	108.0	113.3	115.5
116.9	119.1	118.2	110.0	121.0	121.9	119.6	111.2	125.0	184.5	121.7	118.3	129.6	128.4	130.4	124.0	129.4	130.2
111.6	103.7	108.2	112.3	111.4	108.6	111.4	115.9	119.4	131.6	120.3	125.9	130.6	129.2	128.7	130.0	128.3	125.0
108.7	116.2	111.5	118.1	114.4	121.7	118.1	123.2	117.8	128.7	102.0	99.3	99.3	95.6	91.6	94.1	105.4	110.2
112.4	114.3	117.2	131.3	114.7	117.1	120.7	134.2	121.6	146.0	118.9	130.3	117.2	118.3	125.8	130.4	120.1	119.2
106.2	109.2	111.2	115.1	109.0	111.9	114.2	116.8	111.3	129.3	114.5	116.1	111.7	112.4	113.7	117.6	112.0	113.8

16 Produktiviti buruh suku tahunan, indeks produktiviti buruh per pekerja mengikut aktiviti ekonomi (2015=100), ST1 2015 - ST2 2022

Aktiviti ekonomi <i>Economic activity</i>	2015				2016				2017			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
1. Pertanian <i>Agriculture</i>	89.9	94.3	110.3	105.7	96.2	98.4	108.6	103.6	98.5	95.9	113.4	108.5
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>	105.2	108.4	92.9	94.6	105.7	102.1	103.9	112.1	95.8	98.1	94.3	117.5
3. Pembuatan <i>Manufacturing</i>	94.9	100.9	100.8	103.4	99.5	104.1	104.0	107.7	102.7	108.6	109.4	110.9
3.1 Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	83.0	107.5	106.5	103.5	85.7	93.3	98.3	105.7	88.8	104.6	109.3	114.0
3.2 Minuman dan produk tembakau <i>Beverages and tobacco products</i>	80.4	114.9	107.3	98.1	93.9	120.5	114.0	101.9	92.8	124.2	113.8	103.3
3.3 Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	91.8	110.4	100.2	97.7	99.5	119.7	108.1	103.4	104.4	128.6	116.2	109.8
3.4 Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	96.3	101.7	100.5	101.5	106.2	108.9	106.7	109.0	116.7	116.9	112.3	112.7
3.5 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	95.2	97.1	102.9	104.8	97.7	100.8	106.2	107.6	97.7	102.2	109.9	110.8
3.6 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	93.5	110.3	101.2	95.2	95.0	112.7	103.7	97.4	92.5	110.5	104.5	97.9
3.7 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	104.9	94.4	97.4	103.2	112.3	102.6	102.8	109.3	118.6	110.4	109.7	113.2
3.8 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	85.2	105.0	95.7	113.5	90.3	110.5	104.0	121.4	97.4	108.0	109.2	118.4
4. Pembinaan <i>Construction</i>	101.5	93.5	102.3	102.7	104.9	103.6	116.8	110.4	118.3	112.5	122.4	112.0
5. Perkhidmatan <i>Services</i>	95.9	98.8	102.1	103.2	97.9	99.4	103.5	107.0	101.2	104.6	107.3	112.1
5.1 Utiliti <i>Utilities</i>	94.4	102.1	103.0	100.7	101.7	109.2	107.6	103.1	104.0	111.5	112.6	107.6
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	92.8	99.2	103.7	104.3	93.1	93.0	103.6	108.1	94.7	97.9	105.3	111.6
5.3 Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	96.7	100.3	100.8	102.2	98.8	99.8	104.4	108.1	104.6	105.7	108.1	112.4
5.4 Pengangkutan dan penyimpanan <i>Transportation and storage</i>	93.7	98.3	104.1	104.2	95.7	102.1	104.4	103.1	100.9	107.7	109.7	108.7
5.5 Maklumat dan komunikasi <i>Information and communication</i>	95.4	100.3	105.0	99.4	113.7	108.8	106.5	108.9	114.6	113.0	110.5	109.2
5.6 Kewangan dan insurans <i>Finance and insurance</i>	98.7	99.2	99.0	103.1	101.1	98.6	103.1	105.7	101.9	101.7	102.5	108.6
5.7 Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	98.8	97.6	103.3	100.5	103.3	101.5	102.3	104.5	105.2	113.2	101.0	109.2
5.8 Perkhidmatan lain <i>Other services</i>	96.0	97.2	100.0	106.7	97.8	102.4	102.6	111.2	103.1	105.8	111.4	119.5
Produktiviti buruh <i>Labour productivity</i>	96.2	98.6	101.6	103.6	99.3	101.1	104.3	107.5	102.9	105.0	108.6	111.3

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Quarterly labour productivity, index of labour productivity per employment by economic activity (2015=100),
Q1 2015 - Q2 2022

2018				2019				2020 ^e				2021 ^p				2022 ^p	
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
97.4	98.2	112.0	108.1	101.1	100.3	114.2	101.6	92.1	101.5	114.5	100.7	92.9	98.1	111.6	103.6	93.7	96.5
101.2	104.2	94.8	121.3	106.2	105.2	91.1	117.5	104.9	88.1	87.1	107.8	101.1	97.6	86.3	96.5	97.4	95.4
106.1	110.2	111.9	113.6	108.2	112.8	113.7	114.5	107.9	93.3	117.8	118.1	113.8	114.9	113.7	124.4	117.0	119.5
96.0	104.3	108.0	110.7	98.0	106.7	108.3	109.8	93.2	114.4	114.3	99.5	89.8	106.9	109.5	104.2	89.3	104.2
90.8	123.3	112.8	103.2	92.0	125.8	115.6	104.0	89.3	69.5	125.1	114.1	102.7	108.2	73.6	122.4	107.1	135.5
101.8	122.0	115.2	110.1	102.5	123.1	114.2	109.1	101.3	73.7	105.5	109.4	105.8	97.9	95.6	107.1	104.7	98.6
123.3	121.0	118.1	117.0	127.8	126.1	123.1	120.8	128.4	88.5	127.2	127.1	136.1	125.6	111.1	131.1	142.1	132.0
101.5	104.0	112.0	113.3	103.4	105.5	112.8	113.8	105.2	90.9	112.6	113.9	108.2	110.6	122.9	119.2	104.9	106.9
94.7	112.6	108.2	100.6	98.7	117.4	111.7	103.3	98.1	70.6	104.6	100.5	97.1	94.7	89.6	104.1	100.3	100.0
123.7	112.6	112.0	117.6	124.2	114.8	113.4	118.2	124.6	105.4	124.5	127.3	137.9	129.2	129.1	142.2	152.5	142.1
98.4	115.5	116.9	126.5	103.8	122.1	123.8	131.6	102.1	90.3	135.3	153.8	111.8	125.8	93.7	153.9	109.9	141.3
119.2	117.2	126.5	117.9	125.0	121.6	129.3	122.0	118.3	72.3	116.2	112.0	108.5	99.6	94.2	99.5	102.5	102.5
105.9	107.3	111.6	115.4	109.0	110.5	114.6	118.7	109.7	93.2	110.2	113.2	107.0	103.6	103.3	114.4	110.8	111.3
108.4	113.0	114.1	109.5	113.4	117.4	118.0	113.1	117.1	106.3	115.3	113.7	116.6	111.4	111.9	119.2	119.3	112.5
100.0	101.5	111.0	117.1	103.9	104.9	114.7	120.8	103.7	80.7	111.1	117.8	103.7	96.3	96.5	114.2	102.8	106.5
106.7	106.0	108.7	113.0	107.8	107.9	110.6	115.5	102.8	65.2	79.5	76.7	74.0	68.6	63.8	80.4	88.5	88.8
105.4	111.9	114.6	114.1	109.4	116.8	119.5	118.8	104.8	65.2	100.8	93.3	88.7	89.5	89.3	104.8	111.1	112.1
119.9	119.5	117.7	110.0	122.0	119.8	118.2	111.2	124.6	121.6	120.2	117.3	126.8	125.0	126.3	123.0	129.0	127.3
108.8	102.4	106.6	111.7	110.9	106.1	109.7	115.6	114.9	100.1	115.6	122.9	127.2	124.5	121.9	127.7	126.8	123.3
107.6	113.6	109.8	114.8	112.2	118.7	114.9	120.5	113.4	87.9	96.1	94.5	93.7	88.3	82.2	89.1	101.9	104.7
109.3	110.4	114.6	122.5	113.1	114.7	118.1	127.1	116.4	109.4	117.4	124.6	112.7	112.8	115.2	125.9	117.3	116.8
105.9	107.4	110.6	113.9	108.5	110.4	113.3	115.5	107.6	92.7	110.9	112.4	107.1	105.1	104.7	114.4	110.0	110.9

Indeks jam bekerja tahunan mengikut aktiviti ekonomi (2015=100), 2015 - 2021
Annual hours worked index by economic activity (2015=100), 2015 - 2021

	Aktiviti ekonomi <i>Economic activity</i>	2015	2016	2017	2018	2019	2020 ^e	2021 ^p
1.	Pertanian <i>Agriculture</i>	100.0	96.6	100.6	100.0	101.7	97.6	102.1
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	100.0	100.0	102.9	97.4	97.1	88.0	91.7
3.	Pembuatan <i>Manufacturing</i>	100.0	100.8	103.1	104.8	106.2	96.6	102.7
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	100.0	107.3	110.4	111.3	116.7	110.7	118.6
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	100.0	99.0	103.7	109.2	112.6	95.9	93.2
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	100.0	104.6	105.1	112.2	117.0	114.3	118.4
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	100.0	97.1	95.0	96.3	95.4	81.4	82.9
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	100.0	100.7	104.1	105.7	104.7	98.5	105.9
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	100.0	101.5	108.7	108.8	110.3	99.2	104.0
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	100.0	100.8	102.8	104.4	105.2	94.7	102.8
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	100.0	90.9	92.4	93.6	94.1	78.9	85.5
4.	Pembinaan <i>Construction</i>	100.0	98.2	98.2	98.6	95.4	81.1	83.8
5.	Perkhidmatan <i>Services</i>	100.0	103.4	105.3	107.2	110.8	101.4	107.8
5.1	Utiliti <i>Utilities</i>	100.0	103.6	101.4	103.2	105.9	97.7	102.3
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	100.0	106.5	111.3	113.8	116.8	106.8	113.0
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	100.0	102.6	106.6	113.9	123.1	108.9	117.7
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	100.0	104.8	104.4	106.4	109.0	95.7	102.9
5.5	Maklumat dan komunikasi <i>Information and communication</i>	100.0	99.2	106.9	109.5	114.3	107.9	118.9
5.6	Kewangan dan insurans <i>Finance and insurance</i>	100.0	99.7	102.3	104.0	106.1	98.6	103.7
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	100.0	104.0	106.9	109.1	112.0	102.6	106.2
5.8	Perkhidmatan lain <i>Other services</i>	100.0	101.1	99.3	97.4	99.1	93.1	99.4
	Jumlah jam bekerja <i>Total hours worked</i>	100.0	101.5	103.6	104.9	107.1	97.7	103.5

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Indeks pekerja tahunan mengikut aktiviti ekonomi (2015=100), 2015 - 2021
Annual employment index by economic activity (2015=100), 2015 - 2021

	Aktiviti ekonomi <i>Economic activity</i>	2015	2016	2017	2018	2019	2020 ^e	2021 ^p
1.	Pertanian <i>Agriculture</i>	100.0	94.6	98.0	98.3	99.8	99.4	99.9
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	100.0	96.5	101.9	95.8	95.4	93.3	94.8
3.	Pembuatan <i>Manufacturing</i>	100.0	100.5	102.6	105.2	107.3	107.3	110.1
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	100.0	106.1	108.5	111.8	114.6	116.9	122.4
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	100.0	99.1	104.3	108.0	110.6	102.0	100.1
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	100.0	99.4	100.7	107.3	113.2	112.7	117.1
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	100.0	98.0	96.4	96.5	98.0	95.5	95.6
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	100.0	101.2	103.2	104.8	106.7	108.8	112.7
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	100.0	102.0	107.9	110.3	110.8	111.0	112.2
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	100.0	100.8	102.3	105.6	107.9	108.0	110.8
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	100.0	91.0	94.1	94.7	95.6	91.0	91.9
4.	Pembinaan <i>Construction</i>	100.0	98.7	98.7	99.5	96.4	92.2	91.3
5.	Perkhidmatan <i>Services</i>	100.0	103.7	105.7	109.1	112.5	113.1	114.7
5.1	Utiliti <i>Utilities</i>	100.0	100.0	99.6	102.4	104.7	105.5	106.7
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	100.0	107.0	111.4	114.9	118.7	120.0	122.7
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	100.0	104.3	107.0	115.6	124.5	124.0	125.1
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	100.0	104.4	105.2	107.1	109.8	109.7	108.9
5.5	Maklumat dan komunikasi <i>Information and communication</i>	100.0	98.8	105.0	108.9	114.9	118.5	121.6
5.6	Kewangan dan insurans <i>Finance and insurance</i>	100.0	100.5	103.7	105.6	107.4	107.8	107.3
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	100.0	103.9	107.4	111.2	114.7	115.8	114.4
5.8	Perkhidmatan lain <i>Other services</i>	100.0	101.3	100.2	101.2	101.9	102.0	104.7
	Jumlah pekerja <i>Total employment</i>	100.0	101.3	103.3	105.8	108.1	107.9	109.3

Aktiviti ekonomi <i>Economic activity</i>	2015				2016				2017			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
1. Pertanian <i>Agriculture</i>	98.5	103.9	101.3	96.4	91.4	94.5	102.8	97.8	95.2	104.0	103.2	99.9
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>	98.0	94.1	94.5	113.4	103.2	105.2	94.2	97.2	112.1	102.0	106.0	91.4
3. Pembuatan <i>Manufacturing</i>	99.7	100.3	99.1	100.9	98.3	100.7	100.6	103.4	104.3	101.3	102.8	104.2
3.1 Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	100.5	100.9	98.1	100.4	103.6	105.3	108.9	111.5	115.3	107.1	112.5	106.4
3.2 Minuman dan produk tembakau <i>Beverages and tobacco products</i>	107.7	97.4	93.2	101.8	91.1	101.6	99.2	104.3	103.2	101.2	106.1	104.3
3.3 Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	97.3	100.9	101.1	100.7	101.6	107.4	103.1	106.5	105.2	106.9	102.5	105.7
3.4 Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	99.7	99.1	100.1	101.1	94.8	97.7	97.0	99.0	98.4	91.9	94.8	94.9
3.5 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	100.6	100.2	97.8	101.3	99.2	100.6	100.5	102.4	102.4	102.2	102.7	109.1
3.6 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	100.0	100.3	98.4	101.4	97.9	100.9	104.6	102.6	110.1	107.4	109.1	107.9
3.7 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	99.4	100.3	99.9	100.4	99.7	102.0	98.6	103.1	103.7	100.8	102.4	104.2
3.8 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	98.5	100.9	99.4	101.2	88.3	87.9	89.6	97.9	89.9	91.3	90.0	98.4
4. Pembinaan <i>Construction</i>	96.5	100.5	101.2	101.9	101.3	97.6	94.1	99.9	95.4	97.1	97.1	103.4
5. Perkhidmatan <i>Services</i>	100.4	99.5	98.2	101.9	103.1	104.4	102.1	103.8	106.3	104.2	106.3	104.6
5.1 Utiliti <i>Utilities</i>	102.9	98.3	96.4	102.4	105.7	99.4	103.4	106.0	104.6	98.5	99.3	103.3
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	101.4	96.9	97.8	103.9	106.0	109.6	104.0	106.6	111.4	112.4	110.7	110.5
5.3 Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	99.7	98.3	97.4	104.6	103.5	101.7	99.5	105.6	107.1	102.7	106.6	110.1
5.4 Pengangkutan dan penyimpanan <i>Transportation and storage</i>	102.9	99.4	96.8	100.9	108.1	101.5	101.5	108.3	107.8	100.7	102.4	106.9
5.5 Maklumat dan komunikasi <i>Information and communication</i>	100.5	100.3	97.5	101.6	92.2	100.5	104.0	99.9	99.0	107.3	111.7	109.5
5.6 Kewangan dan insurans <i>Finance and insurance</i>	101.4	97.6	99.3	101.8	97.1	101.3	99.6	100.9	100.5	101.4	104.2	103.3
5.7 Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	98.8	102.0	95.2	104.0	99.9	106.7	103.5	105.9	104.3	99.7	114.2	109.6
5.8 Perkhidmatan lain <i>Other services</i>	99.8	101.6	100.5	98.1	102.1	101.8	101.5	99.1	103.3	100.4	99.7	93.6
Produktiviti buruh <i>Labour productivity</i>	99.6	100.2	99.0	101.1	100.7	101.8	101.0	102.5	103.4	102.8	104.3	103.8

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Quarterly hours worked index by economic activity (2015=100), Q1 2015 - Q2 2022

2018				2019				2020 ^e				2021 ^p				2022 ^p	
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
99.9	99.0	100.6	100.5	102.6	101.0	102.6	100.7	100.8	87.8	101.5	100.5	101.6	102.4	103.0	101.6	102.0	103.6
100.9	94.0	102.4	92.3	99.6	97.3	101.4	90.2	94.0	72.9	98.9	86.2	91.7	89.3	91.7	94.2	95.2	93.6
104.8	103.5	105.1	105.9	105.5	105.4	105.9	107.9	104.7	74.7	102.2	104.8	103.3	98.8	99.2	109.3	110.3	110.0
108.6	109.5	115.0	112.0	115.6	116.3	117.8	117.0	116.8	93.5	114.2	118.4	115.2	115.7	116.7	126.6	129.6	128.1
106.7	109.7	112.4	108.1	114.0	114.1	112.0	110.3	111.5	79.0	98.2	95.1	95.2	88.0	93.8	95.8	101.0	93.9
118.3	115.0	105.4	110.1	118.1	115.2	113.1	121.6	123.5	100.2	113.1	120.5	121.2	113.2	114.2	125.1	132.0	130.4
98.0	98.0	95.1	94.1	94.1	96.7	95.6	95.1	92.8	55.9	88.7	88.0	86.1	76.7	77.6	91.1	91.4	91.5
105.6	102.9	105.4	108.8	103.0	104.2	104.2	107.4	102.6	83.4	103.2	105.0	105.6	104.5	104.6	108.8	110.2	109.5
108.4	108.4	109.4	109.1	111.2	108.6	109.8	111.4	108.6	74.4	104.7	108.9	108.5	98.5	97.5	111.3	110.6	109.8
103.8	101.5	106.7	105.8	104.6	104.1	105.9	106.1	102.0	69.9	102.8	104.0	101.3	99.2	100.6	110.3	108.2	110.4
92.5	90.2	91.8	100.0	92.2	91.9	92.2	100.2	91.1	47.1	87.0	90.4	87.8	82.7	80.2	91.5	94.4	92.6
100.1	96.9	97.1	100.4	96.0	94.3	94.1	97.3	89.9	54.1	90.5	89.8	88.2	82.2	76.3	88.5	90.2	88.9
106.5	106.2	108.5	107.6	110.1	110.1	111.5	111.4	109.4	78.7	108.5	108.9	108.5	106.2	105.0	111.6	114.2	114.3
101.5	101.7	104.2	105.4	105.1	104.4	106.2	107.8	104.1	77.8	104.3	104.6	104.5	101.3	96.1	107.3	109.6	106.8
112.6	114.3	114.8	113.3	114.1	117.9	118.5	116.8	113.9	83.1	115.1	115.1	113.2	110.1	110.6	118.2	120.9	122.1
110.7	109.6	115.5	120.0	121.3	119.7	123.1	128.3	122.4	82.6	112.6	118.1	116.6	114.4	117.7	122.2	126.4	123.4
109.4	101.9	103.8	110.6	111.4	105.3	106.7	112.8	109.3	66.0	102.5	105.2	107.9	99.5	97.0	107.4	111.5	112.0
104.9	107.5	110.2	115.4	108.6	111.5	115.4	121.7	112.2	77.2	119.4	122.6	115.0	117.4	118.4	125.0	122.5	122.5
100.5	106.1	105.1	104.5	105.2	106.2	106.4	106.7	103.2	82.6	104.3	104.4	104.8	103.5	101.6	104.9	105.6	105.5
110.1	106.4	110.5	109.5	112.5	109.6	112.5	113.5	113.1	77.4	109.3	110.6	108.3	105.5	102.0	108.9	111.7	111.4
97.8	98.1	99.5	94.2	100.2	99.6	100.3	96.2	97.8	75.4	101.1	98.1	100.3	99.5	95.9	101.9	103.9	105.0
104.7	103.8	105.6	105.6	106.8	106.3	107.5	107.8	105.3	76.3	104.5	104.9	104.4	101.7	100.5	107.3	109.3	109.3

Aktiviti ekonomi <i>Economic activity</i>	2015				2016				2017			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
1. Pertanian <i>Agriculture</i>	99.0	104.4	102.9	93.8	90.4	94.3	99.7	94.0	94.2	101.1	98.6	98.3
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>	99.1	92.1	101.4	107.4	97.6	100.0	93.1	95.4	108.8	103.6	104.9	90.2
3. Pembuatan <i>Manufacturing</i>	100.1	99.2	99.6	101.0	99.8	99.8	100.6	101.9	102.5	101.4	102.3	104.2
3.1 Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	101.9	98.7	98.5	100.9	104.7	106.2	106.8	106.9	109.6	106.2	108.4	109.9
3.2 Minuman dan produk tembakau <i>Beverages and tobacco products</i>	102.5	98.9	99.6	98.9	94.7	100.7	100.2	100.6	104.1	103.9	104.5	104.7
3.3 Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	99.5	99.2	100.1	101.2	99.1	98.2	98.9	101.2	101.1	98.1	100.3	103.3
3.4 Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	101.1	99.4	99.2	100.3	97.8	98.1	98.0	98.0	97.2	96.3	95.9	96.2
3.5 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	100.5	99.3	99.6	100.5	100.4	100.8	101.0	102.7	103.5	102.5	102.6	104.3
3.6 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	98.7	98.5	100.7	102.1	101.2	100.8	102.3	103.9	107.8	106.9	108.3	108.6
3.7 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	99.6	99.6	99.8	100.9	99.6	100.1	100.9	102.4	101.5	101.2	102.3	104.3
3.8 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	98.6	100.1	99.3	102.0	91.8	88.5	90.5	93.2	91.0	93.7	92.9	99.0
4. Pembinaan <i>Construction</i>	97.6	99.9	101.2	101.3	102.1	98.2	95.7	99.0	96.7	97.9	96.9	103.2
5. Perkhidmatan <i>Services</i>	100.1	98.7	98.7	102.5	103.2	103.8	103.3	104.4	105.6	104.9	106.2	105.9
5.1 Utiliti <i>Utilities</i>	102.0	98.6	98.7	100.7	101.1	97.1	99.6	102.2	101.2	97.2	97.9	102.2
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	101.6	96.4	98.6	103.5	106.6	109.6	105.5	106.3	111.6	112.2	111.6	110.2
5.3 Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	99.9	97.1	98.6	104.4	104.0	104.4	102.4	106.4	105.4	105.8	106.4	110.3
5.4 Pengangkutan dan penyimpanan <i>Transportation and storage</i>	103.4	99.1	96.5	101.0	107.2	101.3	101.3	107.8	107.9	102.1	102.5	108.2
5.5 Maklumat dan komunikasi <i>Information and communication</i>	101.3	99.5	97.8	101.5	92.0	99.7	103.6	99.8	99.0	104.4	108.8	107.8
5.6 Kewangan dan insurans <i>Finance and insurance</i>	101.7	98.9	99.1	100.3	99.7	101.3	100.0	101.1	102.4	103.3	104.9	104.0
5.7 Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	98.5	102.0	96.1	103.4	100.3	104.7	103.8	106.6	105.7	101.1	113.1	109.9
5.8 Perkhidmatan lain <i>Other services</i>	98.5	100.1	100.3	101.0	101.8	99.7	102.8	101.1	101.4	100.8	100.0	98.4
Produktiviti buruh <i>Labour productivity</i>	99.7	99.7	99.7	101.0	100.7	101.2	101.5	101.9	102.6	103.0	103.5	104.2

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Quarterly employment index by economic activity (2015=100), Q1 2015 - Q2 2022

2018				2019				2020 ^e				2021 ^p				2022 ^p	
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
98.1	97.3	99.2	98.5	100.2	99.3	100.9	99.0	100.4	98.7	100.1	98.6	99.6	100.5	100.7	98.5	98.8	99.8
100.4	96.3	99.3	87.3	95.8	97.7	100.4	87.9	94.2	94.3	98.1	86.5	93.4	94.1	95.8	96.0	95.9	95.7
104.4	104.8	105.1	106.4	106.6	106.8	107.2	108.8	108.3	105.4	106.8	108.6	109.5	108.3	109.8	112.6	113.6	113.7
110.7	111.3	112.2	113.1	114.0	113.7	114.7	115.9	116.0	115.6	116.6	119.3	120.1	121.1	122.3	126.0	126.7	127.5
107.9	108.1	108.7	107.0	111.4	110.6	110.0	110.2	113.1	97.5	98.8	98.3	102.6	97.0	100.4	100.3	104.1	99.8
110.6	107.6	104.1	107.0	114.9	112.8	110.8	114.2	119.9	109.6	109.3	112.2	117.9	115.7	115.0	120.1	124.8	123.1
95.6	96.2	97.0	97.2	97.3	97.4	98.4	98.8	98.1	92.5	95.2	96.3	96.7	91.4	95.8	98.5	98.7	97.1
104.4	104.7	104.6	105.6	105.6	106.5	106.7	107.9	107.9	107.1	109.2	111.0	112.5	112.8	112.6	113.0	115.4	115.5
110.8	110.4	110.1	110.0	110.6	110.5	111.1	111.2	111.1	110.0	110.7	112.3	113.7	109.4	111.2	114.6	115.9	114.3
103.0	105.2	106.6	107.4	106.3	107.4	108.5	109.4	108.2	106.6	107.9	109.4	108.0	109.9	111.3	114.1	112.7	115.4
92.0	92.9	93.3	100.5	93.3	93.9	93.9	101.1	93.3	88.0	90.3	92.5	92.1	89.4	91.8	94.2	95.8	95.4
100.6	98.5	98.2	100.5	96.5	95.9	94.8	98.4	93.9	89.9	92.5	92.5	91.7	91.6	90.6	91.4	91.1	91.1
107.5	109.0	109.7	110.1	111.2	112.3	113.0	113.6	114.1	111.6	113.0	113.7	114.2	114.0	114.5	116.1	117.5	118.7
101.4	100.7	101.9	105.5	103.7	103.2	104.0	107.7	105.5	104.2	104.7	107.7	107.0	106.0	106.1	107.7	108.1	109.4
113.0	116.4	116.2	114.3	116.7	120.3	119.9	118.0	119.4	120.0	121.0	119.7	121.0	121.6	123.2	125.1	126.9	128.8
111.5	115.1	115.7	120.1	120.8	123.5	124.3	129.2	128.6	120.5	121.4	125.4	124.3	124.6	125.3	126.4	129.1	130.3
109.2	104.5	104.7	110.0	112.1	107.1	107.2	112.9	114.9	106.4	106.5	111.1	113.3	106.4	105.4	110.7	113.8	115.3
102.3	107.1	110.7	115.4	107.7	113.4	116.8	121.8	112.6	117.1	120.9	123.6	117.6	120.6	122.2	125.9	122.9	125.3
103.0	107.5	106.6	105.1	105.7	108.7	108.2	107.0	107.3	108.6	108.5	106.9	107.6	107.5	107.3	106.8	106.8	106.9
111.2	108.8	112.2	112.6	114.7	112.4	115.5	116.1	117.5	113.3	116.0	116.2	114.7	114.2	113.7	115.1	115.5	117.3
100.6	101.5	101.8	100.9	101.6	101.7	102.5	101.6	102.1	100.7	102.4	102.6	104.4	104.3	104.6	105.6	106.4	107.1
104.9	105.5	106.2	106.7	107.3	107.8	108.4	109.0	108.9	106.4	107.9	108.4	108.9	108.7	109.2	110.4	111.3	112.2

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NOTA TEKNIKAL

Technical Notes

PENGENALAN

Penerbitan ini membentangkan statistik produktiviti buruh suku tahunan bagi tempoh suku pertama 2018 hingga suku kedua 2022 mengikut jenis aktiviti ekonomi. Statistik ini disusun berdasarkan konsep dan panduan yang digariskan dalam **System of National Accounts 2008, United Nations** dan **The Organisation for Economic Co-operation and Development (OECD) Manual: Measuring Productivity**.

Statistik yang tersedia dalam penerbitan ini adalah nilai dan perubahan peratusan tahunan. Namun, metodologi penyusunan telah ditambah baik dengan komponen baharu iaitu indeks produktiviti buruh per jam bekerja dan indeks produktiviti buruh per pekerja yang diterbitkan kepada umum bermula pada suku pertama 2022. Indeks produktiviti buruh ini menggunakan 2015 sebagai tahun asas.

SKOP DAN LIPUTAN

Produktiviti buruh meliputi lima sektor iaitu Pertanian, Perlombongan & pengkuarian, Pembuatan, Pembinaan dan Perkhidmatan berdasarkan Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Ver.1.0 yang selaras dengan *International Standard Industrial Classification of All Economic Activities (ISIC), Rev. 4* yang diterbitkan oleh United Nations. Pengkelasan subsektor dan aktiviti ekonomi adalah seperti paparan di bawah, dengan sektor Pembuatan dan Perkhidmatan boleh diperincikan kepada lapan subsektor.

Klasifikasi Aktiviti Ekonomi mengikut MSIC 2008 Ver. 1.0

SEKTOR	MSIC	KETERANGAN
Pertanian	A	Pertanian, perhutanan dan perikanan
Perlombongan dan pengkuarian	B	Perlombongan dan pengkuarian
Pembuatan	C	Pembuatan
	10	Minyak & lemak daripada sayuran & haiwan dan prosesan makanan
	11, 12	Minuman dan produk tembakau
	13, 14, 15	Produk tekstil, pakaian dan kulit
	16, 17, 18, 31	Produk kayu, perabot, keluaran kertas dan percetakan
	19, 20, 21, 22	Produk petroleum, kimia, getah dan plastik
	23, 24, 25*	Produk mineral bukan logam, logam asas dan produk logam yang direka *tidak termasuk 252
	26, 27, 28	Produk elektrik, elektronik dan optikal *termasuk 252 & 325
	29, 30, 32*, 33	Peralatan pengangkutan, pembuatan lain dan pembaikan *tidak termasuk 325
Pembinaan	F	Pembinaan
Perkhidmatan	D, E	Utiliti
	G	Perdagangan borong & runcit
	I	Makanan & minuman dan penginapan
	H	Pengangkutan dan penyimpanan
	J	Maklumat dan komunikasi
	K	Kewangan dan insurans
	L, M, N	Hartanah dan perkhidmatan perniagaan
	P, Q, R, S, T	Perkhidmatan lain

KONSEP DAN DEFINISI

Konsep produktiviti buruh merujuk kepada kecekapan dan keberkesanan setiap pekerja untuk menjana nilai ditambah atau output keseluruhan. Produktiviti buruh boleh didefinisikan sebagai nisbah output (barangan dan perkhidmatan) kepada input (pekerja dan jumlah jam bekerja).

Produktiviti boleh diukur dengan pelbagai kaedah mengikut keperluan dan ketersediaan data. Kaedah-kaedah ini boleh diklasifikasikan kepada dua kategori iaitu **produktiviti faktor tunggal** dan **produktiviti pelbagai faktor**. *Malaysia Productivity Blueprint* (MPB) telah menggariskan penggunaan input buruh sebagai indikator produktiviti selari dengan keperluan Rancangan Malaysia Kesebelas. Namun begitu, faktor-faktor lain yang mempengaruhi nilai ditambah seperti aset dan teknologi tidak boleh diukur melalui kaedah ini.

Penggunaan kaedah produktiviti faktor tunggal boleh memberi kesan kepada nilai produktiviti di mana bagi sesetengah industri ianya mungkin tidak merujuk kepada jumlah sebenar pengeluaran bagi seorang pekerja. Pengguna disarankan menggunakan data indeks dan perubahan peratusan bagi tujuan analisis. **Nilai produktiviti buruh dalam penerbitan ini adalah sebagai rujukan sahaja dan sebarang analisis perbandingan perlu dibuat secara berhati-hati.**

Nilai ditambah

Merujuk kepada perbezaan di antara output dan penggunaan perantaraan. Output adalah nilai barangan dan perkhidmatan yang dikeluarkan. Ini termasuk pengeluaran untuk pasaran, pengeluaran untuk kegunaan sendiri dan pengeluaran bukan pasaran (perkhidmatan kerajaan dan NPISHs). Pengeluaran barangan dan perkhidmatan tidak semestinya untuk dijual atau perolehan oleh pertubuhan. Sementara itu, penggunaan perantaraan adalah nilai barangan dan perkhidmatan yang digunakan (sebagai input) dalam proses pengeluaran barangan dan perkhidmatan tidak termasuk gaji dan upah, susut nilai daripada modal dan faedah bersih yang dibayar.

Nilai ditambah barangan dan perkhidmatan dalam aktiviti ekonomi hampir menyamai dengan keuntungan perniagaan, gaji dan upah, susut nilai dan cukai tidak langsung; campur faedah yang dibayar dan tolak faedah yang diterima.

Pekerja

Merujuk kepada semua orang yang bekerja sekurang-kurangnya sejam semasa minggu rujukan untuk mendapatkan upah, keuntungan atau keuntungan keluarga (sebagai majikan, pekerja, bekerja sendiri atau pekerja keluarga tanpa gaji). Mereka juga dianggap bekerja jika:

- Tidak bekerja semasa minggu rujukan disebabkan sakit, kecederaan, tiada upaya, cuaca buruk, bercuti, pertelingkahan buruh dan sebab-sebab sosial atau keagamaan tetapi mempunyai pekerjaan, perusahaan ladang atau perusahaan keluarga lain untuk kembali bekerja.
- Tidak bekerja buat sementara waktu tetapi bergaji dan pasti akan dipanggil bekerja semula.
- Bekerja kurang daripada 30 jam semasa minggu rujukan disebabkan bentuk kerja atau disebabkan kurang kerja dan berkeupayaan serta sanggup menerima tambahan bilangan jam bekerja. Kumpulan ini merupakan guna tenaga tidak penuh.

Bagi seseorang yang mempunyai lebih daripada satu pekerjaan, hanya pekerjaan yang mengambil masa terbanyak semasa tempoh rujukan dianggap sebagai pekerjaan utamanya. Jika masa bekerja bagi tiap-tiap pekerjaan itu sama, maka pekerjaan yang menghasilkan pendapatan tertinggi adalah pekerjaan utamanya. Dalam kes di mana bilangan jam bekerja dan pendapatannya adalah sama bagi setiap pekerjaan, di mana dia telah bekerja paling lama dianggap sebagai pekerjaan utamanya.

Jumlah jam bekerja

Merujuk kepada agregat sebenar jam bekerja dalam tempoh rujukan. Ia adalah hasil darab daripada purata jam bekerja dengan pekerja. Pekerja merujuk kepada keseluruhan pekerja pada akhir tempoh rujukan tidak termasuk mereka yang tidak bekerja pada akhir tempoh rujukan kerana sakit, kecederaan, hilang upaya, cuaca buruk, cuti, pertikaian buruh dan sebab sosial atau agama.

$$THW = AHW \times EmpHW$$

di mana:

THW	jumlah jam bekerja
AHW	purata jam bekerja
EmpHW	pekerja mengikut jam bekerja

Produktiviti buruh per pekerja

Produktiviti buruh per pekerja ditakrifkan sebagai nisbah output (barangan dan perkhidmatan) kepada input (pekerja). Ia menggambarkan jumlah output yang dihasilkan oleh setiap orang yang bekerja sepenuh masa, separuh masa, bekerja sendiri atau pekerja keluarga tanpa gaji yang bekerja sekurang-kurangnya selama satu jam dalam seminggu. Pekerja merujuk kepada keseluruhan pekerja pada akhir tempoh rujukan kecuali mereka yang tidak bekerja pada akhir tempoh rujukan kerana sakit, kecederaan, hilang upaya, cuaca buruk, cuti, pertikaian buruh dan sebab sosial atau agama.

$$LPE = \frac{VA}{Emp}$$

di mana:

LPE	produktiviti buruh per pekerja
VA	nilai ditambah
Emp	pekerja

Produktiviti buruh per jam bekerja

Produktiviti buruh per jam bekerja ditakrifkan sebagai nisbah output (barangan dan perkhidmatan) kepada input (jumlah jam bekerja). Ia menggambarkan jumlah output yang dihasilkan dalam tempoh sejam berdasarkan kategori pekerja yang bekerja sepenuh masa, separuh masa, bekerja sendiri atau pekerja keluarga tanpa gaji yang bekerja sekurang-kurangnya selama satu jam dalam seminggu. Pekerja merujuk kepada keseluruhan pekerja kecuali mereka yang tidak bekerja pada akhir tempoh rujukan kerana sakit, kecederaan, hilang upaya, cuaca buruk, cuti, pertikaian buruh dan sebab sosial atau agama.

$$LPHW = \frac{VA}{THW}$$

di mana:

LPHW	produktiviti buruh per jam bekerja
VA	nilai ditambah
THW	jumlah jam bekerja

Indeks produktiviti buruh

Indeks produktiviti buruh (LPI) adalah petunjuk untuk mengukur kecekapan input yang digunakan bagi menjana output dalam tempoh masa tertentu. LPI ditakrifkan sebagai nisbah indeks output (barangan dan perkhidmatan) kepada indeks input (pekerja atau jumlah jam bekerja). LPI diukur pada tempoh rujukan berbanding tahun asas 2015, (2015=100).

$$LP_i = \frac{O_i}{I_i} \times 100$$

di mana:

LP_i	indeks produktiviti buruh
O_i	indeks output (nilai ditambah)
I_i	indeks input (pekerja atau jumlah jam bekerja)

KAEDAH PENGANGGARAN PRODUKTIVITI BURUH

Penganggaran produktiviti buruh suku tahunan diukur menggunakan kaedah produktiviti faktor tunggal. Anggaran ini dibuat berdasarkan maklumat nilai ditambah per pekerja atau nilai ditambah per jumlah jam bekerja mengikut aktiviti ekonomi. Pengukuran produktiviti buruh per jam bekerja memberikan gambaran yang lebih baik berkenaan perkembangan produktiviti di dalam ekonomi berbanding produktiviti buruh per pekerja kerana elemen perbezaan komposisi pekerja sepenuh masa/separuh masa telah dihapuskan. Maklumat tambahan berkaitan penganggaran produktiviti buruh boleh diperolehi dari www.dosm.gov.my.

Nilai ditambah yang digunakan adalah nilai pada harga malar di mana ia merujuk kepada nilai barangan dan perkhidmatan pada harga asas tahun 2015. Pekerja merujuk kepada bilangan keseluruhan pekerja dalam tempoh rujukan, manakala jumlah jam bekerja ialah agregat sebenar jam bekerja dalam tempoh rujukan.

Kaedah penganggaran data pekerja adalah berdasarkan data banci dan survei yang dijalankan oleh DOSM serta data pentadbiran daripada pelbagai agensi. Anggaran suku tahunan dan tahunan meliputi keseluruhan pekerja mengikut aktiviti ekonomi. Pekerja tahunan adalah purata pekerja suku tahunan bagi tahun tersebut. Anggaran pekerja dikira menggunakan kaedah ekstrapolasi yang merujuk kepada pelbagai sumber data manakala jumlah pekerja merujuk kepada penduduk bekerja yang diterbitkan dalam laporan suku tahunan Survei Tenaga Buruh (STB). Perlu diingatkan bahawa anggaran pekerja mengikut aktiviti ekonomi tidak berdasarkan STB kerana komponen pekerja produktiviti buruh telah mengambil kira penyelarasan sumber data penawaran dan permintaan buruh.

9 SUBSEKTOR KEUTAMAAN

Salah satu strategi nasional untuk memacu pertumbuhan dan perkembangan ekonomi secara berterusan adalah melalui kerjasama industri di Malaysia. Oleh itu, kerajaan telah melancarkan **Malaysia Productivity Blueprint (MPB)** pada Mei 2017 sebagai sebahagian daripada Rancangan Malaysia Kesebelas. Terdapat 9 subsektor keutamaan dalam MPB yang dikenal pasti menunjukkan potensi pertumbuhan yang tinggi untuk negara. 9 subsektor keutamaan mengikut tiga sektor utama ekonomi ialah sektor Perkhidmatan, Pembuatan dan Pertanian.

9 subsektor keutamaan telah dikenal pasti iaitu Agro-makanan; Kimia dan produk kimia; Elektrik dan elektronik; Mesin dan peralatan; Peruncitan dan makanan & minuman; Pelancongan; Teknologi, maklumat dan komunikasi; Perkhidmatan profesional; dan Penjagaan kesihatan swasta. Pemilihan 9 subsektor ini berikutan sumbangan sebanyak 30 peratus kepada Keluaran Dalam Negeri Kasar (KDNK) Malaysia dan 40 peratus kepada jumlah pekerja. Subsektor ini diberi keutamaan berdasarkan kriteria berikut:



9 subsektor keutamaan untuk memacu pelaksanaan inisiatif produktiviti seperti yang digariskan oleh MPB adalah seperti berikut:



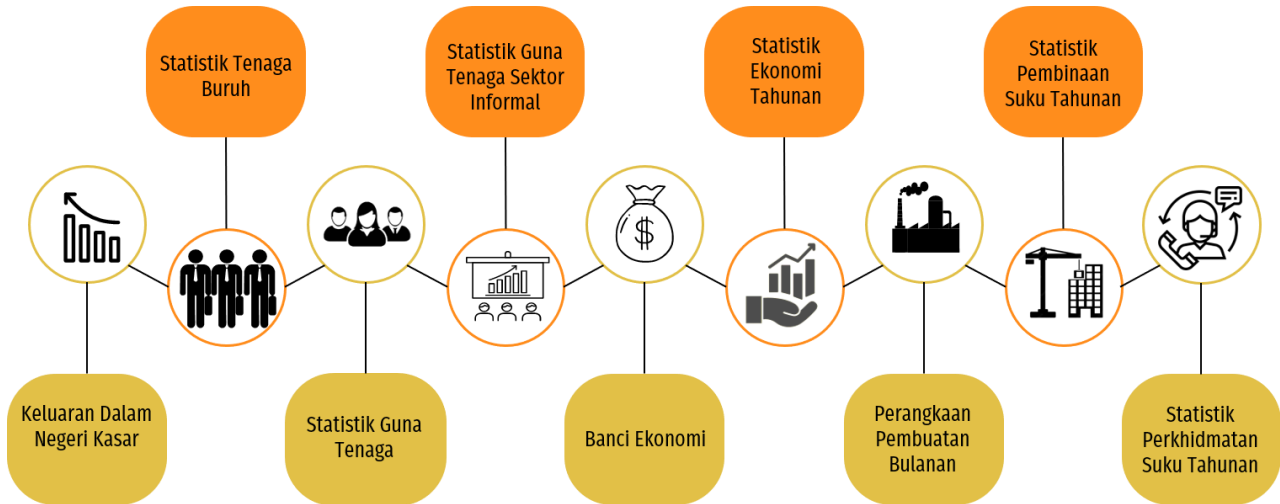
Klasifikasi 9 subsektor keutamaan yang telah ditentukan menggunakan MSIC 2008 Ver. 1.0 adalah seperti yang ditunjukkan di bawah.

Klasifikasi 9 subsektor keutamaan menggunakan MSIC 2008 Ver. 1.0

MSIC	KETERANGAN
AGRO MAKANAN	
011	Penanaman tanaman tidak kekal
012	Penanaman tanaman kekal*
013	Pembiakan tumbuhan
014	Pengeluaran ternakan
015	Pertanian campuran
03	Perikanan dan akuakultur
	* tidak termasuk: 01261, 01262, 01273, 01281, 01291, 01292, 01295
KIMIA DAN PRODUK KIMIA	
20	Pembuatan kimia dan produk kimia
ELEKTRIK DAN ELEKTRONIK	
26	Pembuatan produk komputer, elektronik dan optikal
27	Pembuatan kelengkapan elektrik
JENTERA DAN PERALATAN	
28	Pembuatan jentera dan peralatan t.t.t.l.
PERUNCITAN, MAKANAN DAN MINUMAN	
47	Perdagangan runcit, kecuali kenderaan bermotor dan motosikal
56	Aktiviti perkhidmatan makanan dan minuman
PELANCONGAN	
55	Penginapan
TEKNOLOGI MAKLUMAT DAN KOMUNIKASI (ICT)	
58	Aktiviti penerbitan
59	Aktiviti penerbitan wayang gambar, penerbitan video dan program televisyen, rakaman bunyi dan penerbitan muzik
60	Aktiviti pemrograman dan penyiaran
61	Telekomunikasi
62	Pengaturcaraan komputer, perundingan dan aktiviti yang berkaitan
63	Aktiviti perkhidmatan maklumat
PENJAGAAN KESIHATAN SWASTA	
69	Aktiviti guaman dan perakaunan
70	Aktiviti ibu pejabat; aktiviti perundingan pengurusan
71	Aktiviti arkitek dan kejuruteraan; ujian teknikal dan analisis
72	Penyelidikan dan pembangunan saintifik
73	Pengiklanan dan penyelidikan pasaran
74	Perkhidmatan profesional, saintifik dan teknikal lain
75	Aktiviti veterinar
PERKHIDMATAN PROFESIONAL	
86	Aktiviti kesihatan kemanusiaan

SUMBER DATA

Sumber data utama penerbitan ini terdiri daripada statistik yang dilaksanakan oleh Jabatan Perangkaan Malaysia:



Data sekunder turut digunakan dalam penganggaran produktiviti buruh iaitu *Employment Statistics in Financial Industry* dari Bank Negara Malaysia, Statistik Penjawat Awam dari Jabatan Perkhidmatan Awam dan Statistik Pekerja Asing dari Kementerian Dalam Negeri.

PEMBUNDARAN

Hasil tambah bagi sesuatu kategori mungkin berbeza dengan jumlah besar tertera di dalam jadual kerana pembundaran secara bebas.

SIMBOL DAN SINGKATAN

&	: dan	ST	: suku tahun	e	: anggaran
%	: peratus	KDNK	: Keluaran Dalam Negeri Kasar	p	: permulaan
RM	: Ringgit Malaysia	NPISHs	: <i>Non-Profit Institutions Serving Households</i>	OECD	: <i>Organisation for Economic Co-operation and Development</i>
		MPB	: <i>Malaysia Productivity Blueprint</i>		

PENERBITAN DAN SEMAKAN STATISTIK

Statistik produktiviti buruh yang dilaporkan dalam penerbitan ini bermula dari suku pertama 2018 hingga suku kedua 2022 disusun berdasarkan anggaran Keluaran Dalam Negeri Kasar, jam bekerja dan pekerja. Statistik pekerja telah diselaraskan berdasarkan data terkini banci dan survei yang dilaksanakan oleh Jabatan. Semakan semula statistik produktiviti buruh adalah tertakluk kepada semakan statistik nilai ditambah, jam bekerja dan pekerja.

INTRODUCTION

This publication presents the quarterly statistics of labour productivity from the first quarter of 2018 to the second quarter of 2022 by economic activity. These statistics are compiled based on the concepts and guidelines outlined in the **System of National Accounts 2008, United Nations** and **The Organisation for Economic Co-operation and Development (OECD) Manual: Measuring Productivity**.

Statistics available in this publication are annual values and percentage changes. However, the compilation methodology has been improved with new components namely the index of labour productivity per hour worked and the index of labour productivity per employment that will be available to the public starting in the first quarter of 2022.

SCOPE AND COVERAGE

Labour productivity involves five sectors namely Agriculture, Mining and quarrying, Manufacturing, Construction and Services based on the Malaysian Standard Industrial Classification (MSIC) 2008 Ver.1.0 in line with the International Standard Industrial Classification of All Economic Activities (ISIC), Rev. 4 published by the United Nations. The classification of sub-sectors and economic activities is as in exhibit below, with the Manufacturing and Services sectors can be detailed into eight sub-sectors.

Classification of Economic Activity according to MSIC 2008 Ver. 1.0

SECTOR	MSIC	DESCRIPTION
Agriculture	A	Agriculture, forestry & fishing
Mining & Quarrying	B	Mining & quarrying
Manufacturing	C	Manufacturing
	10	Vegetable and animal oils & fats and food processing
	11, 12	Beverages and tobacco products
	13, 14, 15	Textiles, wearing apparel and leather products
	16, 17, 18, 31	Wood products, furniture, paper products and printing
	19, 20, 21, 22	Petroleum, chemical, rubber and plastic products
	23, 24, 25*	Non-metallic mineral products, basic metal and fabricated metal *not including 252
	26, 27, 28	Electrical, electronic and optical products *including 252 & 325
	29, 30, 32*, 33	Transport equipment, other manufacturing and repair * not including 325
Construction	F	Construction
Services	D, E	Utilities
	G	Wholesale and retail trade
	I	Food & beverages and accommodation
	H	Transportation and storage
	J	Information and communication
	K	Finance and insurance
	L, M, N	Real estate and business services
	P, Q, R, S, T	Other services

CONCEPT AND DEFINITION

The concept of labour productivity refers to the efficiency and effectiveness of each employee to generate value added or overall output. Labour productivity can be defined as output ratio (goods and services) to input (employment and total hours worked).

*Productivity can be measured by various methods depending on the requirements and availability of data. These methods can be classified into two categories namely **Single Factor Productivity** and **Multifactor Productivity**. Malaysia Productivity Blueprint (MPB) has outlined the use of labour input as a productivity indicator in line with the requirement of the Eleventh Malaysia Plan. Meanwhile, other factors influencing value added such as assets and technology cannot be measured through this method.*

*The use of the Single Factor Productivity method affects the productivity values where for certain industries it may not refer to the actual amount of production for an employee. Users are advised to use index and percentage change data for analysis purposes. **The labour productivity values in this publication are for reference only and any comparative analysis should be made with caution.***

Value added

It refers to the difference between output and intermediate consumption. Output is value of goods and services produced. This includes market production, production for own final use, and non-market production (government services and NPISHs). Production of goods and services are not necessarily for sale or turnover of establishment. Meanwhile, intermediate consumption is the value of goods and services consumed (as input) in the production process of goods and services excluding salaries and wages, depreciation of capital and net interest paid.

Value added good and services by economic activity is approximately equivalent to commercial profit, salaries and wages, depreciation and indirect taxes; plus, interest paid and less interest received.

Employment

All persons who, at any time during the reference week worked at least one hour for pay, profit or family gain (as an employer, employee, own-account worker or unpaid family worker). They are also considered as employed if they:

- *Did not work during the reference week because of illness, injury, disability, bad weather, leave, labour dispute and social or religious reasons but had a job, farm enterprise or other family enterprise to return to.*
- *Were temporary laid-off with pay and would definitely be called back to work.*
- *Were employed less than 30 hours during the reference week because of the nature of their work or due to insufficient work and are able and willing to accept additional hours of work. This group is underemployed.*

For a person having more than one job, only the job at which he worked for the longest number of hours during the reference week is treated as his principal occupation. Should the number of hours worked for each job is the same, then the job with the highest income is the principal occupation. In cases where the number of hours worked and the income earned from each job are the same, the job at which he was working for the longest period of time is considered as the principal occupation.

Total hours worked

Total number of hours worked during the reference period. It is defined as the product of the average hours worked and the number of people in employment. Employment refers to the overall number of employees at the end of the reference period excluding the employees who did not work during the reference period because of illness, injury, disability, bad weather, leave, labour dispute and social/ religious reasons.

$$THW = AHW \times EmpHW$$

whereas:

THW	total hour worked
AHW	average hours worked
EmpHW	employment hours worked

Labour productivity per employment

Labour productivity per employment is measured as the ratio of output (goods and services) to input (employment). It reflects the amount of output produced by each employees in full time, part time, or self-employed or unpaid family worker for at least one hour within a week. Employment refers to the overall number of employees at the end of the reference period excluding the employees who did not work during the reference period because of illness, injury, disability, bad weather, leave, labour dispute and social/ religious reasons.

$$LPE = \frac{VA}{Emp}$$

whereas:

LPE	labour productivity per employment
VA	value added
Emp	employment

Labour productivity per hour worked

Labour productivity per hour worked is defined as the ratio of output (goods and services) to input (total working hours). It reflects the amount of output produced within an hour based on the category of employees either in full time, part time or self-employed or unpaid family worker who worked for at least one hour within a week. Employment refers to the overall number of employees at the end of the reference period excluding the employees who did not work during the reference period because of illness, injury, disability, bad weather, leave, labour dispute and social/ religious reasons.

$$LPHW = \frac{VA}{THW}$$

whereas:

LPHW	labour productivity per hour worked
VA	value added
THW	total hour worked

Labour productivity index

Index of labour productivity (LPI) is an indicator to measure the efficiency of inputs used to generate output in a given period of time. LPI is defined as the ratio of the output index (goods and services) to the input index (employees or total hours worked). LPI measured at the reference period compared to the based year 2015, (2015=100).

$$LP_i = \frac{O_i}{I_i} \times 100$$

whereas:

LP_i	index of labour productivity
O_i	output index (added value)
I_i	input index (employment or total hour worked)

GENERAL APPROACH OF LABOUR PRODUCTIVITY ESTIMATION

Quarterly labour productivity estimation is measured using the Single Factor Productivity method. This estimate is based on information of value added per employment or value added per hour worked by economic activity. Measurement of labour productivity per hour worked provides a better picture of the development of productivity in the economy than labour productivity per employee because the element of difference in the composition of full-time/part-time workers has been eliminated. Additional information regarding labour productivity estimation can be obtained from www.dosm.gov.my.

The value added used at constant prices where it refers to the value of goods and services at 2015 prices. Total employment refers to the overall number of employees in the reference period. Meanwhile, total hours worked are the aggregate number of hours actually worked during the period.

The methodology of estimating employment data are based on censuses and surveys data conducted by DOSM as well as administrative data from various agencies. Quarterly and annual estimation covers the entire employment according to the economic activity. Annual employment is the average quarterly employment for the year. Estimation for employment was calculated by using extrapolation method that refer to the various data sources. Meanwhile, the number of employees refer to the working population published in the quarterly report of the Labour Force Survey (LFS). It should be noted that employment estimates by economic activities is not solely based on LFS as the employment component of labour productivity has taken into account harmonisation of labour supply and demand of data sources .

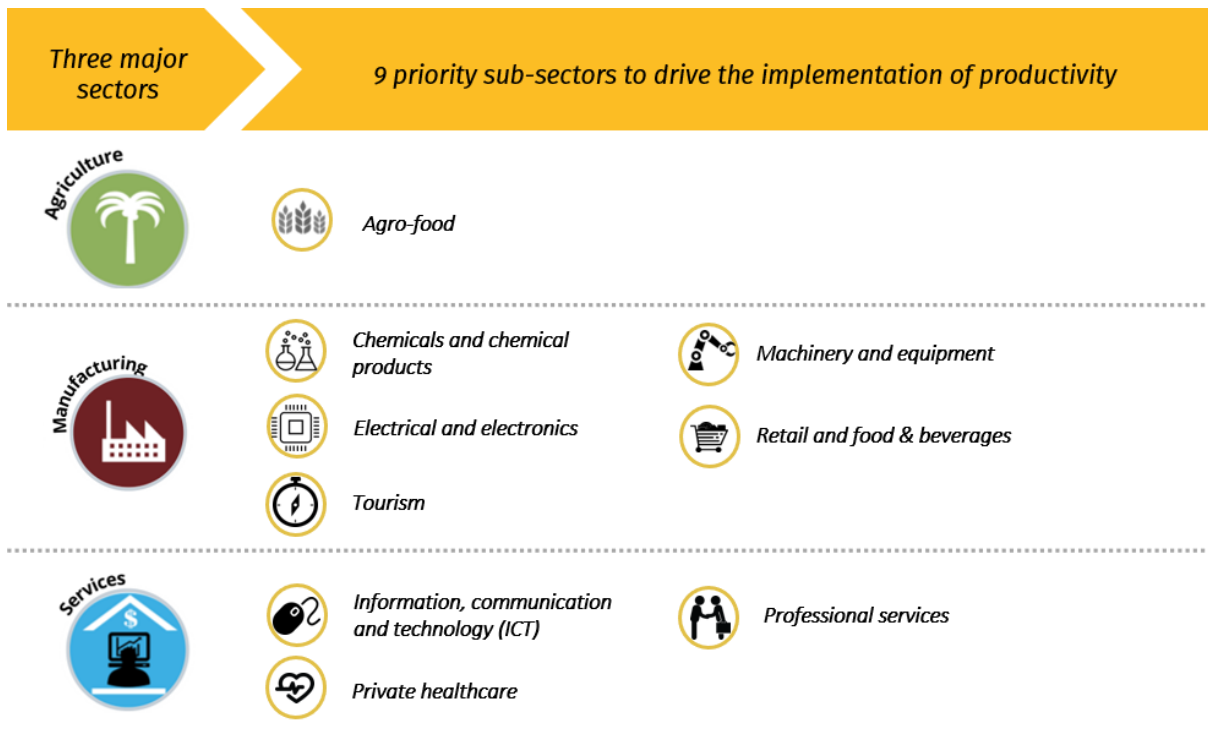
9 PRIORITY SUB-SECTORS

Unlocking greater productivity within industry in Malaysia is one of the national strategies to drive continuous economic growth and expansion. In line with this, the Government launched the Malaysia Productivity Blueprint (MPB) in May 2017 as part of the Eleventh Malaysia Plan. Within the MPB, 9 priority sub-sectors were identified as presenting high potential growth for the country. The 9 priority sub-sectors are under three main economic sectors namely Services, Manufacturing and Agriculture.

9 priority sub-sectors are identified as Agro-food; Chemicals and chemical products; Machinery and equipment; Electrical and electronics (E&E); Retail and food & beverages (F&B); Tourism; Information, communication and technology (ICT); Professional services; and Private healthcare. Combined, the 9 priority sub-sectors selected contribute 30 per cent of Malaysia's Gross Domestic Product (GDP) and 40 per cent of total employment. These sub-sectors are prioritised based on the following criteria:



9 priority sub-sectors to drive the implementation of productivity initiatives as outlined by the MPB are as follows:



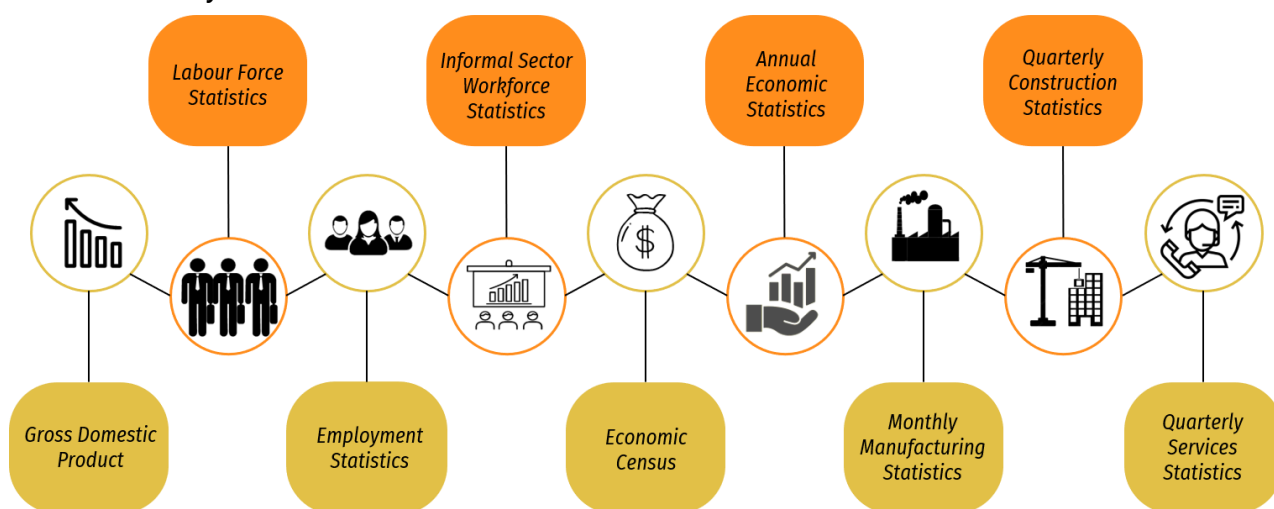
Classification of 9 priority sub-sectors is based on MSIC 2008 Ver. 1.0 as shown in table below.

Classification of 9 priority sub-sectors using MSIC 2008 Ver. 1.0

MSIC	DESCRIPTION
AGRO-FOOD	
011	<i>Growing of non-perennial crops</i>
012	<i>Growing of perennial crops*</i>
013	<i>Plant propagation</i>
014	<i>Animal production</i>
015	<i>Mixed farming</i>
03	<i>Fishing & aquaculture</i>
	<i>* exclude: 01261, 01262, 01273, 01281, 01291, 01292, 01295</i>
CHEMICALS AND CHEMICAL PRODUCTS	
20	<i>Manufacture of chemicals and chemical products</i>
ELECTRICAL AND ELECTRONICS	
26	<i>Manufacture of computer, electronic and optical products</i>
27	<i>Manufacture of electrical equipment</i>
MACHINERY AND EQUIPMENT	
28	<i>Manufacture of machinery and equipment n.e.c.</i>
RETAIL AND FOOD & BEVERAGES	
47	<i>Retail trade, except of motor vehicles and motorcycles</i>
56	<i>Food and beverage service activities</i>
TOURISM	
55	<i>Accommodation</i>
INFORMATION, COMMUNICATION AND TECHNOLOGY (ICT)	
58	<i>Publishing activities</i>
59	<i>Motion picture, video and television programme production, sound recording and music publishing activities</i>
60	<i>Programming and broadcasting activities</i>
61	<i>Telecommunications</i>
62	<i>Computer programming, consultancy and related activities</i>
63	<i>Information service activities</i>
PRIVATE HEALTHCARE	
69	<i>Legal and accounting activities</i>
70	<i>Activities of head offices; management consultancy activities</i>
71	<i>Architectural and engineering activities; technical testing and analysis</i>
72	<i>Scientific research and development</i>
73	<i>Advertising and market research</i>
74	<i>Other professional, scientific and technical activities</i>
75	<i>Veterinary activities</i>
PROFESSIONAL SERVICES	
86	<i>Human health activities</i>

DATA SOURCES

The main data sources of this publication comprise of statistics produced by the Department of Statistics Malaysia:



Secondary data also used in the estimation of labour productivity that are Employment Statistics in Financial Industry from the Central Bank of Malaysia, Statistics of Civil Servant from the Public Service Department Malaysia and Foreign Workers Statistics from the Ministry of Home Affairs.

ROUNDING

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

SYMBOLS AND ABBREVIATIONS

&	: and	ST	: quarter	e	: estimate
%	: percentage	KDNK	: Gross Domestic Product	p	: preliminary
RM	: Ringgit Malaysia	NPISHs	: Non-Profit Institutions Serving Households	OECD	: Organisation for Economic Co-operation and Development
		MPB	: Malaysia Productivity Blueprint		

PUBLICATION AND REVISION OF STATISTICS

Labour productivity statistics from the first quarter 2018 to second quarter 2022 are compiled based on estimates of Gross Domestic Product, hours worked and employment. Statistics on employment has been aligned with the latest available data from the censuses and surveys conducted by the Department. Revision of statistics on labour productivity are subject to any revision on the statistics of value added, hours worked and employment.

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