



**KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA**

PRODUKTIVITI BURUH

LABOUR PRODUCTIVITY

SUKU PERTAMA 2023

FIRST QUARTER 2023

Pemakluman

Jabatan Perangkaan Malaysia (DOSM) akan menjalankan Banci Ekonomi pada tahun 2023. DOSM amat menghargai kerjasama daripada responden untuk memberikan maklumat kepada DOSM serta menjayakan banci ini. Sila layari www.dosm.gov.my untuk maklumat lanjut.

DOSM telah melancarkan OpenDOSM NextGen sebagai platform yang menyediakan katalog data dan visualisasi bagi memudahkan pengguna menganalisis pelbagai jenis data. OpenDOSM NextGen ialah medium perkongsian data sumber terbuka dan boleh diakses melalui portal <https://open.dosm.gov.my>.

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".

Announcement

The Department of Statistics Malaysia (DOSM) will conduct the Economic Census in 2023. DOSM greatly appreciates the cooperation from respondents to provide information with DOSM and make this census a success. Please visit www.dosm.gov.my for more information.

DOSM has launched OpenDOSM NextGen as a platform that provides a catalogue of data and visualisation that facilitates users in analysing various types of data. OpenDOSM NextGen is an open source data sharing medium and accessible through <https://open.dosm.gov.my> portal.

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".

**JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA**

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KATA PENGANTAR

Penerbitan ini memaparkan statistik suku tahunan produktiviti buruh di Malaysia bagi suku pertama 2023. 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 pertama 2019 hingga suku pertama 2023. Anggaran nilai ditambah pada harga malar dinilai pada harga asas 2015 selaras dengan pengelasan 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 dengan jadual indeks produktiviti buruh di bahagian ketiga. Manakala, 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

Mei 2023

PREFACE

This publication presents quarterly labour productivity statistics in Malaysia for first quarter of 2023. The concept of labour productivity used refers to the ratio of 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 2019 to the first quarter of 2023. 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, academicians, 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 the third section. 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

May 2023

Kata Pengantar*Preface***i****Kandungan***Contents***iii****Bahagian 1: Ringkasan Penemuan***Part 1: Summary of Findings***4****Bahagian 2: Jadual***Part 2: Tables*

1a	Produktiviti buruh tahunan, nilai ditambah per jam bekerja mengikut aktiviti ekonomi, 2018 - 2022	17
	<i>Annual labour productivity, value added per hour worked by economic activity, 2018 - 2022</i>	
1b	Produktiviti buruh tahunan, nilai ditambah per jam bekerja mengikut aktiviti ekonomi, 2018 - 2022: Perubahan peratusan tahunan	18
	<i>Annual labour productivity, value added per hour worked by economic activity, 2018 - 2022: Annual percentage change</i>	
2a	Produktiviti buruh tahunan, nilai ditambah per pekerja mengikut aktiviti ekonomi, 2018 - 2022	19
	<i>Annual labour productivity, value added per employment by economic activity, 2018 - 2022</i>	
2b	Produktiviti buruh tahunan, nilai ditambah per pekerja mengikut aktiviti ekonomi, 2018 - 2022: Perubahan peratusan tahunan	20
	<i>Annual labour productivity, value added per employment by economic activity, 2018 - 2022: Annual percentage change</i>	
3a	Produktiviti buruh tahunan, nilai ditambah per jam bekerja mengikut 9 subsektor keutamaan, 2018- 2022	21
	<i>Annual labour productivity, value added per hour worked by 9 priority sub-sectors, 2018 - 2022</i>	
3b	Produktiviti buruh tahunan, nilai ditambah per jam bekerja mengikut 9 subsektor keutamaan, 2018- 2022: Perubahan peratusan tahunan	22
	<i>Annual labour productivity, value added per hour worked by 9 priority sub-sectors, 2018 - 2022: Annual percentage change</i>	

4a	Produktiviti buruh tahunan, nilai ditambah per pekerja mengikut 9 subsektor keutamaan, 2018 - 2022	23
	<i>Annual labour productivity, value added per employment by 9 priority sub-sectors, 2018 - 2022</i>	
4b	Produktiviti buruh tahunan, nilai ditambah per pekerja mengikut 9 subsektor keutamaan, 2018 - 2022: Perubahan peratusan tahunan	24
	<i>Annual labour productivity, value added per employment by 9 priority sub-sectors, 2018 - 2022: Annual percentage change</i>	
5a	Produktiviti buruh suku tahunan, nilai ditambah per jam bekerja mengikut aktiviti ekonomi, ST1 2019 - ST1 2023	25
	<i>Quarterly labour productivity, value added per hour worked by economic activity, Q1 2019 - Q1 2023</i>	
5b	Produktiviti buruh suku tahunan, nilai ditambah per jam bekerja mengikut aktiviti ekonomi, ST1 2019 - ST1 2023: Perubahan peratusan dari suku tahun yang sama tahun sebelumnya	27
	<i>Quarterly labour productivity, value added per hour worked by economic activity, Q1 2019 - Q1 2023: Percentage change from corresponding quarter of preceding year</i>	
6a	Produktiviti buruh suku tahunan, nilai ditambah per pekerja mengikut aktiviti ekonomi, ST1 2019 - ST1 2023	29
	<i>Quarterly labour productivity, value added per employment by economic activity, Q1 2019 - Q1 2023</i>	
6b	Produktiviti buruh suku tahunan, nilai ditambah per pekerja mengikut aktiviti ekonomi, ST1 2019 - ST1 2023: Perubahan peratusan dari suku tahun yang sama tahun sebelumnya	31
	<i>Quarterly labour productivity, value added per employment by economic activity, Q1 2019 - Q1 2023: Percentage change from corresponding quarter of preceding year</i>	
7a	Keluaran Dalam Negeri Kasar (KDNK) tahunan mengikut aktiviti ekonomi pada harga malar 2015, 2018 - 2022	33
	<i>Annual Gross Domestic Product (GDP) by economic activity at constant 2015 prices, 2018 - 2022</i>	
7b	Keluaran Dalam Negeri Kasar (KDNK) tahunan mengikut aktiviti ekonomi pada harga malar 2015, 2018 - 2022: Perubahan peratusan tahunan	34
	<i>Annual Gross Domestic Product (GDP) by economic activity at constant 2015 prices, 2018 - 2022: Annual percentage change</i>	
8a	Keluaran Dalam Negeri Kasar (KDNK) suku tahunan mengikut aktiviti ekonomi pada harga malar 2015, ST1 2019 - ST1 2023	35
	<i>Quarterly Gross Domestic Product (GDP) by economic activity at constant 2015 prices, Q1 2019 - Q1 2023</i>	

8b	Keluaran Dalam Negeri Kasar (KDNK) suku tahunan mengikut aktiviti ekonomi pada harga malar 2015, ST1 2019 - ST1 2023: Perubahan peratusan dari suku tahun yang sama tahun sebelumnya	37
	<i>Quarterly Gross Domestic Product (GDP) by economic activity at constant 2015 prices, Q1 2019 - Q1 2023: Percentage change from corresponding quarter of preceding year</i>	
9a	Jumlah jam bekerja tahunan mengikut aktiviti ekonomi, 2018 - 2022	39
	<i>Annual total hours worked by economic activity, 2018- 2022</i>	
9b	Jumlah jam bekerja tahunan mengikut aktiviti ekonomi, 2018 - 2022: Perubahan peratusan tahunan	40
	<i>Annual total hours worked by economic activity, 2018 - 2022: Annual percentage change</i>	
10a	Jumlah jam bekerja suku tahunan mengikut aktiviti ekonomi, ST1 2019 - ST1 2023	41
	<i>Quarterly total hours worked by economic activity, Q1 2019 - Q1 2023</i>	
10b	Jumlah jam bekerja suku tahunan mengikut aktiviti ekonomi, ST1 2019 - ST1 2023: Perubahan peratusan dari suku tahun yang sama tahun sebelumnya	43
	<i>Quarterly total hours worked by economic activity, Q1 2019 - Q1 2023: Percentage change from corresponding quarter of preceding year</i>	
11a	Pekerja tahunan mengikut aktiviti ekonomi, 2018 - 2022	45
	<i>Annual employment by economic activity, 2018 - 2022</i>	
11b	Pekerja tahunan mengikut aktiviti ekonomi, 2018 - 2022: Perubahan peratusan tahunan	46
	<i>Annual employment by economic activity, 2018 - 2022: Annual percentage change</i>	
12a	Pekerja suku tahunan mengikut aktiviti ekonomi, ST1 2019 - ST1 2023	47
	<i>Quarterly employment by economic activity, Q1 2019 - Q1 2023</i>	
12b	Pekerja suku tahunan mengikut aktiviti ekonomi, ST1 2019 - ST1 2023: Perubahan peratusan dari suku tahun yang sama tahun sebelumnya	49
	<i>Quarterly employment by economic activity, Q1 2019 - Q1 2023: Percentage change from corresponding quarter of preceding year</i>	



Bahagian 3: Indeks

Part 3: Indices

I1	Produktiviti buruh tahunan, indeks produktiviti buruh per jam bekerja mengikut aktiviti ekonomi (2015=100), 2015 - 2022	52
	<i>Annual labour productivity, index of labour productivity per hour worked by economic activity (2015=100), 2015 - 2022</i>	
I2	Produktiviti buruh tahunan, indeks produktiviti buruh per pekerja mengikut aktiviti ekonomi (2015=100), 2015 - 2022	53
	<i>Annual labour productivity, index of labour productivity per employment by economic activity (2015=100), 2015 - 2022</i>	
I3	Produktiviti buruh tahunan, indeks produktiviti buruh per jam bekerja mengikut 9 subsektor keutamaan (2015=100), 2015 - 2022	54
	<i>Annual labour productivity, Index of labour productivity per hour worked by 9 priority sub-sectors (2015=100), 2015 - 2022</i>	
I4	Produktiviti buruh tahunan, indeks produktiviti buruh per pekerja mengikut 9 subsektor keutamaan (2015=100), 2015 - 2022	55
	<i>Annual labour productivity, index of labour productivity per employment by 9 priority sub-sectors (2015=100), 2015 - 2022</i>	
I5	Produktiviti buruh suku tahunan, indeks produktiviti buruh per jam bekerja mengikut aktiviti ekonomi (2015=100), ST1 2015 - ST1 2023	56
	<i>Quarterly labour productivity, index of labour productivity per hour worked by economic activity (2015=100), Q1 2015 - Q1 2023</i>	
I6	Produktiviti buruh suku tahunan, indeks produktiviti buruh per pekerja mengikut aktiviti ekonomi (2015=100), ST1 2015 - ST1 2023	58
	<i>Quarterly labour productivity, index of labour productivity per employment by economic activity (2015=100), Q1 2015 - Q1 2023</i>	
I7	Indeks jam bekerja tahunan mengikut aktiviti ekonomi (2015=100), 2015 - 2022	60
	<i>Annual hours worked index by economic activity (2015=100), 2015 - 2022</i>	
I8	Indeks pekerja tahunan mengikut aktiviti ekonomi (2015=100), 2015 - 2022	61
	<i>Annual employment index by economic activity (2015=100), 2015 - 2022</i>	
I9	Indeks jam bekerja suku tahunan mengikut aktiviti ekonomi (2015=100), ST1 2015 - ST1 2023	62
	<i>Quarterly hours worked index by economic activity (2015=100), Q1 2015 - Q1 2023</i>	
I10	Indeks pekerja suku tahunan mengikut aktiviti ekonomi (2015=100), ST1 2015 - ST1 2023	64
	<i>Quarterly employment index by economic activity (2015=100), Q1 2015 - Q1 2023</i>	

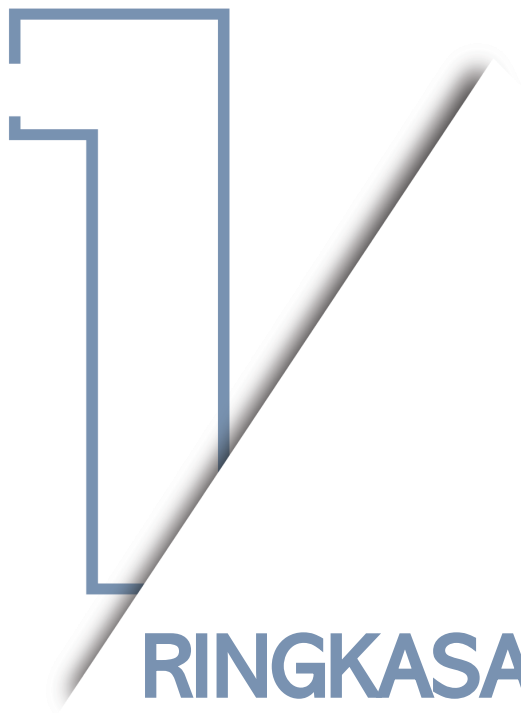


Bahagian 4: Nota Teknikal

Part 4: Technical Notes

67

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RINGKASAN PENEMUAN
Summary of Findings



KEMENTERIAN EKONOMI
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PRODUKTIVITI BURUH SUKU PERTAMA 2023

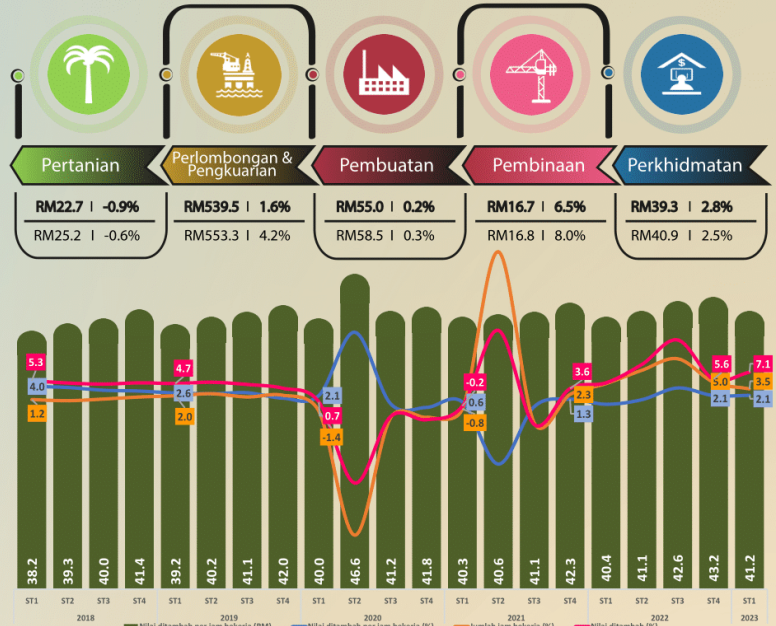
ST1 2023
ST4 2022

Produktiviti per jam bekerja
pada ST1 2023
meningkat 2.1% mencatatkan
nilai ditambah per jam bekerja
sebanyak RM 41.2

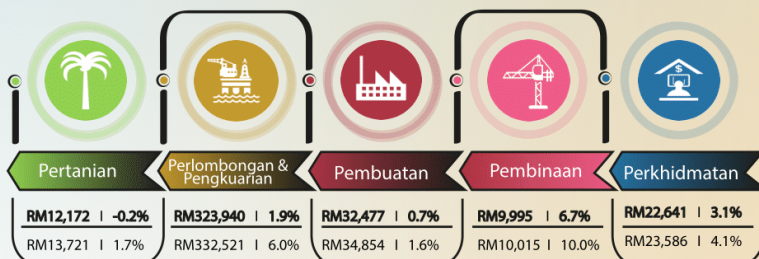
RM41.2 | 2.1%
RM43.2 | 2.1%

9,246 | 3.5%
9,209 | 5.0%

Produktiviti Buruh, Nilai Ditambah Per Jam Bekerja



Produktiviti Buruh, Nilai Ditambah Per Pekerja



Produktiviti per pekerja
pada ST1 2023
meningkat 2.4% merekodkan
nilai ditambah per pekerja
sebanyak RM 23,712

RM23,712 | 2.4%
RM24,966 | 3.7%

16,062 | 3.1%
15,942 | 3.2%

Nota:
1) Produktiviti Buruh Per Pekerja
2) % menunjuk kepada perubahan peratusan tahunan daripada suku yang sama pada tahun sebelumnya

Sumber: Produktiviti Buruh, Suku Pertama 2023, Jabatan Perangkaan Malaysia (DOSM)

LABOUR PRODUCTIVITY OF FIRST QUARTER 2023

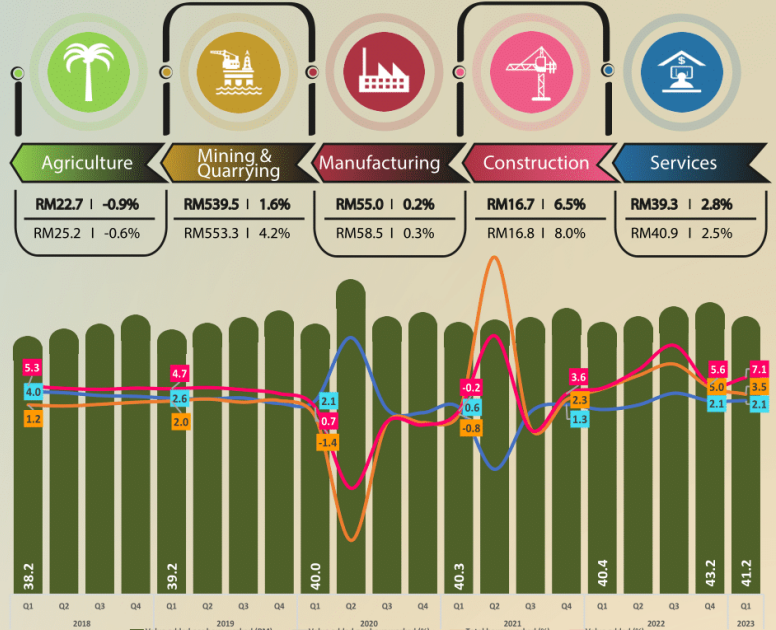
Q1 2023
Q4 2022

Labour productivity
per hour worked in Q1 2023
rose 2.1% to post
value added per hour worked
at RM 41.2

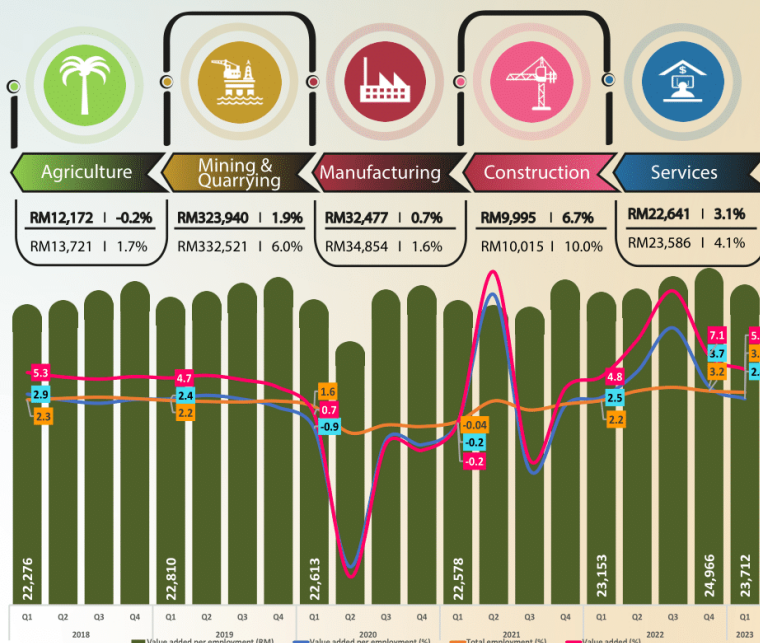
RM41.2 | 2.1%
RM43.2 | 2.1%

9,246 | 3.5%
9,209 | 5.0%

Labour Productivity, Value Added Per Hour Worked



Labour Productivity, Value Added Per Employment



Labour productivity
per employment in Q1 2023
increased 2.4% to record
value added per employment
at RM 23,712

RM23,712 | 2.4%
RM24,966 | 3.7%

16,062 | 3.1%
15,942 | 3.2%

Notes:
1) Labour productivity per employment (RM) 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, First Quarter 2023, Department of Statistics Malaysia (DOSM)

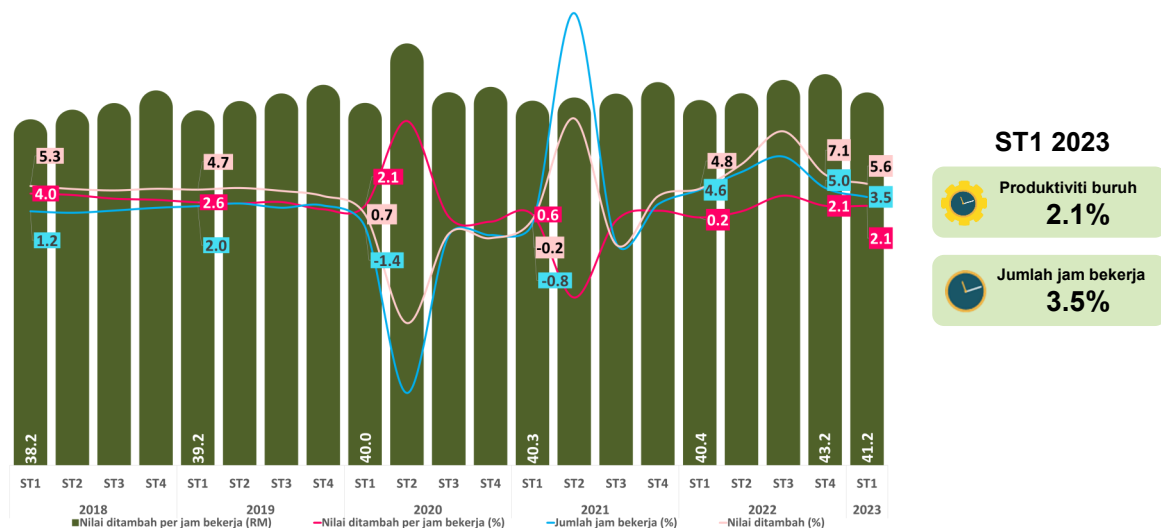
PRESTASI PRODUKTIVITI BURUH SUKU PERTAMA 2023



PRODUKTIVITI BURUH MALAYSIA

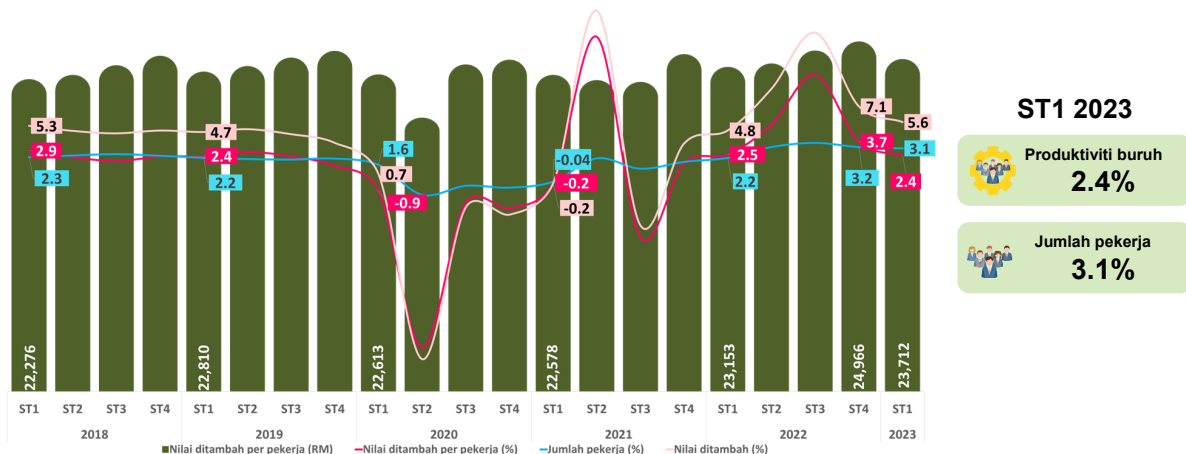
Produktiviti buruh Malaysia yang diukur dari segi nilai ditambah per jam bekerja meningkat 2.1 peratus (ST4 2022: 2.1%), tahun ke tahun, dengan jumlah jam bekerja meningkat 3.5 peratus (ST4 2022: 5.0%) mencatatkan 9.2 bilion (ST4 2022: 9.2 bilion jam) pada suku pertama 2023. Ekonomi Malaysia berkembang 5.6 peratus selepas merekodkan pertumbuhan 7.1 peratus pada suku tahun sebelumnya. **Dari segi nilai, produktiviti buruh mengikut nilai ditambah per jam bekerja adalah RM41.2 (ST4 2022: RM43.2 per jam). [Carta 1]**

Carta 1: Produktiviti buruh per jam bekerja dan jumlah jam bekerja, perubahan peratusan tahunan, ST1 2019 - ST1 2023



Produktiviti buruh mengikut nilai ditambah per pekerja bertumbuh 2.4 peratus (ST4 2022: 3.7%), tahun ke tahun, sementara jumlah pekerja meningkat kepada 16.1 juta orang, atau pertumbuhan 3.1 peratus (ST4 2022: 15.9 juta orang; 3.2%). **Dari segi nilai, produktiviti buruh yang dinyatakan sebagai nilai ditambah per pekerja adalah RM23,712 (ST4 2022: RM24,966 per pekerja). [Carta 2]**

Carta 2: Produktiviti buruh per pekerja dan jumlah pekerja, perubahan peratusan tahunan, ST1 2019 - ST1 2023





PERTANIAN

Produktiviti buruh per jam bekerja bagi sektor Pertanian masih mencatatkan penyusutan iaitu pada negatif 0.9 peratus (ST4 2022: -0.6%), tahun ke tahun. Nilai ditambah bagi sektor ini mencatatkan pertumbuhan 0.9 peratus, manakala bilangan jam bekerja naik 1.8 peratus. **[Paparan 1]**

Pada suku pertama 2023, produktiviti buruh yang diukur mengikut nilai ditambah per pekerja bagi sektor ini turun 0.2 peratus (ST4 2022: 1.7%), sementara pekerja meningkat 1.1 peratus.

Nilai ditambah per jam bekerja bagi sektor ini adalah RM22.7 (ST4 2022: RM25.2 per jam), manakala nilai ditambah per pekerja adalah RM12,172 (ST4 2022: RM13,721 per pekerja).

Paparan 1: Produktiviti buruh sektor Pertanian:
ST1 & ST4 2022, ST1 2023

	ST1'22	ST4'22	ST1'23	YoY(%)		
				ST1'22	ST4'22	ST1'23
 Produktiviti buruh per jam bekerja	RM22.9	RM25.2	RM22.7	-0.3	-0.6	-0.9
 Jumlah jam bekerja (juta jam)	987,085	999,867	1,004,767	0.4	1.7	1.8
 Nilai ditambah (juta)	RM22,610	RM25,240	RM22,816	0.1	1.1	0.9
 Produktiviti buruh per pekerja	RM12,195	RM13,721	RM12,172	0.9	1.7	-0.2
 Jumlah pekerja ('000 orang)	1,854	1,840	1,874	-0.8	-0.5	1.1

Nota:
YoY: Pertumbuhan tahun ke tahun



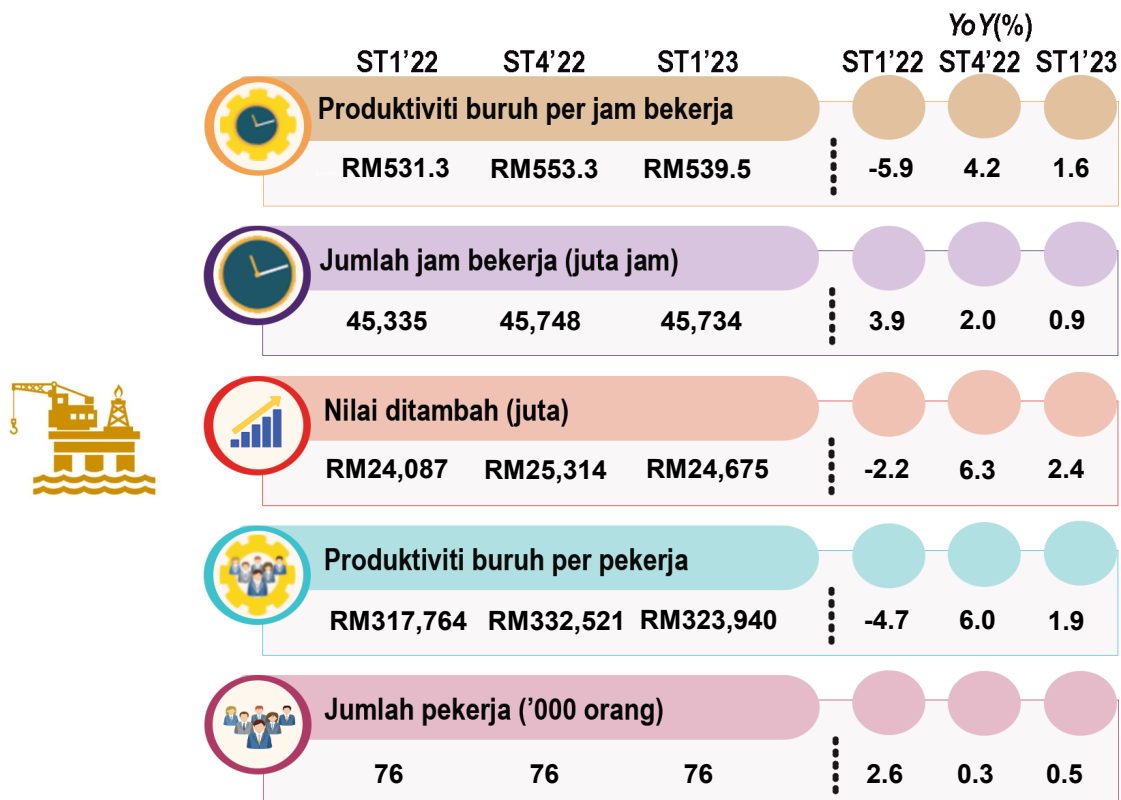
PERLOMBONGAN DAN PENGKUARIAN

Bagi sektor Perlombongan dan pengkuarian, **produktiviti buruh yang diukur sebagai nilai ditambah per jam bekerja meningkat 1.6 peratus** (ST4 2022: 4.2%), tahun ke tahun, sementara nilai ditambah bagi sektor ini berkembang kepada 2.4 peratus dan jam bekerja naik 0.9 peratus. **[Paparan 2]**

Produktiviti buruh mengikut nilai ditambah per pekerja turut merekodkan peningkatan 1.9 peratus (ST4 2022: 6.0%), dengan pertambahan pekerja 0.5 peratus.

Dari segi nilai, **produktiviti buruh yang dinyatakan sebagai nilai ditambah per jam bekerja dan nilai ditambah per pekerja masing-masing adalah RM539.5** (ST4 2022: RM553.3 per jam) dan **RM323,940** (ST4 2022: RM332,521 per pekerja).

Paparan 2: Produktiviti buruh sektor Perlombongan dan pengkuarian:
ST1 & ST4 2022, ST1 2023



Nota:
YoY: Pertumbuhan tahun ke tahun



PEMBUATAN

Pada suku pertama 2023, **produktiviti buruh dari segi nilai ditambah per jam bekerja bagi sektor Pembuatan meningkat marginal 0.2 peratus** (ST4 2022: 0.3%), tahun ke tahun, dengan pertumbuhan nilai ditambah sebanyak 3.2 peratus dan jam bekerja 3.1 peratus. **[Paparan 3]**

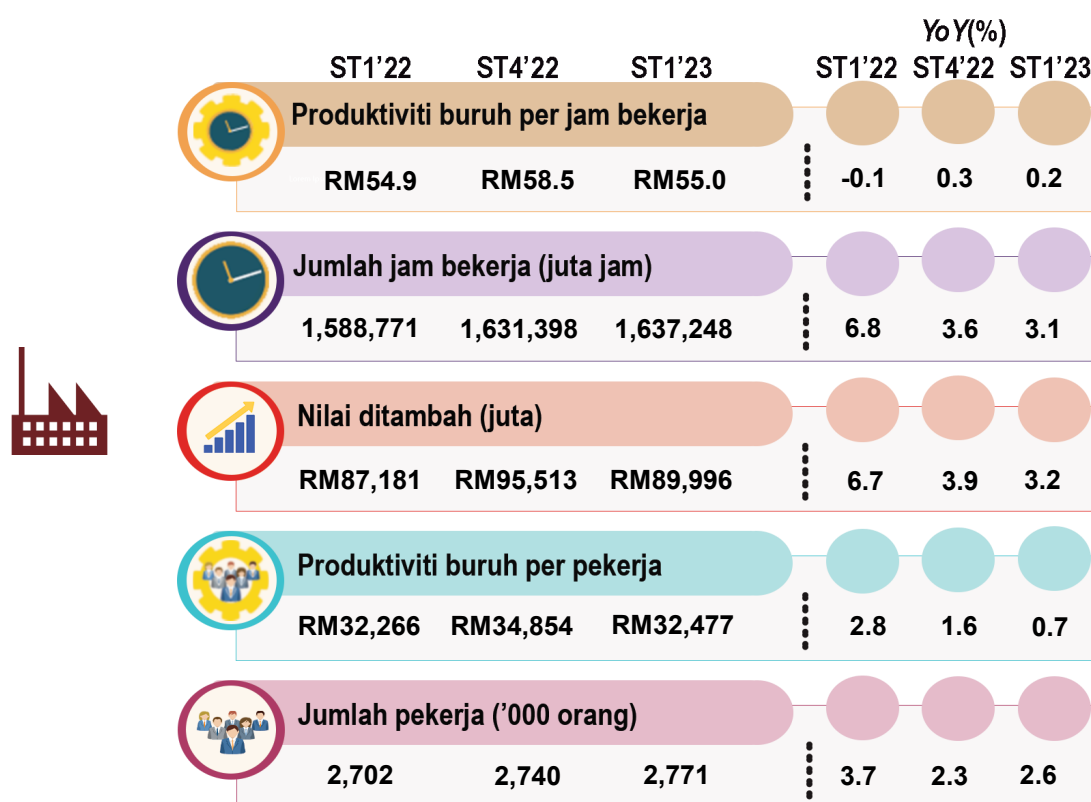
Empat subsektor yang mencatatkan peningkatan bagi produktiviti buruh per jam bekerja adalah Minuman dan produk tembakau (5.6%); Produk tekstil, pakaian dan kulit (4.4%); Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan (2.2%); dan Produk mineral bukan logam, logam asas dan produk logam yang direka (1.9%).

Sementara itu, produktiviti buruh bagi nilai ditambah per pekerja meningkat 0.7 peratus (ST4 2022: 1.6%), manakala pekerja mencatatkan kenaikan 2.6 peratus.

Enam subsektor mencatatkan pertumbuhan positif iaitu Produk tekstil, pakaian dan kulit (7.4%); Minuman dan produk tembakau (3.3%); Produk mineral bukan logam, logam asas dan produk logam yang direka (2.5%); Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan (2.2%); Peralatan pengangkutan, pembuatan lain dan pembaikan (0.7%); dan Produk petroleum, kimia, getah dan plastik (0.6%).

Dari segi nilai, produktiviti buruh yang diukur sebagai nilai ditambah per jam bekerja adalah RM55.0 (ST4 2022: RM58.5 per jam), sementara **nilai ditambah per pekerja adalah RM32,477** (ST4 2022: RM34,854 per pekerja).

Paparan 3: Produktiviti buruh sektor Pembuatan:
ST1 & ST4 2022, ST1 2023



Nota:
YoY: Pertumbuhan tahun ke tahun



PEMBINAAN

Tahun ke tahun, nilai ditambah per jam bekerja bagi sektor Pembinaan meningkat kepada **6.5 peratus** (ST4 2022: 8.0%). Nilai ditambah bagi sektor ini berkembang 7.4 peratus dan jam bekerja naik 0.9 peratus. [Paparan 4]

Sementara itu, **produktiviti buruh yang diukur sebagai nilai ditambah per pekerja terus meningkat 6.7 peratus** (ST4 2022: 10.0%), dengan pertambahan pekerja sebanyak 0.7 peratus.

Nilai ditambah per jam bekerja bagi sektor ini adalah **RM16.7** (ST4 2022: RM16.8 per jam), sementara nilai ditambah per pekerja adalah **RM9,995** (ST4 2022: RM10,015 per pekerja).

Paparan 4: Produktiviti buruh sektor Pembinaan:
ST1 & ST4 2022, ST1 2023

	ST1'22	ST4'22	ST1'23	YoY(%)		
	ST1'22	ST4'22	ST1'23	ST1'22	ST4'22	ST1'23
 Produktiviti buruh per jam bekerja	RM15.7	RM16.8	RM16.7	-8.2	8.0	6.5
 Jumlah jam bekerja (juta jam)	826,794	826,783	834,263	2.3	1.9	0.9
 Nilai ditambah (juta)	RM12,945	RM13,889	RM13,906	-6.1	10.1	7.4
 Produktiviti buruh per pekerja	RM9,368	RM10,015	RM9,995	-5.5	10.0	6.7
 Jumlah pekerja ('000 orang)	1,382	1,387	1,391	-0.6	0.02	0.7

Nota:
YoY: Pertumbuhan tahun ke tahun



PERKHIDMATAN

Pada suku ini, **produktiviti buruh yang dinyatakan sebagai nisbah nilai ditambah per jam bekerja bagi sektor Perkhidmatan meningkat 2.8 peratus** (ST4 2022: 2.5%), tahun ke tahun, sejajar dengan pertumbuhan nilai ditambah pada 7.3 peratus dan jam bekerja naik 4.3 peratus. **[Paparan 5]**

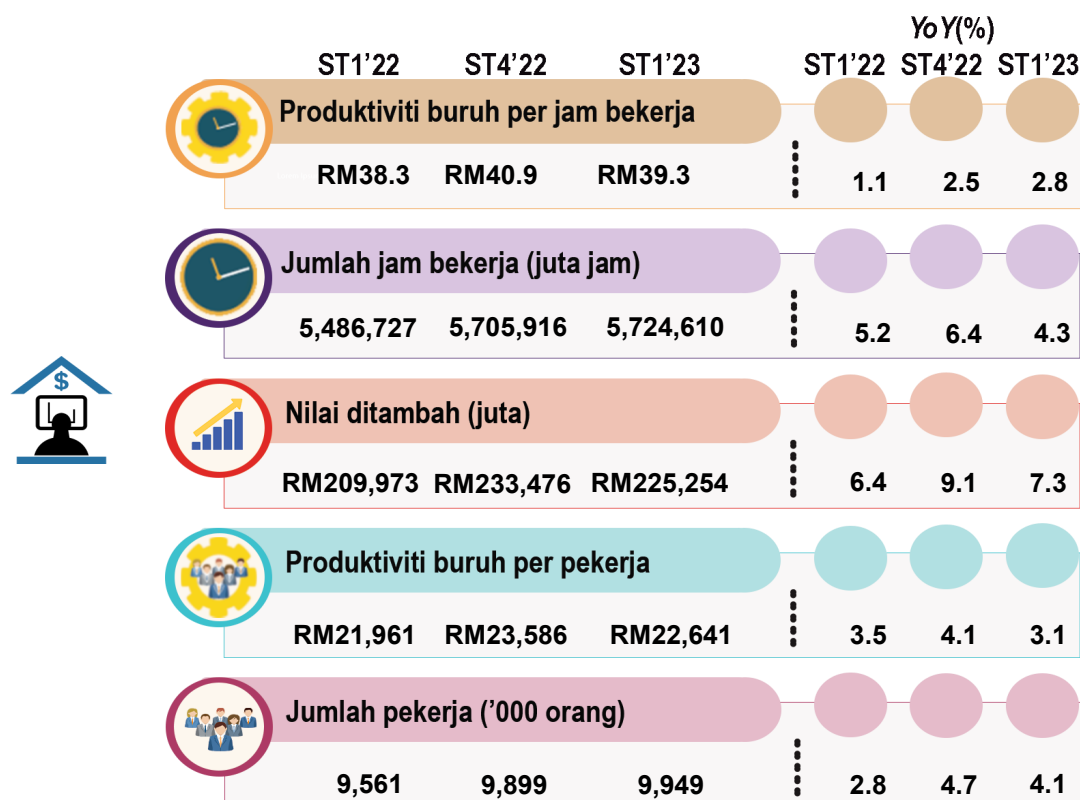
Enam subsektor yang mencatatkan pertumbuhan positif adalah Pengangkutan dan penyimpanan (8.8%); Kewangan dan insurans (6.7%); Makanan & minuman dan penginapan (5.2%); Perdagangan borong dan runcit (4.9%); Hartanah dan perkhidmatan perniagaan (4.9%); dan Perkhidmatan lain (3.0%).

Sementara itu, **produktiviti buruh per pekerja bagi sektor Perkhidmatan naik 3.1 peratus** (ST4 2022: 4.1%), dengan peningkatan pekerja 4.1 peratus.

Lima subsektor yang mencatatkan pertumbuhan positif adalah Pengangkutan dan penyimpanan (8.9%); Hartanah dan perkhidmatan perniagaan (7.1%); Perdagangan borong dan runcit (6.3%); Makanan & minuman dan penginapan (3.9%); dan Perkhidmatan lain (3.4%).

Dari segi nilai, **produktiviti buruh yang diukur sebagai nilai ditambah per jam bekerja pada suku pertama 2023 adalah RM39.3** (ST4 2022: RM40.9 per jam), manakala **nilai ditambah per pekerja adalah RM22,641** (ST4 2022: RM23,586 per pekerja).

Paparan 5: Produktiviti buruh sektor Perkhidmatan:
ST1 & ST4 2022, ST1 2023



Nota:
YoY: Pertumbuhan tahun ke tahun

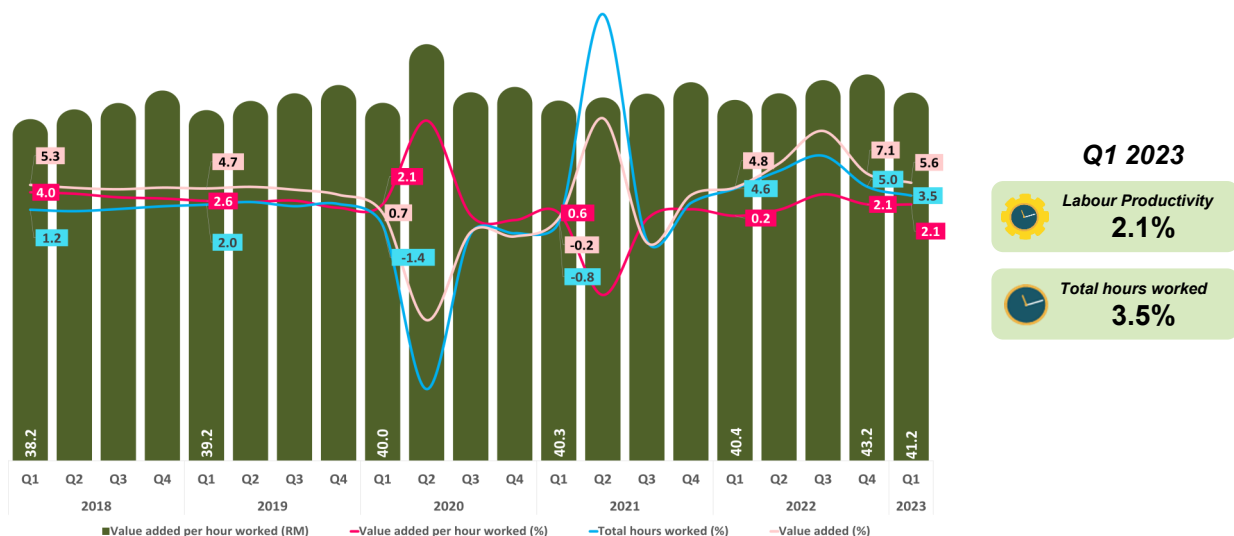
LABOUR PRODUCTIVITY PERFORMANCE OF FIRST QUARTER 2023



MALAYSIA'S LABOUR PRODUCTIVITY

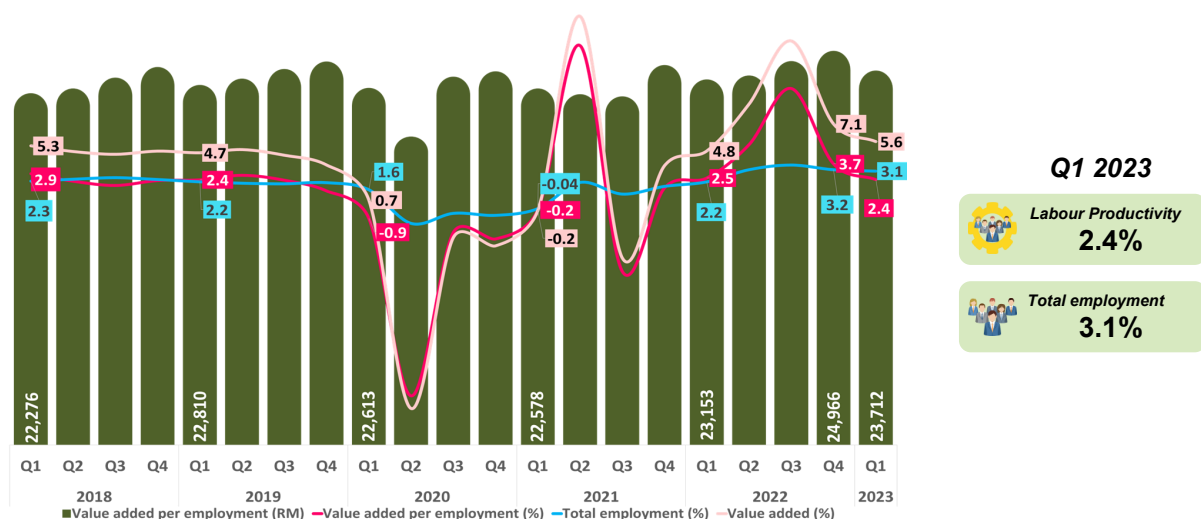
Malaysia's labour productivity measured as value added per hour worked increased 2.1 per cent (Q4 2022: 2.1%), year-on-year, with total hours worked increased 3.5 per cent (Q4 2022: 5.0%) to register 9.2 billion (Q4 2022: 9.2 billion hours) in the first quarter of 2023. Malaysia's economy expanded 5.6 per cent after recorded a growth of 7.1 per cent in the previous quarter. In terms of level, labour productivity by value added per hour worked was RM41.2 (Q4 2022: RM43.2 per hour). [Chart 1]

Chart 1: Labour productivity per hour worked and total hours worked, annual percentage change, Q1 2019 – Q1 2023



Labour productivity by value added per employment grew 2.4 per cent (Q4 2022: 3.7%), year on year, as total employment increased 16.1 million persons, or a growth of 3.1 per cent (Q4 2022: 15.9 million persons; 3.2%). In terms of level, labour productivity as expressed by value added per employment was RM23,712 (Q4 2022: RM24,966 per person). [Chart 2]

Chart 2: Labour productivity per employment and total employment, annual percentage change, Q1 2019 – Q1 2023





AGRICULTURE

Labour productivity per hour worked in Agriculture sector remained sluggish at negative 0.9 per cent (Q4 2022: -0.6%), year-on-year. Value added for this sector posted an increase of 0.9 per cent while hours worked increased 1.8 per cent. **[Exhibit 1]**

In the first quarter of 2023, **labour productivity by value added per employment for this sector decreased 0.2 per cent** (Q4 2022: 1.7%), while employment rose 1.1 per cent.

Value added per hour worked for this sector was RM22.7 (Q4 2022: RM25.2 per hour), while **value added per employment was RM12,172** (Q4 2022: RM13,721 per person).

Exhibit 1: Labour productivity of Agriculture sector:
Q1 & Q4 2022, Q1 2023

	Q1'22	Q4'22	Q1'23	YoY(%)		
				Q1'22	Q4'22	Q1'23
 Labour productivity per hour worked	RM22.9	RM25.2	RM22.7	-0.3	-0.6	-0.9
 Total hours worked (million hours)	987,085	999,867	1,004,767	0.4	1.7	1.8
  Value added (million)	RM22,610	RM25,240	RM22,816	0.1	1.1	0.9
 Labour productivity per employment	RM12,195	RM13,721	RM12,172	0.9	1.7	-0.2
 Total employment ('000 persons)	1,854	1,840	1,874	-0.8	-0.5	1.1

Note:
YoY: Year-on-year growth



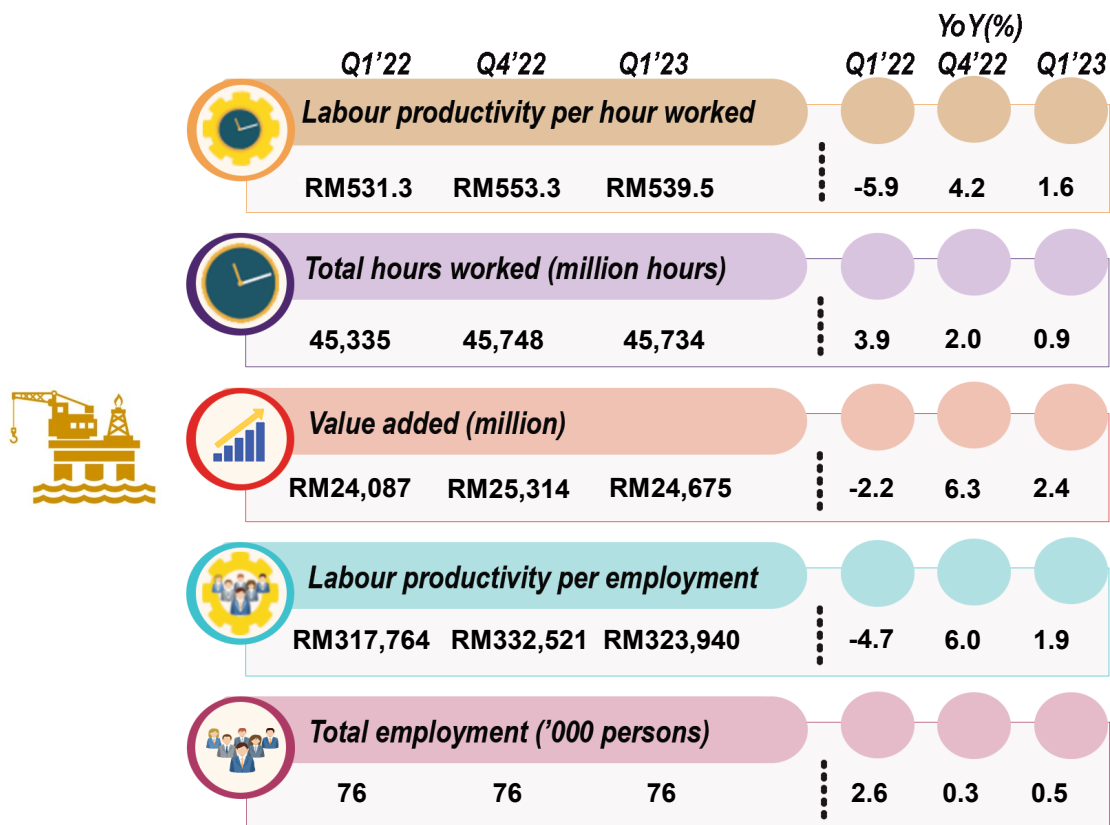
MINING AND QUARRYING

For Mining and quarrying sector, **labour productivity measured as value added per hour worked increased 1.6 per cent** (Q4 2022: 4.2%), year-on-year, as value added for this sector expanded 2.4 per cent and hours worked increased 0.9 per cent. **[Exhibit 2]**

Labour productivity by value added per employment also recorded an increase of 1.9 per cent (Q4 2022: 6.0%) as employment increased at 0.5 per cent.

In terms level, labour productivity expressed as **value added per hour worked** and **value added per employment** were **RM539.5** (Q4 2022: RM553.3 per hour) and **RM323,940** (Q4 2022: RM332,521 per person), respectively.

Exhibit 2: Labour productivity of Mining and quarrying sector,
Q1 & Q4 2022, Q1 2023



Note:
YoY: Year-on-year growth



MANUFACTURING

In the first quarter of 2023, **labour productivity in terms of value added per hour worked for Manufacturing sector improved marginal at 0.2 per cent** (Q4 2022: 0.3%), year-on-year, with growth of value added at 3.2 per cent and hours worked 3.1 per cent. **[Exhibit 3]**

Four subsectors that recorded increases in productivity per hour worked were Beverages and tobacco products (5.6%); Textiles, wearing apparel and leather products (4.4%); Vegetable and animal oils & fats and food processing (2.2%); and Non-metallic mineral products, basic metal and fabricated metal products (1.9%).

Meanwhile, labour productivity by value added per employment rose at 0.7 per cent (Q4 2022: 1.6%), while employment posted an increase of 2.6 per cent.

Six subsectors that recorded positive growths were Textiles, wearing apparel and leather products (7.4%); Beverages and tobacco products (3.3%); Non-metallic mineral products, basic metal and fabricated metal products (2.5%); Vegetable and animal oils & fats and food processing (2.2%); Transport equipment, other manufacturing and repair (0.7%); and Petroleum, chemical, rubber and plastic products (0.6%).

In terms of level, labour productivity as measured by value added per hour worked was RM55.0 (Q4 2022: RM58.5 per hour), while **value added per employment was RM32,477** (Q4 2022: RM34,854 per person).

**Exhibit 3: Labour productivity of Manufacturing sector,
Q1 & Q4 2022, Q1 2023**

	Q1'22	Q4'22	Q1'23		YoY(%)		
					Q1'22	Q4'22	Q1'23
 Labour productivity per hour worked	RM54.9	RM58.5	RM55.0	⋮	-0.1	0.3	0.2
 Total hours worked (million hours)	1,588,771	1,631,398	1,637,248	⋮	6.8	3.6	3.1
 Value added (million)	RM87,181	RM95,513	RM89,996	⋮	6.7	3.9	3.2
 Labour productivity per employment	RM32,266	RM34,854	RM32,477	⋮	2.8	1.6	0.7
 Total employment ('000 persons)	2,702	2,740	2,771	⋮	3.7	2.3	2.6

Note:
YoY: Year-on-year growth



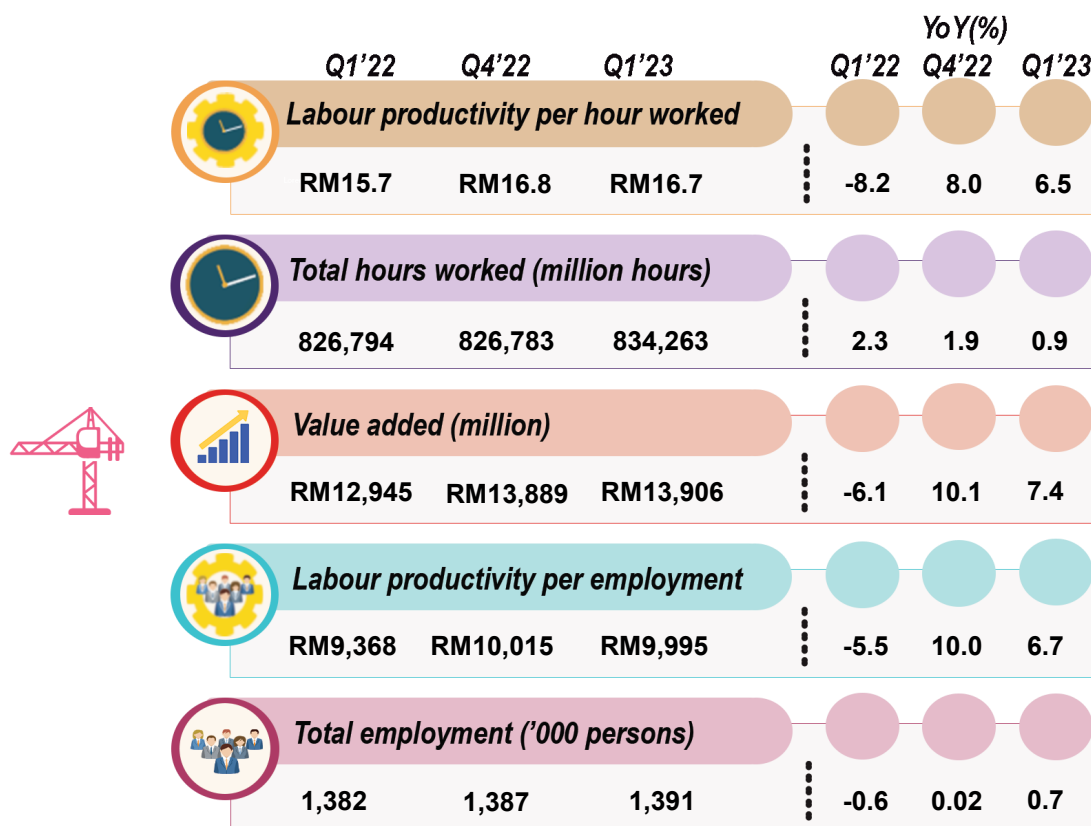
CONSTRUCTION

Year-on-year, value added per hour worked for Construction sector increased to 6.5 per cent (Q4 2022: 8.0%). Value added for this sector expanded by 7.4 per cent and hours worked increased by 0.9 per cent. [Exhibit 4]

Meanwhile, labour productivity as measured by value added per employment continued to increase by 6.7 per cent (Q4 2022: 10.0%), with a rise in employment at 0.7 per cent.

Value added per hour worked for this sector was RM16.7 (Q4 2022: RM16.8 per hour), while value added per employment was RM9,995 (Q4 2022: RM10,015 per person).

Exhibit 4: Labour productivity of Construction sector:
Q1 & Q4 2022, Q1 2023



Note:
YoY: Year-on-year growth



SERVICES

During the quarter, **labour productivity expressed as a ratio of value added per hour worked for Services sector increased 2.8 per cent** (Q4 2022: 2.5%), year-on-year, as value added expanded 7.3 per cent and hours worked increased 4.3 per cent. **[Exhibit 5]**

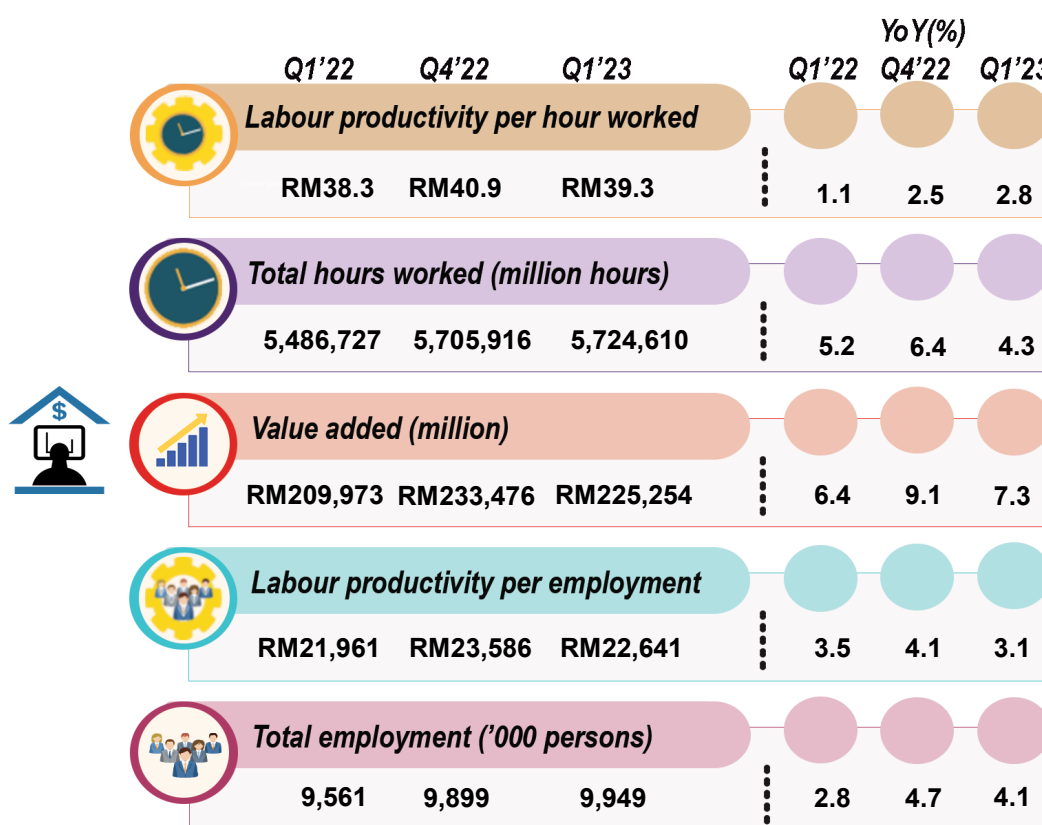
Six sub-sectors that posted a positive growth were Transportation and storage (8.8%); Finance and insurance (6.7%); Food & beverages and accommodation (5.2%); Wholesale and retail trade (4.9%); Real Estate and business services (4.9%); and Other services (3.0%).

Meanwhile, **labour productivity per employment for Services sector rose by 3.1 per cent** (Q4 2022: 4.1%), with an increase in employment of 4.1 per cent.

Five sub-sectors that posted a positive growth were Transportation and storage (8.9%); Real estate and business services (7.1%); Wholesale and retail trade (6.3%); Food & beverages and accommodation (3.9%); dan Other services (3.4%).

In terms of level, labour productivity measured as value added per hour worked in first quarter of 2023 was RM39.3 (Q4 2022: RM40.9 per hour), while **value added per employment was RM22,641** (Q4 2022: RM23,586 per person).

Exhibit 5: Labour productivity of Services sector:
Q1 & Q4 2022, Q1 2023



Note:
YoY: Year-on-year growth

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JADUAL
Tables

1a Produktiviti buruh tahunan, nilai ditambah per jam bekerja mengikut aktiviti ekonomi, 2018 - 2022
 Annual labour productivity, value added per hour worked by economic activity, 2018 - 2022

		(RM)				
	Aktiviti ekonomi Economic activity	2018	2019	2020	2021 ^e	2022 ^p
1.	Pertanian <i>Agriculture</i>	25.7	25.8	26.2	25.0	24.7
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	558.3	556.3	554.4	536.6	530.3
3.	Pembuatan <i>Manufacturing</i>	50.5	51.7	55.2	56.9	56.9
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	30.9	30.4	32.5	31.0	29.5
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	185.6	187.4	184.7	191.3	214.3
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	12.0	12.1	10.8	11.2	10.9
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	26.6	28.3	30.8	32.1	30.8
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	87.3	90.7	95.4	100.4	97.2
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>	40.6	41.7	40.3	40.0	40.4
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	62.0	63.6	72.4	76.4	80.4
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	61.3	64.7	73.1	68.4	70.8
4.	Pembinaan <i>Construction</i>	18.3	19.0	18.0	16.6	16.2
5.	Perkhidmatan <i>Services</i>	37.5	38.5	39.9	38.3	39.6
5.1	Utiliti <i>Utilities</i>	151.7	157.0	168.4	165.4	157.9
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	38.3	39.8	41.0	39.6	41.0
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	12.9	13.1	10.8	9.0	11.1
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	39.0	40.6	36.3	34.2	40.2
5.5	Maklumat dan komunikasi <i>Information and communication</i>	148.5	151.5	170.0	163.5	160.9
5.6	Kewangan dan insurans <i>Finance and insurance</i>	105.3	108.1	119.8	125.5	126.7
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	24.3	25.5	23.8	20.8	23.9
5.8	Perkhidmatan lain <i>Other services</i>	32.5	33.2	35.1	33.8	34.0
Produktiviti buruh <i>Labour productivity</i>		39.7	40.7	42.1	41.1	41.8

1b Produktiviti buruh tahunan, nilai ditambah per jam bekerja mengikut aktiviti ekonomi, 2018 - 2022:
 Perubahan peratusan tahunan
*Annual labour productivity, value added per hour worked by economic activity, 2018 - 2022:
 Annual percentage change*

		(%)				
Aktiviti ekonomi <i>Economic activity</i>		2018	2019	2020	2021 ^e	2022 ^p
1.	Pertanian <i>Agriculture</i>	0.7	0.2	1.7	-4.5	-1.2
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	3.3	-0.4	-0.3	-3.2	-1.2
3.	Pembuatan <i>Manufacturing</i>	3.3	2.5	6.9	3.1	-0.1
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	2.8	-1.5	6.9	-4.7	-4.9
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	-2.6	1.0	-1.5	3.6	12.0
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	-2.3	1.1	-10.9	3.5	-2.2
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	3.3	6.4	8.5	4.4	-4.0
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	2.5	3.8	5.2	5.2	-3.2
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metals and fabricated metal products</i>	4.8	2.8	-3.3	-0.7	0.8
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	4.6	2.5	13.8	5.6	5.2
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	4.9	5.6	13.0	-6.5	3.6
4.	Pembinaan <i>Construction</i>	3.8	3.8	-5.0	-8.2	-2.0
5.	Perkhidmatan <i>Services</i>	5.0	2.7	3.5	-3.9	3.3
5.1	Utiliti <i>Utilities</i>	3.2	3.4	7.3	-1.8	-4.6
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	5.8	4.1	3.0	-3.6	3.7
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	2.0	1.3	-17.1	-17.1	24.0
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	4.3	4.3	-10.6	-5.7	17.5
5.5	Maklumat dan komunikasi <i>Information and communication</i>	5.6	2.0	12.2	-3.8	-1.6
5.6	Kewangan dan insurans <i>Finance and insurance</i>	3.7	2.7	10.8	4.8	1.0
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	5.6	5.1	-6.7	-12.7	15.1
5.8	Perkhidmatan lain <i>Other services</i>	7.1	2.4	5.7	-3.9	0.5
Produktiviti buruh <i>Labour productivity</i>		3.5	2.3	3.6	-2.4	1.8

2a Produktiviti buruh tahunan, nilai ditambah per pekerja mengikut aktiviti ekonomi, 2018 - 2022
Annual labour productivity, value added per employment by economic activity, 2018 - 2022

		(RM)				
	Aktiviti ekonomi <i>Economic activity</i>	2018	2019	2020	2021 ^e	2022 ^p
1.	Pertanian <i>Agriculture</i>	54,040	54,225	53,116	52,840	53,240
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	1,367,042	1,363,562	1,259,637	1,249,966	1,267,278
3.	Pembuatan <i>Manufacturing</i>	121,860	123,881	120,550	128,662	133,902
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	68,713	69,312	68,894	67,149	66,612
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	461,884	469,493	427,487	438,035	503,386
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	24,763	24,763	21,651	22,343	22,784
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	68,046	70,662	67,100	71,279	74,608
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	223,805	226,277	219,726	239,754	235,983
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>	100,423	104,049	90,335	93,040	97,367
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	153,500	155,087	158,781	177,409	193,619
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	150,083	157,859	156,980	157,641	170,414
4.	Pembinaan <i>Construction</i>	43,859	45,421	38,322	36,732	38,658
5.	Perkhidmatan <i>Services</i>	87,050	89,568	84,480	85,089	90,636
5.1	Utiliti <i>Utilities</i>	357,091	370,687	364,038	370,334	370,551
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	92,767	95,968	89,378	89,172	96,119
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	30,006	30,516	22,471	19,941	25,189
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	95,463	99,432	78,090	79,729	97,195
5.5	Maklumat dan komunikasi <i>Information and communication</i>	354,004	356,995	366,574	379,257	383,872
5.6	Kewangan dan insurans <i>Finance and insurance</i>	241,835	249,085	255,361	282,674	284,409
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	58,358	61,056	51,695	47,254	56,269
5.8	Perkhidmatan lain <i>Other services</i>	69,932	72,420	71,869	71,797	74,329
Produktiviti buruh <i>Labour productivity</i>		92,083	94,138	89,179	90,952	95,858

2b Produktiviti buruh tahunan, nilai ditambah per pekerja mengikut aktiviti ekonomi, 2018 - 2022:
 Perubahan peratusan tahunan
Annual labour productivity, value added per employment by economic activity, 2018 - 2022:
Annual percentage change

		(%)				
	Aktiviti ekonomi <i>Economic activity</i>	2018	2019	2020	2021 ^e	2022 ^p
1.	Pertanian <i>Agriculture</i>	-0.1	0.3	-2.0	-0.5	0.8
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	4.0	-0.3	-7.6	-0.8	1.4
3.	Pembuatan <i>Manufacturing</i>	2.4	1.7	-2.7	6.7	4.1
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	0.6	0.9	-0.6	-2.5	-0.8
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	-0.9	1.6	-8.9	2.5	14.9
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	-2.1	0.001	-12.6	3.2	2.0
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	4.5	3.8	-5.0	6.2	4.7
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	2.4	1.1	-2.9	9.1	-1.6
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>	2.6	3.6	-13.2	3.0	4.7
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	3.0	1.0	2.4	11.7	9.1
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	5.7	5.2	-0.6	0.4	8.1
4.	Pembinaan <i>Construction</i>	3.4	3.6	-15.6	-4.1	5.2
5.	Perkhidmatan <i>Services</i>	3.5	2.9	-5.7	0.7	6.5
5.1	Utiliti <i>Utilities</i>	2.2	3.8	-1.8	1.7	0.1
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	4.9	3.5	-6.9	-0.2	7.8
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	0.9	1.7	-26.4	-11.3	26.3
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	4.4	4.2	-21.5	2.1	21.9
5.5	Maklumat dan komunikasi <i>Information and communication</i>	4.4	0.8	2.7	3.5	1.2
5.6	Kewangan dan insurans <i>Finance and insurance</i>	3.5	3.0	2.5	10.7	0.6
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	4.1	4.6	-15.3	-8.6	19.1
5.8	Perkhidmatan lain <i>Other services</i>	3.9	3.6	-0.8	-0.1	3.5
Produktiviti buruh <i>Labour productivity</i>		2.4	2.2	-5.3	2.0	5.4

3a Produktiviti buruh tahunan, nilai ditambah per jam bekerja mengikut 9 subsektor keutamaan, 2018- 2022
Annual labour productivity, value added per hour worked by 9 priority sub-sectors, 2018 - 2022

		(RM)				
Aktiviti ekonomi <i>Economic activity</i>		2018	2019	2020	2021 ^e	2022 ^p
1.	Agromakanan <i>Agro-food</i>	45.3	45.9	48.2	47.7	45.3
2.	Kimia dan produk kimia <i>Chemicals and chemical products</i>	119.0	119.3	121.9	133.2	128.9
3.	Mesin dan peralatan <i>Machinery and equipment</i>	35.4	36.3	38.8	40.8	41.0
4.	Elektrik dan elektronik <i>Electrical and electronics</i>	68.0	69.9	80.9	85.4	89.8
5.	Peruncitan dan makanan & minuman <i>Retail and food & beverages</i>	19.6	20.3	20.0	18.8	20.7
6.	Pelancongan <i>Tourism</i>	29.1	30.5	19.0	13.9	29.0
7.	Teknologi, maklumat dan komunikasi (ICT) <i>Information, communication and technology (ICT)</i>	148.5	151.5	170.0	163.5	160.9
8.	Perkhidmatan professional <i>Professional services</i>	35.5	37.5	38.0	33.3	36.7
9.	Penjagaan kesihatan swasta <i>Private healthcare</i>	27.1	27.7	27.2	29.1	29.5
Produktiviti buruh <i>Labour productivity</i>		36.5	37.2	39.0	38.4	40.2

3b Produktiviti buruh tahunan, nilai ditambah per jam bekerja mengikut 9 subsektor keutamaan, 2018 - 2022:
 Perubahan peratusan tahunan
Annual labour productivity, value added per hour worked by 9 priority sub-sectors, 2018 - 2022:
Annual percentage change

		(%)				
	Aktiviti ekonomi <i>Economic activity</i>	2018	2019	2020	2021 ^e	2022 ^p
1.	Agromakanan <i>Agro-food</i>	1.1	1.3	5.1	-1.1	-5.0
2.	Kimia dan produk kimia <i>Chemicals and chemical products</i>	2.8	0.3	2.2	9.2	-3.2
3.	Mesin dan peralatan <i>Machinery and equipment</i>	6.3	2.6	6.7	5.2	0.4
4.	Elektrik dan elektronik <i>Electrical and electronics</i>	4.2	2.8	15.8	5.5	5.1
5.	Peruncitan dan makanan & minuman <i>Retail and food & beverages</i>	5.6	3.6	-1.4	-5.9	9.9
6.	Pelancongan <i>Tourism</i>	6.6	4.9	-37.6	-27.1	109.1
7.	Teknologi, maklumat dan komunikasi (ICT) <i>Information, communication and technology (ICT)</i>	5.6	2.0	12.2	-3.8	-1.6
8.	Perkhidmatan professional <i>Professional services</i>	6.5	5.8	1.1	-12.2	10.2
9.	Penjagaan kesihatan swasta <i>Private healthcare</i>	4.8	2.3	-1.9	7.1	1.3
Produktiviti buruh <i>Labour productivity</i>		4.2	2.1	4.7	-1.4	4.5

4a Produktiviti buruh tahunan, nilai ditambah per pekerja mengikut 9 subsektor keutamaan, 2018 - 2022
Annual labour productivity, value added per employment by 9 priority sub-sectors, 2018 - 2022

		(RM)				
	Aktiviti ekonomi <i>Economic activity</i>	2018	2019	2020	2021 ^e	2022 ^p
1.	Agromakanan <i>Agro-food</i>	89,145	91,306	91,154	94,074	92,765
2.	Kimia dan produk kimia <i>Chemicals and chemical products</i>	294,621	288,306	276,827	305,206	311,496
3.	Mesin dan peralatan <i>Machinery and equipment</i>	87,834	88,408	86,229	94,599	99,067
4.	Elektrik dan elektronik <i>Electrical and electronics</i>	168,258	170,471	177,044	198,152	216,194
5.	Peruncitan dan makanan & minuman <i>Retail and food & beverages</i>	46,309	47,806	42,740	42,022	47,419
6.	Pelancongan <i>Tourism</i>	70,379	74,092	38,124	29,039	67,832
7.	Teknologi, maklumat dan komunikasi (ICT) <i>Information, communication and technology (ICT)</i>	354,004	356,995	366,574	379,257	383,872
8.	Perkhidmatan profesional <i>Professional services</i>	81,831	86,671	78,014	74,421	82,869
9.	Penjagaan kesihatan swasta <i>Private healthcare</i>	63,121	64,188	59,088	64,483	68,220
Produktiviti buruh <i>Labour productivity</i>		85,107	86,621	82,231	85,026	91,793

4b Produktiviti buruh tahunan, nilai ditambah per pekerja mengikut 9 subsektor keutamaan, 2018 - 2022:
 Perubahan peratusan tahunan
Annual labour productivity, value added per employment by 9 priority sub-sectors, 2018 - 2022:
Annual percentage change

		(%)				
Aktiviti ekonomi <i>Economic activity</i>		2018	2019	2020	2021 ^e	2022 ^p
1.	Agromakanan <i>Agro-food</i>	0.4	2.4	-0.2	3.2	-1.4
2.	Kimia dan produk kimia <i>Chemicals and chemical products</i>	1.2	-2.1	-4.0	10.3	2.1
3.	Mesin dan peralatan <i>Machinery and equipment</i>	3.9	0.7	-2.5	9.7	4.7
4.	Elektrik dan elektronik <i>Electrical and electronics</i>	2.7	1.3	3.9	11.9	9.1
5.	Peruncitan dan makanan & minuman <i>Retail and food & beverages</i>	4.4	3.2	-10.6	-1.7	12.8
6.	Pelancongan <i>Tourism</i>	5.2	5.3	-48.5	-23.8	133.6
7.	Teknologi, maklumat dan komunikasi (ICT) <i>Information, communication and technology (ICT)</i>	4.4	0.8	2.7	3.5	1.2
8.	Perkhidmatan profesional <i>Professional services</i>	6.4	5.9	-10.0	-4.6	11.4
9.	Penjagaan kesihatan swasta <i>Private healthcare</i>	2.9	1.7	-7.9	9.1	5.8
Produktiviti buruh <i>Labour productivity</i>		3.0	1.8	-5.1	3.4	8.0

5a Produktiviti buruh suku tahunan, nilai ditambah per jam bekerja mengikut aktiviti ekonomi, ST1 2019 - ST1 2023

		(RM)			
		2019			
Aktiviti ekonomi <i>Economic activity</i>		I	II	III	IV
1.	Pertanian <i>Agriculture</i>	24.9	24.8	28.3	25.2
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	553.1	571.6	488.1	619.9
3.	Pembuatan <i>Manufacturing</i>	49.8	52.0	52.4	52.6
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	28.3	30.6	30.9	31.8
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	156.9	213.0	198.3	181.5
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	11.2	13.5	12.5	11.5
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	29.3	28.2	28.1	27.8
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	86.6	88.1	94.4	93.4
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>	37.8	46.0	43.5	39.7
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	66.5	62.4	61.2	64.2
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	55.5	66.0	66.7	70.2
4.	Pembinaan <i>Construction</i>	19.0	18.7	19.7	18.6
5.	Perkhidmatan <i>Services</i>	36.9	37.8	38.9	40.6
5.1	Utiliti <i>Utilities</i>	153.9	159.7	159.0	155.3
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	37.5	37.8	41.0	43.1
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	12.6	13.0	13.1	13.6
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	38.3	41.3	41.7	41.3
5.5	Maklumat dan komunikasi <i>Information and communication</i>	155.0	156.1	153.2	142.5
5.6	Kewangan dan insurans <i>Finance and insurance</i>	107.7	105.0	107.7	112.1
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	24.5	26.0	25.2	26.3
5.8	Perkhidmatan lain <i>Other services</i>	31.4	32.0	33.0	36.7
Produktiviti buruh <i>Labour productivity</i>		39.2	40.2	41.1	42.0

5a Quarterly labour productivity, value added per hour worked by economic activity, Q1 2019 - Q1 2023

												(RM)
2020				2021				2022				2023
I	II	III	IV	I	II	III	IV	I	II	III	IV	I
23.1	28.8	28.5	24.9	23.0	24.3	27.5	25.4	22.9	23.5	27.2	25.2	22.7
569.2	616.5	467.3	585.7	564.4	566.0	485.9	531.0	531.3	530.9	505.6	553.3	539.5
50.8	59.8	56.0	55.8	54.9	57.3	57.2	58.3	54.9	56.2	57.9	58.5	55.0
27.0	41.3	34.1	29.4	27.3	32.7	33.6	30.3	25.5	30.3	31.9	30.2	26.1
158.3	150.7	220.7	206.6	193.6	209.4	137.7	224.7	193.1	253.1	200.2	212.7	203.9
11.1	9.0	11.4	11.4	11.5	11.1	10.7	11.5	11.0	10.3	10.9	11.6	11.5
30.1	32.9	30.2	30.7	33.7	33.2	30.2	31.3	34.0	31.2	29.2	29.0	31.8
90.3	95.4	97.3	98.3	94.3	97.7	108.3	101.2	89.9	92.3	106.7	99.7	89.7
38.7	40.2	42.6	39.9	39.1	40.5	39.3	41.2	40.4	40.1	39.3	41.8	41.2
69.5	84.6	68.7	70.5	77.4	75.4	75.3	77.4	83.6	78.2	79.6	80.2	82.8
55.2	86.4	74.0	83.4	61.9	70.5	55.2	84.2	59.0	75.7	65.7	82.4	59.0
18.7	18.2	17.9	17.4	17.1	16.8	16.9	15.6	15.7	15.9	16.6	16.8	16.7
38.3	44.5	38.6	39.6	37.8	37.5	38.0	39.9	38.3	39.0	40.3	40.9	39.3
155.8	201.6	161.8	162.9	157.9	165.7	172.9	165.7	154.3	163.5	163.0	151.4	149.7
38.3	41.3	41.3	43.3	39.2	37.7	38.2	42.8	38.2	39.8	42.3	43.5	40.1
12.7	11.1	10.0	9.5	9.3	8.8	8.0	9.8	10.7	11.0	11.2	11.6	11.2
38.4	36.4	36.2	34.1	32.4	33.2	33.7	37.4	39.3	40.1	40.5	40.9	42.8
159.9	235.8	155.8	151.5	165.6	163.9	166.6	158.5	165.3	166.3	159.6	153.1	164.5
115.4	127.3	116.3	121.7	126.5	125.0	124.5	125.9	124.2	120.8	128.4	133.8	132.4
25.2	27.9	22.0	21.3	21.7	20.9	20.0	20.6	23.0	24.0	24.7	24.0	24.1
33.5	40.0	32.7	35.6	32.3	32.7	34.7	35.4	33.2	32.8	34.1	35.7	34.2
40.0	46.6	41.2	41.8	40.3	40.6	41.1	42.3	40.4	41.1	42.6	43.2	41.2

5b Produktiviti buruh suku tahunan, nilai ditambah per jam bekerja mengikut aktiviti ekonomi, ST1 2019 - ST1 2023:
Perubahan peratusan dari suku tahun yang sama tahun sebelumnya

		(%)			
		2019			
Aktiviti ekonomi Economic activity		I	II	III	IV
1.	Pertanian Agriculture	3.3	2.1	1.6	-5.8
2.	Perlombongan dan pengkuarian Mining and quarrying	1.5	-1.1	-1.8	-0.2
3.	Pembuatan Manufacturing	3.4	2.5	2.9	1.2
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	-1.3	-1.6	0.03	-2.8
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	-2.1	0.4	4.1	1.7
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	4.9	5.7	-1.7	-4.2
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	9.8	6.9	5.1	3.8
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	5.6	1.9	4.0	3.9
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>	1.4	4.2	3.8	1.8
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	2.8	1.4	3.8	2.1
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	7.1	4.9	6.2	4.5
4.	Pembinaan Construction	4.9	3.9	1.7	4.6
5.	Perkhidmatan Services	2.9	2.5	2.9	2.6
5.1	Utiliti <i>Utilities</i>	3.4	3.7	3.6	3.1
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	5.9	3.6	3.4	3.4
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	-0.1	0.1	2.5	2.8
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	4.7	3.7	3.8	4.7
5.5	Maklumat dan komunikasi <i>Information and communication</i>	3.5	2.3	1.2	1.2
5.6	Kewangan dan insurans <i>Finance and insurance</i>	-0.1	4.7	3.0	3.2
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	5.3	4.8	5.9	4.4
5.8	Perkhidmatan lain <i>Other services</i>	2.1	2.5	3.0	2.2
Produktiviti buruh Labour productivity		2.6	2.4	2.7	1.5

5b Quarterly labour productivity, value added per hour worked by economic activity, Q1 2019 - Q1 2023:
Percentage change from corresponding quarter of preceding year

												(%)
2020				2021				2022				2023
I	II	III	IV	I	II	III	IV	I	II	III	IV	I
-7.2	15.8	0.6	-1.0	-0.5	-15.5	-3.5	1.9	-0.3	-3.4	-0.8	-0.6	-0.9
2.9	7.8	-4.3	-5.5	-0.8	-8.2	4.0	-9.3	-5.9	-6.2	4.1	4.2	1.6
2.0	14.9	6.8	6.0	8.1	-4.2	2.1	4.6	-0.1	-1.9	1.4	0.3	0.2
-4.5	35.3	10.4	-7.8	1.1	-20.9	-1.6	3.3	-6.6	-7.4	-5.0	-0.4	2.2
0.9	-29.3	11.3	13.9	22.3	39.0	-37.6	8.8	-0.3	20.9	45.4	-5.4	5.6
-0.9	-33.0	-8.5	-0.1	3.8	22.5	-6.4	0.2	-3.7	-7.0	1.5	1.2	4.4
2.7	16.7	7.5	10.3	12.1	1.1	-0.1	1.8	0.7	-6.1	-3.1	-7.3	-6.4
4.2	8.3	3.1	5.4	4.4	2.4	11.2	2.9	-4.6	-5.5	-1.5	-1.5	-0.3
2.4	-12.6	-2.0	0.4	1.1	0.6	-7.7	3.4	3.4	-1.0	-0.2	1.3	1.9
4.5	35.7	12.3	9.8	11.4	-10.9	9.5	9.8	8.0	3.7	5.8	3.6	-0.9
-0.5	31.0	10.9	18.8	12.1	-18.5	-25.4	1.0	-4.6	7.4	18.9	-2.2	0.002
-1.7	-2.8	-8.8	-6.5	-8.6	-7.7	-5.6	-10.8	-8.2	-5.1	-2.0	8.0	6.5
3.8	17.6	-0.9	-2.4	-1.2	-15.6	-1.4	0.8	1.1	3.9	5.9	2.5	2.8
1.3	26.2	1.8	4.9	1.4	-17.8	6.9	1.8	-2.3	-1.3	-5.8	-8.7	-3.0
2.3	9.3	0.7	0.4	2.2	-8.7	-7.3	-1.0	-2.6	5.7	10.6	1.6	4.9
0.7	-14.6	-23.2	-30.1	-26.5	-20.9	-20.1	2.8	14.5	25.3	40.1	18.9	5.2
0.4	-11.9	-13.1	-17.4	-15.6	-8.6	-6.9	9.6	21.4	20.5	20.0	9.5	8.8
3.2	51.1	1.7	6.3	3.5	-30.5	6.9	4.7	-0.1	1.5	-4.2	-3.4	-0.5
7.1	21.2	7.9	8.6	9.6	-1.8	7.1	3.4	-1.8	-3.3	3.1	6.3	6.7
3.2	7.1	-12.9	-19.2	-14.1	-25.1	-9.1	-3.5	6.0	15.2	23.7	16.7	4.9
6.7	24.8	-0.9	-2.9	-3.4	-18.3	6.1	-0.5	2.5	0.4	-1.8	0.9	3.0
2.1	15.8	0.3	-0.5	0.6	-12.8	-0.4	1.3	0.2	1.2	3.7	2.1	2.1

6a Produktiviti buruh suku tahunan, nilai ditambah per pekerja mengikut aktiviti ekonomi, ST1 2019 - ST1 2023

		(RM)			
		2019			
Aktiviti ekonomi <i>Economic activity</i>		I	II	III	IV
1.	Pertanian <i>Agriculture</i>	13,138	13,030	14,839	13,201
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	346,101	342,989	296,963	383,037
3.	Pembuatan <i>Manufacturing</i>	29,834	31,113	31,343	31,576
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	16,063	17,490	17,753	17,991
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	98,771	135,055	124,166	111,647
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	5,659	6,795	6,302	6,020
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	18,142	17,903	17,479	17,148
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	53,713	54,795	58,620	59,091
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>	23,832	28,328	26,964	24,930
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	40,948	37,836	37,378	38,958
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	33,968	39,964	40,529	43,081
4.	Pembinaan <i>Construction</i>	11,406	11,099	11,794	11,132
5.	Perkhidmatan <i>Services</i>	21,552	21,858	22,656	23,480
5.1	Utiliti <i>Utilities</i>	91,035	94,229	94,709	90,787
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	22,440	22,658	24,775	26,090
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	7,441	7,451	7,635	7,970
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	23,430	25,009	25,583	25,445
5.5	Maklumat dan komunikasi <i>Information and communication</i>	92,585	90,885	89,661	84,377
5.6	Kewangan dan insurans <i>Finance and insurance</i>	62,485	59,776	61,774	65,096
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	14,688	15,547	15,044	15,779
5.8	Perkhidmatan lain <i>Other services</i>	17,320	17,564	18,080	19,458
Produktiviti buruh <i>Labour productivity</i>		22,810	23,206	23,817	24,291

6a Quarterly labour productivity, value added per employment by economic activity, Q1 2019 - Q1 2023

												(RM)
2020				2021				2022				2023
I	II	III	IV	I	II	III	IV	I	II	III	IV	I
11,964	13,186	14,881	13,086	12,085	12,772	14,480	13,497	12,195	12,566	14,749	13,721	12,172
41,791	286,955	283,881	351,270	333,475	323,649	279,934	313,635	317,764	312,671	304,286	332,521	323,940
29,745	25,672	32,464	32,573	31,375	31,640	31,275	34,309	32,266	32,921	33,838	34,854	32,477
15,238	18,699	18,686	16,295	14,678	17,476	17,916	17,040	14,604	17,014	17,831	17,121	14,924
95,969	75,028	134,836	122,882	110,450	116,777	79,123	131,919	115,193	146,336	118,093	124,337	119,031
5,617	4,082	5,851	6,067	5,825	5,351	5,251	5,897	5,770	5,386	5,584	6,061	6,196
18,230	12,710	17,999	17,989	19,221	17,850	15,644	18,532	20,131	18,841	17,575	18,062	19,154
54,624	47,228	58,505	59,151	56,258	57,546	63,951	61,991	54,587	55,665	64,334	61,351	54,923
23,718	17,039	25,268	24,247	23,408	22,835	21,622	25,108	24,195	24,121	23,735	25,307	24,789
41,029	34,725	40,994	41,941	45,429	42,560	42,547	46,821	50,249	46,825	47,455	49,128	49,124
33,372	28,632	44,159	50,466	36,546	40,360	29,854	50,621	36,018	45,485	39,016	49,547	36,275
10,795	6,600	10,604	10,221	9,912	9,092	8,618	9,103	9,368	9,368	9,906	10,015	9,995
21,686	18,499	21,856	22,394	21,221	20,621	20,574	22,651	21,961	22,142	22,914	23,586	22,641
89,728	87,859	94,109	92,298	89,995	92,414	91,508	96,382	91,266	93,093	93,636	92,524	90,791
22,392	17,479	24,030	25,472	22,446	20,891	21,016	24,765	22,253	23,112	24,746	25,942	23,647
7,104	4,503	5,487	5,291	5,145	4,768	4,440	5,583	6,147	6,165	6,369	6,497	6,384
22,513	13,909	21,496	19,915	19,025	19,165	19,133	22,360	23,761	23,975	24,278	25,132	25,879
94,477	92,181	91,181	89,006	95,962	94,564	95,637	93,184	97,607	96,343	96,201	93,833	95,465
64,705	56,395	65,105	69,256	71,786	70,161	68,706	72,026	71,511	69,443	71,421	72,019	71,247
14,878	11,663	12,687	12,414	12,542	11,811	10,978	11,916	13,607	13,985	14,166	14,494	14,569
17,939	16,771	18,081	19,056	17,403	7,440	17,799	19,141	18,125	18,002	18,558	19,626	18,749
22,613	19,530	23,327	23,661	22,578	22,211	22,081	24,065	23,153	23,402	24,312	24,966	23,712

6b Produktiviti buruh suku tahunan, nilai ditambah per pekerja mengikut aktiviti ekonomi, ST1 2019 - ST1 2023:
Perubahan peratusan dari suku tahun yang sama tahun sebelumnya

		(%)			
		2019			
Aktiviti ekonomi <i>Economic activity</i>		I	II	III	IV
1.	Pertanian <i>Agriculture</i>	3.8	2.1	1.9	-6.0
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	4.9	1.0	-3.8	-3.1
3.	Pembuatan <i>Manufacturing</i>	2.0	2.4	1.5	0.8
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	2.1	2.3	0.3	-0.9
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	1.3	2.0	2.5	0.7
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	0.7	0.9	-0.8	-0.9
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	3.6	4.2	4.3	3.2
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	1.9	1.4	0.8	0.4
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>	4.2	4.2	3.2	2.7
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	0.4	1.9	1.3	0.5
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	5.4	5.7	5.9	4.0
4.	Pembinaan <i>Construction</i>	4.8	3.8	2.2	3.5
5.	Perkhidmatan <i>Services</i>	2.9	3.0	2.7	2.9
5.1	Utiliti <i>Utilities</i>	4.7	3.9	3.4	3.3
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	3.9	3.4	3.4	3.2
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	1.1	1.8	1.7	2.1
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	3.9	4.4	4.2	4.2
5.5	Maklumat dan komunikasi <i>Information and communication</i>	1.8	0.2	0.4	1.0
5.6	Kewangan dan insurans <i>Finance and insurance</i>	1.9	3.7	2.9	3.5
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	4.3	4.5	4.7	5.0
5.8	Perkhidmatan lain <i>Other services</i>	3.5	3.9	3.1	3.7
Produktiviti buruh <i>Labour productivity</i>		2.4	2.8	2.4	1.5

6b Quarterly labour productivity, value added per employment by economic activity, Q1 2019 - Q1 2023:
Percentage change from corresponding quarter of preceding year

												(%)
2020				2021				2022				2023
I	II	III	IV	I	II	III	IV	I	II	III	IV	I
-8.9	1.2	0.3	-0.9	1.0	-3.1	-2.7	3.1	0.9	-1.6	1.9	1.7	-0.2
-1.2	-16.3	-4.4	-8.3	-2.4	12.8	-1.4	-10.7	-4.7	-3.4	8.7	6.0	1.9
-0.3	-17.5	3.6	3.2	5.5	23.2	-3.7	5.3	2.8	4.0	8.2	1.6	0.7
-5.1	6.9	5.3	-9.4	-3.7	-6.5	-4.1	4.6	-0.5	-2.6	-0.5	0.5	2.2
-2.8	-44.4	8.6	10.1	15.1	55.6	-41.3	7.4	4.3	25.3	49.3	-5.7	3.3
-0.7	-39.9	-7.2	0.8	3.7	31.1	-10.2	-2.8	-0.9	0.7	6.3	2.8	7.4
0.5	-29.0	3.0	4.9	5.4	40.4	-13.1	3.0	4.7	5.6	12.3	-2.5	-4.8
1.7	-13.8	-0.2	0.1	3.0	21.8	9.3	4.8	-3.0	-3.3	0.6	-1.0	0.6
-0.5	-39.9	-6.3	-2.7	-1.3	34.0	-14.4	3.6	3.4	5.6	9.8	0.8	2.5
0.2	-8.2	9.7	7.7	10.7	22.6	3.8	11.6	10.6	10.0	11.5	4.9	-2.2
-1.8	-28.4	9.0	17.1	9.5	41.0	-32.4	0.3	-1.4	12.7	30.7	-2.1	0.7
-5.4	-40.5	-10.1	-8.2	-8.2	37.8	-18.7	-10.9	-5.5	3.0	14.9	10.0	6.7
0.6	-15.4	-3.5	-4.6	-2.1	11.5	-5.9	1.1	3.5	7.4	11.4	4.1	3.1
-1.4	-6.8	-0.6	1.7	0.3	5.2	-2.8	4.4	1.4	0.7	2.3	-4.0	-0.5
-0.2	-22.9	-3.0	-2.4	0.20	19.5	-12.5	-2.8	-0.9	10.6	17.7	4.8	6.3
-4.5	-39.6	-28.1	-33.6	-27.6	5.9	-19.1	5.5	19.5	29.3	43.4	16.4	3.9
-3.9	-44.4	-16.0	-21.7	-15.5	37.8	-11.0	12.3	24.9	25.1	26.9	12.4	8.9
2.0	1.4	1.7	5.5	1.6	2.6	4.9	4.7	1.7	1.9	0.6	0.7	-2.2
3.6	-5.7	5.4	6.4	10.9	24.4	5.5	4.0	-0.4	-1.0	4.0	-0.01	-0.4
1.3	-25.0	-15.7	-21.3	-15.7	1.3	-13.5	-4.0	8.5	18.4	29.0	21.6	7.1
3.6	-4.5	0.01	-2.1	-3.0	4.0	-1.6	0.4	4.1	3.2	4.3	2.5	3.4
-0.9	-15.8	-2.1	-2.6	-0.2	13.7	-5.3	1.7	2.5	5.4	10.1	3.7	2.4

7a Keluaran Dalam Negeri Kasar (KDNK) tahunan mengikut aktiviti ekonomi pada harga malar 2015, 2018 - 2022
Annual Gross Domestic Product (GDP) by economic activity at constant 2015 prices, 2018 - 2022

		(RM juta/ RM million)				
Aktiviti ekonomi <i>Economic activity</i>		2018	2019	2020	2021 ^e	2022 ^p
1.	Pertanian <i>Agriculture</i>	99,637	101,573	99,109	99,000	99,073
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	103,557	102,887	92,879	93,717	96,199
3.	Pembuatan <i>Manufacturing</i>	304,843	316,283	307,606	336,839	364,131
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	29,468	30,448	30,881	31,516	32,856
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	8,819	9,181	7,709	7,756	9,062
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	5,927	6,251	5,444	5,837	6,171
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	20,570	21,685	20,075	21,341	22,962
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	88,419	90,982	90,084	101,847	102,872
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>	36,224	37,716	32,797	34,142	36,704
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	86,317	89,133	91,361	104,745	119,615
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	29,098	30,887	29,255	29,655	33,889
4.	Pembinaan <i>Construction</i>	66,194	66,453	53,616	50,889	53,441
5.	Perkhidmatan <i>Services</i>	772,990	820,576	777,693	794,552	881,310
5.1	Utiliti <i>Utilities</i>	36,109	38,326	37,950	39,025	40,337
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	227,166	242,704	228,561	233,144	264,511
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	45,502	49,821	36,539	32,731	43,547
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	50,208	53,632	42,078	42,653	55,799
5.5	Maklumat dan komunikasi <i>Information and communication</i>	79,110	84,225	89,203	94,639	99,576
5.6	Kewangan dan insurans <i>Finance and insurance</i>	89,088	93,358	96,102	105,839	106,667
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	63,745	68,762	58,766	53,088	65,143
5.8	Perkhidmatan lain <i>Other services</i>	182,061	189,747	188,494	193,433	205,729
tambah Duti import <i>plus Import duties</i>		16,546	16,179	15,346	15,646	16,785
KDNK pada harga pembeli <i>GDP at purchasers' prices</i>		1,363,766	1,423,952	1,346,249	1,390,644	1,510,939

7b Keluaran Dalam Negeri Kasar (KDNK) tahunan mengikut aktiviti ekonomi pada harga malar 2015, 2018 - 2022:
Perubahan peratusan tahunan
Annual Gross Domestic Product (GDP) by economic activity at constant 2015 prices, 2018 - 2022:
Annual percentage change

(%)

Aktiviti ekonomi <i>Economic activity</i>		2018	2019	2020	2021 ^e	2022 ^p
1.	Pertanian <i>Agriculture</i>	0.1	1.9	-2.4	-0.1	0.1
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	-2.2	-0.6	-9.7	0.9	2.6
3.	Pembuatan <i>Manufacturing</i>	5.0	3.8	-2.7	9.5	8.1
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	3.7	3.3	1.4	2.1	4.2
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	2.6	4.1	-16.0	0.6	16.8
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	4.3	5.5	-12.9	7.2	5.7
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	4.6	5.4	-7.4	6.3	7.6
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	4.0	2.9	-1.0	13.1	1.0
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	4.1	-13.0	4.1	7.5
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	6.3	3.3	2.5	14.6	14.2
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	6.3	6.1	-5.3	1.4	14.3
4.	Pembinaan <i>Construction</i>	4.2	0.4	-19.3	-5.1	5.0
5.	Perkhidmatan <i>Services</i>	6.9	6.2	-5.2	2.2	10.9
5.1	Utiliti <i>Utilities</i>	5.0	6.1	-1.0	2.8	3.4
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	8.2	6.8	-5.8	2.0	13.5
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	9.0	9.5	-26.7	-10.4	33.0
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	6.3	6.8	-21.5	1.4	30.8
5.5	Maklumat dan komunikasi <i>Information and communication</i>	8.2	6.5	5.9	6.1	5.2
5.6	Kewangan dan insurans <i>Finance and insurance</i>	5.4	4.8	2.9	10.1	0.8
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	7.8	7.9	-14.5	-9.7	22.7
5.8	Perkhidmatan lain <i>Other services</i>	5.0	4.2	-0.7	2.6	6.4
tambah Duti import <i>plus Import duties</i>		-8.5	-2.2	-5.2	2.0	7.3
KDNK pada harga pembeli <i>GDP at purchasers' prices</i>		4.8	4.4	-5.5	3.3	8.7

8a Keluaran Dalam Negeri Kasar (KDNK) suku tahunan mengikut aktiviti ekonomi pada harga malar 2015, ST1 2019 - ST1 2023

		(RM juta/ RM million)			
		2019			
Aktiviti ekonomi <i>Economic activity</i>		I	II	III	IV
1.	Pertanian <i>Agriculture</i>	24,707	24,266	28,082	24,519
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	26,216	26,483	23,567	26,622
3.	Pembuatan <i>Manufacturing</i>	75,627	79,005	79,922	81,729
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	7,020	7,623	7,807	7,997
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	1,946	2,643	2,416	2,177
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	1,450	1,710	1,558	1,534
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	5,530	5,460	5,386	5,308
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	21,385	22,002	23,570	24,025
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>	8,620	10,234	9,793	9,069
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	23,189	21,648	21,598	22,698
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	6,486	7,684	7,795	8,921
4.	Pembinaan <i>Construction</i>	16,704	16,161	16,967	16,620
5.	Perkhidmatan <i>Services</i>	195,144	199,852	208,474	217,106
5.1	Utiliti <i>Utilities</i>	9,329	9,610	9,732	9,656
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	55,776	58,053	63,277	65,599
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	11,793	12,075	12,450	13,504
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	12,902	13,157	13,472	14,101
5.5	Maklumat dan komunikasi <i>Information and communication</i>	20,468	21,164	21,504	21,090
5.6	Kewangan dan insurans <i>Finance and insurance</i>	23,050	22,676	23,317	24,315
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	16,548	17,160	17,069	17,985
5.8	Perkhidmatan lain <i>Other services</i>	45,279	45,957	47,653	50,858
tambah Duti import <i>plus Import duties</i>		3,976	4,142	4,106	3,956
KDNK pada harga pembeli <i>GDP at purchasers' prices</i>		342,373	349,910	361,117	370,552

8a Quarterly Gross Domestic Product (GDP) by economic activity at constant 2015 prices, Q1 2019 - Q1 2023

(RM juta/ RM million)												
2020				2021				2022				2023
I	II	III	IV	I	II	III	IV	I	II	III	IV	I
22,532	24,421	27,938	24,218	22,596	24,090	27,356	24,958	22,610	23,526	27,697	25,240	22,816
25,460	21,387	22,009	24,023	24,630	24,073	21,207	23,807	24,087	23,666	23,133	25,314	24,675
76,635	64,343	82,446	84,182	81,710	81,543	81,697	91,889	87,181	89,039	92,399	95,513	89,996
6,779	8,291	8,354	7,457	6,760	8,117	8,402	8,236	7,097	8,319	8,845	8,595	7,604
1,920	1,294	2,357	2,137	2,005	2,004	1,405	2,342	2,122	2,584	2,107	2,249	2,239
1,502	997	1,426	1,519	1,531	1,381	1,346	1,579	1,605	1,478	1,513	1,574	1,619
5,599	3,683	5,369	5,424	5,822	5,109	4,694	5,716	6,225	5,731	5,437	5,568	5,977
22,202	19,067	24,068	24,747	23,852	24,455	27,144	26,396	23,742	24,240	28,269	26,621	24,164
8,617	6,129	9,151	8,900	8,704	8,171	7,860	9,407	9,167	9,017	8,920	9,600	9,484
23,641	19,724	23,557	24,439	26,146	24,918	25,233	28,448	30,160	28,781	29,613	31,061	31,300
6,376	5,157	8,164	9,558	6,889	7,388	5,612	9,766	7,062	8,888	7,695	10,244	7,609
15,377	9,003	14,890	14,346	13,786	12,639	11,843	12,620	12,945	12,953	13,655	13,889	13,906
201,339	168,097	201,009	207,248	197,305	191,355	191,818	214,074	209,973	214,034	223,829	233,475	225,254
9,350	9,041	9,736	9,823	9,513	9,674	9,586	10,251	9,749	10,064	10,307	10,217	9,766
56,956	44,696	61,931	64,978	57,864	54,116	55,149	66,015	60,178	63,436	68,444	72,452	65,864
11,981	7,116	8,741	8,700	8,387	7,793	7,297	9,254	10,411	10,535	11,020	11,580	11,659
12,706	7,269	11,237	10,865	10,584	10,011	9,907	12,150	13,282	13,579	13,983	14,956	15,539
21,830	22,162	22,622	22,589	23,163	23,403	23,985	24,089	24,632	24,782	25,073	25,090	25,574
24,231	21,382	24,659	25,830	26,948	26,313	25,730	26,849	26,662	25,913	26,841	27,252	27,176
17,163	12,982	14,456	14,165	14,123	13,249	12,252	13,464	15,436	16,109	16,560	17,038	17,229
47,121	43,448	47,627	50,299	46,724	46,796	47,911	52,002	49,623	49,615	51,601	54,891	52,447
3,347	3,435	3,844	4,720	3,978	4,068	3,365	4,235	3,808	4,228	4,171	4,577	4,211
344,690	290,686	352,137	358,736	344,005	337,770	337,286	371,583	360,603	367,444	384,884	398,008	380,860

8b Keluaran Dalam Negeri Kasar (KDNK) suku tahunan mengikut aktiviti ekonomi pada harga malar 2015, ST1 2019 - ST1 2023: Perubahan peratusan dari suku tahun yang sama tahun sebelumnya

		(%)			
		2019			
Aktiviti ekonomi Economic activity		I	II	III	IV
1.	Pertanian <i>Agriculture</i>	6.0	4.2	3.7	-5.5
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	0.1	2.4	-2.8	-2.4
3.	Pembuatan <i>Manufacturing</i>	4.1	4.3	3.6	3.0
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	5.1	4.5	2.5	1.6
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	4.6	4.4	3.7	3.8
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	4.7	5.8	5.5	5.8
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	5.5	5.5	5.7	5.0
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	3.1	3.2	2.8	2.6
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>	4.0	4.3	4.2	3.9
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	3.7	4.0	3.0	2.4
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	6.9	6.8	6.6	4.7
4.	Pembinaan <i>Construction</i>	0.6	1.1	-1.4	1.3
5.	Perkhidmatan <i>Services</i>	6.4	6.1	5.9	6.2
5.1	Utiliti <i>Utilities</i>	7.1	6.5	5.6	5.4
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	7.3	6.9	6.7	6.6
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	9.5	9.3	9.3	9.9
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	6.6	7.0	6.8	6.8
5.5	Maklumat dan komunikasi <i>Information and communication</i>	7.1	6.2	6.0	6.7
5.6	Kewangan dan insurans <i>Finance and insurance</i>	4.6	4.8	4.3	5.4
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	7.5	8.0	7.8	8.2
5.8	Perkhidmatan lain <i>Other services</i>	4.6	4.1	3.7	4.4
tambah Duti import <i>plus Import duties</i>		-20.4	-3.0	33.6	-5.9
KDNK pada harga pembeli <i>GDP at purchasers' prices</i>		4.7	4.9	4.5	3.6

8b Quarterly Gross Domestic Product (GDP) by economic activity at constant 2015 prices, Q1 2019 - Q1 2023:
Percentage change from corresponding quarter of preceding year

												(%)
2020				2021				2022				2023
I	II	III	IV	I	II	III	IV	I	II	III	IV	I
-8.8	0.6	-0.5	-1.2	0.3	-1.4	-2.1	3.1	0.1	-2.3	1.2	1.1	0.9
-2.9	-19.2	-6.6	-9.8	-3.3	12.6	-3.6	-0.9	-2.2	-1.7	9.1	6.3	2.4
1.3	-18.6	3.2	3.0	6.6	26.7	-0.9	9.2	6.7	9.2	13.1	3.9	3.2
-3.4	8.8	7.0	-6.8	-0.3	-2.1	0.6	10.5	5.0	2.5	5.3	4.4	7.2
-1.3	-51.0	-2.4	-1.8	4.4	54.9	-40.4	9.5	5.9	28.9	49.9	-4.0	5.5
3.6	-41.7	-8.5	-1.0	1.9	38.4	-5.6	4.0	4.9	7.1	12.3	-0.3	0.8
1.2	-32.6	-0.3	2.2	4.0	38.7	-12.6	5.4	6.9	12.2	15.8	-2.6	-4.0
3.8	-13.3	2.1	3.0	7.4	28.3	12.8	6.7	-0.5	-0.9	4.1	0.9	1.8
-0.04	-40.1	-6.6	-1.9	1.0	33.3	-14.1	5.7	5.3	10.4	13.5	2.1	3.5
1.9	-8.9	9.1	7.7	10.6	26.3	7.1	16.4	15.4	15.5	17.4	9.2	3.8
-1.7	-32.9	4.7	7.1	8.1	43.2	-31.3	2.2	2.5	20.3	37.1	4.9	7.7
-7.9	-44.3	-12.2	-13.7	-10.3	40.4	-20.5	-12.0	-6.1	2.5	15.3	10.1	7.4
3.2	-15.9	-3.6	-4.5	-2.0	13.8	-4.6	3.3	6.4	11.9	16.7	9.1	7.3
0.2	-5.9	0.04	1.7	1.7	7.0	-1.5	4.4	2.5	4.0	7.5	-0.3	0.2
2.1	-23.0	-2.1	-0.9	1.6	21.1	-11.0	1.6	4.0	17.2	24.1	9.8	9.4
1.6	-41.1	-29.8	-35.6	-30.0	9.5	-16.5	6.4	24.1	35.2	51.0	25.1	12.0
-1.5	-44.7	-16.6	-22.9	-16.7	37.7	-11.8	11.8	25.5	35.6	41.1	23.1	17.0
6.7	4.7	5.2	7.1	6.1	5.6	6.0	6.6	6.3	5.9	4.5	4.2	3.8
5.1	-5.7	5.8	6.2	11.2	23.1	4.3	3.9	-1.1	-1.5	4.3	1.5	1.9
3.7	-24.3	-15.3	-21.2	-17.7	2.1	-15.2	-4.9	9.3	21.6	35.2	26.5	11.6
4.1	-5.5	-0.1	-1.1	-0.8	7.7	0.6	3.4	6.2	6.0	7.7	5.6	5.7
-15.8	-17.1	-6.4	19.3	18.9	18.4	-12.5	-10.3	-4.3	3.9	24.0	8.1	10.6
0.7	-16.9	-2.5	-3.2	-0.2	16.2	-4.2	3.6	4.8	8.8	14.1	7.1	5.6

9a Jumlah jam bekerja tahunan mengikut aktiviti ekonomi, 2018 - 2022
Annual total hours worked by economic activity, 2018 - 2022

		(Juta jam/ <i>Million hours</i>)				
	Aktiviti ekonomi <i>Economic activity</i>	2018	2019	2020	2021 ^e	2022 ^p
1.	Pertanian <i>Agriculture</i>	3,870	3,938	3,779	3,954	4,006
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	185	185	168	175	181
3.	Pembuatan <i>Manufacturing</i>	6,041	6,118	5,568	5,917	6,400
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	955	1,001	950	1,018	1,115
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	48	49	42	41	42
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	494	515	504	521	564
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	772	765	653	665	745
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	1,013	1,004	945	1,015	1,059
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>	893	904	813	853	909
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	1,392	1,402	1,262	1,371	1,488
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	475	477	400	434	478
4.	Pembinaan <i>Construction</i>	3,616	3,498	2,972	3,072	3,291
5.	Perkhidmatan <i>Services</i>	20,599	21,286	19,484	20,722	22,243
5.1	Utiliti <i>Utilities</i>	238	244	225	236	255
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	5,934	6,092	5,571	5,894	6,451
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	3,524	3,807	3,370	3,641	3,907
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	1,289	1,320	1,159	1,246	1,388
5.5	Maklumat dan komunikasi <i>Information and communication</i>	533	556	525	579	619
5.6	Kewangan dan insurans <i>Finance and insurance</i>	846	863	802	843	842
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	2,626	2,695	2,469	2,555	2,723
5.8	Perkhidmatan lain <i>Other services</i>	5,610	5,708	5,363	5,727	6,059
Jumlah jam bekerja <i>Total hours worked</i>		34,312	35,025	31,970	33,840	36,122

9b Jumlah jam bekerja tahunan mengikut aktiviti ekonomi, 2018 - 2022: Perubahan peratusan tahunan
Annual total hours worked by economic activity, 2018 - 2022: Annual percentage change

		(%)				
Aktiviti ekonomi <i>Economic activity</i>		2018	2019	2020	2021 ^e	2022 ^p
1.	Pertanian <i>Agriculture</i>	-0.6	1.8	-4.0	4.6	1.3
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	-5.3	-0.3	-9.4	4.2	3.9
3.	Pembuatan <i>Manufacturing</i>	1.6	1.3	-9.0	6.3	8.2
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	0.8	4.8	-5.1	7.1	9.6
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	5.3	3.1	-14.8	-2.9	4.3
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	6.8	4.3	-2.3	3.6	8.1
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	1.3	-0.9	-14.7	1.8	12.1
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	1.5	-0.9	-5.9	7.4	4.3
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>	0.2	1.3	-10.1	4.8	6.6
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	1.6	0.7	-10.0	8.6	8.5
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	1.3	0.5	-16.2	8.4	10.3
4.	Pembinaan <i>Construction</i>	0.4	-3.3	-15.0	3.4	7.1
5.	Perkhidmatan <i>Services</i>	1.8	3.3	-8.5	6.4	7.3
5.1	Utiliti <i>Utilities</i>	1.7	2.6	-7.7	4.7	8.3
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	2.3	2.7	-8.6	5.8	9.4
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	6.9	8.0	-11.5	8.1	7.3
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	1.9	2.5	-12.2	7.5	11.3
5.5	Maklumat dan komunikasi <i>Information and communication</i>	2.5	4.4	-5.6	10.3	7.0
5.6	Kewangan dan insurans <i>Finance and insurance</i>	1.7	2.0	-7.1	5.1	-0.2
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	2.0	2.6	-8.4	3.5	6.6
5.8	Perkhidmatan lain <i>Other services</i>	-1.9	1.7	-6.0	6.8	5.8
Jumlah jam bekerja <i>Total hours worked</i>		1.3	2.1	-8.7	5.8	6.7

10a Jumlah jam bekerja suku tahunan mengikut aktiviti ekonomi, ST1 2019 - ST1 2023

		(Juta jam/ Million hours)			
		2019			
Aktiviti ekonomi Economic activity		I	II	III	IV
1.	Pertanian <i>Agriculture</i>	993	977	993	975
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	47	46	48	43
3.	Pembuatan <i>Manufacturing</i>	1,520	1,518	1,526	1,554
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	248	249	253	251
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	12	12	12	12
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	130	127	125	134
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	189	194	192	191
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	247	250	250	257
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>	228	223	225	228
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	349	347	353	354
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	117	116	117	127
4.	Pembinaan <i>Construction</i>	880	864	862	891
5.	Perkhidmatan <i>Services</i>	5,290	5,287	5,358	5,351
5.1	Utiliti <i>Utilities</i>	61	60	61	62
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	1,488	1,537	1,545	1,522
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	938	925	952	992
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	337	319	323	341
5.5	Maklumat dan komunikasi <i>Information and communication</i>	132	136	140	148
5.6	Kewangan dan insurans <i>Finance and insurance</i>	214	216	216	217
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	676	659	676	683
5.8	Perkhidmatan lain <i>Other services</i>	1,443	1,435	1,444	1,386
Produktiviti buruh <i>Labour productivity</i>		8,730	8,693	8,788	8,815

10a Quarterly total hours worked by economic activity, Q1 2019 - Q1 2023

(Juta jam/ Million hours)												
2020				2021				2022				2023
I	II	III	IV	I	II	III	IV	I	II	III	IV	I
975	849	982	972	983	991	997	983	987	1,002	1,017	1,000	1,005
45	35	47	41	44	43	44	45	45	45	46	46	46
1,509	1,077	1,473	1,510	1,488	1,424	1,430	1,575	1,589	1,585	1,595	1,631	1,637
251	201	245	254	247	248	250	272	278	275	278	285	291
12	9	11	10	10	0	10	10	11	10	11	11	11
136	110	125	133	133	125	126	138	145	144	139	136	140
186	112	178	177	173	154	156	183	183	184	186	192	188
246	200	247	252	253	250	251	261	264	263	265	267	269
223	152	215	223	223	202	200	228	227	225	227	230	230
340	233	343	347	338	330	335	368	361	368	372	387	378
115	60	110	115	111	105	102	116	120	117	117	124	129
824	495	830	823	809	754	699	811	827	814	823	827	834
5,257	3,781	5,213	5,232	5,214	5,101	5,046	5,361	5,487	5,493	5,558	5,706	5,725
60	45	60	60	60	58	55	62	63	62	63	67	65
1,485	1,083	1,501	1,501	1,476	1,436	1,442	1,541	1,576	1,592	1,618	1,665	1,644
947	639	871	913	902	884	910	945	977	954	981	995	1,041
331	200	310	318	327	301	294	325	338	339	346	365	363
136	94	145	149	140	143	144	152	149	149	157	164	156
210	168	212	212	213	211	207	213	215	214	209	204	205
680	466	658	665	651	635	613	655	672	670	670	711	715
1,408	1,087	1,456	1,412	1,445	1,433	1,381	1,468	1,497	1,512	1,514	1,536	1,536
8,611	6,237	8,545	8,578	8,538	8,312	8,214	8,775	8,935	8,939	9,039	9,210	9,247

10b Jumlah jam bekerja suku tahunan mengikut aktiviti ekonomi, ST1 2019 - ST1 2023:
Perubahan peratusan dari suku tahun yang sama tahun sebelumnya

		(%)			
		2019			
Aktiviti ekonomi <i>Economic activity</i>		I	II	III	IV
1.	Pertanian <i>Agriculture</i>	2.7	2.1	2.0	0.2
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	-1.3	3.5	-1.0	-2.2
3.	Pembuatan <i>Manufacturing</i>	0.7	1.8	0.7	1.9
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	6.5	6.2	2.4	4.5
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	6.9	3.9	-0.4	2.0
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	-0.2	0.2	7.4	10.5
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	-3.9	-1.4	0.6	1.1
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	-2.4	1.3	-1.2	-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>	2.6	0.1	0.4	2.1
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	0.8	2.6	-0.8	0.3
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	-0.3	1.8	0.4	0.2
4.	Pembinaan <i>Construction</i>	-4.1	-2.7	-3.1	-3.2
5.	Perkhidmatan <i>Services</i>	3.4	3.6	2.8	3.5
5.1	Utiliti <i>Utilities</i>	3.6	2.7	1.9	2.3
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	1.3	3.1	3.2	3.0
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	9.6	9.2	6.6	6.9
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	1.8	3.3	2.8	2.0
5.5	Maklumat dan komunikasi <i>Information and communication</i>	3.5	3.8	4.7	5.4
5.6	Kewangan dan insurans <i>Finance and insurance</i>	4.7	0.1	1.3	2.1
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	2.1	3.0	1.8	3.7
5.8	Perkhidmatan lain <i>Other services</i>	2.5	1.6	0.8	2.1
Jumlah jam bekerja <i>Total hours worked</i>		2.0	2.4	1.8	2.1

10b Quarterly total hours worked by economic activity, Q1 2019 - Q1 2023:
Percentage change from corresponding quarter of preceding year

												(%)
2020				2021				2022				2023
I	II	III	IV	I	II	III	IV	I	II	III	IV	I
-1.7	-13.1	-1.1	-0.3	0.8	16.7	1.5	1.1	0.4	1.1	2.1	1.7	1.8
-5.6	-25.1	-2.4	-4.5	-2.5	22.6	-7.3	9.3	3.9	4.8	4.8	2.0	0.9
-0.7	-29.1	-3.4	-2.9	-1.4	32.3	-3.0	4.3	6.8	11.3	11.6	3.6	3.1
1.1	-19.6	-3.1	1.2	-1.3	23.8	2.2	7.0	12.5	10.7	10.9	4.7	4.8
-2.2	-30.8	-12.3	-13.8	-14.6	11.4	-4.4	0.7	6.1	6.7	3.1	1.5	-0.03
4.6	-13.0	0.01	-0.9	-1.8	13.0	0.9	3.8	8.9	15.1	10.7	-1.5	-3.4
-1.4	-42.2	-7.3	-7.4	-7.3	37.1	-12.5	3.5	6.2	19.4	19.5	5.1	2.6
-0.4	-20.0	-1.0	-2.2	2.9	25.3	1.4	3.6	4.3	4.9	5.7	2.4	2.1
-2.4	-31.5	-4.6	-2.3	-0.1	32.5	-6.9	2.2	1.9	11.4	13.7	0.8	1.5
-2.4	-32.8	-2.9	-2.0	-0.7	41.8	-2.2	6.0	6.8	11.3	11.0	5.3	4.8
-1.2	-48.8	-5.6	-9.8	-3.6	75.7	-7.9	1.2	7.5	12.0	15.3	7.2	7.7
-6.4	-42.7	-3.8	-7.7	-1.9	52.2	-15.7	-1.4	2.3	8.0	17.7	1.9	0.9
-0.6	-28.5	-2.7	-2.2	-0.8	34.9	-3.2	2.5	5.2	7.7	10.2	6.4	4.3
-1.0	-25.5	-1.7	-3.0	0.4	30.2	-7.9	2.6	4.9	5.4	14.1	9.1	3.2
-0.2	-29.5	-2.8	-1.4	-0.6	32.6	-3.9	2.6	6.8	10.9	12.2	8.0	4.3
0.9	-31.0	-8.5	-7.9	-4.7	38.5	4.5	3.5	8.4	7.9	7.8	5.2	6.5
-1.9	-37.3	-4.0	-6.8	-1.3	50.7	-5.3	2.1	3.4	12.6	17.6	12.4	7.5
3.4	-30.7	3.5	0.8	2.5	52.0	-0.9	1.9	6.5	4.4	9.1	7.8	4.4
-1.9	-22.2	-2.0	-2.2	1.5	25.3	-2.6	0.5	0.8	1.9	1.1	-4.5	-4.4
0.5	-29.4	-2.8	-2.6	-4.2	36.3	-6.7	-1.5	3.1	5.6	9.3	8.5	6.4
-2.4	-24.3	0.8	1.9	2.6	31.9	-5.2	3.9	3.6	5.6	9.7	4.6	2.6
-1.4	-28.3	-2.8	-2.7	-0.8	33.3	-3.9	2.3	4.6	7.5	10.0	5.0	3.5

11a Pekerja tahunan mengikut aktiviti ekonomi, 2018 - 2022
Annual employment by economic activity, 2018 - 2022

		('000)				
Aktiviti ekonomi <i>Economic activity</i>		2018	2019	2020	2021 ^e	2022 ^p
1.	Pertanian <i>Agriculture</i>	1,844	1,873	1,866	1,874	1,861
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	76	75	74	75	76
3.	Pembuatan <i>Manufacturing</i>	2,502	2,553	2,552	2,618	2,719
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	429	439	448	469	493
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	19	20	18	18	18
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	239	252	251	261	271
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	302	307	299	299	308
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	395	402	410	425	436
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>	361	362	363	367	377
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	562	575	575	590	618
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	194	196	186	188	199
4.	Pembinaan <i>Construction</i>	1,509	1,463	1,399	1,385	1,382
5.	Perkhidmatan <i>Services</i>	8,880	9,161	9,206	9,338	9,724
5.1	Utiliti <i>Utilities</i>	101	103	104	105	109
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	2,449	2,529	2,557	2,615	2,752
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	1,516	1,633	1,626	1,641	1,729
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	526	539	539	535	574
5.5	Maklumat dan komunikasi <i>Information and communication</i>	223	236	243	250	259
5.6	Kewangan dan insurans <i>Finance and insurance</i>	368	375	376	374	375
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	1,092	1,126	1,137	1,123	1,158
5.8	Perkhidmatan lain <i>Other services</i>	2,603	2,620	2,623	2,694	2,768
Jumlah pekerja <i>Total employment</i>		14,810	15,126	15,096	15,290	15,762

11b Pekerja tahunan mengikut aktiviti ekonomi, 2018 - 2022: Perubahan peratusan tahunan
Annual employment by economic activity, 2018 - 2022: Annual percentage change

		(%)				
	Aktiviti ekonomi <i>Economic activity</i>	2018	2019	2020	2021 ^e	2022 ^p
1.	Pertanian <i>Agriculture</i>	0.2	1.6	-0.4	0.4	-0.7
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	-6.0	-0.4	-2.3	1.7	1.2
3.	Pembuatan <i>Manufacturing</i>	2.5	2.1	-0.1	2.6	3.9
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	3.1	2.4	2.0	4.7	5.1
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	3.5	2.4	-7.8	-1.8	1.7
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	6.6	5.5	-0.4	3.9	3.7
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	0.1	1.5	-2.5	0.1	2.8
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	1.6	1.8	2.0	3.6	2.6
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>	2.2	0.5	0.2	1.1	2.7
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	3.2	2.2	0.1	2.6	4.6
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	0.6	0.9	-4.8	0.9	5.7
4.	Pembinaan <i>Construction</i>	0.8	-3.1	-4.4	-1.0	-0.2
5.	Perkhidmatan <i>Services</i>	3.2	3.2	0.5	1.4	4.1
5.1	Utiliti <i>Utilities</i>	2.7	2.2	0.8	1.1	3.3
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	3.2	3.3	1.1	2.2	5.3
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	8.1	7.7	-0.4	0.9	5.3
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	1.8	2.6	-0.1	-0.7	7.3
5.5	Maklumat dan komunikasi <i>Information and communication</i>	3.7	5.6	3.1	2.5	4.0
5.6	Kewangan dan insurans <i>Finance and insurance</i>	1.8	1.7	0.4	-0.5	0.2
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	3.5	3.1	0.9	-1.2	3.0
5.8	Perkhidmatan lain <i>Other services</i>	1.1	0.6	0.1	2.7	2.7
Jumlah pekerja <i>Total employment</i>		2.4	2.1	-0.2	1.3	3.1

12a Pekerja suku tahunan mengikut aktiviti ekonomi, ST1 2019 - ST1 2023

		2019			
		('000)			
Aktiviti ekonomi <i>Economic activity</i>		I	II	III	IV
1.	Pertanian <i>Agriculture</i>	1,881	1,862	1,892	1,857
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	76	77	79	70
3.	Pembuatan <i>Manufacturing</i>	2,535	2,539	2,550	2,588
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	437	436	440	444
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	20	20	19	19
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	256	252	247	255
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	305	305	308	310
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	398	402	402	407
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	363	364
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	566	572	578	583
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	191	192	192	207
4.	Pembinaan <i>Construction</i>	1,464	1,456	1,439	1,493
5.	Perkhidmatan <i>Services</i>	9,054	9,143	9,202	9,246
5.1	Utiliti <i>Utilities</i>	102	102	103	106
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	2,486	2,562	2,554	2,514
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	1,585	1,621	1,631	1,694
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	551	526	527	554
5.5	Maklumat dan komunikasi <i>Information and communication</i>	221	233	240	250
5.6	Kewangan dan insurans <i>Finance and insurance</i>	369	379	377	374
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	1,127	1,104	1,135	1,140
5.8	Perkhidmatan lain <i>Other services</i>	2,614	2,617	2,636	2,614
Jumlah jam bekerja <i>Total hours worked</i>		15,010	15,078	15,162	15,255

12a Quarterly employment by economic activity, Q1 2019 - Q1 2023

												('000)
2020				2021				2022				2023
I	II	III	IV	I	II	III	IV	I	II	III	IV	I
1,883	1,852	1,877	1,851	1,870	1,886	1,889	1,849	1,854	1,872	1,878	1,840	1,874
75	75	78	68	74	74	76	76	76	76	76	76	76
2,576	2,506	2,540	2,584	2,604	2,577	2,612	2,678	2,702	2,705	2,731	2,740	2,771
445	443	447	458	461	464	469	483	486	489	496	502	510
20	17	17	17	18	17	18	18	18	18	18	18	19
267	244	244	250	263	258	256	268	278	274	271	260	261
307	290	298	302	303	286	300	308	309	304	309	308	312
406	404	411	418	424	425	424	426	435	435	439	434	440
363	360	362	367	372	358	363	375	379	374	376	379	383
576	568	575	583	576	585	593	608	600	615	624	632	637
191	180	185	189	189	183	188	193	196	195	197	207	210
1,424	1,364	1,404	1,404	1,391	1,390	1,374	1,386	1,382	1,383	1,378	1,387	1,391
9,284	9,087	9,197	9,255	9,298	9,279	9,323	9,451	9,561	9,666	9,768	9,899	9,949
104	103	103	106	106	105	105	106	107	108	110	110	108
2,544	2,557	2,577	2,551	2,578	2,590	2,624	2,666	2,704	2,745	2,766	2,793	2,785
1,686	1,580	1,593	1,644	1,630	1,634	1,643	1,658	1,694	1,709	1,730	1,782	1,826
564	523	523	546	556	522	518	543	559	566	576	595	600
231	240	248	254	241	247	251	259	252	257	261	267	268
374	379	379	373	375	375	374	373	373	373	376	378	381
1,154	1,113	1,139	1,141	1,126	1,122	1,116	1,130	1,134	1,152	1,169	1,176	1,183
2,627	2,591	2,634	2,639	2,685	2,683	2,692	2,717	2,738	2,756	2,781	2,797	2,797
15,243	14,884	15,096	15,162	15,237	15,207	15,275	15,441	15,575	15,701	15,831	15,942	16,062

12b Pekerja suku tahunan mengikut aktiviti ekonomi, ST1 2019 - ST1 2023:
Perubahan peratusan dari suku tahun yang sama tahun sebelumnya

		(%)			
		2019			
Aktiviti ekonomi <i>Economic activity</i>		I	II	III	IV
1.	Pertanian <i>Agriculture</i>	2.2	2.0	1.7	0.5
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	-4.6	1.4	1.1	0.7
3.	Pembuatan <i>Manufacturing</i>	2.1	1.8	2.0	2.3
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	3.0	2.1	2.2	2.5
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	3.2	2.3	1.2	3.0
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	3.9	4.9	6.4	6.8
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	1.8	1.2	1.4	1.7
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	1.2	1.8	2.0	2.2
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>	-0.2	0.1	0.9	1.2
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	3.2	2.1	1.7	1.8
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	1.3	1.1	0.6	0.6
4.	Pembinaan <i>Construction</i>	-4.0	-2.6	-3.5	-2.1
5.	Perkhidmatan <i>Services</i>	3.4	3.0	3.1	3.2
5.1	Utiliti <i>Utilities</i>	2.3	2.5	2.1	2.1
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	3.3	3.4	3.2	3.3
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	8.3	7.3	7.5	7.6
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	2.6	2.6	2.5	2.6
5.5	Maklumat dan komunikasi <i>Information and communication</i>	5.3	5.9	5.5	5.6
5.6	Kewangan dan insurans <i>Finance and insurance</i>	2.7	1.1	1.4	1.8
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	3.2	3.3	2.9	3.0
5.8	Perkhidmatan lain <i>Other services</i>	1.1	0.2	0.6	0.7
Jumlah pekerja <i>Total employment</i>		2.2	2.1	2.1	2.2

12b Quarterly employment by economic activity, Q1 2019 - Q1 2023:
Percentage change from corresponding quarter of preceding year

												(%)
2020				2021				2022				2023
I	II	III	IV	I	II	III	IV	I	II	III	IV	I
0.1	-0.5	-0.8	-0.4	-0.7	1.8	0.6	-0.1	-0.8	-0.7	-0.6	-0.5	1.1
-1.7	-3.5	-2.3	-1.6	-0.8	-0.2	-2.3	11.0	2.6	1.8	0.4	0.3	0.5
1.6	-1.3	-0.4	-0.2	1.1	2.8	2.9	3.6	3.7	4.9	4.5	2.3	2.6
1.8	1.7	1.7	3.0	3.5	4.7	4.9	5.6	5.5	5.3	5.8	3.9	4.9
1.5	-11.9	-10.1	-10.8	-9.3	-0.5	1.6	2.0	1.5	2.9	0.5	1.9	2.1
4.4	-2.9	-1.4	-1.7	-1.7	5.6	5.2	7.0	5.9	6.4	5.7	-3.0	-6.1
0.7	-5.0	-3.2	-2.6	-1.4	-1.2	0.6	2.3	2.1	6.3	3.1	-0.05	0.9
2.1	0.5	2.3	2.9	4.3	5.3	3.2	1.8	2.6	2.5	3.5	1.9	1.2
0.4	-0.4	-0.3	0.9	2.4	-0.5	0.4	2.1	1.9	4.5	3.4	1.3	1.0
1.7	-0.7	-0.6	0.01	-0.1	3.1	3.2	4.3	4.3	5.0	5.2	4.1	6.2
0.1	-6.3	-3.9	-8.5	-1.3	1.6	1.7	1.9	4.0	6.8	4.9	7.2	7.0
-2.7	-6.3	-2.4	-6.0	-2.4	1.9	-2.1	-1.2	-0.6	-0.5	0.3	0.02	0.7
2.5	-0.6	-0.1	0.1	0.1	2.1	1.4	2.1	2.8	4.2	4.8	4.7	4.1
1.7	0.9	0.7	0.1	1.4	1.7	1.3	-0.1	1.1	3.3	5.1	3.8	0.7
2.3	-0.2	0.9	1.5	1.4	1.3	1.8	4.5	4.9	6.0	5.4	4.8	3.0
6.4	-2.5	-2.3	-3.0	-3.3	3.4	3.2	0.8	3.9	4.5	5.3	7.5	7.8
2.5	-0.7	-0.7	-1.6	-1.4	-0.1	-0.9	-0.4	0.5	8.4	11.2	9.5	7.4
4.5	3.2	3.4	1.5	4.5	2.9	1.1	1.9	4.5	3.9	3.9	3.4	6.2
1.5	-0.1	0.3	-0.2	0.2	-1.1	-1.1	-0.1	-0.7	-0.5	0.3	1.5	2.3
2.4	0.8	0.4	0.1	-2.4	0.8	-2.0	-1.0	0.7	2.7	4.7	4.0	4.2
0.5	-1.0	-0.1	1.0	2.2	3.6	2.2	2.9	2.0	2.7	3.3	2.9	2.2
1.6	-1.3	-0.4	-0.6	-0.04	2.2	1.2	1.8	2.2	3.2	3.6	3.2	3.1

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INDEKS
Indices

I1 Produktiviti buruh tahunan, indeks produktiviti buruh per jam bekerja mengikut aktiviti ekonomi (2015=100), 2015 - 2022
 Annual labour productivity, index of labour productivity per hour worked by economic activity (2015=100), 2015 - 2022

Aktiviti ekonomi Economic activity		2015	2016	2017	2018	2019	2020	2021 ^e	2022 ^p
1.	Pertanian <i>Agriculture</i>	100.0	99.7	101.4	102.2	102.4	104.1	99.4	98.1
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	100.0	102.3	99.8	103.2	102.8	102.4	99.1	98.0
3.	Pembuatan <i>Manufacturing</i>	100.0	103.6	107.3	110.8	113.6	121.3	125.1	125.0
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	110.9	105.7	100.6
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	100.0	107.8	109.1	106.3	107.3	105.8	109.5	122.7
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	96.7	100.1	97.9
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	144.8	139.0
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	122.8	119.0
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	104.8	104.0	104.9
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	100.0	106.7	112.5	117.7	120.7	137.3	145.0	152.6
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	138.3	129.3	134.0
4.	Pembinaan <i>Construction</i>	100.0	109.4	116.8	121.2	125.8	119.4	109.6	107.5
5.	Perkhidmatan <i>Services</i>	100.0	102.3	106.7	112.0	115.0	119.1	114.4	118.2
5.1	Utiliti <i>Utilities</i>	100.0	101.7	106.9	110.4	114.2	122.5	120.3	114.8
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	100.0	99.8	102.5	108.5	112.9	116.3	112.1	116.2
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	100.0	104.5	108.1	110.3	111.7	92.6	76.8	95.2
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	100.0	100.8	107.5	112.2	116.9	104.5	98.5	115.8
5.5	Maklumat dan komunikasi <i>Information and communication</i>	100.0	108.9	109.8	116.0	118.3	132.7	127.7	125.6
5.6	Kewangan dan insurans <i>Finance and insurance</i>	100.0	103.0	105.0	108.9	111.9	123.9	129.8	131.1
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	100.0	102.7	107.5	113.6	119.4	111.4	97.2	111.9
5.8	Perkhidmatan lain <i>Other services</i>	100.0	103.7	110.9	118.7	121.6	128.5	123.5	124.2
Produktiviti buruh <i>Labour productivity</i>		100.0	102.9	106.7	110.5	113.0	117.0	114.2	116.2

12 Produktiviti buruh tahunan, indeks produktiviti buruh per pekerja mengikut aktiviti ekonomi (2015=100), 2015 - 2022
 Annual labour productivity, index of labour productivity per employment by economic activity (2015=100), 2015 - 2022

Aktiviti ekonomi Economic activity		2015	2016	2017	2018	2019	2020	2021 ^e	2022 ^p
1.	Pertanian <i>Agriculture</i>	100.0	101.8	104.1	104.0	104.3	102.2	101.6	102.4
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	100.0	105.9	100.8	104.9	104.6	96.6	95.9	97.2
3.	Pembuatan <i>Manufacturing</i>	100.0	103.8	107.9	110.5	112.3	109.3	116.6	121.4
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	105.1	102.4	101.6
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	100.0	107.8	108.5	107.5	109.3	99.5	102.0	117.2
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	98.1	101.2	103.2
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	118.2	125.5	131.4
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	115.4	113.6
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>	100.0	102.2	101.3	104.0	107.8	93.6	96.4	100.8
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	100.0	106.8	113.0	116.4	117.6	120.4	134.5	146.8
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	119.9	120.4	130.1
4.	Pembinaan <i>Construction</i>	100.0	108.8	116.2	120.2	124.5	105.0	100.6	105.9
5.	Perkhidmatan <i>Services</i>	100.0	102.0	106.3	110.1	113.2	106.8	107.6	114.6
5.1	Utiliti <i>Utilities</i>	100.0	105.4	108.9	111.2	115.5	113.4	115.4	115.4
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	100.0	99.4	102.4	107.4	111.1	103.5	103.2	111.3
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	100.0	102.8	107.7	108.7	110.5	81.4	72.2	91.2
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	100.0	101.3	106.7	111.5	116.1	91.2	93.1	113.5
5.5	Maklumat dan komunikasi <i>Information and communication</i>	100.0	109.4	111.8	116.6	117.6	120.8	125.0	126.5
5.6	Kewangan dan insurans <i>Finance and insurance</i>	100.0	102.1	103.7	107.3	110.5	113.3	125.5	126.2
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	100.0	102.9	107.0	111.4	116.6	98.7	90.2	107.4
5.8	Perkhidmatan lain <i>Other services</i>	100.0	103.5	109.9	114.2	118.3	117.4	117.3	121.4
Produktiviti buruh <i>Labour productivity</i>		100.0	103.1	107.0	109.5	111.9	106.0	108.1	114.0

13 Produktiviti buruh tahunan, indeks produktiviti buruh per jam bekerja mengikut 9 subsektor keutamaan (2015=100), 2015 - 2022
Annual labour productivity, Index of labour productivity per hour worked by 9 priority sub-sectors (2015=100), 2015 - 2022

	Aktiviti ekonomi <i>Economic activity</i>	2015	2016	2017	2018	2019	2020	2021 ^e	2022 ^p
1.	Agromakanan <i>Agro-food</i>	100.0	99.3	100.9	102.0	103.4	108.7	107.4	102.1
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	123.8
3.	Mesin dan peralatan <i>Machinery and equipment</i>	100.0	108.1	107.0	113.7	116.7	124.5	131.0	131.6
4.	Elektrik dan elektronik <i>Electrical and electronics</i>	100.0	106.5	113.7	118.4	121.7	140.9	148.7	156.4
5.	Peruncitan dan makanan & minuman <i>Retail and food & beverages</i>	100.0	101.8	106.8	112.8	116.9	115.3	108.5	119.2
6.	Pelancongan <i>Tourism</i>	100.0	102.4	105.1	112.1	117.6	73.3	53.4	111.7
7.	Teknologi, maklumat dan komunikasi (ICT) <i>Information, communication and technology (ICT)</i>	100.0	108.9	109.8	116.0	118.3	132.7	127.7	125.6
8.	Perkhidmatan professional <i>Professional services</i>	100.0	104.5	113.8	121.2	128.3	129.7	113.9	125.5
9.	Penjagaan kesihatan swasta <i>Private healthcare</i>	100.0	103.5	101.5	106.4	108.9	106.8	114.3	115.8
	Produktiviti buruh <i>Labour productivity</i>	100.0	102.8	106.8	111.3	113.7	119.0	117.3	122.6

14 Produktiviti buruh tahunan, indeks produktiviti buruh per pekerja mengikut 9 subsektor keutamaan (2015=100), 2015 - 2022
Annual labour productivity, index of labour productivity per employment by 9 priority sub-sectors (2015=100), 2015 - 2022

	Aktiviti ekonomi <i>Economic activity</i>	2015	2016	2017	2018	2019	2020	2021 ^e	2022 ^p
1.	Agromakanan <i>Agro-food</i>	100.0	102.3	104.4	104.8	107.4	107.2	110.6	109.1
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	117.6
3.	Mesin dan peralatan <i>Machinery and equipment</i>	100.0	106.1	108.0	112.2	112.9	110.1	120.8	126.5
4.	Elektrik dan elektronik <i>Electrical and electronics</i>	100.0	106.9	114.0	117.1	118.6	123.2	137.9	150.4
5.	Peruncitan dan makanan & minuman <i>Retail and food & beverages</i>	100.0	100.8	106.5	111.1	114.7	102.6	100.9	113.8
6.	Pelancongan <i>Tourism</i>	100.0	101.0	105.3	110.8	116.6	60.0	45.7	106.8
7.	Teknologi, maklumat dan komunikasi (ICT) <i>Information, communication and technolo-</i>	100.0	109.4	111.8	116.6	117.6	120.8	125.0	126.5
8.	Perkhidmatan professional <i>Professional services</i>	100.0	106.2	113.0	120.2	127.3	114.6	109.3	121.7
9.	Penjagaan kesihatan swasta <i>Private healthcare</i>	100.0	105.1	104.9	107.9	109.8	101.0	110.3	116.6
	Produktiviti buruh <i>Labour productivity</i>	100.0	102.7	107.2	110.5	112.4	106.7	110.4	119.2

15 Produktiviti buruh suku tahunan, indeks produktiviti buruh per jam bekerja mengikut aktiviti ekonomi (2015=100),
ST1 2015 - ST1 2023

	Aktiviti ekonomi <i>Economic activity</i>	2015				2016				2017				2018	
		I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
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	95.7	96.5
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	100.7	106.8
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	105.7	111.6
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses 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	97.9	106.0
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	91.8	121.5
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	95.2	114.2
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	120.3	118.8
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	100.4	105.8
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated</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	96.8	114.6
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	122.8	116.8
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	97.9	118.9
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	119.8	119.1
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	107.0	110.1
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	108.3	112.0
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	100.3	103.3
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	107.5	111.4
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	105.2	114.7
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	116.9	119.1
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	111.6	103.7
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	108.7	116.2
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	112.4	114.3
	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	106.2	109.2

15 Quarterly labour productivity, index of labour productivity per hour worked by economic activity (2015=100), Q1 2015 - Q1 2023

2018		2019				2020				2021				2022				2023
III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	
110.5	105.9	98.8	98.5	112.2	99.8	91.7	114.1	112.9	98.9	91.2	96.4	108.9	100.8	90.9	93.2	108.1	100.2	90.1
91.8	114.7	102.2	105.6	90.2	114.5	105.2	113.9	86.3	108.2	104.3	104.6	89.8	98.1	98.2	98.1	93.4	102.2	99.7
111.9	114.2	109.3	114.3	115.1	115.5	111.6	131.3	122.9	122.5	120.6	125.8	125.5	128.2	120.5	123.4	127.3	128.6	120.7
105.4	111.8	96.6	104.3	105.4	108.7	92.3	141.2	116.4	100.2	93.3	111.6	114.5	103.5	87.1	103.4	108.8	103.1	89.1
109.1	102.2	89.9	122.0	113.6	103.9	90.7	86.3	126.4	118.3	110.9	119.9	78.8	128.7	110.6	145.0	114.6	121.8	116.8
113.8	107.0	99.8	120.6	111.9	102.4	98.9	80.9	102.4	102.4	102.7	99.1	95.8	102.6	98.8	92.1	97.2	103.8	103.2
120.5	120.9	132.1	127.0	126.6	125.6	135.7	148.2	136.2	138.5	152.1	149.9	136.0	141.1	153.2	140.8	131.8	130.8	143.4
111.1	110.0	106.0	107.9	115.6	114.3	110.5	116.8	119.2	120.4	115.4	119.6	132.5	123.9	110.1	113.0	130.6	122.0	109.8
108.9	101.3	98.2	119.4	113.0	103.1	100.5	104.4	110.7	103.5	101.6	105.1	102.1	107.1	105.0	104.1	102.0	108.5	107.0
111.9	119.3	126.3	118.4	116.2	121.8	131.9	160.6	130.4	133.8	147.0	143.1	142.8	146.9	158.7	148.5	151.1	152.2	157.2
118.8	127.1	104.9	124.8	126.2	132.8	104.5	163.5	139.9	157.8	117.0	133.3	104.5	159.3	111.7	143.2	124.2	155.8	111.7
128.0	117.9	125.6	123.8	130.3	123.4	123.5	120.3	118.8	115.4	112.9	111.0	112.1	103.0	103.6	105.3	109.8	111.2	110.3
112.8	118.0	110.1	112.8	116.1	121.1	114.3	132.7	115.1	118.2	112.9	112.0	113.5	119.2	114.2	116.3	120.2	122.1	117.4
111.6	109.6	111.9	116.1	115.6	113.0	113.3	146.6	117.7	118.5	114.9	120.5	125.8	120.5	112.2	118.9	118.5	110.1	108.9
112.3	118.1	106.2	107.0	116.1	122.1	108.7	116.9	116.9	122.7	111.1	106.8	108.4	121.4	108.2	112.9	119.9	123.3	113.5
108.9	113.2	107.3	111.4	111.7	116.3	108.1	95.1	85.7	81.3	79.4	75.2	68.5	83.6	91.0	94.3	95.9	99.4	95.7
115.6	113.5	110.2	118.9	120.0	118.9	110.6	104.7	104.3	98.2	93.3	95.7	97.1	107.6	113.3	115.3	116.5	117.8	123.2
118.2	110.0	121.0	121.9	119.6	111.2	124.9	184.1	121.6	118.3	129.3	128.0	130.1	123.8	129.1	129.9	124.7	119.5	128.4
108.2	112.3	111.4	108.6	111.4	115.9	119.4	131.6	120.2	125.9	130.9	129.3	128.8	130.2	128.4	125.0	132.9	138.4	137.0
111.5	118.1	114.4	121.7	118.1	123.2	118.1	130.4	102.8	99.6	101.4	97.6	93.5	96.1	107.5	112.5	115.6	112.2	112.7
117.2	131.3	114.7	117.1	120.7	134.2	122.4	146.2	119.6	130.3	118.3	119.5	126.9	129.6	121.2	120.0	124.6	130.7	124.9
111.2	115.1	109.0	111.9	114.2	116.8	111.2	129.5	114.5	116.2	112.0	112.9	114.1	117.7	112.2	114.2	118.3	120.1	114.5

16 Produktiviti buruh suku tahunan, indeks produktiviti buruh per pekerja mengikut aktiviti ekonomi (2015=100),
ST1 2015 - ST1 2023

	Aktiviti ekonomi <i>Economic activity</i>	2015				2016				2017				2018	
		I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
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	97.4	98.2
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	101.2	104.2
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	106.1	110.2
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses 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	96.0	104.3
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	90.8	123.3
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	101.8	122.0
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	123.3	121.0
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	101.5	104.0
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated</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	94.7	112.6
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	123.7	112.6
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	98.4	115.5
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	119.2	117.2
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	105.9	107.3
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	108.4	113.0
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	100.0	101.5
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	106.7	106.0
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	105.4	111.9
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	119.9	119.5
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	108.8	102.4
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	107.6	113.6
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	109.3	110.4
	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	105.9	107.4

16

Quarterly labour productivity, index of labour productivity per employment by economic activity (2015=100),
Q1 2015 - Q1 2023

2018		2019				2020				2021				2022				2023
III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
112.0	108.1	101.1	100.3	114.2	101.6	92.1	101.5	114.5	100.7	93.0	98.3	111.4	103.9	93.8	96.7	113.5	105.6	93.7
94.8	121.3	106.2	105.2	91.1	117.5	104.9	88.1	87.1	107.8	102.3	99.3	85.9	96.2	97.5	95.9	93.4	102.0	99.4
111.9	113.6	108.2	112.8	113.7	114.5	107.9	93.1	117.7	118.1	113.8	114.7	113.4	124.4	117.0	119.4	122.7	126.4	117.8
108.0	110.7	98.0	106.7	108.3	109.8	93.0	114.1	114.0	99.4	89.5	106.6	109.3	104.0	89.1	103.8	108.8	104.5	91.1
112.8	103.2	92.0	125.8	115.6	104.0	89.4	69.9	125.6	114.4	102.9	108.8	73.7	122.9	107.3	136.3	110.0	115.8	110.9
115.2	110.1	102.5	123.1	114.2	109.1	101.8	74.0	106.0	109.9	105.5	97.0	95.2	106.9	104.6	97.6	101.2	109.8	112.3
118.1	117.0	127.8	126.1	123.1	120.8	128.4	89.5	126.8	126.7	135.4	125.7	110.2	130.5	141.8	132.7	123.8	127.2	134.9
112.0	113.3	103.4	105.5	112.8	113.8	105.2	90.9	112.6	113.9	108.3	110.8	123.1	119.3	105.1	107.2	123.8	118.1	105.7
108.2	100.6	98.7	117.4	111.7	103.3	98.3	70.6	104.7	100.5	97.0	94.6	89.6	104.0	100.2	99.9	98.3	104.8	102.7
112.0	117.6	124.2	114.8	113.4	118.2	124.5	105.3	124.4	127.2	137.8	129.1	129.1	142.0	152.4	142.0	143.9	149.0	149.0
116.9	126.5	103.8	122.1	123.8	131.6	101.9	87.5	134.9	154.2	111.6	123.3	91.2	154.6	110.0	139.0	119.2	151.4	110.8
126.5	117.9	125.0	121.6	129.3	122.0	118.3	72.3	116.2	112.0	108.6	99.7	94.5	99.8	102.7	102.7	108.6	109.8	109.5
111.6	115.4	109.0	110.5	114.6	118.7	109.7	93.6	110.5	113.3	107.3	104.3	104.0	114.6	111.1	112.0	115.9	119.3	114.5
114.1	109.5	113.4	117.4	118.0	113.1	111.8	109.5	117.3	115.0	112.1	115.2	114.0	120.1	113.7	116.0	116.7	115.3	113.1
111.0	117.1	103.9	104.9	114.7	120.8	103.7	80.9	111.3	118.0	103.9	96.7	97.3	114.7	103.1	107.0	114.6	120.1	109.5
108.7	113.0	107.8	107.9	110.6	115.5	102.9	65.2	79.5	76.7	74.5	69.1	64.3	80.9	89.0	89.3	92.3	94.1	92.5
114.6	114.1	109.4	116.8	119.5	118.8	105.1	65.0	100.4	93.0	88.9	89.5	89.4	104.4	111.0	112.0	113.4	117.4	120.9
117.7	110.0	122.0	119.8	118.2	111.2	124.5	121.5	120.2	117.3	126.5	124.6	126.0	122.8	128.6	127.0	126.8	123.7	125.8
106.6	111.7	110.9	106.1	109.7	115.6	114.9	100.1	115.6	122.9	127.4	124.5	122.0	127.9	126.9	123.3	126.8	127.8	126.5
109.8	114.8	112.2	118.7	114.9	120.5	113.6	89.1	96.9	94.8	95.8	90.2	83.8	91.0	103.9	106.8	108.2	110.7	111.3
114.6	122.5	113.1	114.7	118.1	127.1	117.2	109.6	118.1	124.5	113.7	113.9	116.3	125.0	118.4	117.6	121.2	128.2	122.5
110.6	113.9	108.5	110.4	113.3	115.5	107.5	92.9	110.9	112.5	107.4	105.6	105.0	114.4	110.1	111.3	115.6	118.7	112.8

17 Indeks jam bekerja tahunan mengikut aktiviti ekonomi (2015=100), 2015 - 2022
Annual hours worked index by economic activity (2015=100), 2015 - 2022

Aktiviti ekonomi <i>Economic activity</i>		2015	2016	2017	2018	2019	2020	2021 ^e	2022 ^p
1.	Pertanian <i>Agriculture</i>	100.0	96.6	100.6	100.0	101.7	97.6	102.1	103.5
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	100.0	100.0	102.9	97.4	97.1	88.0	91.7	95.3
3.	Pembuatan <i>Manufacturing</i>	100.0	100.8	103.1	104.8	106.2	96.6	102.7	111.0
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	129.9
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	97.2
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	128.0
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	92.9
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	110.4
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>	100.0	101.5	108.7	108.8	110.3	99.2	104.0	110.8
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	111.6
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	94.4
4.	Pembinaan <i>Construction</i>	100.0	98.2	98.2	98.6	95.4	81.1	83.8	89.8
5.	Perkhidmatan <i>Services</i>	100.0	103.4	105.3	107.2	110.8	101.4	107.8	115.8
5.1	Utiliti <i>Utilities</i>	100.0	103.6	101.4	103.2	105.9	97.7	102.3	110.8
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	123.7
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	126.3
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	100.0	104.8	104.4	106.4	109.0	95.7	102.9	114.6
5.5	Maklumat dan komunikasi <i>Information and communication</i>	100.0	99.2	106.9	109.5	114.3	107.9	118.9	127.2
5.6	Kewangan dan insurans <i>Finance and insurance</i>	100.0	99.7	102.3	104.0	106.1	98.6	103.7	103.5
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	113.2
5.8	Perkhidmatan lain <i>Other services</i>	100.0	101.1	99.3	97.4	99.1	93.1	99.4	105.2
Jumlah jam bekerja <i>Total hours worked</i>		100.0	101.5	103.6	104.9	107.1	97.7	103.5	110.4

18 Indeks pekerja tahunan mengikut aktiviti ekonomi (2015=100), 2015 - 2022
Annual employment index by economic activity (2015=100), 2015 - 2022

Aktiviti ekonomi <i>Economic activity</i>		2015	2016	2017	2018	2019	2020	2021 ^e	2022 ^p
1.	Pertanian <i>Agriculture</i>	100.0	94.6	98.0	98.3	99.8	99.4	99.9	99.2
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	100.0	96.5	101.9	95.8	95.4	93.3	94.8	96.0
3.	Pembuatan <i>Manufacturing</i>	100.0	100.5	102.6	105.2	107.3	107.3	110.1	114.3
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	128.6
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	101.8
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	121.4
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	98.3
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	115.7
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	115.3
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	116.0
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	97.1
4.	Pembinaan <i>Construction</i>	100.0	98.7	98.7	99.5	96.4	92.2	91.3	91.1
5.	Perkhidmatan <i>Services</i>	100.0	103.7	105.7	109.1	112.5	113.1	114.7	119.4
5.1	Utiliti <i>Utilities</i>	100.0	100.0	99.6	102.4	104.7	105.5	106.7	110.2
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	129.2
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	131.8
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	100.0	104.4	105.2	107.1	109.8	109.7	108.9	116.9
5.5	Maklumat dan komunikasi <i>Information and communication</i>	100.0	98.8	105.0	108.9	114.9	118.5	121.6	126.4
5.6	Kewangan dan insurans <i>Finance and insurance</i>	100.0	100.5	103.7	105.6	107.4	107.8	107.3	107.5
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	117.9
5.8	Perkhidmatan lain <i>Other services</i>	100.0	101.3	100.2	101.2	101.9	102.0	104.7	107.6
Jumlah pekerja <i>Total employment</i>		100.0	101.3	103.3	105.8	108.1	107.9	109.3	112.6

19 Indeks jam bekerja suku tahunan mengikut aktiviti ekonomi (2015=100), ST1 2015 - ST1 2023

	Aktiviti ekonomi Economic activity	2015				2016				2017				2018	
		I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
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	99.9	99.0
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	100.9	94.0
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	104.8	103.5
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses 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	108.6	109.5
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	106.7	109.7
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	118.3	115.0
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	98.0	98.0
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	105.6	102.9
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated</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	108.4	108.4
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	103.8	101.5
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	92.5	90.2
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	100.1	96.9
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	106.5	106.2
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	101.5	101.7
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	112.6	114.3
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	110.7	109.6
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	109.4	101.9
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	104.9	107.5
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	100.5	106.1
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	110.1	106.4
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	97.8	98.1
	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	104.7	103.8

19 Quarterly hours worked index by economic activity (2015=100), Q1 2015 - Q1 2023

2018		2019				2020				2021				2022				2023
III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
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	105.1	103.3	103.8
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	96.1	96.1	96.1
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	110.7	113.2	113.6
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	129.4	132.6	135.8
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	96.8	97.2	101.0
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	126.4	123.2	127.5
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	92.8	95.7	93.7
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	110.6	111.4	112.4
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	110.8	112.1	112.3
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	111.6	116.2	113.4
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	92.4	98.1	101.7
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	89.8	90.2	91.0
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	115.7	118.8	119.2
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	109.7	117.1	113.1
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	124.1	127.7	126.1
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	126.9	128.6	134.6
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	114.2	120.7	120.0
110.2	115.4	108.6	111.5	115.4	121.7	112.2	77.3	119.4	122.6	115.0	117.4	118.4	125.0	122.5	122.5	129.1	134.8	127.9
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	102.8	100.1	100.9
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	111.4	118.1	118.9
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	105.1	106.6	106.6
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	110.5	112.6	113.1

I10 Indeks pekerja suku tahunan mengikut aktiviti ekonomi (2015=100), ST1 2015 - ST1 2023

	Aktiviti ekonomi <i>Economic activity</i>	2015				2016				2017				2018	
		I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
1.	Pertanian <i>Agriculture</i>	99.0	104.0	103.0	94.0	90.0	94.0	100.0	94.0	94.0	101.0	99.0	98.0	98.0	97.0
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	99.0	92.0	101.0	107.0	98.0	100.0	93.0	95.0	109.0	104.0	105.0	90.0	100.0	96.0
3.	Pembuatan <i>Manufacturing</i>	100.0	99.0	100.0	101.0	100.0	100.0	101.0	102.0	102.0	101.0	102.0	104.0	104.0	105.0
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	102.0	99.0	98.0	101.0	105.0	106.0	107.0	107.0	110.0	106.0	108.0	110.0	111.0	111.0
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	103.0	99.0	100.0	99.0	95.0	101.0	100.0	101.0	104.0	104.0	104.0	105.0	108.0	108.0
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather prod-</i>	100.0	99.0	100.0	101.0	99.0	98.0	99.0	101.0	101.0	98.0	100.0	103.0	111.0	108.0
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and</i>	101.0	99.0	99.0	100.0	98.0	98.0	98.0	98.0	97.0	96.0	96.0	96.0	96.0	96.0
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	100.0	99.0	100.0	101.0	100.0	101.0	101.0	103.0	103.0	103.0	103.0	104.0	104.0	105.0
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated</i>	99.0	99.0	101.0	102.0	101.0	101.0	102.0	104.0	108.0	107.0	108.0	109.0	111.0	110.0
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	100.0	100.0	100.0	101.0	100.0	100.0	101.0	102.0	101.0	101.0	102.0	104.0	103.0	105.0
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing</i>	99.0	100.0	99.0	102.0	92.0	89.0	90.0	93.0	91.0	94.0	93.0	99.0	92.0	93.0
4.	Pembinaan <i>Construction</i>	98.0	100.0	101.0	101.0	102.0	98.0	96.0	99.0	97.0	98.0	97.0	103.0	101.0	99.0
5.	Perkhidmatan <i>Services</i>	100.0	99.0	99.0	102.0	103.0	104.0	103.0	104.0	106.0	105.0	106.0	106.0	108.0	109.0
5.1	Utiliti <i>Utilities</i>	102.0	99.0	99.0	101.0	101.0	97.0	100.0	102.0	101.0	97.0	98.0	102.0	101.0	101.0
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	102.0	96.0	99.0	104.0	107.0	110.0	106.0	106.0	112.0	112.0	112.0	110.0	113.0	116.0
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	100.0	97.0	99.0	104.0	104.0	104.0	102.0	106.0	105.0	106.0	106.0	110.0	112.0	115.0
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	103.0	99.0	97.0	101.0	107.0	101.0	101.0	108.0	108.0	102.0	102.0	108.0	109.0	104.0
5.5	Maklumat dan komunikasi <i>Information and communication</i>	101.0	99.0	98.0	101.0	92.0	100.0	104.0	100.0	99.0	104.0	109.0	108.0	102.0	107.0
5.6	Kewangan dan insurans <i>Finance and insurance</i>	102.0	99.0	99.0	100.0	100.0	101.0	100.0	101.0	102.0	103.0	105.0	104.0	103.0	108.0
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	99.0	102.0	96.0	103.0	100.0	105.0	104.0	107.0	106.0	101.0	113.0	110.0	111.0	109.0
5.8	Perkhidmatan lain <i>Other services</i>	99.0	100.0	100.0	101.0	102.0	100.0	103.0	101.0	101.0	101.0	100.0	98.0	101.0	102.0
Jumlah pekerja <i>Total employment</i>		100.0	100.0	100.0	101.0	101.0	101.0	101.0	102.0	103.0	103.0	104.0	104.0	105.0	106.0

I10 Quarterly employment index by economic activity (2015=100), Q1 2015 - Q1 2023

2018		2019				2020				2021				2022				2023
III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
99.0	98.0	100.0	99.0	101.0	99.0	100.0	99.0	100.0	99.0	100.0	101.0	101.0	99.0	99.0	100.0	100.0	98.0	100.0
99.0	87.0	96.0	98.0	100.0	88.0	94.0	94.0	98.0	87.0	93.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
105.0	106.0	107.0	107.0	107.0	109.0	108.0	105.0	107.0	109.0	109.0	108.0	110.0	113.0	114.0	114.0	115.0	115.0	116.0
112.0	113.0	114.0	114.0	115.0	116.0	116.0	116.0	117.0	119.0	120.0	121.0	122.0	126.0	127.0	128.0	129.0	131.0	133.0
109.0	107.0	111.0	111.0	110.0	110.0	113.0	98.0	99.0	98.0	103.0	97.0	100.0	100.0	104.0	100.0	101.0	102.0	106.0
104.0	107.0	115.0	113.0	111.0	114.0	120.0	110.0	109.0	112.0	118.0	116.0	115.0	120.0	125.0	123.0	121.0	116.0	117.0
97.0	97.0	97.0	97.0	98.0	99.0	98.0	93.0	95.0	96.0	97.0	91.0	96.0	98.0	99.0	97.0	99.0	98.0	100.0
105.0	106.0	106.0	107.0	107.0	108.0	108.0	107.0	109.0	111.0	113.0	113.0	113.0	113.0	115.0	116.0	117.0	115.0	117.0
110.0	110.0	111.0	110.0	111.0	111.0	111.0	110.0	111.0	112.0	114.0	109.0	111.0	115.0	116.0	114.0	115.0	116.0	117.0
107.0	107.0	106.0	107.0	108.0	109.0	108.0	107.0	108.0	109.0	108.0	110.0	111.0	114.0	113.0	115.0	117.0	119.0	120.0
93.0	101.0	93.0	94.0	94.0	101.0	93.0	88.0	90.0	93.0	92.0	89.0	92.0	94.0	96.0	95.0	96.0	101.0	102.0
98.0	100.0	97.0	96.0	95.0	98.0	94.0	90.0	93.0	92.0	92.0	92.0	91.0	91.0	91.0	91.0	91.0	91.0	92.0
110.0	110.0	111.0	112.0	113.0	114.0	114.0	112.0	113.0	114.0	114.0	114.0	115.0	116.0	117.0	119.0	120.0	122.0	122.0
102.0	105.0	104.0	103.0	104.0	108.0	105.0	104.0	105.0	108.0	107.0	106.0	106.0	108.0	108.0	109.0	111.0	112.0	109.0
116.0	114.0	117.0	120.0	120.0	118.0	119.0	120.0	121.0	120.0	121.0	122.0	123.0	125.0	127.0	129.0	130.0	131.0	131.0
116.0	120.0	121.0	124.0	124.0	129.0	129.0	120.0	121.0	125.0	124.0	125.0	125.0	126.0	129.0	130.0	132.0	136.0	139.0
105.0	110.0	112.0	107.0	107.0	113.0	115.0	106.0	106.0	111.0	113.0	106.0	105.0	111.0	114.0	115.0	117.0	121.0	122.0
111.0	115.0	108.0	113.0	117.0	122.0	113.0	117.0	121.0	124.0	118.0	121.0	122.0	126.0	123.0	125.0	127.0	130.0	131.0
107.0	105.0	106.0	109.0	108.0	107.0	107.0	109.0	109.0	107.0	108.0	107.0	107.0	107.0	107.0	107.0	108.0	108.0	109.0
112.0	113.0	115.0	112.0	116.0	116.0	117.0	113.0	116.0	116.0	115.0	114.0	114.0	115.0	116.0	117.0	119.0	120.0	120.0
102.0	101.0	102.0	102.0	102.0	102.0	102.0	101.0	102.0	103.0	104.0	104.0	105.0	106.0	106.0	107.0	108.0	109.0	109.0
106.0	107.0	107.0	108.0	108.0	109.0	109.0	106.0	108.0	108.0	109.0	109.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0

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NOTA TEKNIKAL
Technical Notes

PENGENALAN

Penerbitan ini membentangkan statistik produktiviti buruh suku tahunan bagi tempoh suku pertama 2019 hingga suku pertama 2023 mengikut 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

Penyusunan statistik produktiviti buruh adalah meliputi lima sektor utama iaitu Pertanian, Perlombongan & pengkuarian, Pembuatan, Pembinaan dan Perkhidmatan berdasarkan Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Ver.1.0, 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 perincian lapan (8) subsektor bagi sektor Pembuatan dan Perkhidmatan.

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 faktor pelbagai**. *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

Nilai ditambah merujuk kepada perbezaan 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

Pekerja merujuk kepada mereka 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, tetapi 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 pekerjaan mana dia telah bekerja paling lama dianggap sebagai pekerjaan utamanya.

Jumlah jam bekerja

Jumlah jam bekerja bagi pekerjaan dalam tempoh rujukan merujuk kepada agregat sebenar jam bekerja bagi suku tahun. Ia adalah hasil darab daripada purata jam bekerja dengan pekerja jam bekerja. Pekerja jam bekerja merujuk kepada keseluruhan pekerja 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 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 satu jam dalam seminggu. Pekerja merujuk kepada keseluruhan pekerja pada akhir tempoh rujukan.

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

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 satu jam dalam seminggu. Pekerja jam bekerja 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 dan 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)

KAEDAH PENGANGGARAN PRODUKTIVITI BURUH

Penganggaran produktiviti buruh suku tahunan diukur menggunakan kaedah produktiviti faktor tunggal. Anggaran ini dibuat berdasarkan maklumat nilai ditambah per pekerja dan nilai ditambah per 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.

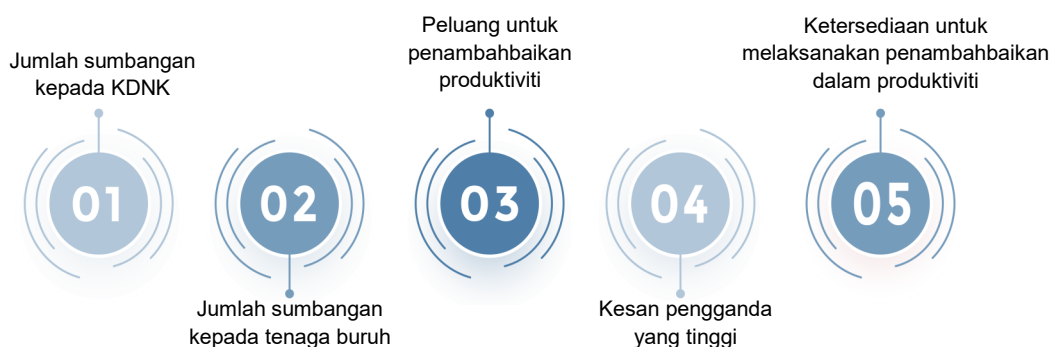
Nilai ditambah yang digunakan adalah nilai pada harga malar di mana ia merujuk kepada nilai barangan dan perkhidmatan pada harga asas tahun 2015. Pekerja merujuk kepada bilangan keseluruhan pekerja dalam tempoh rujukan, manakala jumlah jam bekerja ialah agregat sebenar jam bekerja dalam tempoh rujukan.

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 semata-mata berdasarkan STB kerana komponen pekerja produktiviti buruh telah mengambil kira penyelarasan sumber data penawaran dan permintaan buruh.

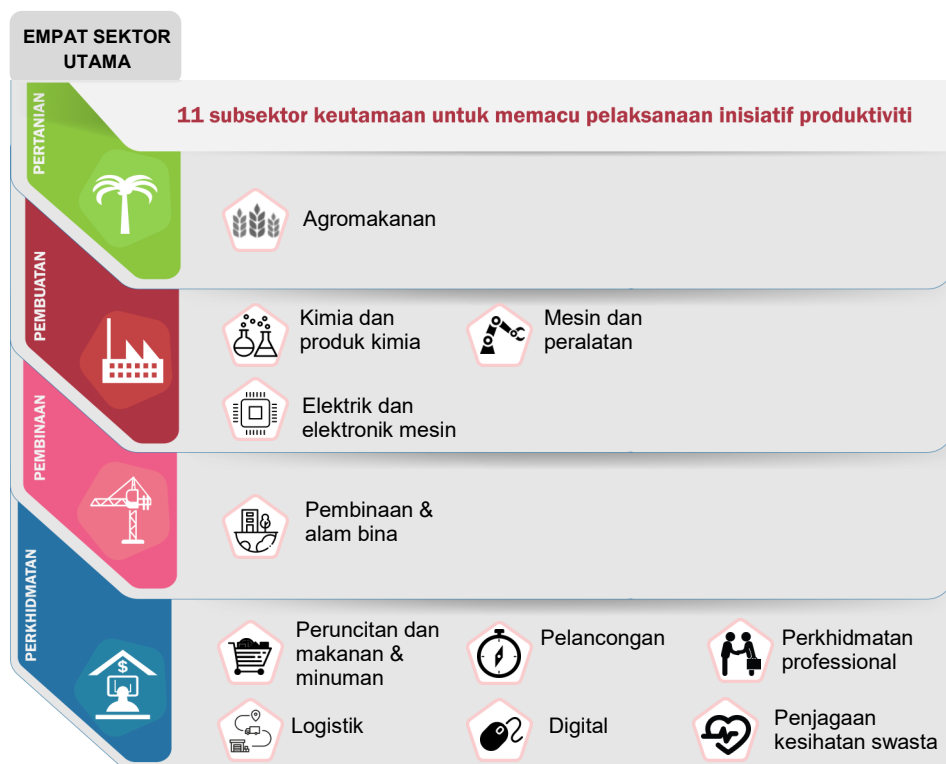
11 SUBSEKTOR KEUTAMAAN

Salah satu strategi nasional untuk memacu pertumbuhan dan perkembangan ekonomi secara berterusan adalah melalui kerjasama industri di Malaysia. Selari dengan ini, 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. Mulai 2023, sebanyak dua subsektor keutamaan baharu diperkenalkan iaitu Pembinaan & alam bina dan Logistik, menjadikan jumlah subsektor keutamaan sebanyak 11, manakala bilangan sektor utama turut bertambah iaitu Pertanian, Pembuatan, Pembinaan, dan Perkhidmatan. Sehubungan ini juga, subsektor keutamaan Agromakanan dan Penjagaan kesihatan swasta juga telah dikaji semula [rujuk kepada jadual di muka surat 72].

11 subsektor keutamaan yang telah dikenal pasti adalah Agromakanan; Kimia dan produk kimia; Elektrik dan elektronik; Mesin dan peralatan; Pembinaan & alam bina; Peruncitan dan makanan & minuman; Logistik; Pelancongan; Digital; Perkhidmatan professional; dan Penjagaan kesihatan swasta. Pemilihan 11 subsektor ini berikutan sumbangan sebanyak 30 peratus kepada Keluaran Dalam Negeri Kasar (KDNK) Malaysia dan 40 peratus kepada jumlah pekerja.



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



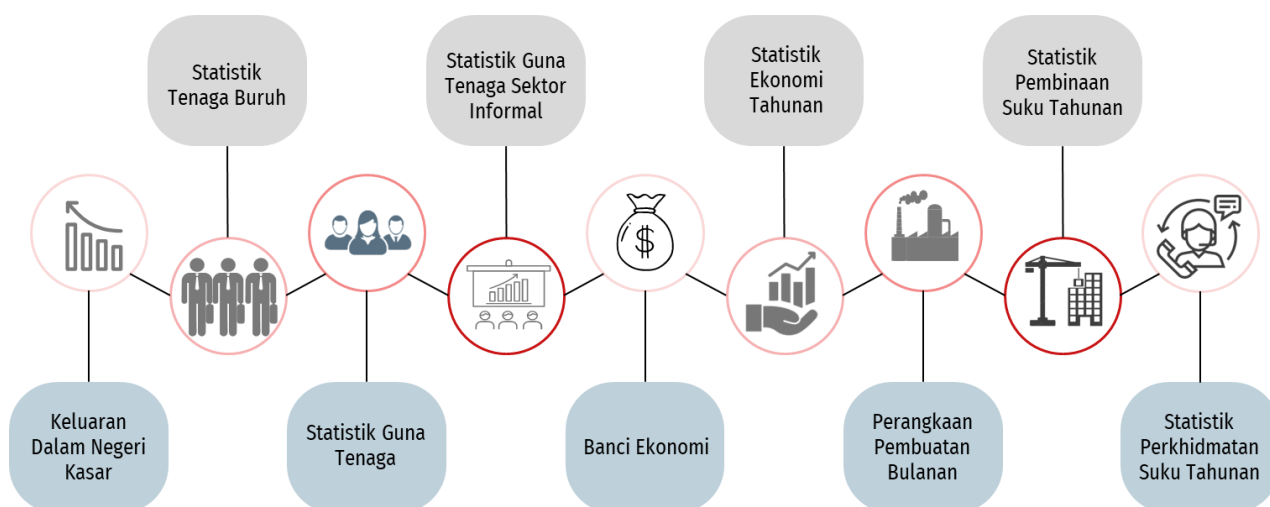
Klasifikasi 11 subsektor keutamaan yang telah ditentukan menggunakan MSIC 2008 Ver. 1.0 adalah seperti yang ditunjukkan di bawah.

Klasifikasi 11 subsektor keutamaan menggunakan MSIC 2008 Ver. 1.0

MSIC	KETERANGAN
AGROMAKANAN	
011	Penanaman tanaman tidak kekal*
012	Penanaman tanaman kekal**
013	Pembiakan tumbuhan
014	Pengeluaran ternakan
015	Pertanian campuran
03	Perikanan dan akuakultur
	* tidak termasuk: 01150
	** 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
MESIN DAN PERALATAN	
28	Pembuatan jentera dan peralatan t.t.t.l.
PEMBINAAN & ALAM BINA	
41	Pembinaan bangunan
42	Kejuruteraan awam
43	Aktiviti pembinaan pertukangan khas
PERUNCITAN, MAKANAN DAN MINUMAN	
47	Perdagangan runcit, kecuali kenderaan bermotor dan motosikal
56	Aktiviti perkhidmatan makanan dan minuman
LOGISTIK	
49	Pengangkutan darat dan pengangkutan melalui saluran paip ⁺
50	Pengangkutan air ⁺⁺
51	Pengangkutan udara [#]
52	Penggudangan dan aktiviti sokongan untuk pengangkutan ^{##}
53	Perkhidmatan pos dan kurier
	⁺ hanya termasuk: 49120, 49230, 49300
	⁺⁺ hanya termasuk: 50121, 50122, 50220
	[#] hanya termasuk: 51201, 51202, 51203
PELANCONGAN	
55	Penginapan
79	Agensi pengembaraan, operator pelancongan, khidmat penempahan dan aktiviti berkaitan
90	Aktiviti kesenian, hiburan dan kreatif
91	Aktiviti perpustakaan, arkib, muzium dan kebudayaan lain
93	Aktiviti sukan dan aktiviti hiburan dan rekreasi
DIGITAL	
58	Aktiviti penerbitan
59	Aktiviti penerbitan wayang gambar, 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
PERKHIDMATAN PROFESIONAL	
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
PENJAGAAN KESIHATAN SWASTA	
86	Aktiviti kesihatan kemanusiaan
87	Aktiviti rumah penjagaan

SUMBER DATA

Sumber data utama penerbitan ini terdiri daripada statistik yang diterbitkan 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 2019 hingga suku pertama 2023 disusun berdasarkan anggaran Keluaran Dalam Negeri Kasar, jam bekerja dan pekerja. Statistik pekerja telah diselaraskan berdasarkan data terkini banci dan survei yang dilaksanakan oleh DOSM. 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 2019 to the first quarter of 2023 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 values and annual 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 are available to the public starting in the first quarter of 2022. Labour productivity index uses 2015 as base year.

SCOPE AND COVERAGE

The compilation of labour productivity statistics comprises five main 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 and quarrying	B	Mining and 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 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

Value added 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

Employment refers to 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 were 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 hours worked for all employment during the reference period are the aggregate number of hours actually worked for a quarter. It is defined as the product of the average hours worked and the number of employment hours worked. Employment hours worked 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 or religious reasons.

$$THW = AHW \times EmpHW$$

where:

THW	Total hours 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 employee in full-time, part-time, 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.

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

where:

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

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

where:

LPHW Labour productivity per hour worked

VA Value added

THW Total hours worked

Labour productivity index

Labour productivity index (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 is measured at the reference period against the based year 2015, (2015=100).

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

where:

LP_i Index of labour productivity

O_i Output index (added value)

I_i Input index (employment or total hours 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 and 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 employment 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 at constant prices is used where it refers to the value of goods and services at 2015 prices. Employment refers to the overall number of employees in the reference period. Meanwhile, total hours worked is 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 estimations cover the entire employment according to the economic activity. Annual employment is the average quarterly employment for the year. Estimation for employment is calculated by using extrapolation method that refers to the various data sources. Meanwhile, the number of employees refers 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 are not solely based on LFS as the employment component of labour productivity has taken into account the harmonisation of labour supply and demand data sources.

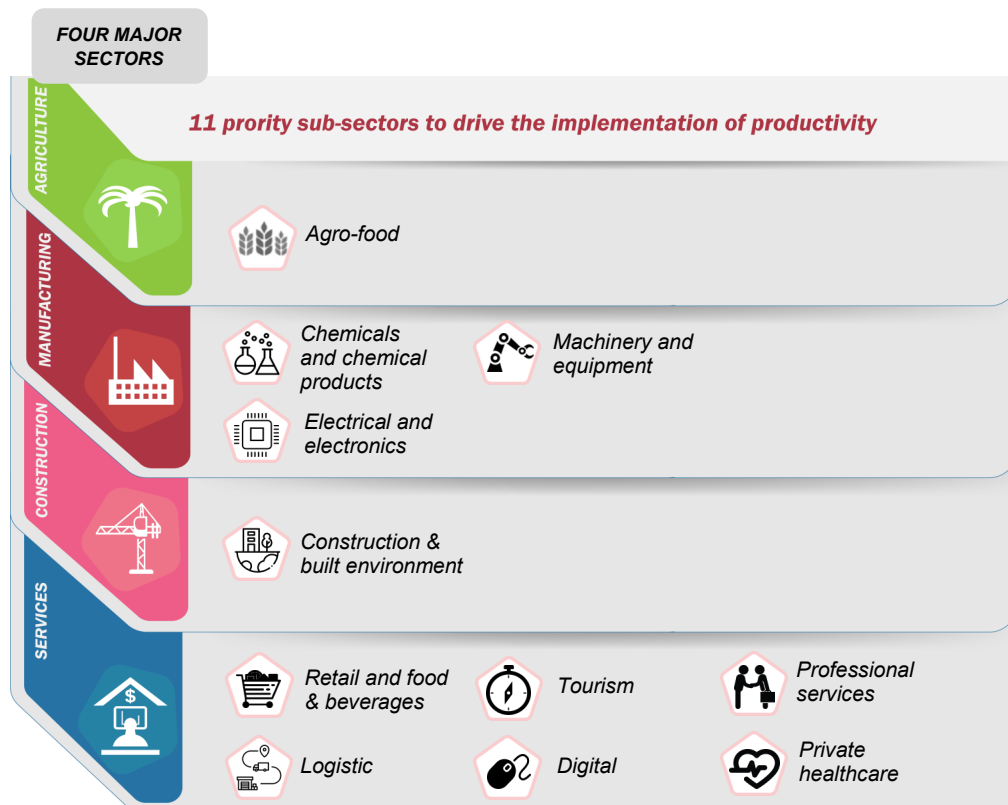
11 PRIORITY SUB-SECTORS

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. Starting 2023, two new priority sub-sectors were introduced, namely Construction & built environment and Logistics, bringing the total priority sub-sector to 11, while the number of main sectors also increased, namely Agriculture, Manufacturing, Construction, and Services. In this regard, the priority sub-sector of Agro-food and Private healthcare has also been reviewed [refer to table on page 79].

The 11 priority sub-sectors identified are Agro-food; Chemicals and chemical products; Electrical and electronics; Machinery and equipment; Construction & built environment; Retail and food & beverages; Logistic; Tourism; Digital; Professional services; and Private healthcare. Combined, the 11 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:



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



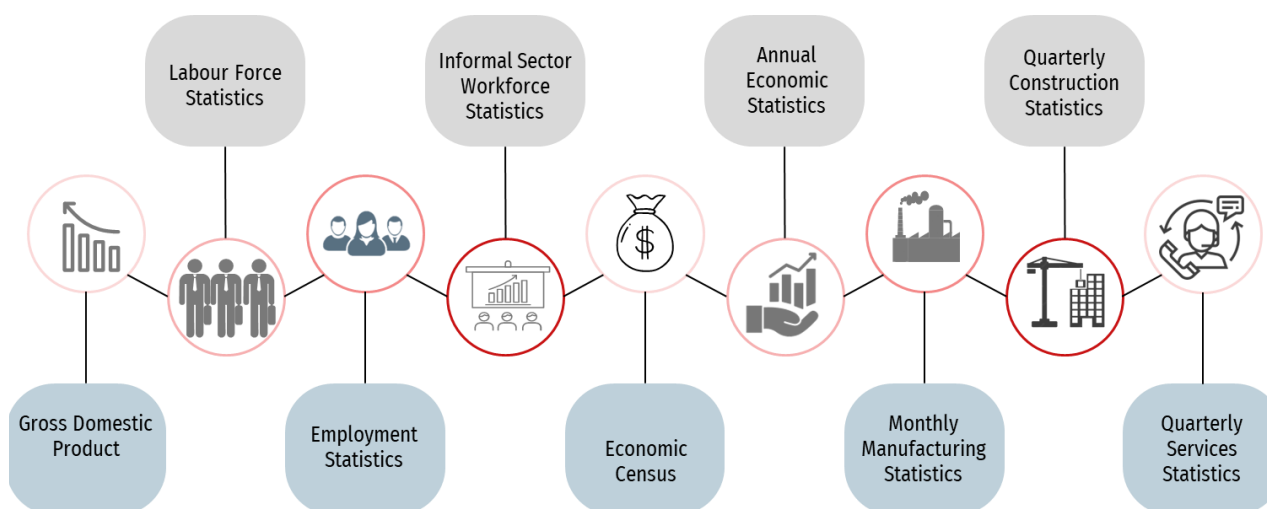
Classification of 11 priority sub-sectors is based on MSIC 2008 Ver. 1.0 as shown in table below.

Classification of 11 priority sub-sectors using MSIC 2008 Ver. 1.0

MSIC	DESCRIPTION
AGRO-FOOD	
011	Growing of non-perennial crops*
012	Growing of perennial crops**
013	Plant propagation
014	Animal production
015	Mixed farming
03	Fishing & aquaculture
* exclude: 01150	
CHEMICALS AND CHEMICAL PRODUCTS	
20	Manufacture of chemicals and chemical products
ELECTRICAL AND ELECTRONICS	
26	Manufacture of computer, electronic and optical products
27	Manufacture of electrical equipment
MACHINERY AND EQUIPMENT	
28	Manufacture of machinery and equipment n.e.c.
CONSTRUCTION & BUILT ENVIRONMENT	
41	Construction of buildings
42	Civil engineering
43	Specialized construction activities
RETAIL AND FOOD & BEVERAGES	
47	Retail trade, except of motor vehicles and motorcycles
56	Food and beverage service activities
LOGISTICS	
49	Land transport and transport via pipelines ⁺
50	Water transport ⁺⁺
51	Air transport [#]
52	Warehousing and support activities for transportation ^{##}
53	Postal and courier activities
⁺ include only: 49120, 49230, 49300	
⁺⁺ include only: 50121, 50122, 50220	
[#] include only: 51201, 51202, 51203	
^{##} exclude: 52212, 52213, 52214, 52231, 52232, 52233, 52234, 52292	
TOURISM	
55	Accommodation
79	Travel agency, tour operator, reservation service and related activities
90	Creative, arts and entertainment activities
91	Libraries, archives, museums and other cultural activities
93	Sports activities and amusement and recreation activities
DIGITAL	
58	Publishing activities
59	Motion picture, video and television programme production, sound recording and music publishing
60	Programming and broadcasting activities
61	Telecommunications
62	Computer programming, consultancy and related activities
63	Information service activities
PROFESSIONAL SERVICES	
69	Legal and accounting activities
70	Activities of head offices; management consultancy activities
71	Architectural and engineering activities; technical testing and analysis
72	Scientific research and development
73	Advertising and market research
74	Other professional, scientific and technical activities
75	Veterinary activities
PRIVATE HEALTHCARE	
86	Human health activities
87	Residential aged care

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 presented in this publication from the first quarter 2019 to first quarter 2023 are compiled based on the 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 DOSM. Revision of statistics on labour productivity are subject to any revision on the statistics of value added, hours worked and employment.

**PENERBITAN INI BOLEH JUGA DIPEROLEH DI JABATAN PERANGKAAN NEGERI SEPERTI BERIKUT:
THIS PUBLICATION IS ALSO AVAILABLE AT THE FOLLOWING STATES DEPARTMENT OF STATISTICS:**

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Tingkat 3, Blok A, Bangunan Persekutuan Ipoh,
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Pengarah,
Jabatan Perangkaan Malaysia Negeri Selangor,
Tingkat 9, Bangunan Darul Ehsan,
Jalan Indah, Seksyen 14,
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Jabatan Perangkaan Malaysia Negeri Terengganu,
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Tingkat 1-3, Blok C,
Kompleks Pentadbiran Kerajaan Persekutuan Sabah,
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Pengarah,
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