



**KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA**

PRODUKTIVITI BURUH

LABOUR PRODUCTIVITY

SUKU PERTAMA 2024

FIRST QUARTER 2024

Pemakluman

Jabatan Perangkaan Malaysia (DOSM) telah melancarkan OpenDOSM NextGen sebagai medium yang menyediakan katalog data dan visualisasi bagi memudahkan pengguna menganalisis pelbagai data dan boleh diakses melalui portal <https://open.dosm.gov.my>.

DOSM akan menjalankan Banci Pertanian pada tahun 2024. Sila layari <https://www.myagricensus.gov.my> untuk maklumat lanjut. Tema adalah “Banci Pertanian, Kunci Kemajuan Pertanian.”

Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (MyStats Day) pada 20 Oktober setiap tahun. Tema sambutan MyStats Day adalah “Statistik Nadi Kehidupan”. DOSM menyambut ulang tahun ke 75 Jubli Intan pada tahun 2024.

Announcement

The Department of Statistics Malaysia (DOSM) has launched OpenDOSM NextGen as a medium that provides a catalog of data and visualisations to facilitate users' analysis of various data and can be accessed through <https://open.dosm.gov.my>.

DOSM will conduct the Agricultural Census in 2024. Please visit <https://www.myagricensus.gov.my> for more information. The theme is “Agriculture Census, Key to Agriculture Development.”

The Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20th each year. MyStats Day theme is “Statistics is the Essence of Life”. DOSM commemorates its 75th Diamond Jubilee in 2024

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KATA PENGANTAR

Penerbitan ini memaparkan statistik suku tahunan produktiviti buruh di Malaysia bagi suku pertama 2024. 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 2020 hingga suku pertama 2024. Anggaran nilai ditambah pada harga malar dinilai pada harga asas 2015 selaras dengan pengasasan semula Statistik Akaun Negara.

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

Terdapat empat bahagian di dalam penerbitan ini. Bahagian pertama memaparkan ringkasan penemuan utama statistik produktiviti buruh. Jadual perangkaan terperinci dipaparkan di bahagian kedua 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 2024



PREFACE

*This publication presents quarterly labour productivity statistics in Malaysia for first quarter of 2024. 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 2020 to the first quarter of 2024. The value added estimates in constant prices are expressed in 2015 prices in tandem with the rebasing of National Accounts Statistics.

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

This publication is divided into four sections. The first section presents the summary of findings of the statistics on labour productivity. The second section of this publication provides detailed statistical tables with labour productivity indices in 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 2024



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1

RINGKASAN PENEMUAN

Summary of Findings



KEMENTERIAN EKONOMI
JABATAN PERANGKAAAN MALAYSIA

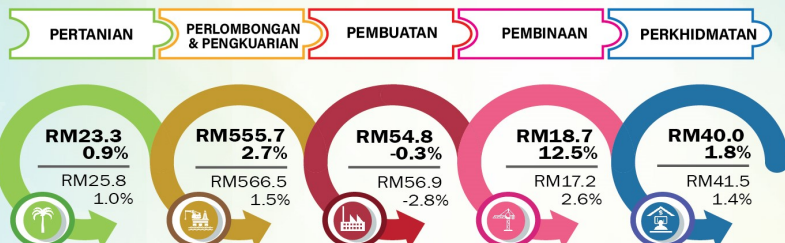


PRODUKTIVITI BURUH SUKU PERTAMA 2024

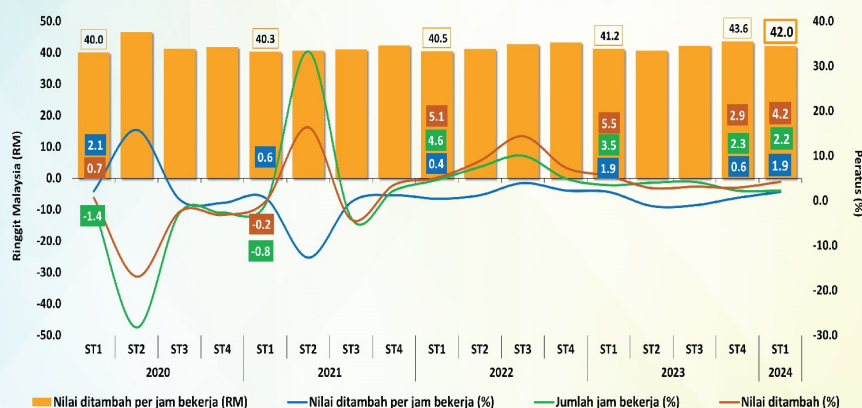


ST1'24
ST4'23

Produktiviti Buruh, Nilai Ditambah per Jam Bekerja



Produktiviti buruh per jam bekerja meningkat 1.9% pada ST1 2024 dengan mencatatkan nilai ditambah per jam bekerja sebanyak RM42.0 per jam



RM42.0 | 1.9%
RM43.6 | 0.6%



9,452 | 2.2%
9,418 | 2.3%



Produktiviti buruh per jam Bekerja



Jumlah jam bekerja (juta jam)

Produktiviti Buruh, Nilai Ditambah per Pekerja

Produktiviti buruh per pekerja pada ST1 2024 meningkat 2.0% merekodkan nilai ditambah per pekerja sebanyak RM24,230



RM24,230 | 2.0%
RM25,101 | 0.4%



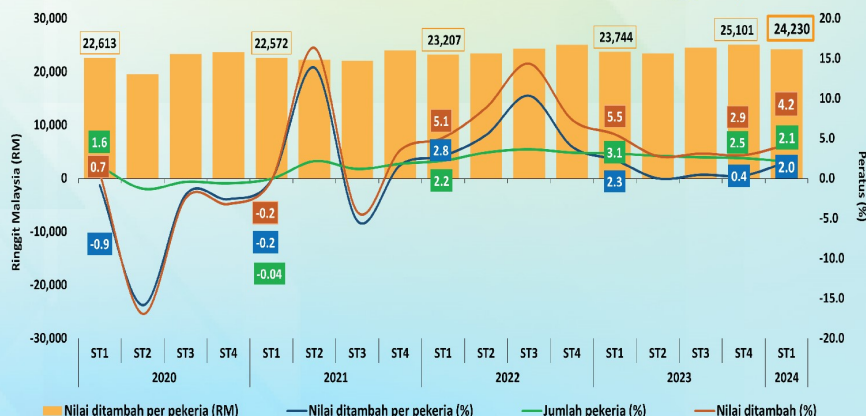
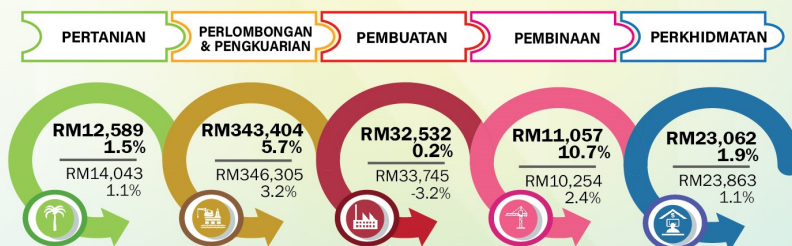
16,401 | 2.1%
16,347 | 2.5%



Produktiviti buruh per Pekerja



Jumlah pekerja ('000 orang)



% merujuk kepada perubahan tahunan daripada suku yang sama pada tahun sebelumnya

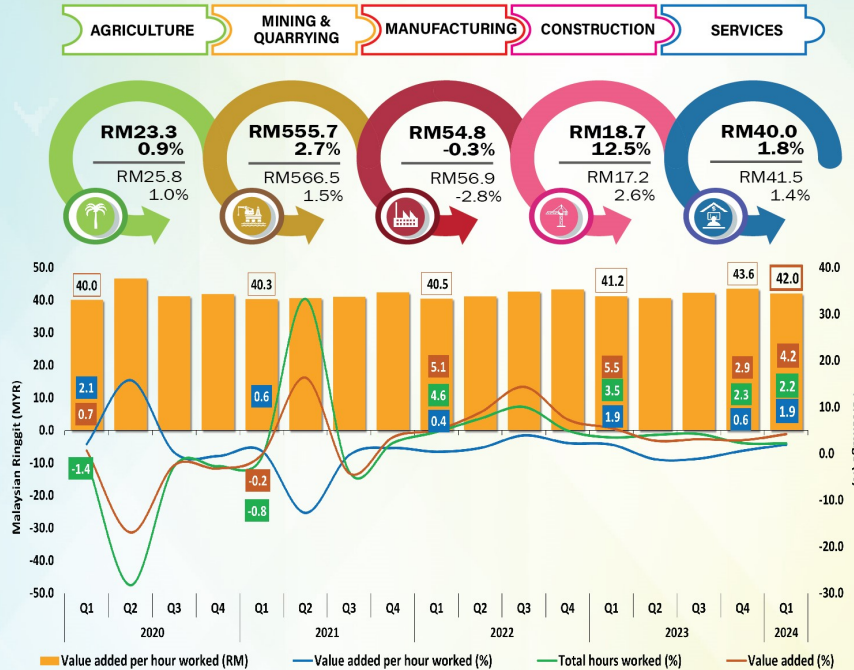
SUMBER: PRODUKTIVITI BURUH, SUKU PERTAMA 2024, JABATAN PERANGKAAAN MALAYSIA (DOSM)



LABOUR PRODUCTIVITY OF FIRST QUARTER 2024

Q1'24
Q4'23

Labour Productivity, Value Added per Hour Worked



Labour productivity per hour worked in Q1 2024 increased 1.9% to record value added per hour worked at RM42.0 per hour

RM42.0 | 1.9%
RM43.6 | 0.6%

9,452 | 2.2%
9,418 | 2.3%

Labour Productivity per hour worked
Total hours worked (million hours)

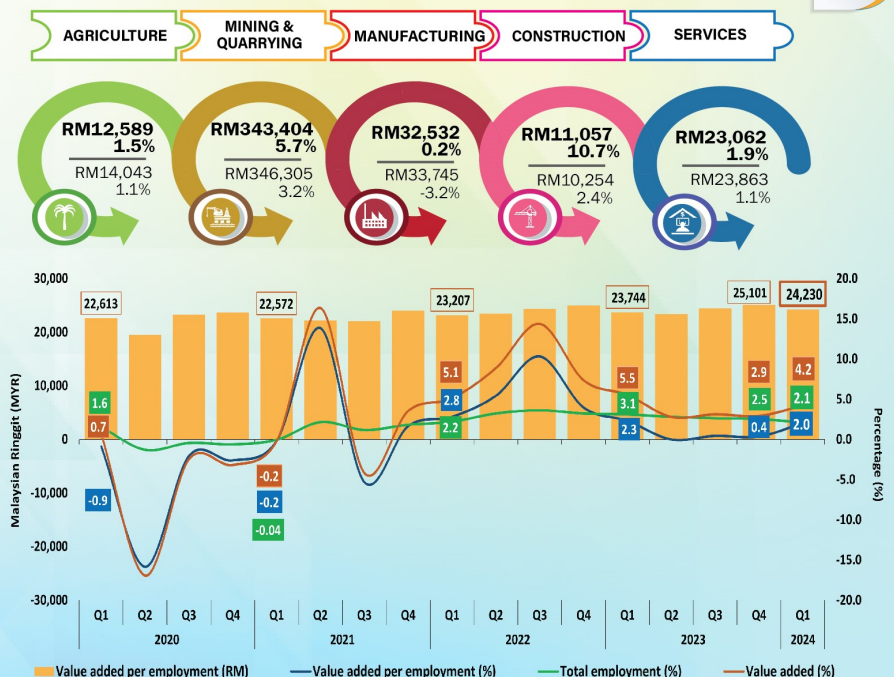
Labour Productivity, Value Added per Employment

Labour productivity per employment in Q1 2024 grew 2.0% to post value added per employment at RM24,230

RM24,230 | 2.0%
RM25,101 | 0.4%

16,401 | 2.1%
16,347 | 2.5%

Labour Productivity per employment
Total employment ('000 persons)



% refer to the annual percentage from the same quarter of the previous year

SOURCE: LABOUR PRODUCTIVITY, FIRST QUARTER 2024, DEPARTMENT OF STATISTICS MALAYSIA (DOSM)



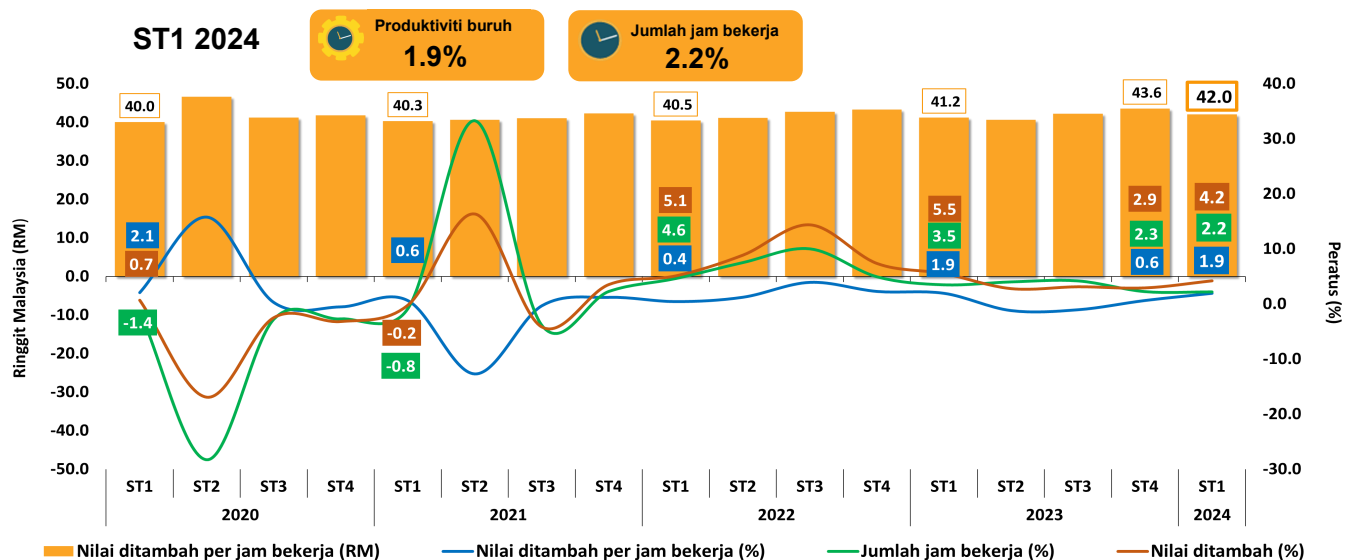
PRESTASI PRODUKTIVITI BURUH SUKU PERTAMA 2024



PRODUKTIVITI BURUH MALAYSIA

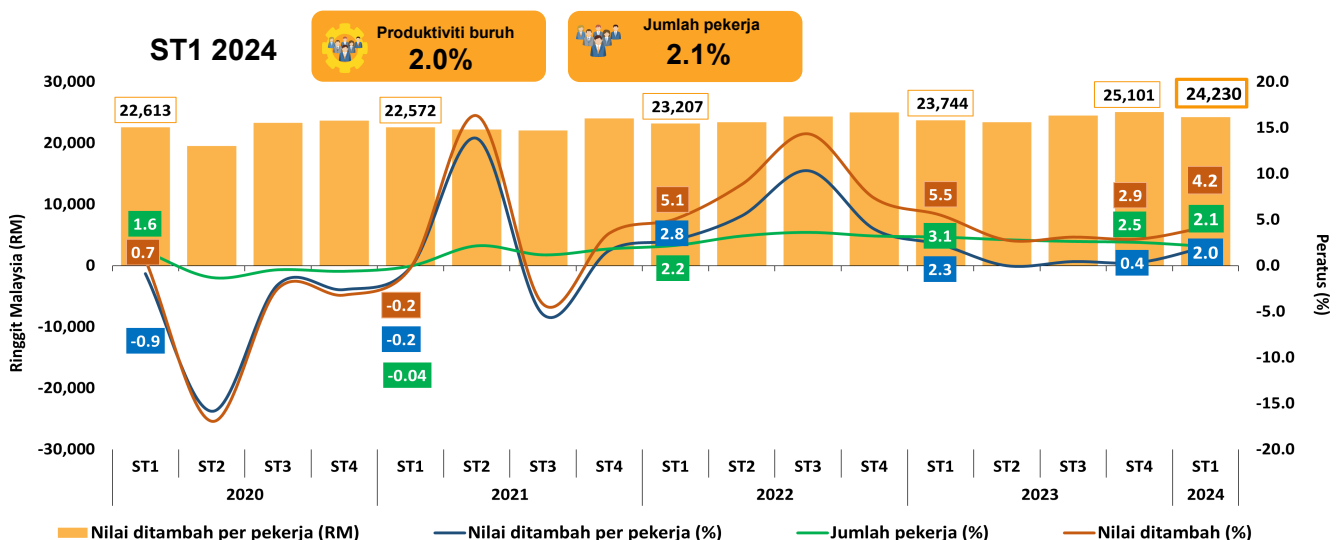
Pada suku pertama tahun 2024, **produktiviti buruh Malaysia** yang juga dikenali sebagai **nilai ditambah per jam bekerja meningkat 1.9 peratus** atau **RM42.0 per jam** (ST4 2023: 0.6%; RM43.6 per jam). Pada suku tahun yang sama, nilai ditambah meningkat sebanyak 4.2 peratus, mencecah kepada RM397 bilion, berbanding 2.9 peratus (ST4 2023: RM410 bilion). Pertumbuhan nilai ditambah ini membawa kepada kadar pertumbuhan bagi jumlah jam bekerja yang lebih perlahan pada 2.2 peratus berbanding dengan 2.3 peratus pada suku tahun keempat 2023. Manakala, purata jam bekerja menunjukkan peningkatan kepada 0.1 peratus daripada negatif 0.2 peratus pada suku tahun sebelumnya. [Carta 1]

Carta 1: Produktiviti buruh per jam bekerja dan jumlah jam bekerja, perubahan peratusan tahunan, ST1 2020 - ST1 2024



Sementara itu, **produktiviti buruh per pekerja menunjukkan pertumbuhan yang semakin bertambah** selepas mencatatkan **2.0 peratus** kepada **RM24,230 per pekerja** (ST4 2023: 0.4%; RM25,101 per pekerja), Manakala, jumlah bilangan pekerja berkembang secara perlahan pada kadar 2.1 peratus, mencapai jumlah keseluruhan sebanyak 16,401 ribu orang berbanding dengan 2.5 peratus pada suku tahun keempat 2023 (16,347 ribu orang). [Carta 2]

Carta 2: Produktiviti buruh per pekerja dan jumlah pekerja, perubahan peratusan tahunan, ST1 2020 - ST1 2024





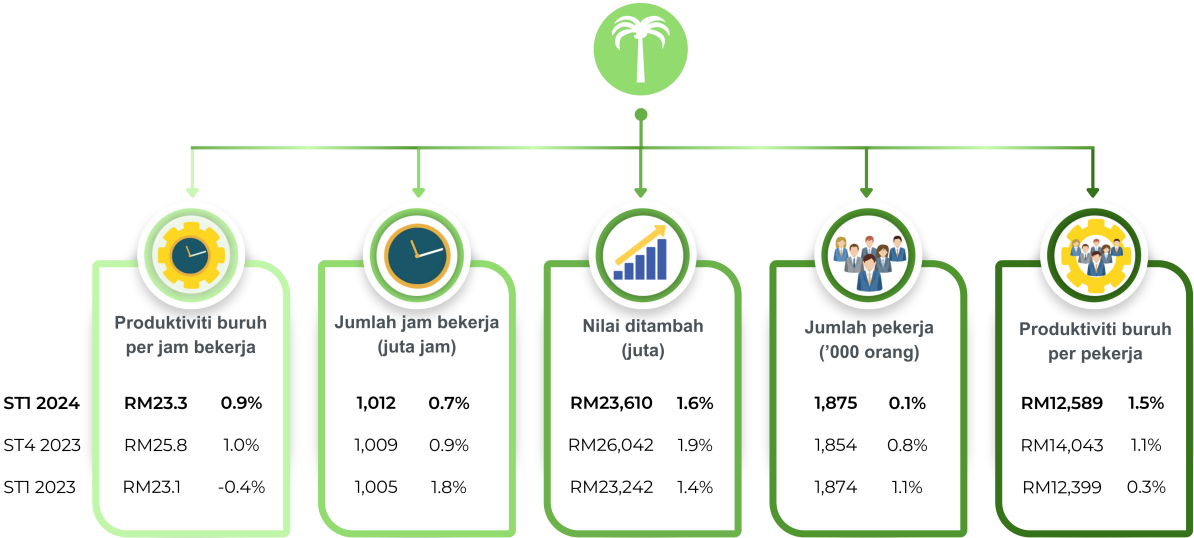
PERTANIAN

Bagi **sektor Pertanian**, **produktiviti buruh per jam bekerja meningkat kepada 0.9 peratus** berbanding dengan 1.0 peratus pada suku tahun keempat 2023. Peningkatan pertumbuhan ini selari dengan kenaikan pada nilai ditambah sebanyak 1.6 peratus, dengan jumlah keseluruhan RM23.6 billion berbanding suku tahun sebelumnya (ST4 2023: 1.9%; RM26.0 billion). Pada masa yang sama, jumlah jam bekerja mengalami pertumbuhan perlahan sebanyak 0.7 peratus, berjumlah 1,012 juta jam (ST4 2023: 0.9%; 1,009 juta jam), sementara purata jam bekerja menunjukkan pertumbuhan 0.5 peratus, mencapai 41.6 jam per minggu. (ST4 2023: 0.1%; 41.9 jam per minggu). **[Paparan 1]**

Produktiviti buruh per pekerja meningkat kepada 1.5 peratus berbanding 1.1 peratus pada suku tahun keempat 2023. Seajar dengan ini, jumlah pekerja juga mengalami peningkatan sederhana sebanyak 0.1 peratus dengan jumlah 1,875 ribu pekerja berbanding dengan suku tahun sebelumnya (ST4 2023: 0.8%; 1,854 ribu pekerja).

Nilai ditambah bagi per jam bekerja yang direkodkan adalah sebanyak RM23.3 per jam (ST4 2023: RM25.8 per jam), manakala **nilai ditambah per pekerja adalah sebanyak RM12,589 per pekerja** (ST4 2023: RM14,043 per pekerja).

Paparan 1: Produktiviti buruh sektor **Pertanian**: ST1 2024, ST1 & ST4 2023



Nota: % pertumbuhan berdasarkan perbandingan tahun ke tahun (YoY)



PERLOMBONGAN DAN PENGKUARIAN

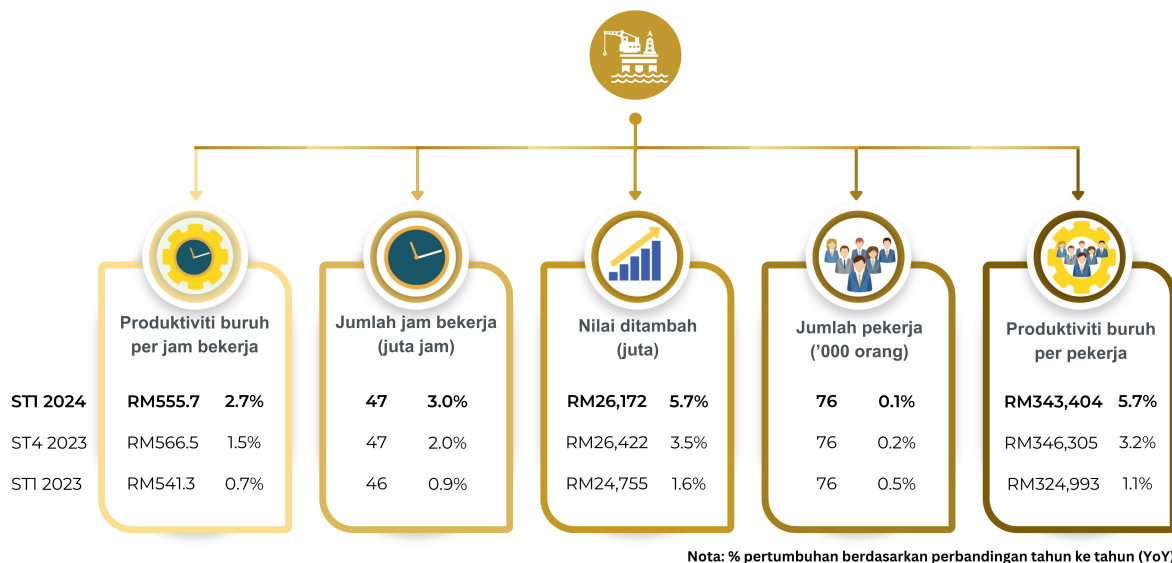
Produktiviti buruh per jam bekerja bagi sektor Perlombongan dan pengkuarian telah mengalami pertumbuhan sebanyak 2.7 peratus pada suku tahun pertama 2024, menunjukkan peningkatan daripada 1.5 peratus pada suku sebelumnya. Sektor ini juga merekodkan pertumbuhan 5.7 peratus bagi nilai ditambah, berjumlah RM26.2 bilion (ST4 2023: 3.5%; RM26.4 bilion). Jumlah jam bekerja meningkat sebanyak 3.0 peratus kepada 47.1 juta jam (ST4 2023: 2.0%; RM47.0 bilion), manakala kadar pertumbuhan bagi purata jam bekerja meningkat kepada 1.5 peratus (47.5 jam per minggu) berbanding dengan 0.7 peratus (47.6 jam per minggu) pada suku tahun keempat 2023. **[Paparan 2].**

Produktiviti buruh per pekerja berkembang sebanyak 5.7 peratus berbanding dengan 3.2 peratus pada suku tahun sebelumnya. Jumlah pekerja kekal dengan pertumbuhan positif 0.1 peratus, mencecah kepada 76.2 ribu pekerja, berbanding 0.2 peratus pada suku tahun keempat 2023 (76.3 ribu pekerja).

Dari segi nilai produktiviti buruh, **nilai ditambah per jam bekerja direkodkan sebanyak RM55.7 per jam** berbanding dengan RM56.5 per jam pada suku tahun sebelum **dan nilai ditambah per pekerja juga mencatatkan RM343,404 per pekerja** (ST4 2023: RM346,305 per pekerja).



Paparan 2: Produktiviti buruh sektor Perlombongan dan pengkuarian: ST1 2024, ST1 & ST4 2023



PEMBUATAN

Nilai ditambah bagi **sektor Pembuatan naik kepada 1.9 peratus** pada suku tahun terkini dengan **jumlah RM91,727 juta**, berbanding negatif 0.3 peratus dan RM95,261 juta pada suku tahun keempat 2023. Sehubungan dengan itu, **produktiviti buruh per jam bekerja bagi sektor ini mengalami pertumbuhan negatif yang lebih kecil kepada 0.3 peratus dan RM54.8 per jam** selepas mencatatkan negatif 2.8 peratus (ST4 2023: RM56.9 per jam bekerja). Sementara itu, jumlah jam bekerja mencatatkan sebanyak 1,674 juta jam dengan pertumbuhan 2.3 peratus (ST4 2023: 2.6%; 1,674 juta jam). Purata jam bekerja turut menunjukkan pertumbuhan positif sebanyak 0.7 peratus dengan 45.9 jam per minggu direkodkan pada suku tahun ini (ST4 2023: -0.4%; 45.8 jam per minggu). **[Paparan 3]**

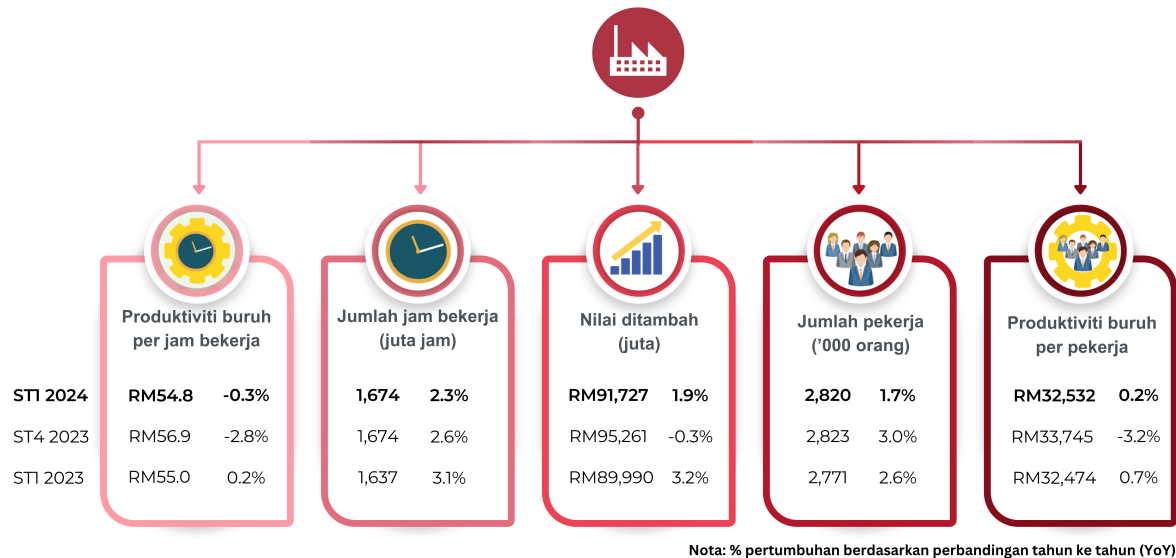
Terdapat empat subsektor yang mengalami pertumbuhan positif dalam produktiviti buruh per jam bekerja. Ini termasuk Produk mineral bukan logam, logam asas dan produk logam yang direka sebanyak 6.1 peratus (ST4 2023: 2.7%); Produk tekstil, pakaian dan kulit sebanyak 3.1 peratus (ST4 2023: 1.5%); Peralatan pengangkutan, pembuatan lain dan pembaikan sebanyak 2.8 peratus (ST4 2023: 1.2%) dan Produk kayu, perabot, keluaran kertas dan percetakan selepas mencatatkan pertumbuhan sebanyak 2.3 peratus (ST4 2023: 0.1%).

Produktiviti buruh per pekerja menunjukkan prestasi yang sama selepas mencatatkan 0.2 peratus dengan RM32,532 per pekerja, berbanding negatif 3.2 peratus dan RM33,745 per pekerja pada suku tahun sebelumnya. Sementara itu, jumlah pekerja mencatatkan pertumbuhan yang lebih perlahan sebanyak 1.7 peratus dan 2,820 ribu pekerja (ST4 2023: 3.0%; 2,823 ribu pekerja).

Manakala, lebih separuh daripada subsektor pembuatan menunjukkan pertumbuhan positif bagi produktiviti buruh per pekerja, termasuk Produk mineral bukan logam, logam asas dan produk logam yang direka dengan pertumbuhan sebanyak 5.1 peratus (ST4 2023: 2.8%); Minuman dan produk tembakau dengan 4.7 peratus (ST4 2023: 2.1%); Peralatan pengangkutan, pembuatan lain dan pembaikan dengan 2.3 peratus (ST4 2023: 1.9%); Produk kayu, perabot, keluaran kertas dan percetakan dengan 0.9 peratus (ST4 2023: -1.9%) dan yang terakhir, Produk elektrik, elektronik dan optikal dengan 0.8 peratus (ST4 2023: -7.3%).



Paparan 3: Produktiviti buruh sektor Pembuatan: ST1 2024, ST1 & ST4 2023



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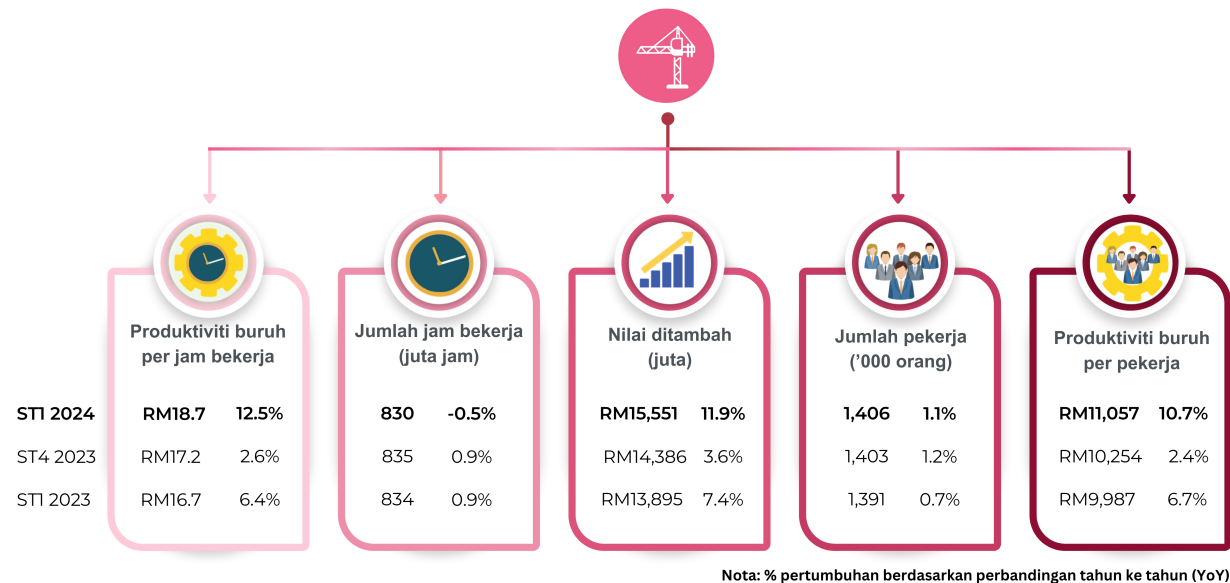


PEMBINAAN

Produktiviti buruh per jam bekerja bagi sektor Pembinaan melonjak kepada pertumbuhan positif dua digit pada kadar 12.5 peratus selepas mencatatkan RM18.7 per jam berbanding dengan 2.6 peratus dan RM17.2 per jam pada suku tahun sebelum. Secara khususnya, pertumbuhan ini adalah disebabkan oleh peningkatan nilai ditambah pada suku tahun ini sebanyak 11.9 peratus yang berjumlah RM15,551 juta (ST4 2023: 3.6%; RM14,386 juta). Namun, jumlah jam bekerja turun kepada negatif 0.5 peratus selepas mencatatkan 830 juta jam berbanding dengan 0.9 peratus (ST4 2023: 835 juta jam), dengan purata jam bekerja turut menurun kepada negatif 1.7 peratus dan 45.6 jam seminggu (ST4 2023: -0.2%; 45.9 jam seminggu). [Paparan 4]

Satu lagi prestasi yang baik telah ditunjukkan bagi produktiviti buruh per pekerja selepas mencatatkan pertumbuhan sebanyak 10.7 peratus pada suku tahun ini dengan RM11,057 per pekerja (ST4 2023: 2.4%; RM10,254 per pekerja). Sementara itu, jumlah pekerja berkembang secara sederhana sebanyak 1.1 peratus dan 1,406 ribu pekerja berbanding dengan 1.2 peratus dan 1,403 ribu pekerja dalam suku tahun sebelumnya.

Paparan 4: Produktiviti buruh sektor Pembinaan: ST1 2024, ST1 & ST4 2023



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PERKHIDMATAN

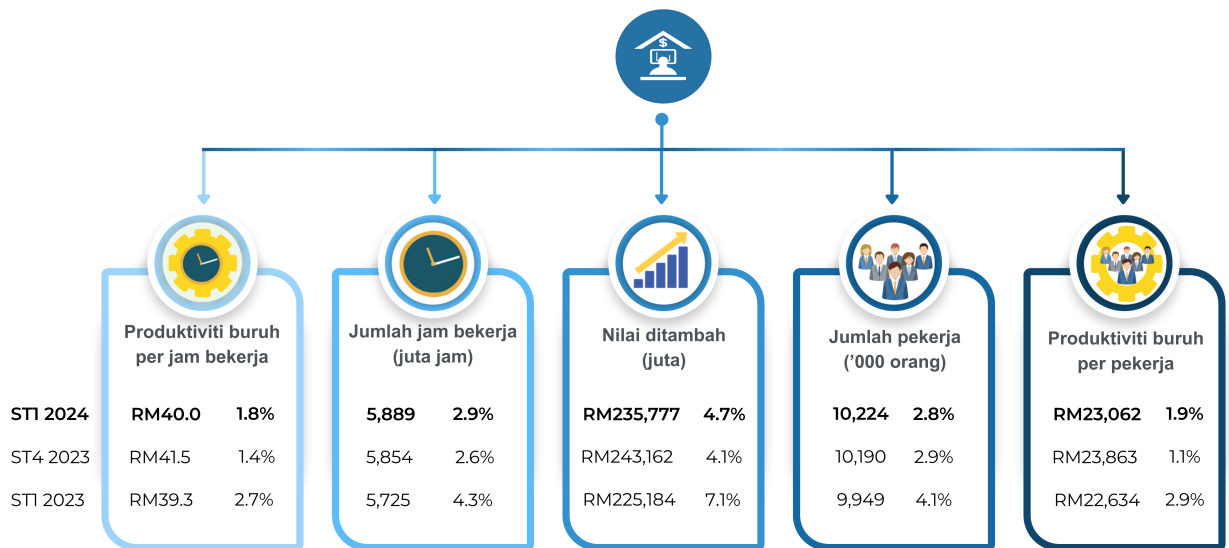
Sektor Perkhidmatan meningkat kepada 1.8 peratus bagi produktiviti buruh per jam bekerja sepanjang suku pertama tahun 2024 dengan **RM40.0 per jam** (ST4 2023: 1.4%; RM41.5 per jam). Pertumbuhan marginal sebanyak 4.7 peratus direkodkan untuk nilai ditambah, mencapai RM235,777 juta berbanding dengan 4.1 peratus dan RM243,162 juta pada ST4 2023. Jumlah jam bekerja juga meningkat kepada 2.9 peratus dan 5,889 juta jam (ST4 2023: 2.6%; 5,854 juta jam), manakala purata jam bekerja menunjukkan pertumbuhan positif sebanyak 0.2 peratus selepas mencatatkan 44.6 jam per minggu (ST4 2023: -0.2%; 44.5 jam per minggu). **[Paparan 5]**

Majoriti subsektor Perkhidmatan bagi produktiviti buruh per jam bekerja meningkat daripada suku tahun sebelumnya, kecuali bagi Maklumat dan komunikasi dan Kewangan dan insurans yang mana masing-masing mencatatkan penurunan sebanyak 1.8 peratus (ST4 2023: 3.2%) dan negatif 9.0 peratus (ST4 2023: -13.5%).

Pada masa yang sama, **produktiviti buruh per pekerja meningkat sebanyak 1.9 peratus dengan mencatatkan RM23,062 per pekerja** (ST4 2023: 1.1%; RM23,863 per pekerja), dengan jumlah pekerja meningkat secara sederhana sebanyak 2.8 peratus dan 10,224 ribu pekerja berbanding dengan 2.9 peratus dan 10,190 ribu pekerja pada suku tahun sebelumnya..

Selain itu, bagi produktiviti buruh per pekerja, semua subsektor menunjukkan prestasi yang baik ekoran majoriti subsektor mengalami pertumbuhan positif, kecuali Makanan & minuman dan penginapan yang menunjukkan penurunan negatif lebih perlahan sebanyak 0.4 peratus, berbanding dengan negatif 3.6 peratus dan Kewangan dan insurans pada negatif 1.3 peratus (ST4 2023: -6.6%).

Paparan 5: Produktiviti buruh sektor Perkhidmatan: ST1 2024, ST1 & ST4 2023



Nota: % pertumbuhan berdasarkan perbandingan tahun ke tahun (YoY)



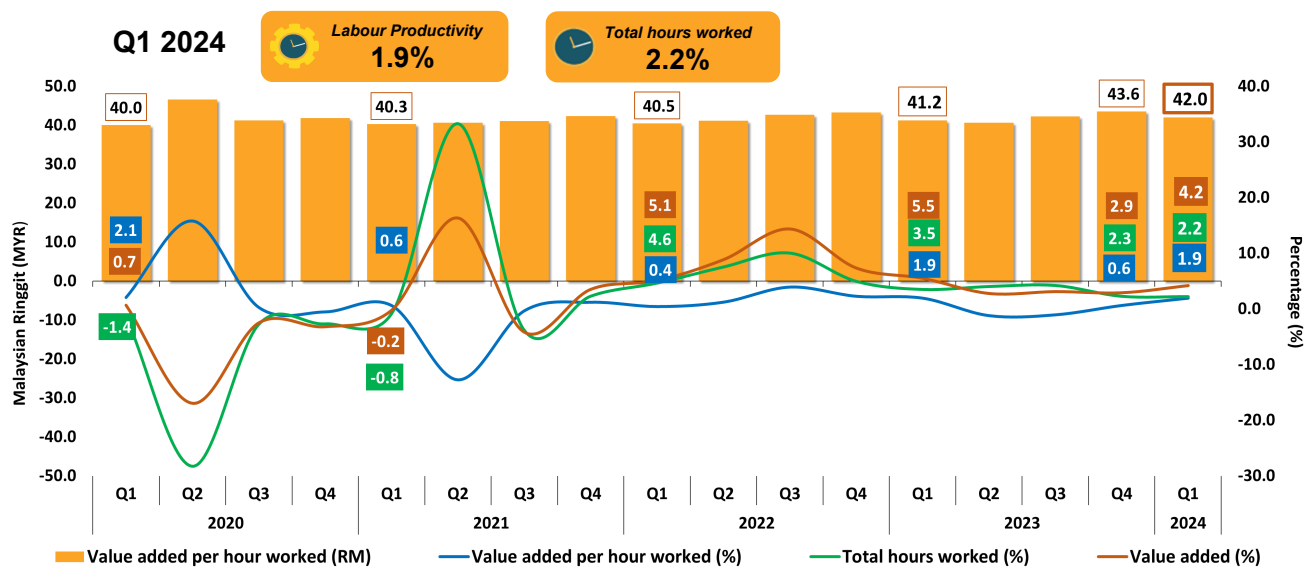
LABOUR PRODUCTIVITY PERFORMANCE OF FIRST QUARTER 2024



MALAYSIA'S LABOUR PRODUCTIVITY

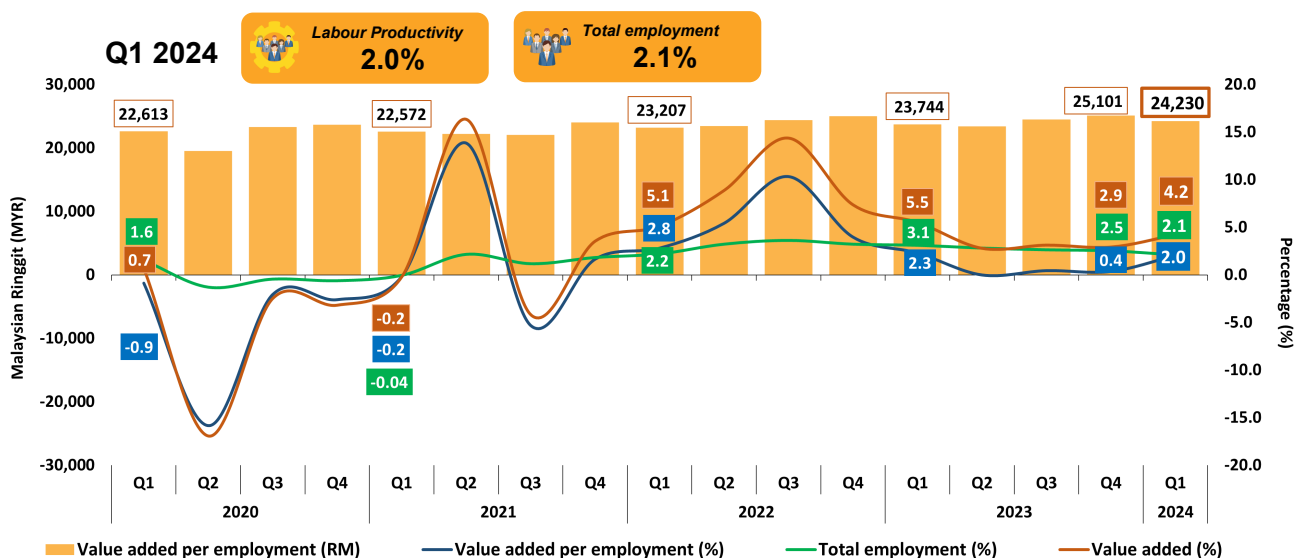
In the first quarter of 2024, **Malaysia's labour productivity** also known as **value added per hour worked** grew **1.9 per cent** or **RM42.0 per hour** (Q4 2023: 0.6%; RM43.6 per hour). During the same period, value added increased 4.2 per cent to reach RM397 billion, compared to 2.9 per cent (Q4 2023: RM410 billion). The marginal growth in value added resulted in a 2.2 per cent increase in total hours worked, compared to the 2.3 per cent growth observed in the fourth quarter of 2023. Meanwhile, average hours worked showed a positive growth of 0.1 per cent from a negative 0.2 per cent during the previous quarter. **[Chart 1]**

Chart 1: Labour productivity per hour worked and total hours worked, annual percentage change, Q1 2020 – Q1 2024



In the meantime, **labour productivity per employment** showed an increment after registering **2.0 per cent** to **RM24,230 per person** (Q4 2023: 0.4%; RM25,101 per person). Meanwhile, the total number of employees continued to rise slowly, growing at a rate of 2.1 per cent, totalling 16,401 thousand persons compared to the 2.5 per cent growth in the fourth quarter of 2023 (16,347 thousand persons). **[Chart 2]**

Chart 2: Labour productivity per employment and total employment, annual percentage change, Q1 2020 – Q1 2024





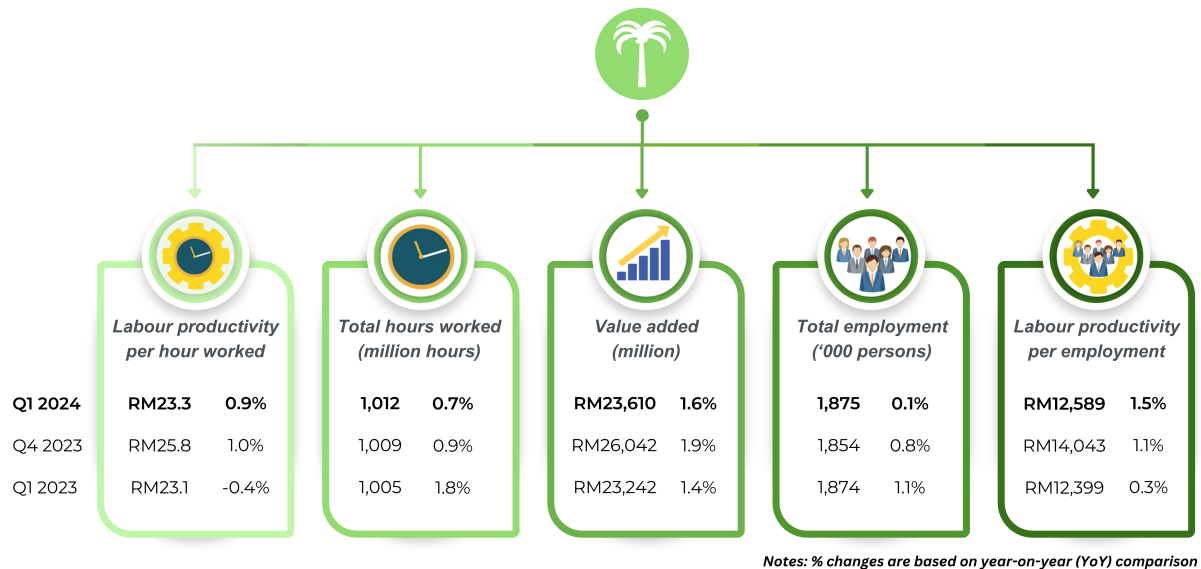
AGRICULTURE

In the Agricultural sector, **labour productivity per hour worked, increased by 0.9 per cent** compared to 1.0 per cent in the first quarter of 2024. The increase in labour productivity per hour worked during this quarter coincided with a rise in value added, which surged to 1.6 per cent, to reach RM23.6 billion compared to the previous quarter (Q4 2023: 1.9%; RM26.0 billion). At the same time, the total number of hours worked grew at a slower rate of 0.7 per cent to 1,012 million hours (Q4 2023: 0.9%; 1,009 million hours), while the average hours worked increased by 0.5 per cent, reaching 41.6 hours per week (Q4 2023: 0.1%; 41.9 hours per week). **[Exhibit 1]**

Labour productivity in terms of value added per employment increased by 1.5 per cent, compared to 1.1 per cent in the fourth quarter of 2023. Simultaneously, total employment also experienced growth at 0.1 per cent to 1,875 thousand persons (Q4 2023: 0.8%; 1,854 thousand persons).

The recorded **value added per hour worked stood at RM23.3 per hour** (Q4 2023: RM25.8 per hour), while the **value added per employment amounted to RM12,589 per person** (Q4 2023: RM14,043 per person).

Exhibit 1: Labour productivity of Agriculture sector: Q1 2024, Q1 & Q4 2023



MINING & QUARRYING

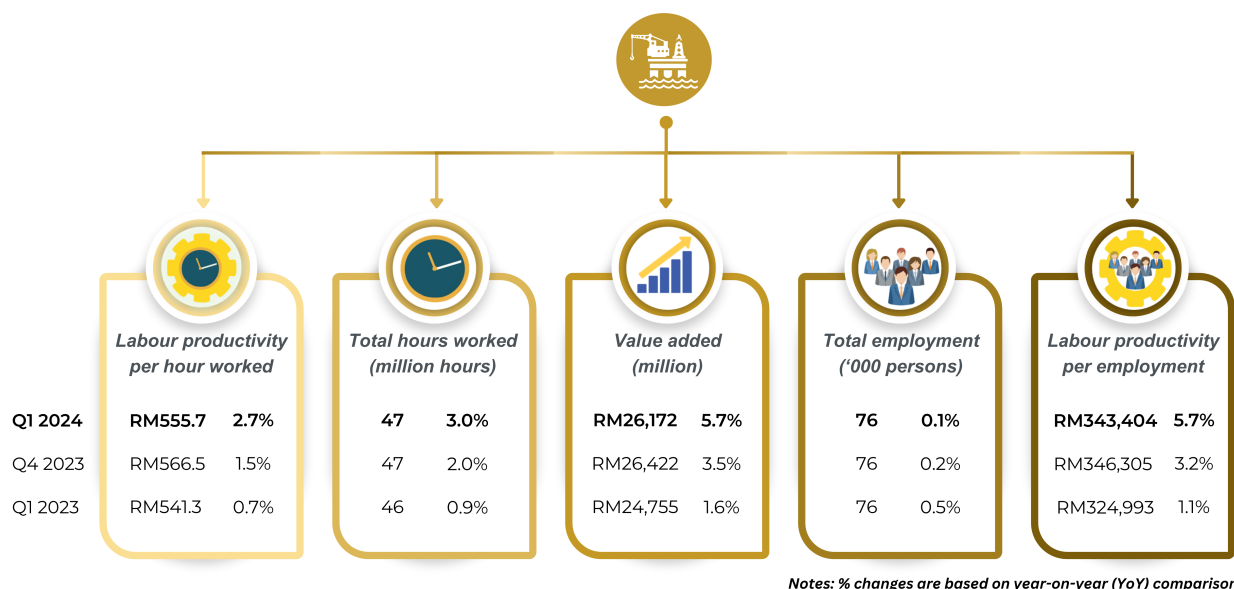
Labour productivity per hour worked in the Mining and quarrying sector experienced growth at 2.7 per cent in the first quarter of 2024, representing an increment from 1.5 per cent in the previous quarter. The sector also recorded a 5.7 per cent growth in its value added, to reach RM26.2 billion (Q4 2023: 3.5%; RM26.4 billion). Total hours worked increased by 3.0 per cent to 47.1 million hours (Q4 2023: 2.0%; 47.0 million hours), while the growth rate for average hours worked increased to 1.5 per cent (47.5 hours per week) compared to 0.7 per cent (47.6 hours per week) in the fourth quarter of 2023. **[Exhibit 2]**

Labour productivity per employment, expanded by 5.7 per cent compared to the 3.2 per cent in the previous quarter. The total employment maintained a positive growth rate of 0.1 per cent, reaching 76.2 thousand persons, compared to the 0.2 per cent growth in the fourth quarter of 2023 (76.3 thousand persons).

In terms of labour productivity, the **value added per hour worked was recorded as RM555.7 per hour** compared to RM566.5 per hour in the previous quarter and the **value added per employment stood at RM343,404 per person** (Q4 2023: RM346,305 per person).



Exhibit 2: Labour productivity of Mining and quarrying sector: Q1 2024, Q1 & Q4 2023



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MANUFACTURING

The value added for **Manufacturing sector increased to 1.9 per cent** during this recent quarter to amount **RM91,727 million** as compared to negative 0.3 per cent and RM95,261 million in the fourth quarter of 2023. Hence, the **labour productivity per hour worked in this sector experienced a smaller negative growth at 0.3 per cent** and **RM54.8 per hour** after posting negative 2.8 per cent (Q4 2023: RM56.9 per hour). Meanwhile, hours worked recorded a total of 1,674 million hours with 2.3 per cent growth (Q4 2023: 2.6%; 1,674 million hours). Average hours worked also displayed positive growth at 0.7 per cent with 45.9 hours per week recorded in this quarter (Q4 2023: -0.4%; 45.8 hours per week). **[Exhibit 3]**

There were four subsectors experienced **positive growth in labour productivity per hour worked**. These include the **Non-metallic mineral products, basic metal and fabricated metal products at 6.1 per cent** (Q4 2023: 2.7%); **Textiles, wearing apparel and leather products at 3.1 per cent** (Q4 2023: 1.5%); **Transport equipment, other manufacturing and repair at 2.8 per cent** (Q4 2023: 1.2%) and **Wood products, furniture, paper products and printing after posted a growth of 2.3 per cent** (Q4 2023: 0.1%).

The **labour productivity per employment showed a similar performance after 0.2 per cent** with **RM32,532 per person** registered, compared to negative 3.2 per cent and RM33,745 per person in the previous quarter. In the meantime, the total number of employees recorded a slower growth at 1.7 per cent and 2,820 thousand persons (Q4 2023: 3.0%; 2,823 thousand persons).

On the other hand, more than half of the **Manufacturing subsector displayed positive growth for labour productivity per employment**, which included **Non-metallic mineral products, basic metal and fabricated metal products at 5.1 per cent growth** (Q4 2023: 2.8%); **Beverages and tobacco products at 4.7 per cent** (Q4 2023: 2.1%); **Transport equipment, other manufacturing and repair at 2.3 per cent** (Q4 2023: 1.9%); **Wood products, furniture, paper products and printing at 0.9 per cent** (Q4 2023: -1.9%) and lastly, **Electrical, electronic and optical products at 0.8 per cent** (Q4 2023: -7.3%).

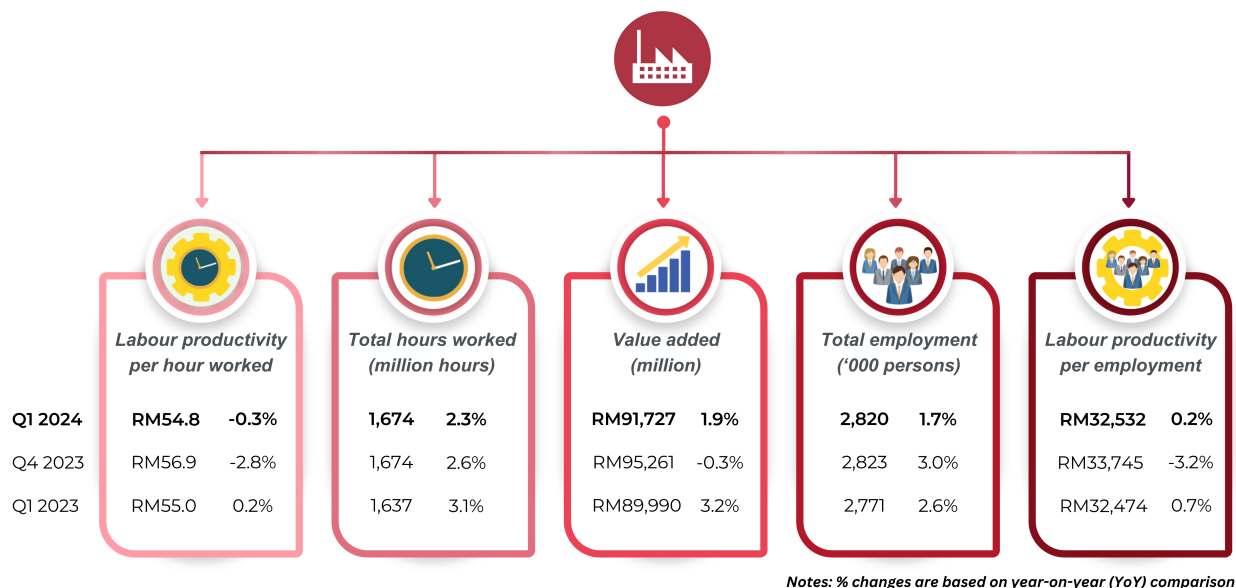
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Exhibit 3: Labour productivity of Manufacturing sector: Q1 2024, Q1 & Q4 2023

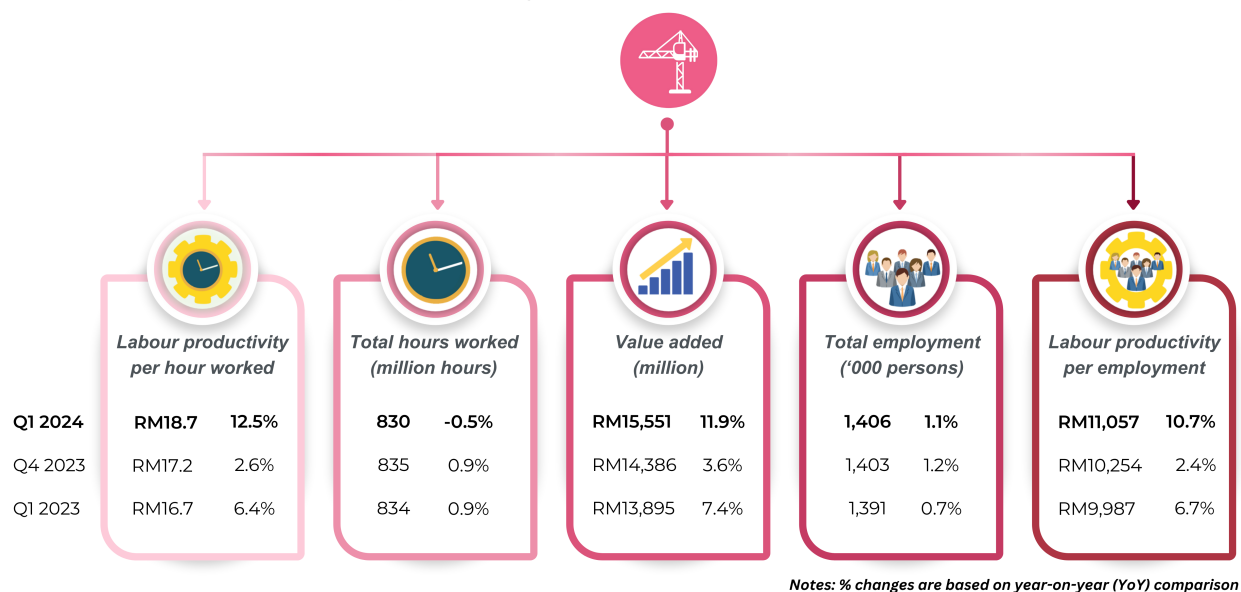


CONSTRUCTION

The labour productivity per hour worked for the Construction sector soared to double-digit positive growth at 12.5 per cent after registering RM18.7 per hour compared to 2.6 per cent and RM17.2 per hour in the previous quarter. This growth was mainly due to the increase of value added during this quarter at 11.9 per cent, amounted to RM15,551 million (Q4 2023: 3.6%; RM14,386 million). Despite this, the total hours worked shifted to negative 0.5 per cent after posting 830 million hours as compared to 0.9 per cent (Q4 2023: 835 million hours), with average hours worked further declined to negative 1.7 per cent and 45.6 hours per week (Q4 2023: -0.2%; 45.9 hours per week). **[Exhibit 4]**

Yet another good performance was exhibited for the labour productivity per employment after registering 10.7 per cent during this quarter with RM11,057 per person (Q4 2023: 2.4%; RM10,254 per person. Meanwhile, the total employment grew marginal at 1.1 per cent and 1,406 thousand persons as compared to 1.2 per cent and 1,403 thousand persons in the last quarter.

Exhibit 4: Labour productivity of Construction sector: Q1 2024, Q1 & Q4 2023





SERVICES

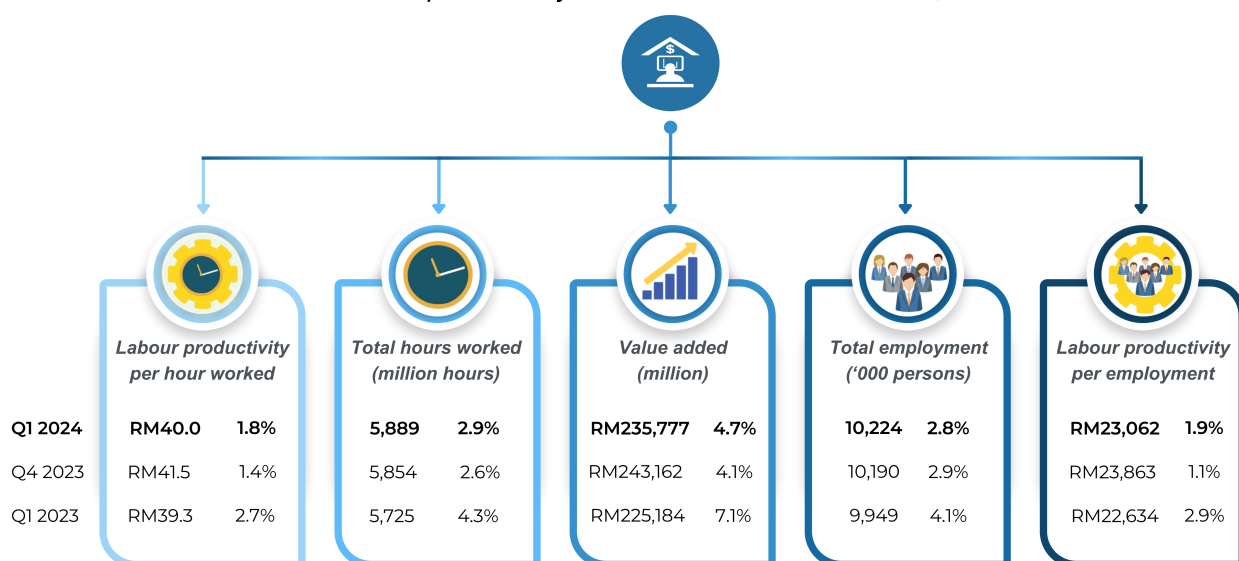
The Services sector increased to 1.8 per cent for its labour productivity per hour worked during the first quarter of 2024 with RM40.0 per hour (Q4 2023: 1.4%; RM41.5 per hour). A 4.7 per cent marginal growth was recorded for the value added, reaching to RM235,777 million as compared to 4.1 per cent and RM243,162 million in Q4 2023. The total hours worked also improved to 2.9 per cent and 5,889 million hours (Q4 2023: 2.6%; 5,854 million hours), while average hours worked displayed 0.2 per cent positive growth after registering 44.6 hours per week (Q4 2023: -0.2%; 44.5 hours per week). [Exhibit 5]

Majority of Services subsectors in labour productivity per hour worked increased from the previous quarter, except for Information and communication and Finance and insurance which recorded negative 1.8 per cent (Q4 2023: 3.2%) and negative 9.0 per cent (Q4 2023: -13.5%), respectively.

At the same time, the **labour productivity per employment refined to 1.9 per cent growth to post RM23,062 per person** (Q4 2023: 1.1%; RM23,863 per person), with total of employment increased marginally at 2.8 per cent and 10,224 thousand persons as compared to 2.9 per cent and 10,190 thousand persons in the preceding quarter.

Apart from that, all subsectors in labour productivity per employment showed good performances as majority subsectors experienced positive growth, except for Food & beverages and accommodation which showed a slower negative of 0.4 per cent, compared to negative 3.6 per cent and Finance and insurance at negative 1.3 per cent (Q4 2023: -6.6%).

Exhibit 5: Labour productivity of Services sector: Q1 2024, Q1 & Q4 2023



Notes: % changes are based on year-on-year (YoY) comparison



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1a Produktiviti buruh tahunan, nilai ditambah per jam bekerja mengikut aktiviti ekonomi, 2019 - 2023
Annual labour productivity, value added per hour worked by economic activity, 2019 - 2023

		(RM)				
Aktiviti ekonomi <i>Economic activity</i>		2019	2020	2021	2022 ^e	2023 ^p
1.	Pertanian <i>Agriculture</i>	25.8	26.2	25.0	25.0	24.8
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	556.3	554.4	536.6	534.7	527.2
3.	Pembuatan <i>Manufacturing</i>	51.7	55.2	56.9	56.9	55.3
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	30.4	32.5	31.0	29.5	29.3
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	187.4	184.7	191.3	214.3	216.9
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	12.1	10.8	11.2	10.9	11.3
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	28.3	30.8	32.1	30.8	29.3
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	90.7	95.4	100.3	97.2	94.1
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	41.7	40.3	40.0	40.4	41.5
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	63.6	72.4	76.4	80.4	75.5
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	64.7	73.1	68.3	70.8	69.7
4.	Pembinaan <i>Construction</i>	19.0	18.0	16.5	16.2	16.9
5.	Perkhidmatan <i>Services</i>	38.5	39.9	38.4	39.7	40.1
5.1	Utiliti <i>Utilities</i>	157.0	168.4	165.4	158.0	157.4
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	39.8	41.0	39.6	41.2	42.6
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	13.1	10.8	9.0	11.2	11.1
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	40.6	36.3	34.2	39.7	42.9
5.5	Maklumat dan komunikasi <i>Information and communication</i>	151.5	170.0	163.5	160.4	161.2
5.6	Kewangan dan insurans <i>Finance and insurance</i>	108.1	119.8	125.4	126.7	119.9
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	25.5	23.8	20.9	24.1	25.0
5.8	Perkhidmatan lain <i>Other services</i>	33.2	35.1	33.8	34.0	35.0
Produktiviti buruh <i>Labour productivity</i>		40.7	42.1	41.1	41.9	41.9



1b Produktiviti buruh tahunan, nilai ditambah per jam bekerja mengikut aktiviti ekonomi, 2019 - 2023:
 Perubahan peratusan tahunan
Annual labour productivity, value added per hour worked by economic activity, 2019 - 2023:
Annual percentage change

		(%)				
Aktiviti ekonomi <i>Economic activity</i>		2019	2020	2021	2022 ^e	2023 ^p
1.	Pertanian <i>Agriculture</i>	0.2	1.7	-4.7	-0.1	-0.8
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	-0.4	-0.3	-3.2	-0.4	-1.4
3.	Pembuatan <i>Manufacturing</i>	2.5	6.9	3.0	-0.03	-2.8
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	-1.5	6.9	-4.7	-4.9	-0.4
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	1.0	-1.5	3.6	12.0	1.2
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	1.1	-10.9	3.5	-2.2	3.1
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	6.4	8.5	4.4	-4.1	-4.9
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	3.8	5.2	5.2	-3.1	-3.2
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>	2.8	-3.3	-0.8	0.9	2.8
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	2.5	13.8	5.6	5.2	-6.1
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	5.6	13.0	-6.6	3.6	-1.6
4.	Pembinaan <i>Construction</i>	3.8	-5.0	-8.3	-1.9	4.4
5.	Perkhidmatan <i>Services</i>	2.7	3.5	-3.9	3.4	1.0
5.1	Utiliti <i>Utilities</i>	3.4	7.3	-1.8	-4.5	-0.4
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	4.1	3.0	-3.4	3.9	3.4
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	1.3	-17.1	-17.4	25.5	-1.4
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	4.3	-10.6	-5.8	16.3	8.0
5.5	Maklumat dan komunikasi <i>Information and communication</i>	2.0	12.2	-3.8	-1.9	0.5
5.6	Kewangan dan insurans <i>Finance and insurance</i>	2.7	10.8	4.7	1.0	-5.3
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	5.1	-6.7	-12.2	15.2	3.9
5.8	Perkhidmatan lain <i>Other services</i>	2.4	5.7	-3.9	0.7	2.8
Produktiviti buruh <i>Labour productivity</i>		2.3	3.6	-2.4	2.0	0.1

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2a Produktiviti buruh tahunan, nilai ditambah per pekerja mengikut aktiviti ekonomi, 2019 - 2023
 Annual labour productivity, value added per employment by economic activity, 2019 - 2023

		(RM)				
	Aktiviti ekonomi Economic activity	2019	2020	2021	2022 ^a	2023 ^p
1.	Pertanian Agriculture	54,225	53,116	52,756	53,783	53,808
2.	Perlombongan dan pengkuarian Mining and quarrying	1,363,562	1,259,637	1,249,966	1,277,833	1,278,404
3.	Pembuatan Manufacturing	123,881	120,550	128,618	133,899	131,112
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan Vegetable and animal oils & fats and food processing	69,312	68,894	67,149	66,612	66,252
3.2	Minuman dan produk tembakau Beverages and tobacco products	469,493	427,487	438,035	503,386	515,910
3.3	Produk tekstil, pakaian dan kulit Textiles, wearing apparel and leather products	24,763	21,651	22,343	22,784	23,819
3.4	Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	70,662	67,100	71,279	74,559	71,457
3.5	Produk petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic products	226,277	219,726	239,613	236,029	231,386
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	104,049	90,335	92,931	97,327	100,105
3.7	Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	155,087	158,781	177,409	193,619	183,882
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	157,859	156,980	157,561	170,429	168,434
4.	Pembinaan Construction	45,421	38,322	36,696	38,647	40,552
5.	Perkhidmatan Services	89,568	84,480	85,150	90,781	92,259
5.1	Utiliti Utilities	370,687	364,038	370,303	370,742	377,436
5.2	Perdagangan borong dan runcit Wholesale and retail trade	95,968	89,378	89,380	96,592	100,111
5.3	Makanan & minuman dan penginapan Food & beverages and accommodation	30,516	22,471	19,874	25,409	25,225
5.4	Pengangkutan dan penyimpanan Transportation and storage	99,432	78,090	79,635	96,061	103,902
5.5	Maklumat dan komunikasi Information and communication	356,995	366,574	379,101	382,741	378,558
5.6	Kewangan dan insurans Finance and insurance	249,085	255,361	282,493	284,313	272,529
5.7	Hartanah dan perkhidmatan perniagaan Real estate and business services	61,056	51,695	47,550	56,627	59,933
5.8	Perkhidmatan lain Other services	72,420	71,869	71,782	74,429	77,008
Produktiviti buruh Labour productivity		94,138	89,179	90,968	96,061	96,780



2b Produktiviti buruh tahunan, nilai ditambah per pekerja mengikut aktiviti ekonomi, 2019 - 2023:
Perubahan peratusan tahunan
Annual labour productivity, value added per employment by economic activity, 2019 - 2023:

		(%)				
Aktiviti ekonomi Economic activity		2019	2020	2021	2022 ^e	2023 ^p
1.	Pertanian Agriculture	0.3	-2.0	-0.7	1.9	0.1
2.	Perlombongan dan pengkuarian Mining and quarrying	-0.3	-7.6	-0.8	2.2	0.04
3.	Pembuatan Manufacturing	1.7	-2.7	6.7	4.1	-2.1
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan Vegetable and animal oils & fats and food processing	0.9	-0.6	-2.5	-0.8	-0.5
3.2	Minuman dan produk tembakau Beverages and tobacco products	1.6	-8.9	2.5	14.9	2.5
3.3	Produk tekstil, pakaian dan kulit Textiles, wearing apparel and leather products	0.001	-12.6	3.2	2.0	4.5
3.4	Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	3.8	-5.0	6.2	4.6	-4.2
3.5	Produk petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic products	1.1	-2.9	9.1	-1.5	-2.0
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	3.6	-13.2	2.9	4.7	2.9
3.7	Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	1.0	2.4	11.7	9.1	-5.0
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	5.2	-0.6	0.4	8.2	-1.2
4.	Pembinaan Construction	3.6	-15.6	-4.2	5.3	4.9
5.	Perkhidmatan Services	2.9	-5.7	0.8	6.6	1.6
5.1	Utiliti Utilities	3.8	-1.8	1.7	0.1	1.8
5.2	Perdagangan borong dan runcit Wholesale and retail trade	3.5	-6.9	0.002	8.1	3.6
5.3	Makanan & minuman dan penginapan Food & beverages and accommodation	1.7	-26.4	-11.6	27.8	-0.7
5.4	Pengangkutan dan penyimpanan Transportation and storage	4.2	-21.5	2.0	20.6	8.2
5.5	Maklumat dan komunikasi Information and communication	0.8	2.7	3.4	1.0	-1.1
5.6	Kewangan dan insurans Finance and insurance	3.0	2.5	10.6	0.6	-4.1
5.7	Hartanah dan perkhidmatan perniagaan Real estate and business services	4.6	-15.3	-8.0	19.1	5.8
5.8	Perkhidmatan lain Other services	3.6	-0.8	-0.1	3.7	3.5
Produktiviti buruh Labour productivity		2.2	-5.3	2.0	5.6	0.7

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3a Produktiviti buruh tahunan, nilai ditambah per jam bekerja mengikut 11 subsektor keutamaan, 2019 - 2023
Annual labour productivity, value added per hour worked by 11 priority sub-sectors, 2019 - 2023

		(RM)				
	Aktiviti ekonomi <i>Economic activity</i>	2019	2020	2021	2022^e	2023^p
1.	Agromakanan <i>Agro-food</i>	45.9	48.2	47.5	46.0	46.2
2.	Kimia dan produk kimia <i>Chemicals and chemical products</i>	119.3	121.9	133.0	129.0	128.5
3.	Elektrik dan elektronik <i>Electrical and electronics</i>	69.9	80.9	85.4	89.8	83.1
4.	Mesin dan peralatan <i>Machinery and equipment</i>	36.3	38.8	40.8	41.0	41.0
5.	Pembinaan & alam bina <i>Construction & built environment</i>	19.0	18.0	16.5	16.2	16.9
6.	Peruncitan dan makanan & minuman <i>Retail and food & beverages</i>	20.3	20.0	18.9	20.8	20.7
7.	Logistik <i>Logistic</i>	40.4	36.6	34.5	38.8	41.7
8.	Pelancongan <i>Tourism</i>	30.5	19.0	14.2	29.3	35.1
9.	Teknologi, maklumat dan komunikasi (ICT) <i>Information, communication and technology (ICT)</i>	151.5	170.0	163.5	160.4	161.2
10.	Perkhidmatan professional <i>Professional services</i>	37.5	38.0	33.6	37.1	38.5
11.	Penjagaan kesihatan swasta <i>Private healthcare</i>	27.1	26.7	28.7	29.5	30.8
Produktiviti buruh <i>Labour productivity</i>		37.1	38.4	37.4	39.3	39.7



3b Produktiviti buruh tahunan, nilai ditambah per jam bekerja mengikut 11 subsektor keutamaan, 2019 - 2023:
 Perubahan peratusan tahunan
Annual labour productivity, value added per hour worked by 11 priority sub-sectors, 2019 - 2023:
Annual percentage change

(%)

	Aktiviti ekonomi <i>Economic activity</i>	2019	2020	2021	2022 ^e	2023 ^p
1.	Agromakanan <i>Agro-food</i>	1.3	5.1	-1.5	-3.2	0.6
2.	Kimia dan produk kimia <i>Chemicals and chemical products</i>	0.3	2.2	9.1	-3.0	-0.4
3.	Elektrik dan elektronik <i>Electrical and electronics</i>	2.8	15.8	5.5	5.1	-7.4
4.	Mesin dan peralatan <i>Machinery and equipment</i>	2.6	6.7	5.2	0.4	-0.1
5.	Pembinaan & alam bina <i>Construction & built environment</i>	3.8	-5.0	-8.3	-1.9	4.4
6.	Peruncitan dan makanan & minuman <i>Retail and food & beverages</i>	3.6	-1.4	-5.8	10.3	-0.3
7.	Logistik <i>Logistic</i>	7.1	-9.4	-5.8	12.4	7.5
8.	Pelancongan <i>Tourism</i>	4.9	-37.6	-25.6	106.8	19.9
9.	Teknologi, maklumat dan komunikasi (ICT) <i>Information, communication and technology (ICT)</i>	2.0	12.2	-3.8	-1.9	0.5
10.	Perkhidmatan professional <i>Professional services</i>	5.8	1.1	-11.5	10.5	3.7
11.	Penjagaan kesihatan swasta <i>Private healthcare</i>	2.0	-1.4	7.2	2.8	4.4
	Produktiviti buruh <i>Labour productivity</i>	3.6	3.4	-2.5	5.1	1.0

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4a Produktiviti buruh tahunan, nilai ditambah per pekerja mengikut 11 subsektor keutamaan, 2019 - 2023
 Annual labour productivity, value added per employment by 11 priority sub-sectors, 2019 - 2023

		(RM)				
	Aktiviti ekonomi Economic activity	2019	2020	2021	2022 ^e	2023 ^p
1.	Agromakanan Agro-food	91,306	91,154	93,744	94,121	95,542
2.	Kimia dan produk kimia Chemicals and chemical products	288,306	276,827	304,930	311,678	313,588
3.	Elektrik dan elektronik Electrical and electronics	170,471	177,044	198,152	216,194	201,877
4.	Mesin dan peralatan Machinery and equipment	88,408	86,229	94,599	99,067	101,288
5.	Pembinaan & alam bina Construction & built environment	45,421	38,322	36,696	38,647	40,552
6.	Peruncitan dan makanan & minuman Retail and food & beverages	47,806	42,740	42,056	47,634	47,750
7.	Logistik Logistic	99,147	80,437	81,150	94,848	101,447
8.	Pelancongan Tourism	74,092	38,124	29,657	68,514	83,128
9.	Teknologi, maklumat dan komunikasi (ICT) Information, communication and technology (ICT)	356,995	366,574	379,101	382,741	378,558
10.	Perkhidmatan professional Professional services	86,671	78,014	75,019	83,734	89,357
11.	Penjagaan kesihatan swasta Private healthcare	62,906	57,991	63,529	67,833	71,696
Produktiviti buruh Labour productivity		87,277	81,266	83,377	91,183	92,708



4b Produktiviti buruh tahunan, nilai ditambah per pekerja mengikut 11 subsektor keutamaan, 2019 - 2023:
 Perubahan peratusan tahunan
Annual labour productivity, value added per employment by 11 priority sub-sectors, 2019 - 2023:
Annual percentage change

		(%)				
Aktiviti ekonomi <i>Economic activity</i>		2019	2020	2021	2022 ^e	2023 ^p
1.	Agromakanan <i>Agro-food</i>	2.4	-0.2	2.8	0.4	1.5
2.	Kimia dan produk kimia <i>Chemicals and chemical products</i>	-2.1	-4.0	10.2	2.2	0.6
3.	Elektrik dan elektronik <i>Electrical and electronics</i>	1.3	3.9	11.9	9.1	-6.6
4.	Mesin dan peralatan <i>Machinery and equipment</i>	0.7	-2.5	9.7	4.7	2.2
5.	Pembinaan & alam bina <i>Construction & built environment</i>	3.6	-15.6	-4.2	5.3	4.9
6.	Peruncitan dan makanan & minuman <i>Retail and food & beverages</i>	3.2	-10.6	-1.6	13.3	0.2
7.	Logistik <i>Logistic</i>	6.7	-18.9	0.9	16.9	7.0
8.	Pelancongan <i>Tourism</i>	5.3	-48.5	-22.2	131.0	21.3
9.	Teknologi, maklumat dan komunikasi (ICT) <i>Information, communication and technology (ICT)</i>	0.8	2.7	3.4	1.0	-1.1
10.	Perkhidmatan profesional <i>Professional services</i>	5.9	-10.0	-3.8	11.6	6.7
11.	Penjagaan kesihatan swasta <i>Private healthcare</i>	1.8	-7.8	9.6	6.8	5.7
Produktiviti buruh <i>Labour productivity</i>		3.3	-6.9	2.6	9.4	1.7

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5a Produktiviti buruh suku tahunan, nilai ditambah per jam bekerja mengikut aktiviti ekonomi, ST1 2020 - ST1 2024

(RM)

Aktiviti ekonomi <i>Economic activity</i>		2020				2021	
		I	II	III	IV	I	II
1.	Pertanian <i>Agriculture</i>	23.1	28.8	28.5	24.9	22.9	24.3
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	569.2	616.5	467.3	585.7	564.4	566.0
3.	Pembuatan <i>Manufacturing</i>	50.8	59.8	56.0	55.8	54.9	57.2
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	27.0	41.3	34.1	29.4	27.3	32.7
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	158.3	150.7	220.7	206.6	193.6	209.4
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	11.1	9.0	11.4	11.4	11.5	11.1
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	30.1	32.9	30.2	30.7	33.7	33.2
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	90.3	95.4	97.3	98.3	94.2	97.6
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>	38.7	40.2	42.6	39.9	39.1	40.4
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	69.5	84.6	68.7	70.5	77.4	75.4
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	55.2	86.4	74.0	83.4	61.9	70.4
4.	Pembinaan <i>Construction</i>	18.7	18.2	17.9	17.4	17.0	16.8
5.	Perkhidmatan <i>Services</i>	38.3	44.5	38.6	39.6	37.8	37.6
5.1	Utiliti <i>Utilities</i>	155.8	201.6	161.8	162.9	158.1	166.2
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	38.3	41.3	41.3	43.3	39.2	37.8
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	12.7	11.1	10.0	9.5	9.3	8.8
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	38.4	36.4	36.2	34.1	32.5	33.2
5.5	Maklumat dan komunikasi <i>Information and communication</i>	159.9	235.8	155.8	151.5	165.4	163.9
5.6	Kewangan dan insurans <i>Finance and insurance</i>	115.4	127.3	116.3	121.7	126.5	124.9
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	25.2	27.9	22.0	21.3	21.8	21.1
5.8	Perkhidmatan lain <i>Other services</i>	33.5	40.0	32.7	35.6	32.3	32.7
Produktiviti buruh <i>Labour productivity</i>		40.0	46.6	41.2	41.8	40.3	40.7



5a Quarterly labour productivity, value added per hour worked by economic activity, Q1 2020 - Q1 2024

(RM)

2021		2022 ^a				2023 ^p				2024
III	IV	I	II	III	IV	I	II	III	IV	I
27.4	25.4	23.2	23.6	27.5	25.6	23.1	23.0	27.1	25.8	23.3
485.9	531.0	537.7	531.0	511.9	558.2	541.3	496.4	504.4	566.5	555.7
57.1	58.3	54.9	56.2	57.9	58.5	55.0	54.0	55.3	56.9	54.8
33.6	30.3	25.5	30.3	31.9	30.2	26.1	29.4	30.7	31.1	25.5
137.7	224.7	193.1	253.1	200.2	212.7	203.9	246.0	211.4	205.4	185.0
10.7	11.5	11.0	10.3	10.9	11.6	11.5	10.7	11.2	11.8	11.9
30.2	31.3	33.9	31.2	29.2	29.0	31.8	29.2	27.3	29.0	32.5
108.2	101.2	89.9	92.3	106.7	99.7	89.7	88.1	101.6	96.7	87.1
39.3	41.2	40.4	40.1	39.2	41.7	41.2	41.6	40.2	42.9	43.6
75.3	77.4	83.6	78.2	79.6	80.2	82.8	72.4	73.5	73.6	80.3
55.2	84.2	59.0	75.7	65.7	82.4	59.0	72.3	64.4	83.4	60.7
16.9	15.5	15.6	15.9	16.6	16.8	16.7	16.5	17.4	17.2	18.7
38.1	39.9	38.3	39.1	40.4	40.9	39.3	39.0	40.4	41.5	40.0
172.6	165.4	153.6	163.6	163.1	152.1	149.7	161.2	158.6	159.9	159.8
38.4	42.9	38.3	40.1	42.5	43.7	40.2	40.4	43.9	45.9	40.8
8.0	9.8	10.7	11.1	11.4	11.8	11.3	11.1	10.7	11.2	11.4
33.7	37.2	39.2	39.5	40.0	40.3	42.2	41.8	42.8	44.7	46.6
166.5	158.4	164.8	165.8	159.0	152.9	163.9	161.9	161.3	157.7	160.9
124.6	125.6	124.4	120.7	128.8	133.2	132.3	111.1	122.0	115.3	120.4
20.1	20.6	23.0	24.2	24.9	24.1	24.1	24.9	25.2	25.9	25.9
34.7	35.4	33.2	32.9	34.1	35.8	34.1	34.2	34.8	36.8	34.9
41.1	42.3	40.5	41.2	42.7	43.3	41.2	40.7	42.2	43.6	42.0

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5b Produktiviti buruh suku tahunan, nilai ditambah per jam bekerja mengikut aktiviti ekonomi, ST1 2020 - ST1 2024:
Perubahan peratusan dari suku tahun yang sama tahun sebelumnya

		(%)					
Aktiviti ekonomi <i>Economic activity</i>		2020				2021	
		I	II	III	IV	I	II
1.	Pertanian <i>Agriculture</i>	-7.2	15.8	0.6	-1.0	-0.7	-15.6
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	2.9	7.8	-4.3	-5.5	-0.8	-8.2
3.	Pembuatan <i>Manufacturing</i>	2.0	14.9	6.8	6.0	8.1	-4.2
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	-4.5	35.3	10.4	-7.8	1.1	-20.9
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	0.9	-29.3	11.3	13.9	22.3	39.0
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	-0.9	-33.0	-8.5	-0.1	3.8	22.5
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	2.7	16.7	7.5	10.3	12.1	1.1
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	4.2	8.3	3.1	5.4	4.3	2.3
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	2.4	-12.6	-2.0	0.4	1.0	0.5
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	4.5	35.7	12.3	9.8	11.4	-10.9
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	-0.5	31.0	10.9	18.8	12.0	-18.5
4.	Pembinaan <i>Construction</i>	-1.7	-2.8	-8.8	-6.5	-8.7	-7.8
5.	Perkhidmatan <i>Services</i>	3.8	17.6	-0.9	-2.4	-1.2	-15.5
5.1	Utiliti <i>Utilities</i>	1.3	26.2	1.8	4.9	1.5	-17.6
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	2.3	9.3	0.7	0.4	2.2	-8.4
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	0.7	-14.6	-23.2	-30.1	-26.8	-21.2
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	0.4	-11.9	-13.1	-17.4	-15.5	-8.8
5.5	Maklumat dan komunikasi <i>Information and communication</i>	3.2	51.1	1.7	6.3	3.4	-30.5
5.6	Kewangan dan insurans <i>Finance and insurance</i>	7.1	21.2	7.9	8.6	9.6	-1.8
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	3.2	7.1	-12.9	-19.2	-13.5	-24.3
5.8	Perkhidmatan lain <i>Other services</i>	6.7	24.8	-0.9	-2.9	-3.4	-18.3
Produktiviti buruh <i>Labour productivity</i>		2.1	15.8	0.3	-0.5	0.6	-12.7



5b Quarterly labour productivity, value added per hour worked by economic activity, Q1 2020 - Q1 2024:
Percentage change from corresponding quarter of preceding year

(%)										
2021		2022 ^e				2023 ^p				2024
III	IV	I	II	III	IV	I	II	III	IV	I
-3.7	1.8	1.3	-2.6	0.2	0.8	-0.4	-2.5	-1.4	1.0	0.9
4.0	-9.3	-4.7	-6.2	5.4	5.1	0.7	-6.5	-1.5	1.5	2.7
2.1	4.6	-0.03	-1.9	1.4	0.4	0.2	-3.9	-4.5	-2.8	-0.3
-1.6	3.3	-6.6	-7.4	-5.0	-0.4	2.2	-3.0	-3.5	2.9	-2.4
-37.6	8.8	-0.3	20.9	45.4	-5.4	5.6	-2.8	5.6	-3.4	-9.3
-6.4	0.2	-3.7	-7.0	1.5	1.2	4.4	3.8	2.8	1.5	3.1
-0.1	1.8	0.7	-6.1	-3.2	-7.4	-6.4	-6.2	-6.4	0.1	2.3
11.1	2.9	-4.5	-5.4	-1.4	-1.5	-0.3	-4.6	-4.8	-3.0	-2.9
-7.9	3.3	3.4	-0.9	-0.1	1.4	1.9	3.9	2.5	2.7	6.1
9.5	9.8	8.0	3.7	5.8	3.6	-0.9	-7.5	-7.7	-8.2	-3.0
-25.4	0.9	-4.6	7.5	19.0	-2.1	0.004	-4.5	-2.0	1.2	2.8
-5.7	-10.8	-8.1	-5.0	-2.1	8.1	6.4	3.5	5.1	2.6	12.5
-1.2	0.8	1.2	4.0	6.0	2.6	2.7	-0.04	-0.003	1.4	1.8
6.6	1.5	-2.9	-1.5	-5.5	-8.0	-2.5	-1.5	-2.7	5.1	6.8
-6.8	-0.9	-2.2	6.2	10.6	1.8	4.9	0.7	3.2	5.1	1.6
-20.4	2.5	15.7	26.5	42.3	20.5	5.6	-0.03	-5.5	-5.0	1.1
-6.9	9.1	20.8	19.0	18.5	8.1	7.8	5.9	7.1	11.1	10.4
6.9	4.6	-0.4	1.2	-4.5	-3.5	-0.5	-2.4	1.4	3.2	-1.8
7.2	3.2	-1.6	-3.4	3.3	6.0	6.3	-8.0	-5.3	-13.5	-9.0
-8.5	-3.5	5.5	14.9	24.0	17.3	4.7	2.7	0.9	7.3	7.2
6.0	-0.6	2.7	0.7	-1.7	1.0	2.6	4.0	2.0	2.8	2.5
-0.3	1.2	0.4	1.2	3.9	2.3	1.9	-1.2	-1.0	0.6	1.9

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6a Produktiviti buruh suku tahunan, nilai ditambah per pekerja mengikut aktiviti ekonomi, ST1 2020 - ST1 2024

		(RM)					
Aktiviti ekonomi <i>Economic activity</i>		2020				2021	
		I	II	III	IV	I	II
1.	Pertanian <i>Agriculture</i>	11,964	13,186	14,881	13,086	12,064	12,751
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	341,791	286,955	283,881	351,270	333,475	323,649
3.	Pembuatan <i>Manufacturing</i>	29,745	25,672	32,464	32,573	31,364	31,630
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	15,238	18,699	18,686	16,295	14,678	17,476
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	95,969	75,028	134,836	122,882	110,450	116,777
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	5,617	4,082	5,851	6,067	5,825	5,351
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	18,230	12,710	17,999	17,989	19,221	17,850
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	54,624	47,228	58,505	59,151	56,225	57,512
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>	23,718	17,039	25,268	24,247	23,381	22,809
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	41,029	34,725	40,994	41,941	45,429	42,560
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	33,372	28,632	44,159	50,466	36,527	40,338
4.	Pembinaan <i>Construction</i>	10,795	6,600	10,604	10,221	9,898	9,089
5.	Perkhidmatan <i>Services</i>	21,686	18,499	21,856	22,394	21,224	20,655
5.1	Utiliti <i>Utilities</i>	89,728	87,859	94,109	92,298	90,092	92,683
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	22,392	17,479	24,030	25,472	22,436	20,961
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	7,104	4,503	5,487	5,291	5,127	4,751
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	22,513	13,909	21,496	19,915	19,046	19,136
5.5	Maklumat dan komunikasi <i>Information and communication</i>	94,477	92,181	91,181	89,006	95,873	94,549
5.6	Kewangan dan insurans <i>Finance and insurance</i>	64,705	56,395	65,105	69,256	71,764	70,126
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	14,878	11,663	12,687	12,414	12,631	11,940
5.8	Perkhidmatan lain <i>Other services</i>	17,939	16,771	18,081	19,056	17,402	17,447
Produktiviti buruh <i>Labour productivity</i>		22,613	19,530	23,327	23,661	22,572	22,237



6a Quarterly labour productivity, value added per employment by economic activity, Q1 2020 - Q1 2024

(RM)

2021		2022 ^e				2023 ^p				2024
III	IV	I	II	III	IV	I	II	III	IV	I
14,458	13,477	12,364	12,642	14,881	13,889	12,399	12,521	14,841	14,043	12,589
279,934	313,635	321,602	312,683	308,071	335,432	324,993	303,773	303,351	346,305	343,404
31,265	34,296	32,264	32,921	33,838	34,853	32,474	32,075	32,801	33,745	32,532
17,916	17,040	14,604	17,014	17,831	17,121	14,924	16,467	17,381	17,416	14,337
79,123	131,919	115,193	146,336	118,093	124,337	119,031	151,452	118,582	126,998	124,661
5,251	5,897	5,770	5,386	5,584	6,061	6,196	5,843	5,801	5,980	6,190
15,644	18,532	20,120	18,831	17,561	18,049	19,143	17,771	16,882	17,708	19,320
63,915	61,953	54,600	55,673	64,346	61,364	54,935	54,537	62,409	59,443	54,578
21,598	25,077	24,172	24,116	23,734	25,297	24,767	25,067	24,259	25,999	26,030
42,547	46,821	50,249	46,825	47,455	49,128	49,124	44,256	44,984	45,536	49,498
29,841	50,595	36,020	45,492	39,019	49,551	36,277	43,129	38,620	50,478	37,115
8,608	9,095	9,363	9,374	9,892	10,018	9,987	9,858	10,452	10,254	11,057
20,606	22,642	21,987	22,197	22,964	23,601	22,634	22,388	23,356	23,863	23,062
91,310	96,186	90,847	93,186	93,684	92,979	90,774	95,825	95,355	95,396	94,058
21,126	24,802	22,323	23,289	24,886	26,029	23,722	23,888	25,767	26,696	24,006
4,425	5,567	6,187	6,199	6,445	6,566	6,451	6,231	6,218	6,327	6,424
19,135	22,272	23,676	23,639	23,980	24,726	25,547	25,260	25,847	27,233	27,626
95,614	93,153	97,275	96,071	95,805	93,697	95,145	94,826	94,880	93,729	95,598
68,757	71,850	71,643	69,374	71,611	71,674	71,159	64,640	69,795	66,936	70,204
11,054	11,919	13,647	14,098	14,295	14,570	14,593	14,766	15,165	15,403	15,662
17,785	19,134	18,154	18,050	18,562	19,645	18,710	18,667	19,275	20,344	19,376
22,090	24,053	23,207	23,445	24,375	25,009	23,744	23,434	24,486	25,101	24,230

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6b Produktiviti buruh suku tahunan, nilai ditambah per pekerja mengikut aktiviti ekonomi, ST1 2020 - ST1 2024:
Perubahan peratusan dari suku tahun yang sama tahun sebelumnya

		(%)					
	Aktiviti ekonomi <i>Economic activity</i>	2020				2021	
		I	II	III	IV	I	II
1.	Pertanian <i>Agriculture</i>	-8.9	1.2	0.3	-0.9	0.8	-3.3
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	-1.2	-16.3	-4.4	-8.3	-2.4	12.8
3.	Pembuatan <i>Manufacturing</i>	-0.3	-17.5	3.6	3.2	5.4	23.2
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	-5.1	6.9	5.3	-9.4	-3.7	-6.5
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	-2.8	-44.4	8.6	10.1	15.1	55.6
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	-0.7	-39.9	-7.2	0.8	3.7	31.1
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	0.5	-29.0	3.0	4.9	5.4	40.4
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	1.7	-13.8	-0.2	0.1	2.9	21.8
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	-0.5	-39.9	-6.3	-2.7	-1.4	33.9
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	0.2	-8.2	9.7	7.7	10.7	22.6
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	-1.8	-28.4	9.0	17.1	9.5	40.9
4.	Pembinaan <i>Construction</i>	-5.4	-40.5	-10.1	-8.2	-8.3	37.7
5.	Perkhidmatan <i>Services</i>	0.6	-15.4	-3.5	-4.6	-2.1	11.7
5.1	Utiliti <i>Utilities</i>	-1.4	-6.8	-0.6	1.7	0.4	5.5
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	-0.2	-22.9	-3.0	-2.4	0.2	19.9
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	-4.5	-39.6	-28.1	-33.6	-27.8	5.5
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	-3.9	-44.4	-16.0	-21.7	-15.4	37.6
5.5	Maklumat dan komunikasi <i>Information and communication</i>	2.0	1.4	1.7	5.5	1.5	2.6
5.6	Kewangan dan insurans <i>Finance and insurance</i>	3.6	-5.7	5.4	6.4	10.9	24.3
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	1.3	-25.0	-15.7	-21.3	-15.1	2.4
5.8	Perkhidmatan lain <i>Other services</i>	3.6	-4.5	0.01	-2.1	-3.0	4.0
Produktiviti buruh <i>Labour productivity</i>		-0.9	-15.8	-2.1	-2.6	-0.2	13.9



6b Quarterly labour productivity, value added per employment by economic activity, Q1 2020 - Q1 2024:
Percentage change from corresponding quarter of preceding year

											(%)
2021		2022 ^e				2023 ^p				2024	
III	IV	I	II	III	IV	I	II	III	IV	I	
-2.8	3.0	2.5	-0.9	2.9	3.1	0.3	-1.0	-0.3	1.1	1.5	
-1.4	-10.7	-3.6	-3.4	10.1	6.9	1.1	-2.8	-1.5	3.2	5.7	
-3.7	5.3	2.9	4.1	8.2	1.6	0.7	-2.6	-3.1	-3.2	0.2	
-4.1	4.6	-0.5	-2.6	-0.5	0.5	2.2	-3.2	-2.5	1.7	-3.9	
-41.3	7.4	4.3	25.3	49.3	-5.7	3.3	3.5	0.4	2.1	4.7	
-10.2	-2.8	-0.9	0.7	6.3	2.8	7.4	8.5	3.9	-1.3	-0.1	
-13.1	3.0	4.7	5.5	12.3	-2.6	-4.9	-5.6	-3.9	-1.9	0.9	
9.2	4.7	-2.9	-3.2	0.7	-0.9	0.6	-2.0	-3.0	-3.1	-0.7	
-14.5	3.4	3.4	5.7	9.9	0.9	2.5	3.9	2.2	2.8	5.1	
3.8	11.6	10.6	10.0	11.5	4.9	-2.2	-5.5	-5.2	-7.3	0.8	
-32.4	0.3	-1.4	12.8	30.8	-2.1	0.7	-5.2	-1.0	1.9	2.3	
-18.8	-11.0	-5.4	3.1	14.9	10.1	6.7	5.2	5.7	2.4	10.7	
-5.7	1.1	3.6	7.5	11.4	4.2	2.9	0.9	1.7	1.1	1.9	
-3.0	4.2	0.8	0.5	2.6	-3.3	-0.1	2.8	1.8	2.6	3.6	
-12.1	-2.6	-0.5	11.1	17.8	4.9	6.3	2.6	3.5	2.6	1.2	
-19.4	5.2	20.7	30.5	45.7	18.0	4.3	0.5	-3.5	-3.6	-0.4	
-11.0	11.8	24.3	23.5	25.3	11.0	7.9	6.9	7.8	10.1	8.1	
4.9	4.7	1.5	1.6	0.2	0.6	-2.2	-1.3	-1.0	0.03	0.5	
5.6	3.7	-0.2	-1.1	4.2	-0.2	-0.7	-6.8	-2.5	-6.6	-1.3	
-12.9	-4.0	8.0	18.1	29.3	22.2	6.9	4.7	6.1	5.7	7.3	
-1.6	0.4	4.3	3.5	4.4	2.7	3.1	3.4	3.8	3.6	3.6	
-5.3	1.7	2.8	5.4	10.3	4.0	2.3	-0.1	0.5	0.4	2.0	

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7a Keluaran Dalam Negeri Kasar (KDNK) tahunan mengikut aktiviti ekonomi pada harga malar 2015, 2019 - 2023
Annual Gross Domestic Product (GDP) by economic activity at constant 2015 prices, 2019 - 2023

		(RM juta/ RM million)				
Aktiviti ekonomi Economic activity		2019	2020	2021	2022 ^a	2023 ^p
1.	Pertanian Agriculture	101,573	99,109	98,843	100,082	100,812
2.	Perlombongan dan pengkuarian Mining and quarrying	102,887	92,879	93,717	97,001	97,513
3.	Pembuatan Manufacturing	316,283	307,606	336,724	364,124	366,694
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan Vegetable and animal oils & fats and food processing	30,448	30,881	31,516	32,856	34,524
3.2	Minuman dan produk tembakau Beverages and tobacco products	9,181	7,709	7,756	9,062	9,625
3.3	Produk tekstil, pakaian dan kulit Textiles, wearing apparel and leather products	6,251	5,444	5,837	6,171	6,244
3.4	Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	21,685	20,075	21,341	22,947	22,864
3.5	Produk petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic products	90,982	90,084	101,787	102,892	102,068
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	37,716	32,797	34,102	36,689	38,584
3.7	Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	89,133	91,361	104,745	119,615	117,708
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	30,887	29,255	29,640	33,892	35,076
4.	Pembinaan Construction	66,453	53,616	50,839	53,426	56,659
5.	Perkhidmatan Services	820,576	777,693	795,116	882,723	927,904
5.1	Utiliti Utilities	38,326	37,950	39,021	40,358	41,411
5.2	Perdagangan borong dan runcit Wholesale and retail trade	242,704	228,561	233,686	265,813	281,372
5.3	Makanan & minuman dan penginapan Food & beverages and accommodation	49,821	36,539	32,622	43,927	47,305
5.4	Pengangkutan dan penyimpanan Transportation and storage	53,632	42,078	42,603	55,148	62,782
5.5	Maklumat dan komunikasi Information and communication	84,225	89,203	94,600	99,283	102,828
5.6	Kewangan dan insurans Finance and insurance	93,358	96,102	105,771	106,631	104,188
5.7	Hartanah dan perkhidmatan perniagaan Real estate and business services	68,762	58,766	53,420	65,558	71,264
5.8	Perkhidmatan lain Other services	189,747	188,494	193,392	206,005	216,754
tambah Duti import plus Import duties		16,179	15,346	15,642	16,784	18,392
KDNK pada harga pembeli GDP at purchasers' prices		1,423,952	1,346,249	1,390,882	1,514,139	1,567,974



7b Keluaran Dalam Negeri Kasar (KDNK) tahunan mengikut aktiviti ekonomi pada harga malar 2015, 2019 - 2023:
 Perubahan peratusan tahunan
Annual Gross Domestic Product (GDP) by economic activity at constant 2015 prices, 2019- 2023:
Annual percentage change

		(%)				
Aktiviti ekonomi <i>Economic activity</i>		2019	2020	2021	2022 ^a	2023 ^b
1.	Pertanian <i>Agriculture</i>	1.9	-2.4	-0.3	1.3	0.7
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	-0.6	-9.7	0.9	3.5	0.5
3.	Pembuatan <i>Manufacturing</i>	3.8	-2.7	9.5	8.1	0.7
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	3.3	1.4	2.1	4.2	5.1
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	4.1	-16.0	0.6	16.8	6.2
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	5.5	-12.9	7.2	5.7	1.2
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	5.4	-7.4	6.3	7.5	-0.4
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	2.9	-1.0	13.0	1.1	-0.8
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	4.1	-13.0	4.0	7.6	5.2
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	3.3	2.5	14.6	14.2	-1.6
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	6.1	-5.3	1.3	14.3	3.5
4.	Pembinaan <i>Construction</i>	0.4	-19.3	-5.2	5.1	6.1
5.	Perkhidmatan <i>Services</i>	6.2	-5.2	2.2	11.0	5.1
5.1	Utiliti <i>Utilities</i>	6.1	-1.0	2.8	3.4	2.6
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	6.8	-5.8	2.2	13.7	5.9
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	9.5	-26.7	-10.7	34.7	7.7
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	6.8	-21.5	1.2	29.4	13.8
5.5	Maklumat dan komunikasi <i>Information and communication</i>	6.5	5.9	6.1	5.0	3.6
5.6	Kewangan dan insurans <i>Finance and insurance</i>	4.8	2.9	10.1	0.8	-2.3
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	7.9	-14.5	-9.1	22.7	8.7
5.8	Perkhidmatan lain <i>Other services</i>	4.2	-0.7	2.6	6.5	5.2
tambah Duti import <i>plus Import duties</i>		-2.2	-5.2	1.9	7.3	9.6
KDNK pada harga pembeli <i>GDP at purchasers' prices</i>		4.4	-5.5	3.3	8.9	3.6

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8a Keluaran Dalam Negeri Kasar (KDNK) suku tahunan mengikut aktiviti ekonomi pada harga malar 2015, ST1 2020 - ST1 2024

		(RM juta/ RM million)					
Aktiviti ekonomi Economic activity		2020				2021	
		I	II	III	IV	I	II
1.	Pertanian Agriculture	22,532	24,421	27,938	24,218	22,557	24,050
2.	Perlombongan dan pengkuarian Mining and quarrying	25,460	21,387	22,009	24,023	24,630	24,073
3.	Pembuatan Manufacturing	76,635	64,343	82,446	84,182	81,682	81,516
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	6,779	8,291	8,354	7,457	6,760	8,117
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	1,920	1,294	2,357	2,137	2,005	2,004
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	1,502	997	1,426	1,519	1,531	1,381
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	5,599	3,683	5,369	5,424	5,822	5,109
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	22,202	19,067	24,068	24,747	23,838	24,441
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>	8,617	6,129	9,151	8,900	8,694	8,162
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	23,641	19,724	23,557	24,439	26,146	24,918
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	6,376	5,157	8,164	9,558	6,886	7,384
4.	Pembinaan Construction	15,377	9,003	14,890	14,346	13,766	12,634
5.	Perkhidmatan Services	201,339	168,097	201,009	207,248	197,340	191,669
5.1	Utiliti <i>Utilities</i>	9,350	9,041	9,736	9,823	9,523	9,703
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	56,956	44,696	61,931	64,978	57,840	54,297
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	11,981	7,116	8,741	8,700	8,357	7,765
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	12,706	7,269	11,237	10,865	10,596	9,996
5.5	Maklumat dan komunikasi <i>Information and communication</i>	21,830	22,162	22,622	22,589	23,142	23,399
5.6	Kewangan dan insurans <i>Finance and insurance</i>	24,231	21,382	24,659	25,830	26,940	26,299
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	17,163	12,982	14,456	14,165	14,223	13,393
5.8	Perkhidmatan lain <i>Other services</i>	47,121	43,448	47,627	50,299	46,720	46,816
tambah Duti import plus Import duties		3,347	3,435	3,844	4,720	3,938	4,218
KDNK pada harga pembeli GDP at purchasers' prices		344,690	290,686	352,137	358,736	343,912	338,160



8a Quarterly Gross Domestic Product (GDP) by economic activity at constant 2015 prices, Q1 2020 - Q1 2024

(RM juta/ RM million)										
2021		2022 ^e				2023 ^p			2024	
III	IV	I	II	III	IV	I	II	III	IV	I
27,315	24,921	22,924	23,666	27,944	25,549	23,242	23,498	28,030	26,042	23,610
21,207	23,807	24,377	23,667	23,421	25,535	24,755	23,173	23,162	26,422	26,172
81,670	91,857	87,174	89,038	92,399	95,512	89,990	89,152	92,291	95,261	91,727
8,402	8,236	7,097	8,319	8,845	8,595	7,604	8,497	9,206	9,218	7,576
1,405	2,342	2,122	2,584	2,107	2,249	2,239	2,812	2,203	2,371	2,387
1,346	1,579	1,605	1,478	1,513	1,574	1,619	1,533	1,519	1,573	1,644
4,694	5,716	6,222	5,728	5,433	5,564	5,973	5,646	5,470	5,775	6,222
27,128	26,380	23,748	24,243	28,274	26,627	24,170	23,847	27,589	26,462	24,446
7,851	9,395	9,159	9,015	8,919	9,596	9,476	9,506	9,406	10,196	10,163
25,233	28,448	30,160	28,781	29,613	31,061	31,300	28,362	28,858	29,188	31,529
5,610	9,761	7,062	8,889	7,696	10,245	7,609	8,949	8,038	10,479	7,760
11,830	12,609	12,938	12,961	13,635	13,892	13,895	13,767	14,611	14,386	15,551
192,122	213,986	210,226	214,560	224,311	233,625	225,184	224,259	235,300	243,162	235,777
9,566	10,230	9,704	10,074	10,312	10,267	9,765	10,417	10,520	10,710	10,473
55,437	66,113	60,368	63,920	68,830	72,695	66,072	66,835	72,596	75,868	68,614
7,273	9,227	10,479	10,592	11,152	11,704	11,782	11,599	11,692	12,233	12,428
9,908	12,103	13,234	13,389	13,811	14,714	15,340	15,234	15,609	16,599	17,026
23,979	24,081	24,548	24,712	24,970	25,054	25,488	25,617	25,847	25,876	26,218
25,749	26,783	26,711	25,888	26,912	27,121	27,143	24,606	26,671	25,768	27,157
12,337	13,467	15,481	16,238	16,711	17,127	17,258	17,523	18,044	18,440	18,779
47,874	51,982	49,701	49,747	51,613	54,943	52,338	52,428	54,321	57,667	55,081
3,278	4,207	3,813	4,224	4,169	4,579	4,308	4,522	4,523	5,040	4,557
337,421	371,388	361,453	368,117	385,880	398,691	381,374	378,371	397,916	410,313	397,394

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8b Keluaran Dalam Negeri Kasar (KDNK) suku tahunan mengikut aktiviti ekonomi pada harga malar 2015, ST1 2020 - ST1 2024: Perubahan peratusan dari suku tahun yang sama tahun sebelumnya

		(%)					
Aktiviti ekonomi Economic activity		2020				2021	
		I	II	III	IV	I	II
1.	Pertanian Agriculture	-8.8	0.6	-0.5	-1.2	0.1	-1.5
2.	Perlombongan dan pengkuarian Mining and quarrying	-2.9	-19.2	-6.6	-9.8	-3.3	12.6
3.	Pembuatan Manufacturing	1.3	-18.6	3.2	3.0	6.6	26.7
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan Vegetable and animal oils & fats and food processing	-3.4	8.8	7.0	-6.8	-0.3	-2.1
3.2	Minuman dan produk tembakau Beverages and tobacco products	-1.3	-51.0	-2.4	-1.8	4.4	54.9
3.3	Produk tekstil, pakaian dan kulit Textiles, wearing apparel and leather products	3.6	-41.7	-8.5	-1.0	1.9	38.4
3.4	Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	1.2	-32.6	-0.3	2.2	4.0	38.7
3.5	Produk petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic products	3.8	-13.3	2.1	3.0	7.4	28.2
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	-0.04	-40.1	-6.6	-1.9	0.9	33.2
3.7	Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	1.9	-8.9	9.1	7.7	10.6	26.3
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	-1.7	-32.9	4.7	7.1	8.0	43.2
4.	Pembinaan Construction	-7.9	-44.3	-12.2	-13.7	-10.5	40.3
5.	Perkhidmatan Services	3.2	-15.9	-3.6	-4.5	-2.0	14.0
5.1	Utiliti Utilities	0.2	-5.9	0.04	1.7	1.9	7.3
5.2	Perdagangan borong dan runcit Wholesale and retail trade	2.1	-23.0	-2.1	-0.9	1.6	21.5
5.3	Makanan & minuman dan penginapan Food & beverages and accommodation	1.6	-41.1	-29.8	-35.6	-30.2	9.1
5.4	Pengangkutan dan penyimpanan Transportation and storage	-1.5	-44.7	-16.6	-22.9	-16.6	37.5
5.5	Maklumat dan komunikasi Information and communication	6.7	4.7	5.2	7.1	6.0	5.6
5.6	Kewangan dan insurans Finance and insurance	5.1	-5.7	5.8	6.2	11.2	23.0
5.7	Hartanah dan perkhidmatan perniagaan Real estate and business services	3.7	-24.3	-15.3	-21.2	-17.1	3.2
5.8	Perkhidmatan lain Other services	4.1	-5.5	-0.1	-1.1	-0.9	7.8
tambah Duti import plus Import duties		-15.8	-17.1	-6.4	19.3	17.7	22.8
KDNK pada harga pembeli GDP at purchasers' prices		0.7	-16.9	-2.5	-3.2	-0.2	16.3



8b Quarterly Gross Domestic Product (GDP) by economic activity at constant 2015 prices,
Q1 2020 - Q1 2024: Percentage change from corresponding quarter of preceding year

											(%)
2021		2022 ^e					2023 ^p			2024	
III	IV	I	II	III	IV	I	II	III	IV	I	
-2.2	2.9	1.6	-1.6	2.3	2.5	1.4	-0.7	0.3	1.9	1.6	
-3.6	-0.9	-1.0	-1.7	10.4	7.3	1.6	-2.1	-1.1	3.5	5.7	
-0.9	9.1	6.7	9.2	13.1	4.0	3.2	0.1	-0.1	-0.3	1.9	
0.6	10.5	5.0	2.5	5.3	4.4	7.2	2.1	4.1	7.2	-0.4	
-40.4	9.5	5.9	28.9	49.9	-4.0	5.5	8.8	4.6	5.4	6.6	
-5.6	4.0	4.9	7.1	12.3	-0.3	0.8	3.7	0.4	-0.1	1.5	
-12.6	5.4	6.9	12.1	15.7	-2.7	-4.0	-1.4	0.7	3.8	4.2	
12.7	6.6	-0.4	-0.8	4.2	0.9	1.8	-1.6	-2.4	-0.6	1.1	
-14.2	5.6	5.3	10.5	13.6	2.1	3.5	5.4	5.5	6.2	7.2	
7.1	16.4	15.4	15.5	17.4	9.2	3.8	-1.5	-2.5	-6.0	0.7	
-31.3	2.1	2.6	20.4	37.2	5.0	7.7	0.7	4.5	2.3	2.0	
-20.6	-12.1	-6.0	2.6	15.3	10.2	7.4	6.2	7.2	3.6	11.9	
-4.4	3.3	6.5	11.9	16.8	9.2	7.1	4.5	4.9	4.1	4.7	
-1.8	4.1	1.9	3.8	7.8	0.4	0.6	3.4	2.0	4.3	7.3	
-10.5	1.7	4.4	17.7	24.2	10.0	9.4	4.6	5.5	4.4	3.8	
-16.8	6.1	25.4	36.4	53.3	26.8	12.4	9.5	4.8	4.5	5.5	
-11.8	11.4	24.9	33.9	39.4	21.6	15.9	13.8	13.0	12.8	11.0	
6.0	6.6	6.1	5.6	4.1	4.0	3.8	3.7	3.5	3.3	2.9	
4.4	3.7	-0.9	-1.6	4.5	1.3	1.6	-4.9	-0.9	-5.0	0.1	
-14.7	-4.9	8.8	21.2	35.5	27.2	11.5	7.9	8.0	7.7	8.8	
0.5	3.3	6.4	6.3	7.8	5.7	5.3	5.4	5.2	5.0	5.2	
-14.7	-10.9	-3.2	0.1	27.2	8.8	13.0	7.1	8.5	10.1	5.8	
-4.2	3.5	5.1	8.9	14.4	7.4	5.5	2.8	3.1	2.9	4.2	

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9a Jumlah jam bekerja tahunan mengikut aktiviti ekonomi, 2019- 2023
Annual total hours worked by economic activity, 2019 - 2023

(Juta jam/ Million hours)

Aktiviti ekonomi <i>Economic activity</i>		2019	2020	2021	2022 ^e	2023 ^p
1.	Pertanian <i>Agriculture</i>	3,938	3,779	3,954	4,006	4,070
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	185	168	175	181	185
3.	Pembuatan <i>Manufacturing</i>	6,118	5,568	5,917	6,400	6,632
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	1,001	950	1,018	1,115	1,177
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	49	42	41	42	44
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	515	504	521	564	553
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	765	653	665	745	780
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	1,004	945	1,015	1,059	1,085
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>	904	813	853	909	930
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	1,402	1,262	1,371	1,488	1,559
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	477	400	434	478	503
4.	Pembinaan <i>Construction</i>	3,498	2,972	3,072	3,291	3,344
5.	Perkhidmatan <i>Services</i>	21,286	19,484	20,722	22,243	23,153
5.1	Utiliti <i>Utilities</i>	244	225	236	255	263
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	6,092	5,571	5,894	6,451	6,604
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	3,807	3,370	3,641	3,907	4,268
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	1,320	1,159	1,246	1,388	1,463
5.5	Maklumat dan komunikasi <i>Information and communication</i>	556	525	579	619	638
5.6	Kewangan dan insurans <i>Finance and insurance</i>	863	802	843	842	869
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	2,695	2,469	2,555	2,723	2,850
5.8	Perkhidmatan lain <i>Other services</i>	5,708	5,363	5,727	6,059	6,198
Jumlah jam bekerja <i>Total hours worked</i>		35,025	31,970	33,840	36,122	37,384



9b Jumlah jam bekerja tahunan mengikut aktiviti ekonomi, 2019 - 2023: Perubahan peratusan tahunan
 Annual total hours worked by economic activity, 2019 - 2023: Annual percentage change

		Aktiviti ekonomi Economic activity					(%)
		2019	2020	2021	2022 ^e	2023 ^p	
1.	Pertanian <i>Agriculture</i>	1.8	-4.0	4.6	1.3	1.6	RINGKASAN PENEMUAN Summary of Findings
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	-0.3	-9.4	4.2	3.9	2.0	
3.	Pembuatan <i>Manufacturing</i>	1.3	-9.0	6.3	8.2	3.6	
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	4.8	-5.1	7.1	9.6	5.5	
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	3.1	-14.8	-2.9	4.3	4.9	
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	4.3	-2.3	3.6	8.1	-1.9	
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	-0.9	-14.7	1.8	12.1	4.7	
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	-0.9	-5.9	7.4	4.3	2.5	
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>	1.3	-10.1	4.8	6.6	2.3	JADUAL Tables
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	0.7	-10.0	8.6	8.5	4.8	
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	0.5	-16.2	8.4	10.3	5.2	INDEKS Indices
4.	Pembinaan <i>Construction</i>	-3.3	-15.0	3.4	7.1	1.6	
5.	Perkhidmatan <i>Services</i>	3.3	-8.5	6.4	7.3	4.1	NOTA TEKNIKAL Technical Notes
5.1	Utiliti <i>Utilities</i>	2.6	-7.7	4.7	8.3	3.0	
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	2.7	-8.6	5.8	9.4	2.4	
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	8.0	-11.5	8.1	7.3	9.2	
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	2.5	-12.2	7.5	11.3	5.4	
5.5	Maklumat dan komunikasi <i>Information and communication</i>	4.4	-5.6	10.3	7.0	3.1	
5.6	Kewangan dan insurans <i>Finance and insurance</i>	2.0	-7.1	5.1	-0.2	3.2	
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	2.6	-8.4	3.5	6.6	4.7	
5.8	Perkhidmatan lain <i>Other services</i>	1.7	-6.0	6.8	5.8	2.3	
Jumlah jam bekerja <i>Total hours worked</i>		2.1	-8.7	5.8	6.7	3.5	



10a Jumlah jam bekerja suku tahunan mengikut aktiviti ekonomi, ST1 2020 - ST1 2024

(Juta jam/ Million hours)

Aktiviti ekonomi <i>Economic activity</i>		2020				2021	
		I	II	III	IV	I	II
1.	Pertanian <i>Agriculture</i>	975	849	982	972	983	991
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	45	35	47	41	44	43
3.	Pembuatan <i>Manufacturing</i>	1,509	1,077	1,473	1,510	1,488	1,424
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	251	201	245	254	247	248
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	12	9	11	10	10	10
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	136	110	125	133	133	125
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	186	112	178	177	173	154
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	246	200	247	252	253	250
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>	223	152	215	223	223	202
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	340	233	343	347	338	330
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	115	60	110	115	111	105
4.	Pembinaan <i>Construction</i>	824	495	830	823	809	754
5.	Perkhidmatan <i>Services</i>	5,257	3,781	5,213	5,232	5,214	5,101
5.1	Utiliti <i>Utilities</i>	60	45	60	60	60	58
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	1,485	1,083	1,501	1,501	1,476	1,436
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	947	639	871	913	902	884
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	331	200	310	318	327	301
5.5	Maklumat dan komunikasi <i>Information and communication</i>	136	94	145	149	140	143
5.6	Kewangan dan insurans <i>Finance and insurance</i>	210	168	212	212	213	211
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	680	466	658	665	651	635
5.8	Perkhidmatan lain <i>Other services</i>	1,408	1,087	1,456	1,412	1,445	1,433
Jumlah jam bekerja <i>Total hours worked</i>		8,611	6,237	8,545	8,578	8,538	8,312



10a Quarterly total hours worked by economic activity, Q1 2020 - Q1 2024

(Juta jam/ Million hours)

2021		2022 ^e				2023 ^p				2024
III	IV	I	II	III	IV	I	II	III	IV	I
997	983	987	1,002	1,017	1,000	1,005	1,021	1,035	1,009	1,012
44	45	45	45	46	46	46	47	46	47	47
1,430	1,575	1,589	1,585	1,595	1,631	1,637	1,652	1,669	1,674	1,674
250	272	278	275	278	285	291	289	299	297	298
10	10	11	10	11	11	11	11	10	12	13
126	138	145	144	139	136	140	143	136	133	138
156	183	183	184	186	192	188	193	200	199	192
251	261	264	263	265	267	269	271	272	274	281
200	228	227	225	227	230	230	228	234	238	233
335	368	361	368	372	387	378	392	393	396	393
102	116	120	117	117	124	129	124	125	126	128
699	811	827	814	823	827	834	836	839	835	830
5,046	5,361	5,487	5,493	5,558	5,706	5,725	5,744	5,830	5,854	5,889
55	62	63	62	63	67	65	65	66	67	66
1,442	1,541	1,576	1,592	1,618	1,665	1,644	1,653	1,653	1,653	1,681
910	945	977	954	981	995	1,041	1,045	1,088	1,094	1,086
294	325	338	339	346	365	363	364	365	371	365
144	152	149	149	157	164	156	158	160	164	163
207	213	215	214	209	204	205	222	219	224	226
613	655	672	670	670	711	715	704	717	713	726
1,381	1,468	1,497	1,512	1,514	1,536	1,536	1,533	1,562	1,568	1,577
8,214	8,775	8,935	8,939	9,039	9,210	9,247	9,299	9,419	9,418	9,452

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10b Jumlah jam bekerja suku tahunan mengikut aktiviti ekonomi, ST1 2020 - ST1 2024:
Perubahan peratusan dari suku tahun yang sama tahun sebelumnya

		2020				2021	
Aktiviti ekonomi Economic activity		I	II	III	IV	I	II
1.	Pertanian Agriculture	-1.7	-13.1	-1.1	-0.3	0.8	16.7
2.	Perlombongan dan pengkuarian Mining and quarrying	-5.6	-25.1	-2.4	-4.5	-2.5	22.6
3.	Pembuatan Manufacturing	-0.7	-29.1	-3.4	-2.9	-1.4	32.3
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan Vegetable and animal oils & fats and food processing	1.1	-19.6	-3.1	1.2	-1.3	23.8
3.2	Minuman dan produk tembakau Beverages and tobacco products	-2.2	-30.8	-12.3	-13.8	-14.6	11.4
3.3	Produk tekstil, pakaian dan kulit Textiles, wearing apparel and leather products	4.6	-13.0	0.01	-0.9	-1.8	13.0
3.4	Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	-1.4	-42.2	-7.3	-7.4	-7.3	37.1
3.5	Produk petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic products	-0.4	-20.0	-1.0	-2.2	2.9	25.3
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	-2.4	-31.5	-4.6	-2.3	-0.1	32.5
3.7	Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	-2.4	-32.8	-2.9	-2.0	-0.7	41.8
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	-1.2	-48.8	-5.6	-9.8	-3.6	75.7
4.	Pembinaan Construction	-6.4	-42.7	-3.8	-7.7	-1.9	52.2
5.	Perkhidmatan Services	-0.6	-28.5	-2.7	-2.2	-0.8	34.9
5.1	Utiliti Utilities	-1.0	-25.5	-1.7	-3.0	0.4	30.2
5.2	Perdagangan borong dan runcit Wholesale and retail trade	-0.2	-29.5	-2.8	-1.4	-0.6	32.6
5.3	Makanan & minuman dan penginapan Food & beverages and accommodation	0.9	-31.0	-8.5	-7.9	-4.7	38.5
5.4	Pengangkutan dan penyimpanan Transportation and storage	-1.9	-37.3	-4.0	-6.8	-1.3	50.7
5.5	Maklumat dan komunikasi Information and communication	3.4	-30.7	3.5	0.8	2.5	52.0
5.6	Kewangan dan insurans Finance and insurance	-1.9	-22.2	-2.0	-2.2	1.5	25.3
5.7	Hartanah dan perkhidmatan perniagaan Real estate and business services	0.5	-29.4	-2.8	-2.6	-4.2	36.3
5.8	Perkhidmatan lain Other services	-2.4	-24.3	0.8	1.9	2.6	31.9
Jumlah jam bekerja Total hours worked		-1.4	-28.3	-2.8	-2.7	-0.8	33.3



10b Quarterly total hours worked by economic activity, Q1 2020 - Q1 2024:
Percentage change from corresponding quarter of preceding year

(%)										
2021		2022 ^e				2023 ^p				2024
III	IV	I	II	III	IV	I	II	III	IV	I
1.5	1.1	0.4	1.1	2.1	1.7	1.8	1.9	1.8	0.9	0.7
-7.3	9.3	3.9	4.8	4.8	2.0	0.9	4.7	0.4	2.0	3.0
-3.0	4.3	6.8	11.3	11.6	3.6	3.1	4.2	4.6	2.6	2.3
2.2	7.0	12.5	10.7	10.9	4.7	4.8	5.3	7.8	4.2	2.1
-4.4	0.7	6.1	6.7	3.1	1.5	-0.03	11.9	-1.0	9.1	17.5
0.9	3.8	8.9	15.1	10.7	-1.5	-3.4	-0.1	-2.3	-1.6	-1.5
-12.5	3.5	6.2	19.4	19.5	5.1	2.6	5.1	7.5	3.7	1.9
1.4	3.6	4.3	4.9	5.7	2.4	2.1	3.1	2.5	2.4	4.2
-6.9	2.2	1.9	11.4	13.7	0.8	1.5	1.5	2.8	3.4	1.1
-2.2	6.0	6.8	11.3	11.0	5.3	4.8	6.5	5.6	2.4	3.9
-7.9	1.2	7.5	12.0	15.3	7.2	7.7	5.5	6.6	1.1	-0.8
-15.7	-1.4	2.3	8.0	17.7	1.9	0.9	2.7	2.0	0.9	-0.5
-3.2	2.5	5.2	7.7	10.2	6.4	4.3	4.6	4.9	2.6	2.9
-7.9	2.6	4.9	5.4	14.1	9.1	3.2	5.0	4.9	-0.8	0.4
-3.9	2.6	6.8	10.9	12.2	8.0	4.3	3.8	2.2	-0.7	2.3
4.5	3.5	8.4	7.9	7.8	5.2	6.5	9.5	10.9	10.0	4.3
-5.3	2.1	3.4	12.6	17.6	12.4	7.5	7.4	5.5	1.6	0.6
-0.9	1.9	6.5	4.4	9.1	7.8	4.4	6.2	2.0	0.1	4.8
-2.6	0.5	0.8	1.9	1.1	-4.5	-4.4	3.3	4.6	9.8	10.0
-6.7	-1.5	3.1	5.6	9.3	8.5	6.4	5.0	7.1	0.4	1.5
-5.2	3.9	3.6	5.6	9.7	4.6	2.6	1.3	3.1	2.1	2.7
-3.9	2.3	4.6	7.5	10.0	5.0	3.5	4.0	4.2	2.3	2.2

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11a Pekerja tahunan mengikut aktiviti ekonomi, 2019 - 2023
Annual employment by economic activity, 2019 - 2023

		('000)				
	Aktiviti ekonomi <i>Economic activity</i>	2019	2020	2021	2022 ^e	2023 ^p
1.	Pertanian <i>Agriculture</i>	1,873	1,866	1,874	1,861	1,874
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	75	74	75	76	76
3.	Pembuatan <i>Manufacturing</i>	2,553	2,552	2,618	2,719	2,797
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	439	448	469	493	521
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	20	18	18	18	19
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	252	251	261	271	262
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	307	299	299	308	320
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	402	410	425	436	441
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	363	367	377	385
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	575	575	590	618	640
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	196	186	188	199	208
4.	Pembinaan <i>Construction</i>	1,463	1,399	1,385	1,382	1,397
5.	Perkhidmatan <i>Services</i>	9,161	9,206	9,338	9,724	10,058
5.1	Utiliti <i>Utilities</i>	103	104	105	109	110
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	2,529	2,557	2,615	2,752	2,811
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	1,633	1,626	1,641	1,729	1,875
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	539	539	535	574	604
5.5	Maklumat dan komunikasi <i>Information and communication</i>	236	243	250	259	272
5.6	Kewangan dan insurans <i>Finance and insurance</i>	375	376	374	375	382
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	1,126	1,137	1,123	1,158	1,189
5.8	Perkhidmatan lain <i>Other services</i>	2,620	2,623	2,694	2,768	2,815
Jumlah pekerja <i>Total employment</i>		15,126	15,096	15,290	15,762	16,201



11b Pekerja tahunan mengikut aktiviti ekonomi, 2019 - 2023: Perubahan peratusan tahunan
Annual employment by economic activity, 2019 - 2023: Annual percentage change

		(%)				
Aktiviti ekonomi <i>Economic activity</i>		2019	2020	2021	2022 ^e	2023 ^p
1.	Pertanian <i>Agriculture</i>	1.6	-0.4	0.4	-0.7	0.7
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	-0.4	-2.3	1.7	1.2	0.5
3.	Pembuatan <i>Manufacturing</i>	2.1	-0.1	2.6	3.9	2.8
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	2.4	2.0	4.7	5.1	5.7
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	2.4	-7.8	-1.8	1.7	3.6
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	5.5	-0.4	3.9	3.7	-3.2
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	1.5	-2.5	0.1	2.8	4.0
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	1.8	2.0	3.6	2.6	1.2
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>	0.5	0.2	1.1	2.7	2.2
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	2.2	0.1	2.6	4.6	3.6
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	0.9	-4.8	0.9	5.7	4.7
4.	Pembinaan <i>Construction</i>	-3.1	-4.4	-1.0	-0.2	1.1
5.	Perkhidmatan <i>Services</i>	3.2	0.5	1.4	4.1	3.4
5.1	Utiliti <i>Utilities</i>	2.2	0.8	1.1	3.3	0.8
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	3.3	1.1	2.2	5.3	2.1
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	7.7	-0.4	0.9	5.3	8.5
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	2.6	-0.1	-0.7	7.3	5.3
5.5	Maklumat dan komunikasi <i>Information and communication</i>	5.6	3.1	2.5	4.0	4.7
5.6	Kewangan dan insurans <i>Finance and insurance</i>	1.7	0.4	-0.5	0.2	1.9
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	3.1	0.9	-1.2	3.0	2.7
5.8	Perkhidmatan lain <i>Other services</i>	0.6	0.1	2.7	2.7	1.7
Jumlah pekerja <i>Total employment</i>		2.1	-0.2	1.3	3.1	2.8

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12a Pekerja suku tahunan mengikut aktiviti ekonomi, ST1 2020 - ST1 2024

						('000)	
Aktiviti ekonomi Economic activity		2020				2021	
		I	II	III	IV	I	II
1.	Pertanian Agriculture	1,883	1,852	1,877	1,851	1,870	1,886
2.	Perlombongan dan pengkuarian Mining and quarrying	74	75	78	68	74	74
3.	Pembuatan Manufacturing	2,576	2,506	2,540	2,584	2,604	2,577
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	445	443	447	458	461	464
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	20	17	17	17	18	17
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	267	244	244	250	263	258
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	307	290	298	302	303	286
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	406	404	411	418	424	425
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	363	360	362	367	372	358
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	576	568	575	583	576	585
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	191	180	185	189	189	183
4.	Pembinaan Construction	1,424	1,364	1,404	1,404	1,391	1,390
5.	Perkhidmatan Services	9,284	9,087	9,197	9,255	9,298	9,279
5.1	Utiliti <i>Utilities</i>	104	103	103	106	106	105
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	2,544	2,557	2,577	2,551	2,578	2,590
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	1,686	1,580	1,593	1,644	1,630	1,634
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	564	523	523	546	556	522
5.5	Maklumat dan komunikasi <i>Information and communication</i>	231	240	248	254	241	247
5.6	Kewangan dan insurans <i>Finance and insurance</i>	374	379	379	373	375	375
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	1,154	1,113	1,139	1,141	1,126	1,122
5.8	Perkhidmatan lain <i>Other services</i>	2,627	2,591	2,634	2,639	2,685	2,683
Jumlah pekerja Total employment		15,243	14,884	15,096	15,162	15,237	15,207



12a Quarterly employment by economic activity, Q1 2020 - Q1 2024

('000)										
2021		2022 ^e				2023 ^p				2024
III	IV	I	II	III	IV	I	II	III	IV	I
1,889	1,849	1,854	1,872	1,878	1,840	1,874	1,877	1,889	1,854	1,875
76	76	76	76	76	76	76	76	76	76	76
2,612	2,678	2,702	2,705	2,731	2,740	2,771	2,780	2,814	2,823	2,820
469	483	486	489	496	502	510	516	530	529	528
18	18	18	18	18	18	19	19	19	19	19
256	268	278	274	271	260	261	262	262	263	266
300	308	309	304	309	308	312	318	324	326	322
424	426	435	435	439	434	440	437	442	445	448
363	375	379	374	376	379	383	379	388	392	390
593	608	600	615	624	632	637	641	642	641	637
188	193	196	195	197	207	210	207	208	208	209
1,374	1,386	1,382	1,383	1,378	1,387	1,391	1,397	1,398	1,403	1,406
9,323	9,451	9,561	9,666	9,768	9,899	9,949	10,017	10,074	10,190	10,224
105	106	107	108	110	110	108	109	110	112	111
2,624	2,666	2,704	2,745	2,766	2,793	2,785	2,798	2,817	2,842	2,858
1,643	1,658	1,694	1,709	1,730	1,782	1,826	1,861	1,880	1,933	1,935
518	543	559	566	576	595	600	603	604	610	616
251	259	252	257	261	267	268	270	272	276	274
374	373	373	373	376	378	381	381	382	385	387
1,116	1,130	1,134	1,152	1,169	1,176	1,183	1,187	1,190	1,197	1,199
2,692	2,717	2,738	2,756	2,781	2,797	2,797	2,809	2,818	2,835	2,843
15,275	15,441	15,575	15,701	15,831	15,942	16,062	16,146	16,251	16,347	16,401

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12b Pekerja suku tahunan mengikut aktiviti ekonomi, ST1 2020 - ST1 2024:
Perubahan peratusan dari suku tahun yang sama tahun sebelumnya

(%)

Aktiviti ekonomi <i>Economic activity</i>		2020				2021	
		I	II	III	IV	I	II
1. Pertanian <i>Agriculture</i>		0.1	-0.5	-0.8	-0.4	-0.7	1.8
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		-1.7	-3.5	-2.3	-1.6	-0.8	-0.2
3. Pembuatan <i>Manufacturing</i>		1.6	-1.3	-0.4	-0.2	1.1	2.8
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	1.8	1.7	1.7	3.0	3.5	4.7
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	1.5	-11.9	-10.1	-10.8	-9.3	-0.5
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	4.4	-2.9	-1.4	-1.7	-1.7	5.6
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	0.7	-5.0	-3.2	-2.6	-1.4	-1.2
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	2.1	0.5	2.3	2.9	4.3	5.3
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>	0.4	-0.4	-0.3	0.9	2.4	-0.5
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	1.7	-0.7	-0.6	0.01	-0.1	3.1
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	0.1	-6.3	-3.9	-8.5	-1.3	1.6
4. Pembinaan <i>Construction</i>		-2.7	-6.3	-2.4	-6.0	-2.4	1.9
5. Perkhidmatan <i>Services</i>		2.5	-0.6	-0.1	0.1	0.1	2.1
5.1	Utiliti <i>Utilities</i>	1.7	0.9	0.7	0.1	1.4	1.7
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	2.3	-0.2	0.9	1.5	1.4	1.3
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	6.4	-2.5	-2.3	-3.0	-3.3	3.4
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	2.5	-0.7	-0.7	-1.6	-1.4	-0.1
5.5	Maklumat dan komunikasi <i>Information and communication</i>	4.5	3.2	3.4	1.5	4.5	2.9
5.6	Kewangan dan insurans <i>Finance and insurance</i>	1.5	-0.1	0.3	-0.2	0.2	-1.1
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	2.4	0.8	0.4	0.1	-2.4	0.8
5.8	Perkhidmatan lain <i>Other services</i>	0.5	-1.0	-0.1	1.0	2.2	3.6
Jumlah pekerja <i>Total employment</i>		1.6	-1.3	-0.4	-0.6	-0.04	2.2



12b Quarterly employment by economic activity, Q1 2020 - Q1 2024:
Percentage change from corresponding quarter of preceding year

(%)										
2021		2022 ^e				2023 ^p				2024
III	IV	I	II	III	IV	I	II	III	IV	I
0.6	-0.1	-0.8	-0.7	-0.6	-0.5	1.1	0.2	0.6	0.8	0.1
-2.3	11.0	2.6	1.8	0.4	0.3	0.5	0.8	0.4	0.2	0.1
2.9	3.6	3.7	4.9	4.5	2.3	2.6	2.8	3.0	3.0	1.7
4.9	5.6	5.5	5.3	5.8	3.9	4.9	5.5	6.8	5.4	3.7
1.6	2.0	1.5	2.9	0.5	1.9	2.1	5.1	4.1	3.2	1.8
5.2	7.0	5.9	6.4	5.7	-3.0	-6.1	-4.4	-3.3	1.3	1.6
0.6	2.3	2.1	6.3	3.1	-0.1	0.9	4.4	4.7	5.8	3.2
3.2	1.8	2.6	2.5	3.5	1.9	1.2	0.4	0.6	2.6	1.8
0.4	2.1	1.9	4.5	3.4	1.3	1.0	1.4	3.2	3.4	2.0
3.2	4.3	4.3	5.0	5.2	4.1	6.2	4.3	2.8	1.4	-0.03
1.7	1.9	4.0	6.8	4.9	7.2	7.0	6.2	5.5	0.4	-0.3
-2.1	-1.2	-0.6	-0.5	0.3	0.02	0.7	1.0	1.4	1.2	1.1
1.4	2.1	2.8	4.2	4.8	4.7	4.1	3.6	3.1	2.9	2.8
1.3	-0.1	1.1	3.3	5.1	3.8	0.7	0.6	0.2	1.7	3.5
1.8	4.5	4.9	6.0	5.4	4.8	3.0	1.9	1.9	1.8	2.6
3.2	0.8	3.9	4.5	5.3	7.5	7.8	8.9	8.7	8.5	5.9
-0.9	-0.4	0.5	8.4	11.2	9.5	7.4	6.5	4.9	2.4	2.6
1.1	1.9	4.5	3.9	3.9	3.4	6.2	5.0	4.5	3.2	2.4
-1.1	-0.1	-0.7	-0.5	0.3	1.5	2.3	2.0	1.7	1.7	1.4
-2.0	-1.0	0.7	2.7	4.7	4.0	4.2	3.0	1.8	1.8	1.4
2.2	2.9	2.0	2.7	3.3	2.9	2.2	1.9	1.4	1.4	1.6
1.2	1.8	2.2	3.2	3.6	3.2	3.1	2.8	2.7	2.5	2.1

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I1 Produktiviti buruh tahunan, indeks produktiviti buruh per jam bekerja mengikut aktiviti ekonomi (2015=100), 2019 - 2023
Annual labour productivity, index of labour productivity per hour worked by economic activity (2015=100), 2019 - 2023

Aktiviti ekonomi <i>Economic activity</i>		2019	2020	2021	2022 ^e	2023 ^p
1.	Pertanian <i>Agriculture</i>	102.4	104.1	99.2	99.1	98.3
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	102.8	102.4	99.1	98.8	97.4
3.	Pembuatan <i>Manufacturing</i>	113.6	121.3	125.0	125.0	121.5
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	103.8	110.9	105.7	100.6	100.2
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	107.3	105.8	109.5	122.7	124.2
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	108.5	96.7	100.1	97.9	101.0
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	127.8	138.7	144.8	138.9	132.2
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	111.0	116.7	122.8	119.0	115.2
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	108.3	104.8	103.9	104.8	107.7
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	120.7	137.3	145.0	152.6	143.3
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	122.4	138.3	129.3	134.0	131.8
4.	Pembinaan <i>Construction</i>	125.8	119.4	109.5	107.5	112.2
5.	Perkhidmatan <i>Services</i>	115.0	119.1	114.5	118.4	119.6
5.1	Utiliti <i>Utilities</i>	114.2	122.5	120.3	114.9	114.5
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	112.9	116.3	112.3	116.8	120.7
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	111.7	92.6	76.5	96.0	94.6
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	116.9	104.5	98.4	114.4	123.5
5.5	Maklumat dan komunikasi <i>Information and communication</i>	118.3	132.7	127.7	125.3	125.8
5.6	Kewangan dan insurans <i>Finance and insurance</i>	111.9	123.9	129.7	131.0	124.0
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	119.4	111.4	97.8	112.6	117.0
5.8	Perkhidmatan lain <i>Other services</i>	121.6	128.5	123.5	124.4	127.9
Produktiviti buruh <i>Labour productivity</i>		113.0	117.0	114.2	116.5	116.6



12 Produktiviti buruh tahunan, indeks produktiviti buruh per pekerja mengikut aktiviti ekonomi (2015=100), 2019 - 2023
Annual labour productivity, index of labour productivity per employment by economic activity (2015=100), 2019 - 2023

Aktiviti ekonomi <i>Economic activity</i>		2019	2020	2021	2022 ^e	2023 ^p
1.	Pertanian <i>Agriculture</i>	104.3	102.2	101.5	103.5	103.5
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	104.6	96.6	95.9	98.0	98.1
3.	Pembuatan <i>Manufacturing</i>	112.3	109.3	116.6	121.4	118.9
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	105.7	105.1	102.4	101.6	101.0
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	109.3	99.5	102.0	117.2	120.1
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	112.2	98.1	101.2	103.2	107.9
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	124.4	118.2	125.5	131.3	125.8
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	108.9	105.7	115.3	113.6	111.4
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>	107.8	93.6	96.3	100.8	103.7
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	117.6	120.4	134.5	146.8	139.4
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	120.6	119.9	120.3	130.2	128.6
4.	Pembinaan <i>Construction</i>	124.5	105.0	100.5	105.9	111.1
5.	Perkhidmatan <i>Services</i>	113.2	106.8	107.7	114.8	116.6
5.1	Utiliti <i>Utilities</i>	115.5	113.4	115.4	115.5	117.6
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	111.1	103.5	103.5	111.8	115.9
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	110.5	81.4	72.0	92.0	91.4
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	116.1	91.2	93.0	112.2	121.3
5.5	Maklumat dan komunikasi <i>Information and communication</i>	117.6	120.8	124.9	126.1	124.7
5.6	Kewangan dan insurans <i>Finance and insurance</i>	110.5	113.3	125.4	126.2	120.9
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	116.6	98.7	90.8	108.1	114.4
5.8	Perkhidmatan lain <i>Other services</i>	118.3	117.4	117.2	121.6	125.8
Produktiviti buruh <i>Labour productivity</i>		111.9	106.0	108.1	114.2	115.1

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13 Produktiviti buruh tahunan, indeks produktiviti buruh per jam bekerja mengikut 11 subsektor keutamaan (2015=100), 2019 - 2023
Annual labour productivity, index of labour productivity per hour worked by 11 priority sub-sectors (2015=100), 2019 - 2023

	Aktiviti ekonomi <i>Economic activity</i>	2019	2020	2021	2022^e	2023^p
1.	Agromakanan <i>Agro-food</i>	103.4	108.7	107.0	103.6	104.2
2.	Kimia dan produk kimia <i>Chemicals and chemical products</i>	114.5	117.1	127.7	123.8	123.4
3.	Elektrik dan elektronik <i>Electrical and electronics</i>	121.7	140.9	148.7	156.4	144.8
4.	Mesin dan peralatan <i>Machinery and equipment</i>	116.7	124.5	131.0	131.6	131.5
5.	Pembinaan & alam bina <i>Construction & built environment</i>	125.8	119.4	109.5	107.5	112.2
6.	Peruncitan dan makanan & minuman <i>Retail and food & beverages</i>	116.9	115.3	108.6	119.8	119.4
7.	Logistik <i>Logistic</i>	118.0	106.9	100.7	113.2	121.6
8.	Pelancongan <i>Tourism</i>	117.6	73.3	54.6	112.9	135.3
9.	Teknologi, maklumat dan komunikasi (ICT) <i>Information, communication and technology (ICT)</i>	118.3	132.7	127.7	125.3	125.8
10.	Perkhidmatan professional <i>Professional services</i>	128.3	129.7	114.8	126.8	131.5
11.	Penjagaan kesihatan swasta <i>Private healthcare</i>	109.2	107.6	115.3	118.6	123.8
	Produktiviti buruh <i>Labour productivity</i>	118.3	122.3	119.2	125.3	126.6



I4 Produktiviti buruh tahunan, indeks produktiviti buruh per pekerja mengikut 11 subsektor keutamaan (2015=100),
2019 - 2023
*Annual labour productivity, index of labour productivity per employment by 11 priority sub-sectors (2015=100),
2019 - 2023*

	Aktiviti ekonomi <i>Economic activity</i>	2019	2020	2021	2022 ^e	2023 ^p
1.	Agromakanan <i>Agro-food</i>	107.4	107.2	110.3	110.7	112.4
2.	Kimia dan produk kimia <i>Chemicals and chemical products</i>	108.8	104.5	115.1	117.6	118.4
3.	Elektrik dan elektronik <i>Electrical and electronics</i>	118.6	123.2	137.9	150.4	140.5
4.	Mesin dan peralatan <i>Machinery and equipment</i>	112.9	110.1	120.8	126.5	129.4
5.	Pembinaan & alam bina <i>Construction & built environment</i>	124.5	105.0	100.5	105.9	111.1
6.	Peruncitan dan makanan & minuman <i>Retail and food & beverages</i>	114.7	102.6	100.9	114.3	114.6
7.	Logistik <i>Logistic</i>	117.3	95.2	96.0	112.2	120.1
8.	Pelancongan <i>Tourism</i>	116.6	60.0	46.7	107.9	130.9
9.	Teknologi, maklumat dan komunikasi (ICT) <i>Information, communication and technology (ICT)</i>	117.6	120.8	124.9	126.1	124.7
10.	Perkhidmatan professional <i>Professional services</i>	127.3	114.6	110.2	123.0	131.3
11.	Penjagaan kesihatan swasta <i>Private healthcare</i>	110.1	101.5	111.2	118.7	125.5
	Produktiviti buruh <i>Labour productivity</i>	117.1	109.0	111.8	122.3	124.3

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I5 Produktiviti buruh suku tahunan, indeks produktiviti buruh per jam bekerja mengikut aktiviti ekonomi (2015=100),
ST1 2020 - ST1 2024

Aktiviti ekonomi <i>Economic activity</i>		2020				2021	
		I	II	III	IV	I	II
1. Pertanian <i>Agriculture</i>		91.7	114.1	112.9	98.9	91.0	96.3
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		105.2	113.9	86.3	108.2	104.3	104.6
3. Pembuatan <i>Manufacturing</i>		111.6	131.3	122.9	122.5	120.6	125.8
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	92.3	141.2	116.4	100.2	93.3	111.6
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	90.7	86.3	126.4	118.3	110.9	119.9
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	98.9	80.9	102.4	102.4	102.7	99.1
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	135.7	148.2	136.2	138.5	152.1	149.9
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	110.5	116.8	119.2	120.4	115.3	119.5
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>	100.5	104.4	110.7	103.5	101.5	105.0
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	131.9	160.6	130.4	133.8	147.0	143.1
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	104.5	163.5	139.9	157.8	117.0	133.2
4. Pembinaan <i>Construction</i>		123.5	120.3	118.8	115.4	112.7	110.9
5. Perkhidmatan <i>Services</i>		114.3	132.7	115.1	118.2	113.0	112.1
5.1	Utiliti <i>Utilities</i>	113.3	146.6	117.7	118.5	115.0	120.9
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	108.7	116.9	116.9	122.7	111.0	107.2
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	108.1	95.1	85.7	81.3	79.1	75.0
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	110.6	104.7	104.3	98.2	93.4	95.6
5.5	Maklumat dan komunikasi <i>Information and communication</i>	124.9	184.1	121.6	118.3	129.2	127.9
5.6	Kewangan dan insurans <i>Finance and insurance</i>	119.4	131.6	120.2	125.9	130.8	129.2
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	118.1	130.4	102.8	99.6	102.2	98.7
5.8	Perkhidmatan lain <i>Other services</i>	122.4	146.2	119.6	130.3	118.2	119.5
Produktiviti buruh <i>Labour productivity</i>		111.2	129.5	114.5	116.2	111.9	113.1



15 Quarterly labour productivity, index of labour productivity per hour worked by economic activity (2015=100),
Q1 2020 - Q1 2024

2021		2022 ^e				2023 ^p				2024
III	IV	I	II	III	IV	I	II	III	IV	I
108.8	100.6	92.2	93.7	109.0	101.4	91.8	91.4	107.4	102.4	92.6
89.8	98.1	99.4	98.1	94.6	103.1	100.0	91.7	93.2	104.7	102.7
125.5	128.1	120.5	123.4	127.3	128.6	120.7	118.6	121.5	125.0	120.3
114.5	103.5	87.1	103.4	108.8	103.1	89.1	100.3	105.0	106.1	86.9
78.8	128.7	110.6	145.0	114.6	121.8	116.8	140.9	121.1	117.6	106.0
95.8	102.6	98.8	92.1	97.2	103.8	103.2	95.7	100.0	105.4	106.4
136.0	141.1	153.1	140.7	131.7	130.7	143.3	131.9	123.3	130.9	146.6
132.5	123.8	110.1	113.1	130.6	122.0	109.8	107.9	124.4	118.4	106.6
102.0	107.0	104.9	104.1	101.9	108.4	106.9	108.1	104.5	111.4	113.4
142.8	146.9	158.7	148.5	151.1	152.2	157.2	137.4	139.5	139.7	152.4
104.4	159.2	111.7	143.2	124.2	155.8	111.7	136.7	121.8	157.7	114.8
112.0	102.9	103.6	105.3	109.7	111.2	110.2	109.0	115.3	114.1	124.0
113.6	119.1	114.3	116.6	120.4	122.2	117.4	116.5	120.4	124.0	119.5
125.5	120.3	111.7	119.0	118.6	110.6	108.9	117.2	115.4	116.3	116.2
109.0	121.6	108.5	113.8	120.6	123.7	113.9	114.6	124.4	130.1	115.7
68.2	83.4	91.6	94.8	97.1	100.5	96.7	94.8	91.7	95.5	97.8
97.1	107.2	112.8	113.7	115.1	115.9	121.6	120.4	123.2	128.8	134.2
130.0	123.7	128.7	129.5	124.1	119.4	128.0	126.4	125.9	123.1	125.7
128.9	129.9	128.7	124.9	133.2	137.8	136.8	114.9	126.2	119.2	124.5
94.1	96.2	107.8	113.4	116.7	112.8	112.9	116.5	117.7	120.9	121.1
126.8	129.5	121.4	120.3	124.7	130.9	124.6	125.1	127.2	134.5	127.7
114.2	117.6	112.4	114.4	118.6	120.3	114.6	113.1	117.4	121.1	116.8

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16 Produktiviti buruh suku tahunan, indeks produktiviti buruh per pekerja mengikut aktiviti ekonomi (2015=100),
ST1 2020 - ST1 2024

Aktiviti ekonomi <i>Economic activity</i>		2020				2021	
		I	II	III	IV	I	II
1.	Pertanian <i>Agriculture</i>	92.1	101.5	114.5	100.7	92.8	98.1
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	104.9	88.1	87.1	107.8	102.3	99.3
3.	Pembuatan <i>Manufacturing</i>	107.9	93.1	117.7	118.1	113.7	114.7
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	93.0	114.1	114.0	99.4	89.5	106.6
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	89.4	69.9	125.6	114.4	102.9	108.8
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	101.8	74.0	106.0	109.9	105.5	97.0
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	128.4	89.5	126.8	126.7	135.4	125.7
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	105.2	90.9	112.6	113.9	108.2	110.7
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>	98.3	70.6	104.7	100.5	96.9	94.5
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	124.5	105.3	124.4	127.2	137.8	129.1
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	101.9	87.5	134.9	154.2	111.6	123.2
4.	Pembinaan <i>Construction</i>	118.3	72.3	116.2	112.0	108.5	99.6
5.	Perkhidmatan <i>Services</i>	109.7	93.6	110.5	113.3	107.3	104.5
5.1	Utiliti <i>Utilities</i>	111.8	109.5	117.3	115.0	112.3	115.5
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	103.7	80.9	111.3	118.0	103.9	97.1
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	102.9	65.2	79.5	76.7	74.3	68.8
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	105.1	65.0	100.4	93.0	89.0	89.4
5.5	Maklumat dan komunikasi <i>Information and communication</i>	124.5	121.5	120.2	117.3	126.3	124.6
5.6	Kewangan dan insurans <i>Finance and insurance</i>	114.9	100.1	115.6	122.9	127.4	124.5
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	113.6	89.1	96.9	94.8	96.5	91.2
5.8	Perkhidmatan lain <i>Other services</i>	117.2	109.6	118.1	124.5	113.7	114.0
Produktiviti buruh <i>Labour productivity</i>		107.5	92.9	110.9	112.5	107.3	105.7



16 Quarterly labour productivity, index of labour productivity per employment by economic activity (2015=100),
Q1 2020 - Q1 2024

2021		2022 ^e				2023 ^p				2024
III	IV	I	II	III	IV	I	II	III	IV	I
111.3	103.7	95.1	97.3	114.5	106.9	95.4	96.3	114.2	108.1	96.9
85.9	96.2	98.7	95.9	94.5	102.9	99.7	93.2	93.1	106.3	105.4
113.4	124.4	117.0	119.4	122.7	126.4	117.8	116.3	118.9	122.4	118.0
109.3	104.0	89.1	103.8	108.8	104.5	91.1	100.5	106.0	106.3	87.5
73.7	122.9	107.3	136.3	110.0	115.8	110.9	141.1	110.4	118.3	116.1
95.2	106.9	104.6	97.6	101.2	109.8	112.3	105.9	105.1	108.4	112.2
110.2	130.5	141.7	132.6	123.7	127.1	134.8	125.2	118.9	124.7	136.1
123.0	119.3	105.1	107.2	123.9	118.1	105.8	105.0	120.1	114.4	105.1
89.5	103.9	100.1	99.9	98.3	104.8	102.6	103.9	100.5	107.7	107.8
129.1	142.0	152.4	142.0	143.9	149.0	149.0	134.2	136.5	138.1	150.1
91.2	154.6	110.0	139.0	119.2	151.4	110.8	131.8	118.0	154.2	113.4
94.3	99.7	102.6	102.7	108.4	109.8	109.5	108.0	114.6	112.4	121.2
104.2	114.5	111.2	112.3	116.1	119.4	114.5	113.2	118.1	120.7	116.6
113.8	119.9	113.2	116.1	116.7	115.9	113.1	119.4	118.8	118.9	117.2
97.8	114.9	103.4	107.8	115.2	120.5	109.9	110.6	119.3	123.6	111.2
64.1	80.6	89.6	89.8	93.4	95.1	93.5	90.3	90.1	91.7	93.1
89.4	104.0	110.6	110.4	112.0	115.5	119.3	118.0	120.7	127.2	129.0
126.0	122.8	128.2	126.6	126.3	123.5	125.4	125.0	125.0	123.5	126.0
122.1	127.5	127.2	123.2	127.1	127.2	126.3	114.7	123.9	118.8	124.6
84.4	91.0	104.2	107.7	109.2	111.3	111.5	112.8	115.8	117.6	119.6
116.2	125.0	118.6	117.9	121.3	128.3	122.2	121.9	125.9	132.9	126.6
105.0	114.4	110.4	111.5	115.9	118.9	112.9	111.4	116.4	119.4	115.2

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17 Indeks jam bekerja tahunan mengikut aktiviti ekonomi (2015=100), 2019 - 2023
Annual hours worked index by economic activity (2015=100), 2019 - 2023

Aktiviti ekonomi <i>Economic activity</i>		2019	2020	2021	2022 ^e	2023 ^p
1.	Pertanian <i>Agriculture</i>	101.7	97.6	102.1	103.5	105.1
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	97.1	88.0	91.7	95.3	97.1
3.	Pembuatan <i>Manufacturing</i>	106.2	96.6	102.7	111.0	115.1
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	116.7	110.7	118.6	129.9	137.1
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	112.6	95.9	93.2	97.2	102.0
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	117.0	114.3	118.4	128.0	125.6
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	95.4	81.4	82.9	92.9	97.2
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	104.7	98.5	105.9	110.4	113.2
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>	110.3	99.2	104.0	110.8	113.4
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	105.2	94.7	102.8	111.6	116.9
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	94.1	78.9	85.5	94.4	99.2
4.	Pembinaan <i>Construction</i>	95.4	81.1	83.8	89.8	91.2
5.	Perkhidmatan <i>Services</i>	110.8	101.4	107.8	115.8	120.5
5.1	Utiliti <i>Utilities</i>	105.9	97.7	102.3	110.8	114.1
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	116.8	106.8	113.0	123.7	126.6
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	123.1	108.9	117.7	126.3	138.0
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	109.0	95.7	102.9	114.6	120.8
5.5	Maklumat dan komunikasi <i>Information and communication</i>	114.3	107.9	118.9	127.2	131.2
5.6	Kewangan dan insurans <i>Finance and insurance</i>	106.1	98.6	103.7	103.5	106.8
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	112.0	102.6	106.2	113.2	118.4
5.8	Perkhidmatan lain <i>Other services</i>	99.1	93.1	99.4	105.2	107.6
Jumlah jam bekerja <i>Total hours worked</i>		107.1	97.7	103.5	110.4	114.3



18 Indeks pekerja tahunan mengikut aktiviti ekonomi (2015=100), 2019 - 2023
Annual employment index by economic activity (2015=100), 2019 - 2023

Aktiviti ekonomi <i>Economic activity</i>		2019	2020	2021	2022 ^e	2023 ^p
1.	Pertanian <i>Agriculture</i>	99.8	99.4	99.9	99.2	99.9
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	95.4	93.3	94.8	96.0	96.5
3.	Pembuatan <i>Manufacturing</i>	107.3	107.3	110.1	114.3	117.6
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	114.6	116.9	122.4	128.6	135.9
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	110.6	102.0	100.1	101.8	105.5
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	113.2	112.7	117.1	121.4	117.5
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	98.0	95.5	95.6	98.3	102.2
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	106.7	108.8	112.7	115.7	117.1
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	110.8	111.0	112.2	115.3	117.9
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	107.9	108.0	110.8	116.0	120.2
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	95.6	91.0	91.9	97.1	101.7
4.	Pembinaan <i>Construction</i>	96.4	92.2	91.3	91.1	92.1
5.	Perkhidmatan <i>Services</i>	112.5	113.1	114.7	119.4	123.5
5.1	Utiliti <i>Utilities</i>	104.7	105.5	106.7	110.2	111.1
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	118.7	120.0	122.7	129.2	131.9
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	124.5	124.0	125.1	131.8	143.0
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	109.8	109.7	108.9	116.9	123.1
5.5	Maklumat dan komunikasi <i>Information and communication</i>	114.9	118.5	121.6	126.4	132.3
5.6	Kewangan dan insurans <i>Finance and insurance</i>	107.4	107.8	107.3	107.5	109.6
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	114.7	115.8	114.4	117.9	121.1
5.8	Perkhidmatan lain <i>Other services</i>	101.9	102.0	104.7	107.6	109.4
Jumlah pekerja <i>Total employment</i>		108.1	107.9	109.3	112.6	115.8

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19 Indeks jam bekerja suku tahunan mengikut aktiviti ekonomi (2015=100), ST1 2020 - ST1 2024

Aktiviti ekonomi <i>Economic activity</i>		2020				2021	
		I	II	III	IV	I	II
1. Pertanian <i>Agriculture</i>		100.8	87.8	101.5	100.5	101.6	102.4
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		94.0	72.9	98.9	86.2	91.7	89.3
3. Pembuatan <i>Manufacturing</i>		104.7	74.7	102.2	104.8	103.3	98.8
3.1	Minyak dan lemak daripada sayuran & haiwan dan proses makanan <i>Vegetable and animal oils & fats and food processing</i>	116.8	93.5	114.2	118.4	115.2	115.7
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	111.5	79.0	98.2	95.1	95.2	88.0
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	123.5	100.2	113.1	120.5	121.2	113.2
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	92.8	55.9	88.7	88.0	86.1	76.7
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	102.6	83.4	103.2	105.0	105.6	104.5
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>	108.6	74.4	104.7	108.9	108.5	98.5
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	102.0	69.9	102.8	104.0	101.3	99.2
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	91.1	47.1	87.0	90.4	87.8	82.7
4. Pembinaan <i>Construction</i>		89.9	54.1	90.5	89.8	88.2	82.2
5. Perkhidmatan <i>Services</i>		109.4	78.7	108.5	108.9	108.5	106.2
5.1	Utiliti <i>Utilities</i>	104.1	77.8	104.3	104.6	104.5	101.3
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	113.9	83.1	115.1	115.1	113.2	110.1
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	122.4	82.6	112.6	118.1	116.6	114.4
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	109.3	66.0	102.5	105.2	107.9	99.5
5.5	Maklumat dan komunikasi <i>Information and communication</i>	112.2	77.3	119.4	122.6	115.0	117.4
5.6	Kewangan dan insurans <i>Finance and insurance</i>	103.2	82.6	104.3	104.4	104.8	103.5
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	113.1	77.4	109.3	110.6	108.3	105.5
5.8	Perkhidmatan lain <i>Other services</i>	97.8	75.4	101.1	98.1	100.3	99.5
Jumlah jam bekerja <i>Total hours worked</i>		105.3	76.3	104.5	104.9	104.4	101.7



19 Quarterly hours worked index by economic activity (2015=100), Q1 2020 - Q1 2024

2021		2022 ^e				2023 ^p				2024
III	IV	I	II	III	IV	I	II	III	IV	I
103.0	101.6	102.0	103.6	105.1	103.3	103.8	105.5	107.0	104.3	104.6
91.7	94.2	95.2	93.6	96.1	96.1	96.1	98.1	96.5	98.0	98.9
99.2	109.3	110.3	110.0	110.7	113.2	113.6	114.6	115.8	116.2	116.2
116.7	126.6	129.6	128.1	129.4	132.6	135.8	134.8	139.5	138.2	138.7
93.8	95.8	101.0	93.9	96.8	97.2	101.0	105.1	95.8	106.1	118.6
114.2	125.1	132.0	130.4	126.4	123.2	127.5	130.2	123.5	121.2	125.6
77.6	91.1	91.4	91.5	92.8	95.7	93.7	96.2	99.8	99.2	95.5
104.6	108.8	110.2	109.5	110.6	111.4	112.4	112.9	113.3	114.1	117.1
97.5	111.3	110.6	109.8	110.8	112.1	112.3	111.4	114.0	116.0	113.6
100.6	110.3	108.2	110.4	111.6	116.2	113.4	117.5	117.8	119.0	117.8
80.2	91.5	94.4	92.6	92.4	98.1	101.7	97.6	98.5	99.2	100.9
76.3	88.5	90.2	88.9	89.8	90.2	91.0	91.2	91.5	91.1	90.6
105.0	111.6	114.2	114.3	115.7	118.8	119.2	119.6	121.4	121.9	122.6
96.1	107.3	109.6	106.8	109.7	117.1	113.1	112.1	115.0	116.2	113.6
110.6	118.2	120.9	122.1	124.1	127.7	126.1	126.8	126.8	126.8	128.9
117.7	122.2	126.4	123.4	126.9	128.6	134.6	135.1	140.7	141.5	140.4
97.0	107.4	111.5	112.0	114.2	120.7	120.0	120.3	120.5	122.6	120.7
118.4	125.0	122.5	122.5	129.1	134.8	127.9	130.1	131.8	134.9	133.9
101.6	104.9	105.6	105.5	102.8	100.1	100.9	109.0	107.5	109.9	111.0
102.0	108.9	111.7	111.4	111.4	118.1	118.9	117.0	119.3	118.6	120.6
95.9	101.9	103.9	105.0	105.1	106.6	106.7	106.4	108.4	108.9	109.5
100.5	107.3	109.3	109.3	110.5	112.6	113.1	113.7	115.2	115.2	115.6

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I10 Indeks pekerja suku tahunan mengikut aktiviti ekonomi (2015=100), ST1 2020 - ST1 2024

	Aktiviti ekonomi <i>Economic activity</i>	2020				2021	
		I	II	III	IV	I	II
1.	Pertanian <i>Agriculture</i>	100.4	98.7	100.1	98.6	99.6	100.5
2.	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	94.2	94.3	98.1	86.5	93.4	94.1
3.	Pembuatan <i>Manufacturing</i>	108.3	105.4	106.8	108.6	109.5	108.3
3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan <i>Vegetable and animal oils & fats and food processing</i>	116.0	115.6	116.6	119.3	120.1	121.1
3.2	Minuman dan produk tembakau <i>Beverages and tobacco products</i>	113.1	97.5	98.8	98.3	102.6	97.0
3.3	Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	119.9	109.6	109.3	112.2	117.9	115.7
3.4	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	98.1	92.5	95.2	96.3	96.7	91.4
3.5	Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	107.9	107.1	109.2	111.0	112.5	112.8
3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	111.1	110.0	110.7	112.3	113.7	109.4
3.7	Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	108.2	106.6	107.9	109.4	108.0	109.9
3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	93.3	88.0	90.3	92.5	92.1	89.4
4.	Pembinaan <i>Construction</i>	93.9	89.9	92.5	92.5	91.7	91.6
5.	Perkhidmatan <i>Services</i>	114.1	111.6	113.0	113.7	114.2	114.0
5.1	Utiliti <i>Utilities</i>	105.5	104.2	104.7	107.7	107.0	106.0
5.2	Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	119.4	120.0	121.0	119.7	121.0	121.6
5.3	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	128.6	120.5	121.4	125.4	124.3	124.6
5.4	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	114.9	106.4	106.5	111.1	113.3	106.4
5.5	Maklumat dan komunikasi <i>Information and communication</i>	112.6	117.1	120.9	123.6	117.6	120.6
5.6	Kewangan dan insurans <i>Finance and insurance</i>	107.3	108.6	108.5	106.9	107.6	107.5
5.7	Hartanah dan perkhidmatan perniagaan <i>Real estate and business services</i>	117.5	113.3	116.0	116.2	114.7	114.2
5.8	Perkhidmatan lain <i>Other services</i>	102.1	100.7	102.4	102.6	104.4	104.3
Jumlah pekerja <i>Total employment</i>		108.9	106.4	107.9	108.4	108.9	108.7



110 Quarterly employment index by economic activity (2015=100), Q1 2020 - Q1 2024

2021		2022 ^e				2023 ^p				2024
III	IV	I	II	III	IV	I	II	III	IV	I
100.7	98.5	98.8	99.8	100.1	98.0	99.9	100.0	100.7	98.8	100.0
95.8	96.0	95.9	95.7	96.2	96.3	96.3	96.5	96.6	96.5	96.4
109.8	112.6	113.6	113.7	114.8	115.2	116.5	116.9	118.3	118.7	118.5
122.3	126.0	126.7	127.5	129.4	130.9	132.9	134.6	138.1	138.0	137.8
100.4	100.3	104.1	99.8	100.9	102.3	106.4	105.0	105.0	105.5	108.3
115.0	120.1	124.8	123.1	121.5	116.5	117.2	117.7	117.4	117.9	119.1
95.8	98.5	98.7	97.1	98.8	98.4	99.6	101.4	103.5	104.1	102.8
112.6	113.0	115.4	115.5	116.6	115.1	116.7	116.0	117.3	118.1	118.9
111.2	114.6	115.9	114.3	114.9	116.0	117.0	116.0	118.6	119.9	119.4
111.3	114.1	112.7	115.4	117.1	118.7	119.6	120.3	120.4	120.3	119.6
91.8	94.2	95.8	95.4	96.3	101.0	102.4	101.3	101.7	101.4	102.1
90.6	91.4	91.1	91.1	90.8	91.4	91.7	92.0	92.1	92.5	92.7
114.5	116.1	117.5	118.7	120.0	121.6	122.2	123.0	123.8	125.2	125.6
106.1	107.7	108.1	109.4	111.4	111.8	108.9	110.0	111.7	113.7	112.7
123.2	125.1	126.9	128.8	129.8	131.1	130.7	131.3	132.2	133.4	134.2
125.3	126.4	129.1	130.3	131.9	135.9	139.2	141.9	143.3	147.4	147.5
105.4	110.7	113.8	115.3	117.3	121.2	122.3	122.8	123.0	124.1	125.5
122.2	125.9	122.9	125.3	127.0	130.3	130.5	131.6	132.7	134.5	133.6
107.3	106.8	106.8	106.9	107.7	108.4	109.3	109.1	109.5	110.3	110.8
113.7	115.1	115.5	117.3	119.0	119.7	120.4	120.8	121.2	121.9	122.1
104.6	105.6	106.4	107.1	108.1	108.7	108.8	109.2	109.6	110.2	110.5
109.2	110.4	111.3	112.2	113.1	113.9	114.8	115.4	116.1	116.8	117.2

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PENGENALAN

Penerbitan ini membentangkan statistik produktiviti buruh suku tahunan bagi tempoh suku pertama 2020 hingga suku pertama 2024 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 termasuk 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 meliputi lima sektor utama iaitu Pertanian, Perlombongan dan 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	BAHAGIAN	PEMBAHAGIAN	KETERANGAN
Pertanian	A		Pertanian, perhutanan dan perikanan
Perlombongan dan pengkuarian	B		Perlombongan dan pengkuarian
Pembuatan	C		Pembuatan
		10	Minyak dan 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 dan 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 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. Ini merupakan 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). Ukuran ini 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). Ukuran ini 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) ialah 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 jam bekerja)

KAEDAH PENGANGGARAN PRODUKTIVITI BURUH

Penganggaran produktiviti buruh suku tahunan diukur menggunakan kaedah produktiviti faktor tunggal. Anggaran ini dibuat berdasarkan maklumat nilai ditambah per pekerja dan nilai ditambah per jam bekerja mengikut aktiviti ekonomi. Pengukuran produktiviti buruh per jam bekerja memberikan gambaran yang lebih baik berkenaan perkembangan produktiviti 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 diperoleh dari www.dosm.gov.my.

Nilai ditambah yang digunakan adalah nilai pada harga malar di mana nilai ini 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.

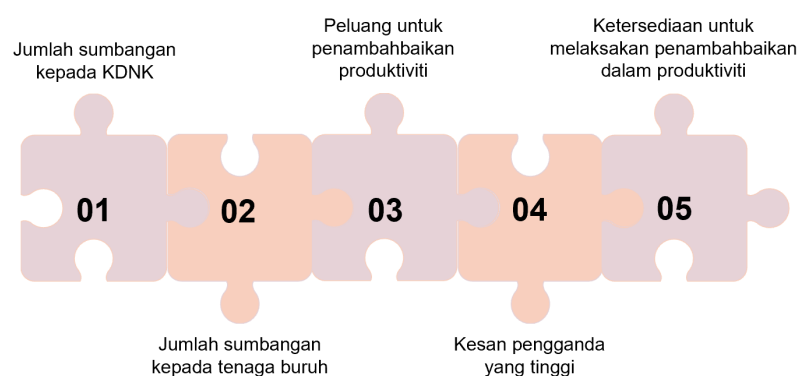
Kaedah penganggaran data pekerja adalah berdasarkan data banci dan survei yang dijalankan oleh DOSM serta data pentadbiran daripada pelbagai agensi. Anggaran suku tahunan dan tahunan meliputi keseluruhan pekerja mengikut aktiviti ekonomi. Pekerja tahunan adalah purata pekerja suku tahunan bagi tahun 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, subsektor keutamaan Agromakanan dan Penjagaan kesihatan swasta juga telah dikaji semula dan diterbitkan pada suku tahun keempat 2023 [rujuk jadual di muka surat 73].

11 subsektor keutamaan telah dikenal pasti termasuk 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. Subsektor ini diberi keutamaan berdasarkan kriteria berikut:



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 DAN MAKANAN & 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
	^{##} tidak termasuk: 52212, 52213, 52214, 52231, 52232, 52233, 52234, 52292
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 [Teknologi, maklumat dan komunikasi (ICT)]	
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

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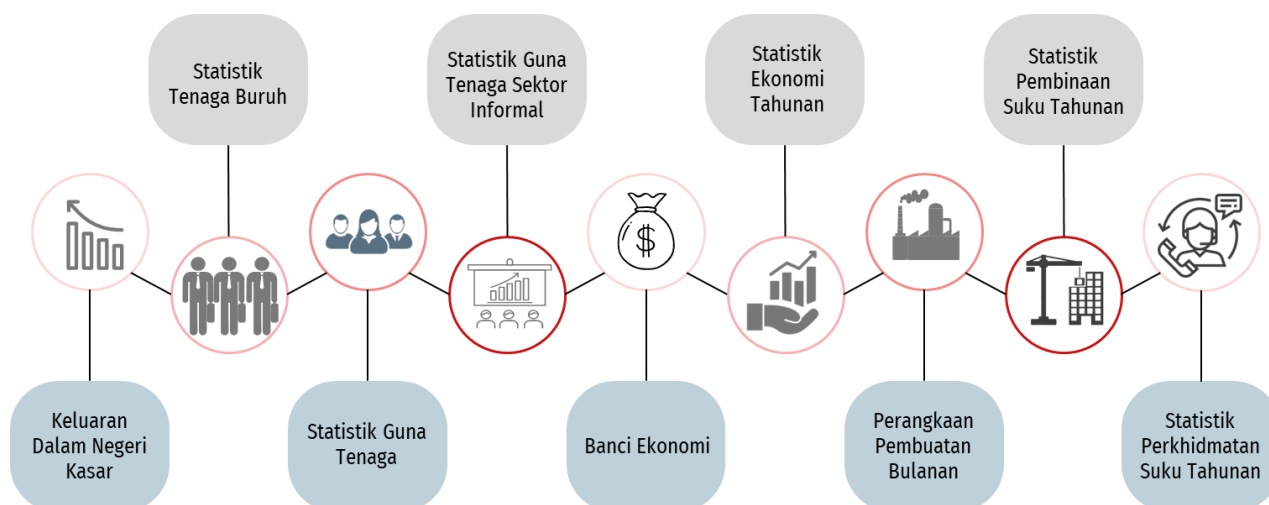
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SUMBER DATA

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	r	: disemak	p	: permulaan
RM	: Ringgit Malaysia	KDNK	: Keluaran Dalam Negeri Kasar	OECD	: <i>Organisation for Economic Co-operation and Development</i>
NPISHs	: <i>Non-Profit Institutions Serving Households</i>	MPB	: <i>Malaysia Productivity Blueprint</i>		

PENERBITAN DAN SEMAKAN STATISTIK

Statistik produktiviti buruh yang dilaporkan dalam penerbitan ini bermula dari suku pertama 2020 hingga suku pertama 2024 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 2020 to the first quarter of 2024 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 include 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	SECTION	DIVISION	DESCRIPTION
Agriculture	A		Agriculture, forestry and 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 products *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.

$$\text{THW} = \text{AHW} \times \text{EmpHW}$$

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.

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

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.



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

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).

$$\text{LP}_i = \frac{\text{O}_i}{\text{I}_i} \times 100$$

where:

LP_i	Index of labour productivity
O_i	Output index (value added)
I_i	Input index (employment or total hours)

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.

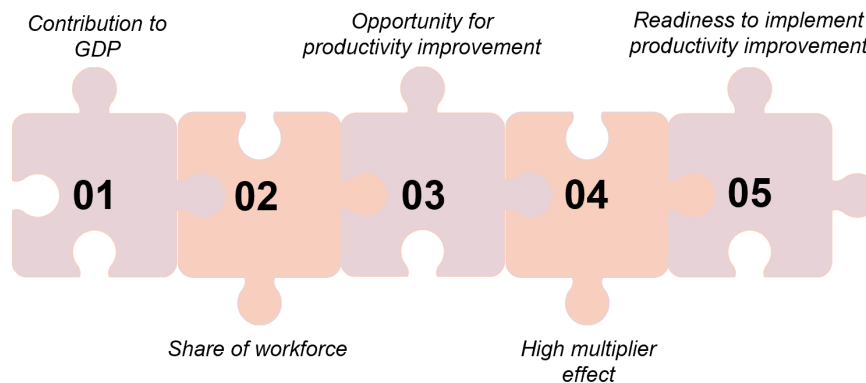
The methodology of estimating employment data are based on censuses and surveys data conducted by DOSM as well as administrative data from various agencies. Quarterly and annual estimations cover the entire employment according to the economic activity. Annual employment is the average quarterly employment 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 Logistic, 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 and reported in first quarter 2024 [refer to table on page 80].

The 11 priority sub-sectors which have been identified includes 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.

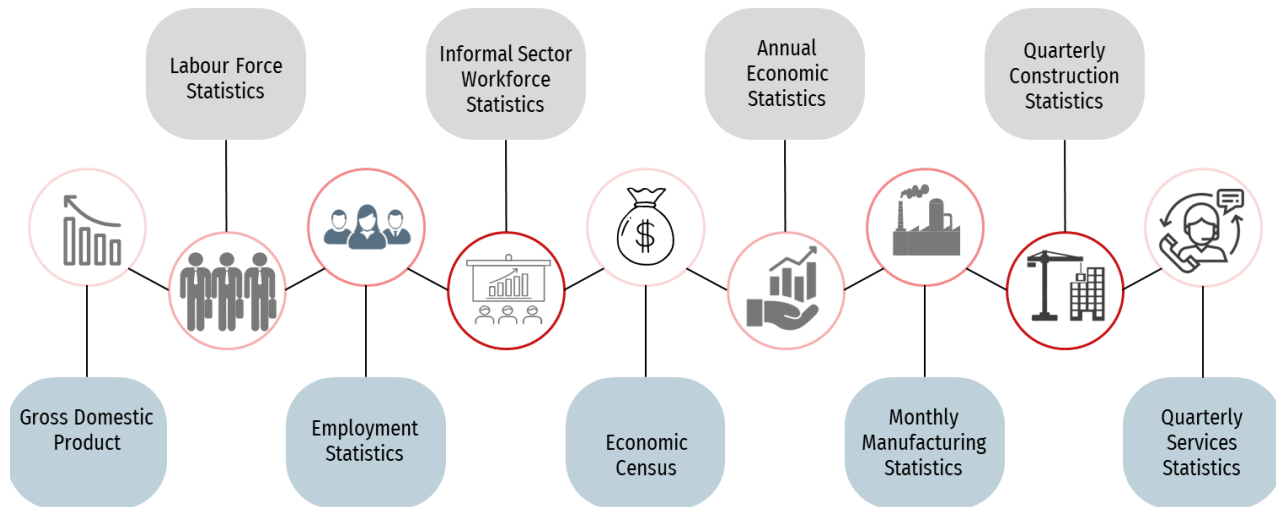
Classification of 11 priority sub-sectors using MSIC 2008 Ver. 1.0

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
	** exclude: 01261, 01262, 01273, 01281, 01291, 01292, 01295
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 [Information, communication and technology (ICT)]	
58	Publishing activities
59	Motion picture, video and television programme production, sound recording and music publishing activities
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 care activities



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	Q	: quarter	e	: estimate
%	: percentage	r	: revised	p	: preliminary
MYR	: Malaysian Ringgit	GDP	: Gross Domestic Product	OECD	: Organisation for Economic Co-operation and Development
NPISHs	: Non-Profit Institutions Serving Households	MPB	: Malaysia Productivity Blueprint		

PUBLICATION AND REVISION OF STATISTICS

Labour productivity statistics presented in this publication from the first quarter 2020 to first quarter 2024 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 PERANGKAAAN NEGERI SEPERTI BERIKUT:
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