KEMENTERIAN EKONOMI
MINISTRY OF ECONOMY

LAPORAN SURVEI TENAGA BURUH
LABOUR FORCE SURVEY REPORT

MALAYSIA
2022

Pemakluman

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

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

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

Announcement

The Department of Statistics Malaysia (DOSM) is conducting the Economic Census in 2023. DOSM greatly appreciates the cooperation of respondents in providing information and ensuring the success of this census. Please visit www.dosm.gov.my for more information.

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

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

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Harga / *Price* : RM 60.00

Diterbitkan pada Julai 2023 / *Published on July 2023*

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“Sumber : Jabatan Perangkaan Malaysia”

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ISSN 0128-0503

KATA PENGANTAR

Laporan Survei Tenaga Buruh, Malaysia, 2022 membentangkan statistik tahunan berkaitan tenaga buruh, guna tenaga dan pengangguran yang diperoleh daripada Survei Tenaga Buruh (STB). Laporan ini juga membekalkan statistik utama tenaga buruh mengikut ciri-ciri demografi dan sosioekonomi antaranya jantina, kumpulan umur, strata bandar dan luar bandar, kumpulan etnik, pencapaian pendidikan, pekerjaan dan industri. Selain itu, indikator penduduk bekerja kurang dari 30 jam seminggu, guna tenaga tidak penuh berkaitan masa dan guna tenaga tidak penuh berkaitan kemahiran turut dimuatkan dalam penerbitan ini. Pelaksanaan STB adalah berdasarkan garis panduan dan syor oleh *International Labour Organization (ILO)* dengan merujuk kepada *Surveys of Economically Active Population, Employment, Unemployment and Underemployment: An ILO Manual on Concepts and Methods.*

Statistik tenaga buruh merupakan maklumat penting yang digunakan sebagai input untuk menganalisis pasaran buruh, menggubal dasar serta merancang, melaksana dan memantau program berkaitan pembangunan sumber manusia. Statistik ini juga menjadi rujukan penting kepada penyelidik, ahli ekonomi, ahli akademik, pihak swasta dan individu dalam kajian berkaitan guna tenaga dan pasaran buruh.

Penerbitan ini mengandungi tiga bahagian utama. Bahagian pertama memaparkan statistik utama dan ringkasan penemuan. Jadual statistik terperinci dipaparkan di bahagian kedua. Manakala, bahagian ketiga pula menerangkan aspek teknikal seperti skop & liputan, konsep & definisi, serta pembolehubah utama yang digunakan bagi memudahkan pengguna memahami statistik yang diterbitkan.

Jabatan Perangkaan Malaysia merakamkan setinggi-tinggi penghargaan kepada responden dan semua pihak yang telah menyumbang kepada pelaksanaan survei dan penyediaan penerbitan ini. Pandangan dan cadangan ke arah penambahbaikan penerbitan ini pada masa hadapan amat dihargai.

DATO' SRI DR. MOHD UZIR MAHIDIN
Ketua Perangkawan Malaysia
Julai 2023

PREFACE

The Labour Force Survey Report, Malaysia, 2022 presents the annual statistics of labour force, employment and unemployment obtained from the Labour Force Survey (LFS). This report also provides principal statistics of the labour force according to demographic and socioeconomic characteristics such as sex, age group, urban and rural strata, ethnic groups, educational attainment, occupation and industry. In addition, indicators of employed persons working less than 30 hours per week, time-related underemployment and skill-related underemployment were also included in this publication. The implementation of LFS are based on the guidelines and recommendations of the International Labour Organization (ILO) with reference to the Surveys of Economically Active Population, Employment, Unemployment and Underemployment: An ILO Manual on Concepts and Methods.

The labour force statistics were an important information which were used as an input for labour market analysis, policy formulation as well as planning, implementing and monitoring programmes related to human resource development. These statistics also serve as an essential reference to researcher, economists, academician, private sector and individuals in research related to employment and the labour market.

This publication is divided into three parts. The first part presents the principal statistics and summary of findings. The detailed statistical tables are provided in the second part. Meanwhile, the third part describes technical aspects such as scope & coverage, concepts & definitions as well as the key variables used to assist users in understanding the published statistics.

The Department gratefully acknowledges the cooperation and contribution rendered by all parties in making this publication a success. Every feedback and suggestion towards improving future reports is highly appreciated.

DATO' SRI DR. MOHD UZIR MAHIDIN
Chief Statistician Malaysia
July 2023

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GLOSARI

Aktiviti ekonomi	:	Klasifikasi industri mengikut Piawaian Klasifikasi Industri Malaysia (MSIC) 2018 Versi 1.0 kepada lima sektor utama iaitu Pertanian, Perlombongan & Pengkuarian, Pembuatan, Pembinaan dan Perkhidmatan. Manakala sektor Pembuatan dan Perkhidmatan dibahagikan kepada subsektor.
Bekerja	:	Semua orang yang bekerja sekurang-kurangnya sejam semasa minggu rujukan untuk mendapatkan upah, keuntungan atau keuntungan keluarga sama ada sebagai majikan, pekerja, bekerja sendiri atau pekerja keluarga tanpa gaji.
Bekerja sendiri	:	Seorang yang mengusahakan ladang, perniagaan atau perusahaan sendiri tanpa menggaji pekerja di ladang, perniagaan atau perusahaannya.
Guna tenaga tidak penuh berkaitan kemahiran	:	Mereka yang mempunyai pendidikan tertiari dan bekerja dalam kategori separuh mahir dan berkemahiran rendah.
Guna tenaga tidak penuh berkaitan masa	:	Kumpulan yang bekerja kurang daripada 30 jam semasa minggu rujukan disebabkan keadaan kerja atau kerja yang tidak mencukupi dan berkeupayaan serta sanggup menerima tambahan bilangan jam bekerja. Mereka yang bekerja lebih daripada 30 jam semasa minggu rujukan merupakan guna tenaga penuh.
Kadar pengangguran	:	Perkadaran penduduk yang menganggur kepada jumlah penduduk di dalam tenaga buruh, kadar ini mengukur peratus penduduk di dalam tenaga buruh yang tidak bekerja.
Kadar penyertaan tenaga buruh	:	Perkadaran penduduk dalam tenaga buruh kepada penduduk dalam umur bekerja dalam bentuk peratusan.
Kategori kemahiran	:	Untuk tujuan pelaporan, kategori pekerjaan di kelaskan kepada tiga tahap kemahiran mengikut Piawaian Pengelasan Pekerjaan Malaysia (MASCO) 2013 mengikut Mahir - 1. Pengurus; 2. Profesional; 3. Juruteknik dan profesional bersekutu; Separuh mahir - 4. Pekerja sokongan pengkeranian; 5. Pekerja perkhidmatan dan penjualan; 6. Pekerja mahir pertanian, perhutanan dan perikanan; 7. Pekerja kemahiran dan pekerja pertukangan yang berkaitan; 8. Operator loji dan mesin serta pemasangan; Berkemahiran rendah - 9. Pekerjaan asas.
Luar tenaga buruh	:	Penduduk yang tidak dikelaskan sebagai bekerja atau menganggur dikategorikan sebagai luar tenaga buruh. Kategori ini terdiri daripada suri rumah, pelajar (termasuk mereka yang akan melanjutkan pelajaran), mereka yang telah bersara, tidak berkeupayaan dan mereka yang tidak berminat untuk mencari pekerjaan.

GLOSARI

Majikan	:	Seorang yang menjalankan sesuatu perniagaan, perusahaan ladang atau perniagaan lain dan menggaji seorang pekerja atau lebih untuk menolongnya.
Menganggur	:	Mereka yang tidak bekerja semasa minggu rujukan dan dikelaskan kepada dua kumpulan iaitu penganggur aktif dan penganggur tidak aktif.
Nisbah guna tenaga kepada penduduk	:	Perkadaran penduduk yang bekerja kepada jumlah penduduk dalam kumpulan umur bekerja.
Pekerja	:	Seorang yang bekerja untuk majikan sektor awam atau swasta dan menerima ganjaran tetap seperti upah, gaji, komisen, tip atau ganjaran berbentuk mata benda.
Pekerja keluarga tanpa gaji	:	Seorang yang bekerja tanpa menerima sebarang bayaran atau upah di ladang, perniagaan atau perusahaan yang dijalankan oleh ahli keluarganya yang lain.
Penganggur aktif	:	Mereka yang bersedia untuk bekerja dan aktif mencari pekerjaan dalam minggu rujukan.
Penganggur tidak aktif	:	Tidak mencari pekerjaan dalam minggu rujukan kerana percaya tidak terdapat pekerjaan atau pun tidak berkelayakan; mungkin mencari pekerjaan jika tidak kerana sakit atau keadaan cuaca; dan telah mencari pekerjaan sebelum minggu rujukan dan sedang menunggu jawapan permohonan pekerjaan.
Tenaga buruh	:	Tenaga buruh merujuk kepada penduduk dalam kumpulan umur bekerja (15 - 64 tahun) sama ada bekerja atau menganggur.

AKRONIM

DOSM	:	*Jabatan Perangkaan Malaysia*
ILO	:	*International Labour Organizations*
KPTB	:	*Kadar Penyertaan Tenaga Buruh*
MYR	:	Ringgit Malaysia
PPN	:	Pelan Pemulihan Negara
PICK	:	*Program Imunisasi COVID-19 Kebangsaan*
SOPs	:	Prosedur Operasi Standard
STB	:	*Survei Tenaga Buruh*
UNWTO	:	Pertubuhan Pelancongan Dunia Pertubuhan Bangsa-Bangsa Bersatu
USD	:	Dolar Amerika Syarikat

GLOSSARY

Actively unemployed	:	*Persons who were available for work and were actively looking for work during the reference week.*
Category of skills	:	*For reporting purpose, the category of occupation is regrouped into three levels of skills based on the Malaysia Standard Classification of Occupation (MASCO) 2013 namely* *Skilled workers - 1. Managers; 2. Professionals; 3. Technicians and associate professionals;* *Semi-skilled workers - 4. Clerical support workers; 5. Services and sales workers; 6. Skilled agricultural, forestry, livestock, and fishery workers; 7. Craft and related trades workers; 8. Plant and machine operators and assemblers;* *Low-skilled workers - 9. Elementary occupations.*
Economic activity	:	*Classification of industries according to the Malaysia Standard Industrial Classification (MSIC) 2008 version 1.0 into five main sectors namely Agriculture, Mining & Quarrying, Manufacturing, Construction and Services. In the meantime, Manufacturing and Services are further disaggregated into subsectors.*
Employed	:	*All persons who, at any time during the reference week worked at least one hour for pay, profit or family gain either as an employer, employee, own-account worker or unpaid family worker.*
Employee	:	*A person who works for a public or private employer and receives regular remuneration in wages, salary, commission, tips or payment in kind.*
Employer	:	*A person who operates a business, a plantation or other trade and employs one or more workers to help him.*
Employment-to-population ratio	:	*The proportion of employed population to working-age population.*
Inactively unemployed	:	*Did not look for work because they believed no work was available or that they were not qualified; would have looked for work if they had not been temporarily ill or had it not been for weather condition; and had looked for work prior to the reference week and were waiting for result of job applications.*
Labour force	:	*Labour force refers to population in the working age group (15 to 64 years) who are either employed or unemployed.*
Labour force participation rate	:	*The ratio of labour force to the working-age population, expressed as a percentage.*

GLOSSARY

Outside labour force	:	*All persons not classified as employed or unemployed are classified as outside labour force. This category consists of housewives, students (including those going for further studies), retired, disabled persons and those not interested in looking for a job.*
Own account worker	:	*A person who operates his own farm, business or trade without employing any paid workers in the conduct of his farm, trade or business.*
Skill-related underemployment	:	*Those with tertiary education and working in the semi-skilled and low-skilled categories.*
Time-related underemployment	:	*A group of people who employed less than 30 hours during the reference week because of the nature of their work or due to insufficient work and are able and willing to accept additional hours of work. Persons who were employed more than 30 hours during the reference week are considered to be in full employment.*
Unemployed	:	*Those who did not work during the reference week but are interested to work and seeking for a job. Classified into two groups which are actively and inactively unemployed.*
Unemployment rate	:	*The proportion of the unemployed population to the total population in labour force, expressed as a percentage.*
Unpaid family worker	:	*A person who works without pay or wages on a farm, business or trade operated by another member of the family.*

ACRONYMS

DOSM	:	*Department of Statistics Malaysia*
ILO	:	*International Labour Organizations*
LFPR	:	*Labour Force Participation Rate*
LFS	:	*Labour Force Survey*
MYR	:	*Malaysian Ringgit*
NIP	:	*National COVID-19 Immunisation Program*
NRP	:	*National Recovery Plan*
SOPs	:	*Standard Operating Procedures*
UNWTO	:	*United Nations World Tourism Organisation*
USD	:	*United States Dollar*

STATISTIK UTAMA TENAGA BURUH

PRINCIPLE STATISTICS OF LABOUR FORCE

KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

STATISTIK TENAGA BURUH 2022

Tenaga buruh Malaysia pada 2022 meningkat sebanyak 1.4 peratus mencatatkan 16.02 juta orang. Perkembangan yang positif ini disumbangkan oleh peningkatan dalam bilangan penduduk bekerja dan penurunan dalam bilangan penganggur. Kadar pengangguran menurun 0.7 mata peratus kepada 3.9 peratus dengan 630.4 ribu orang penganggur.

TENAGA BURUH

16.02 juta

2021	15.80 juta
2020	15.67 juta

▲1.4%

PENDUDUK BEKERJA

15.39 juta

2021	15.06 juta
2020	14.96 juta

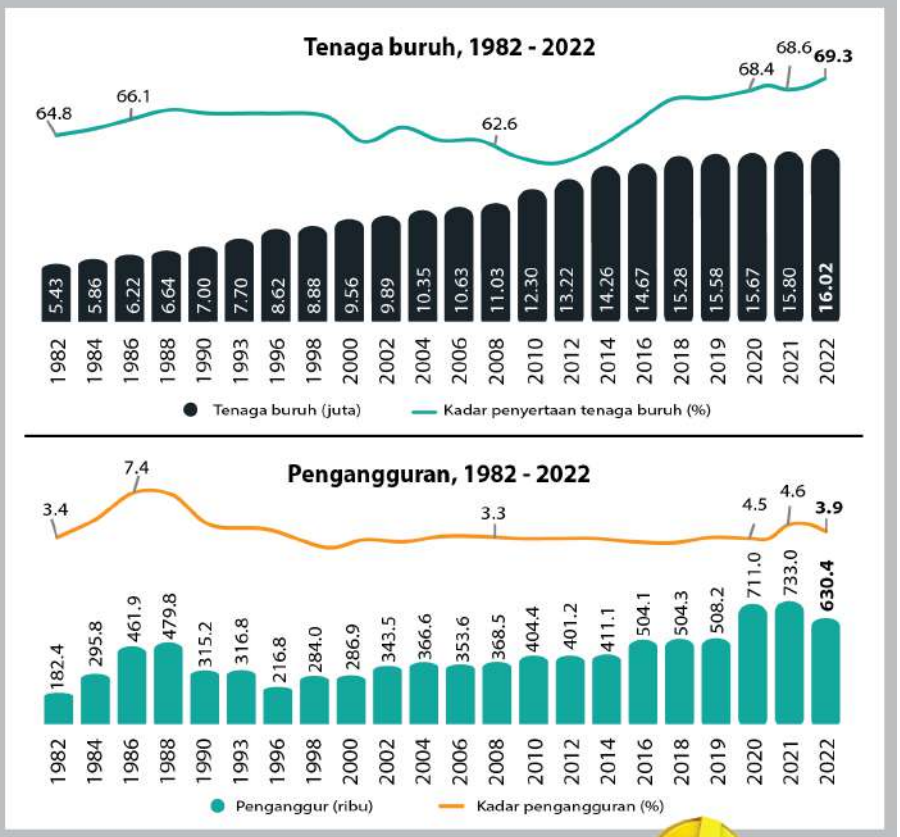
▲2.2%

PENGANGGUR

630.4 ribu

2021	733.0 ribu
2020	711.0 ribu

▼14.0%



KADAR PENYERTAAN TENAGA BURUH

2020 : 68.4% | 2021 : 68.6%

69.3%

▲0.7mp

KADAR PENGANGGURAN

2020 : 4.5% | 2021 : 4.6%

3.9%

▼0.7mp

LUAR TENAGA BURUH

7.11 juta

2021 : 7.22 juta
2020 : 7.23 juta

▼1.5%

% Peratus perubahan (tahun ke tahun)

mp Mata peratus

Sumber: Survei Tenaga Buruh, Jabatan Perangkaan Malaysia (DOSM)

KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

STATISTIK TENAGA BURUH 2022

PENDUDUK BEKERJA

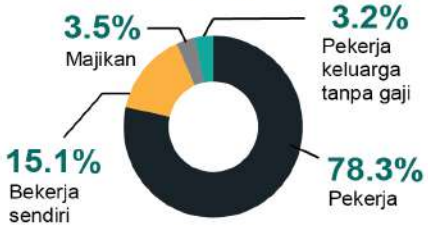
Penduduk bekerja meningkat 2.2 peratus merekodkan 15.39 juta orang.

9.41 juta
2021 : 9.19 juta

5.99 juta
2021 : 5.87 juta

BEKERJA

Penduduk bekerja mengikut taraf pekerjaan



Penduduk bekerja mengikut sektor

Pertanian	**10.0%**	2021 : 10.3%
Perlombongan & pengkuarian	**0.5%**	2021 : 0.5%
Pembuatan	**16.8%**	2021 : 16.6%
Pembinaan	**7.6%**	2021 : 7.7%
Perkhidmatan	**65.0%**	2021 : 64.9%

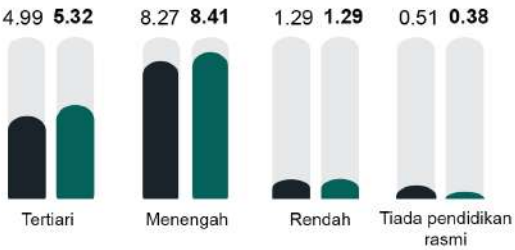
Nota : Angka dalam peratus bagi setiap sektor merujuk kepada peratus sumbangan kepada jumlah penduduk bekerja.

Penduduk bekerja kurang 30 jam seminggu, 2015 -2022

Guna tenaga tidak penuh berkaitan masa, 2015 -2022

Guna tenaga tidak penuh berkaitan kemahiran, 2015 -2022

Penduduk bekerja mengikut tahap pendidikan



Penduduk bekerja mengikut tahap kemahiran

Mahir
4,560.5 ribu
2021 : 4,455.0 ribu

Separa mahir
8,986.8 ribu
2021 : 8,693.9 ribu

Berkemahiran rendah
1,844.4 ribu
2021 : 1,915.2 ribu

Sumber: Survei Tenaga Buruh, Jabatan Perangkaan Malaysia (DOSM)

KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

STATISTIK TENAGA BURUH 2022

PENGANGGUR

Kadar pengangguran pada tahun 2022 meningkat kepada 3.9 peratus.

373.9 ribu
2021 : 438.0 ribu

256.5 ribu
2021 : 295.0 ribu

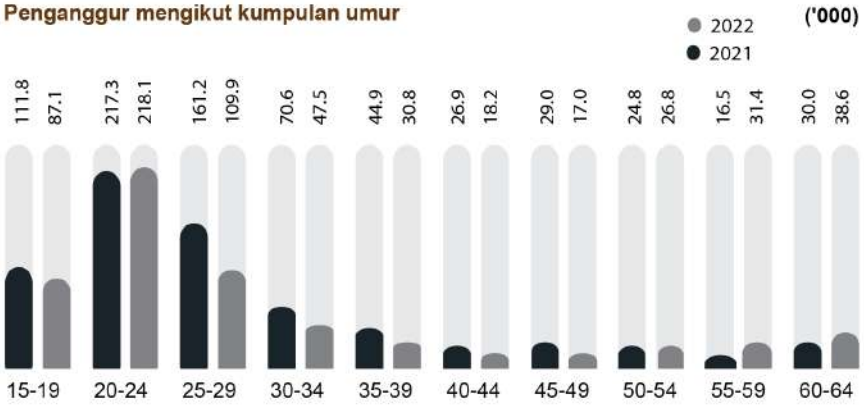
PENGANGGUR

3.8%
2021 : 4.5%

4.1%
2021 : 4.8%

KADAR PENGANGGURAN

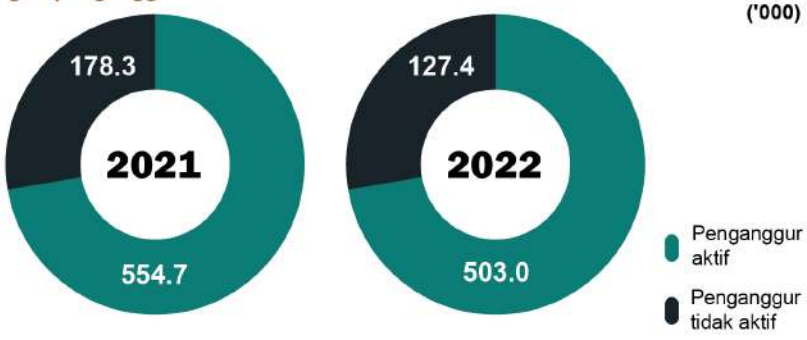
Penganggur mengikut kumpulan umur



Penganggur aktif mengikut tempoh menganggur

Pengangguran belia, 2015-2022

Kategori penganggur



Sumber: Survei Tenaga Buruh, Jabatan Perangkaan Malaysia (DOSM)

KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

STATISTIK TENAGA BURUH 2022

LUAR TENAGA BURUH

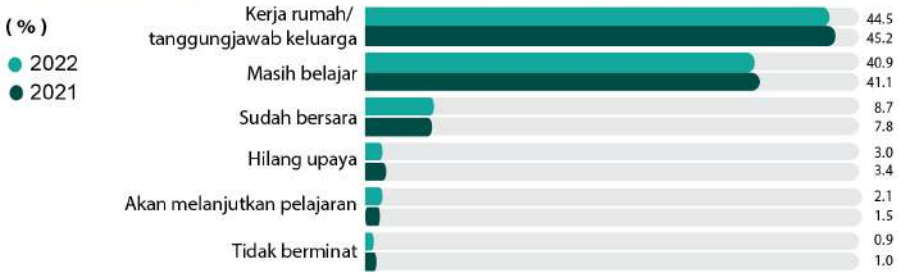
Komposisi utama luar tenaga buruh adalah golongan perempuan.

2.16 juta
2021 : 2.27 juta

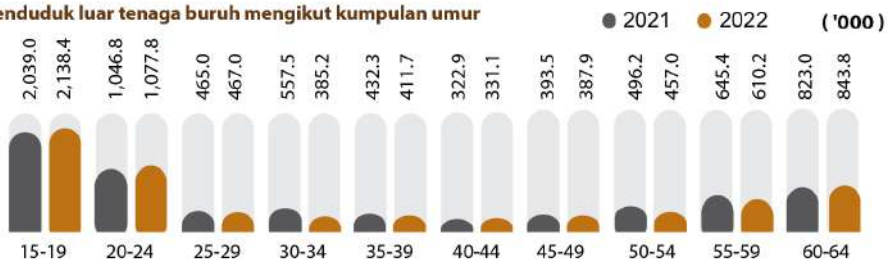
4.95 juta
2021 : 4.95 juta

LUAR TENAGA BURUH

Peratus sumbangan penduduk luar tenaga buruh mengikut sebab tidak mencari pekerjaan



Penduduk luar tenaga buruh mengikut kumpulan umur



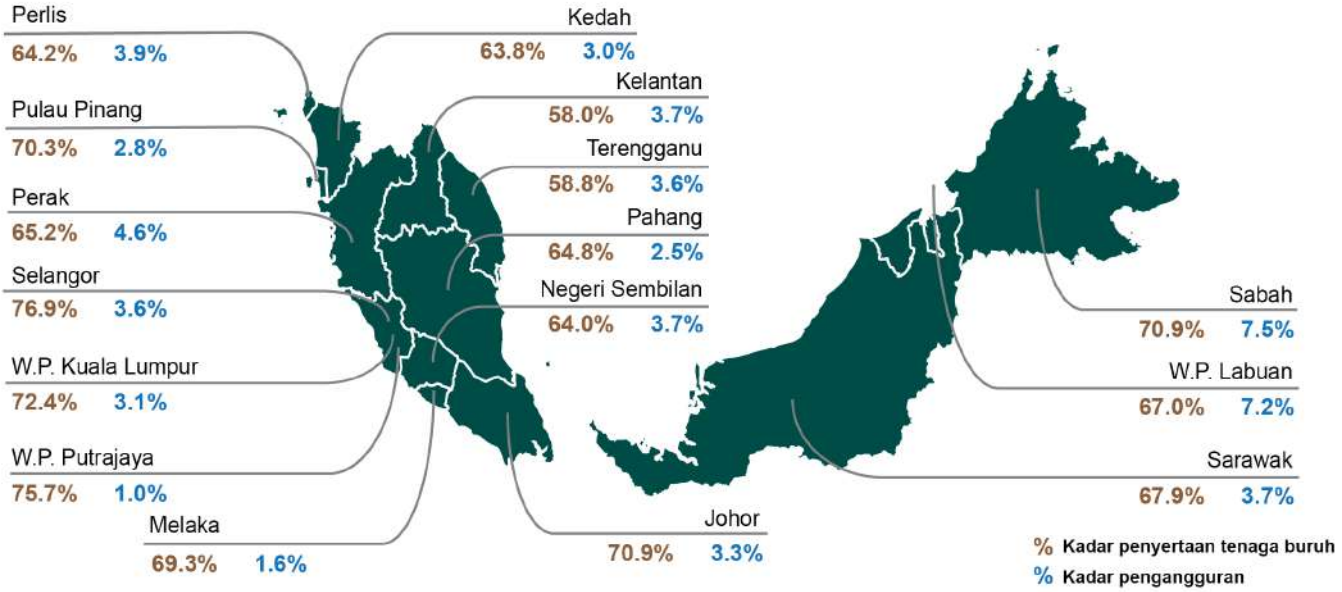
Sebab utama luar tenaga buruh adalah disebabkan oleh kerja rumah/ tanggungjawab keluarga

Kerja rumah/ tanggungjawab keluarga
44.5%

Bersekolah/ latihan
40.9%

KADAR PENYERTAAN TENAGA BURUH DAN KADAR PENGANGGURAN MENGIKUT NEGERI

Kadar penyertaan tenaga buruh tertinggi direkodkan di negeri Selangor iaitu 76.9 peratus manakala kadar pengangguran terendah dicatatkan di W.P. Putrajaya pada 1.0 peratus.



Sumber: Survei Tenaga Buruh, Jabatan Perangkaan Malaysia (DOSM)

MINISTRY OF ECONOMY
DEPARTMENT OF STATISTICS MALAYSIA

LABOUR FORCE STATISTICS 2022

Malaysia's labour force in 2022 edged up by 1.4 per cent to register 16.02 million persons. The positive growth was contributed by a surge in the number of employed person and a reduction in the number of unemployed. The unemployment rate decreased by 0.7 percentage points to 3.9 per cent with 630.4 thousand unemployed person.

LABOUR FORCE

16.02 million

2021	15.80 million
2020	15.67 million

▲1.4%

EMPLOYED PERSON

15.39 million

2021	15.06 million
2020	14.96 million

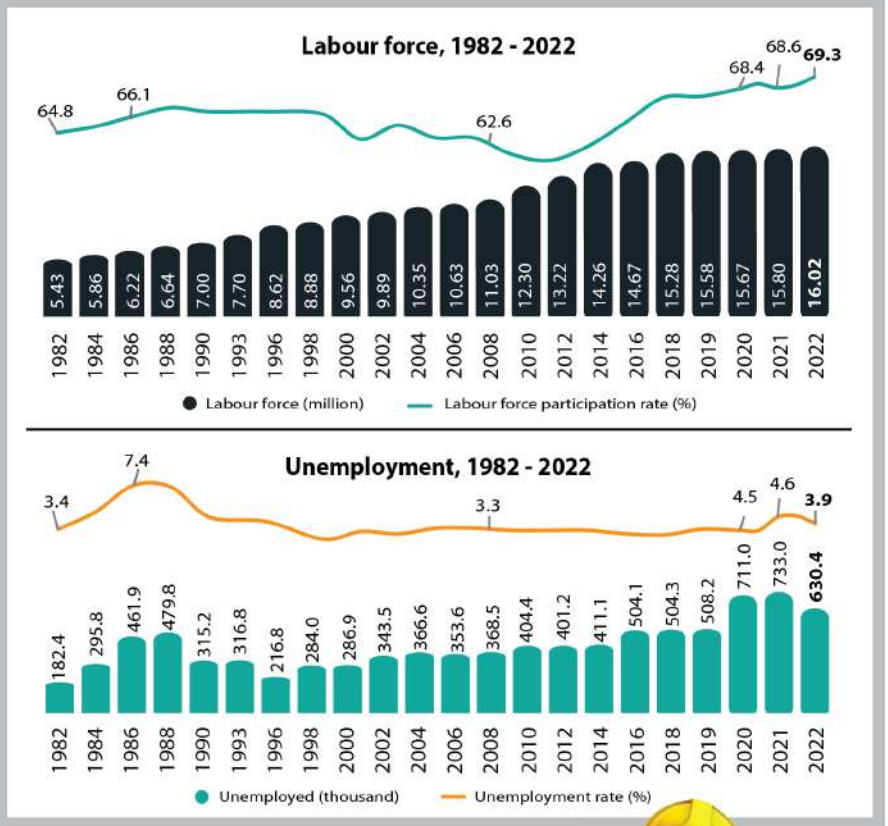
▲2.2%

UNEMPLOYED

630.4 thousand

2021	733.0 thousand
2020	711.0 thousand

▼14.0%



LABOUR FORCE PARTICIPATION RATE

69.3% ▲0.7pp

2020 : 68.4% | 2021 : 68.6%

UNEMPLOYMENT RATE

3.9% ▼0.7pp

2020 : 4.5% | 2021 : 4.6%

OUTSIDE LABOUR FORCE

7.11 million

2021 : 7.22 million
2020 : 7.23 million

▼1.5%

% Percentage change (year-on-year)

pp Percentage point

Source: Labour Force Survey, Department of Statistics Malaysia (DOSM)

MINISTRY OF ECONOMY
DEPARTMENT OF STATISTICS MALAYSIA

LABOUR FORCE STATISTICS 2022

EMPLOYED PERSON

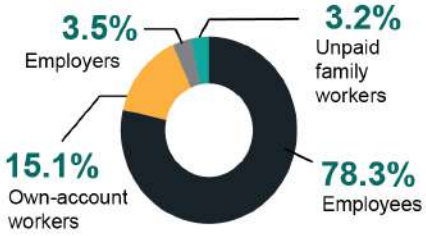
Employed person increased by 2.2 per cent to record 15.39 million persons.

9.41 million
2021 : 9.19 million

5.99 million
2021 : 5.87 million

EMPLOYED

Employed person by status of employment

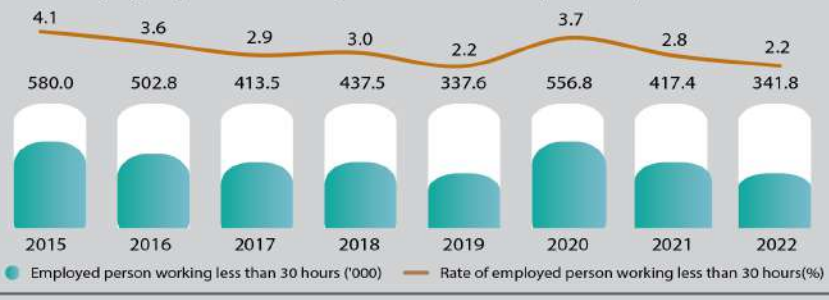


Employed person by sector

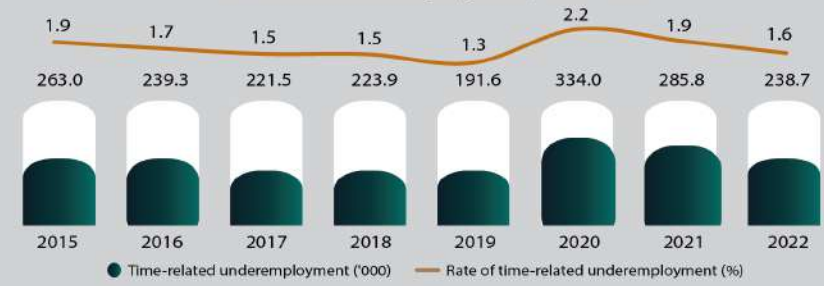
Agriculture	**10.0%**	2021 : 10.3%
Mining & quarrying	**0.5%**	2021 : 0.5%
Manufacturing	**16.8%**	2021 : 16.6%
Construction	**7.6%**	2021 : 7.7%
Services	**65.0%**	2021 : 64.9%

Note : Figures in percentage of each sector refers to the percentage share of the total number of employed persons.

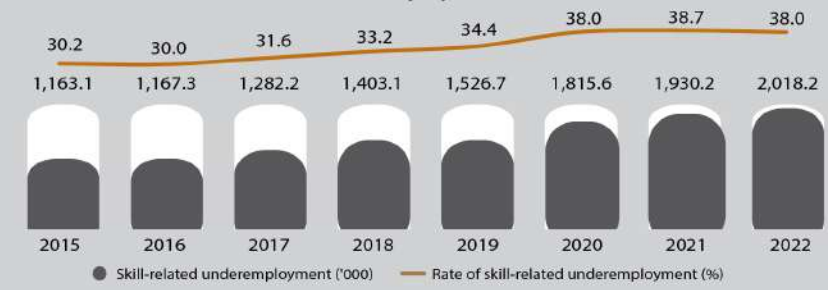
Employed persons working less than 30 hours per week, 2015 -2022



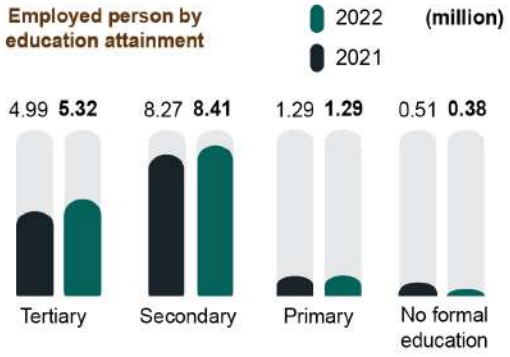
Time-related underemployment, 2015 -2022



Skill-related underemployment, 2015 -2022



Employed person by education attainment



Employed person by skill level

Skilled
4,560.5 thousand
2021 : 4,455.0 thousand

Semi-skilled
8,986.8 thousand
2021 : 8,693.9 thousand

Low-skilled
1,844.4 thousand
2021 : 1,915.2 thousand

Source: Labour Force Survey, Department of Statistics Malaysia (DOSM)

MINISTRY OF ECONOMY
DEPARTMENT OF STATISTICS MALAYSIA

LABOUR FORCE STATISTICS 2022

UNEMPLOYMENT

Unemployment rate in 2022 decreased to 3.9 per cent.

373.9 thousand
2021 : 438.0 thousand

256.5 thousand
2021 : 295.0 thousand

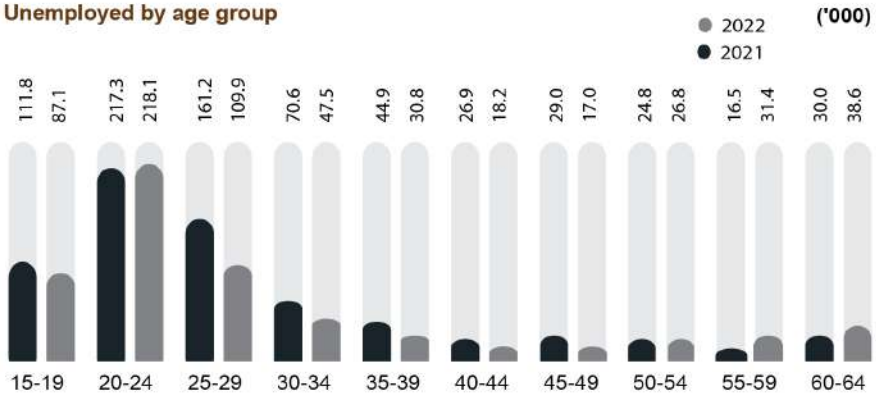
UNEMPLOYED

3.8%
2021 : 4.5%

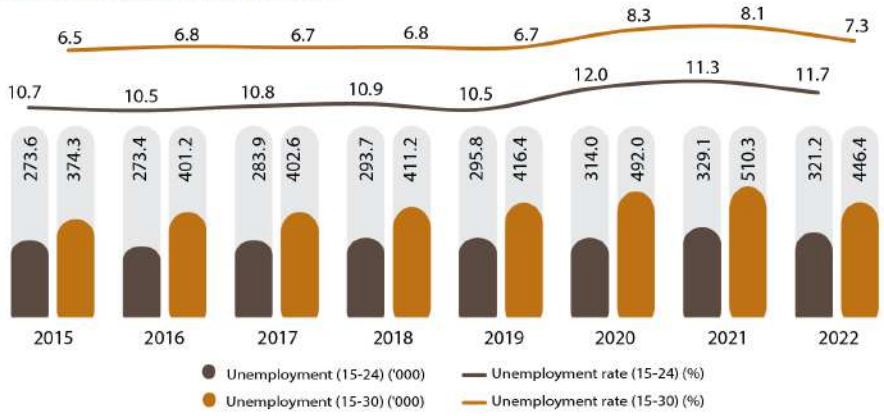
4.1%
2021 : 4.8%

UNEMPLOYMENT RATE

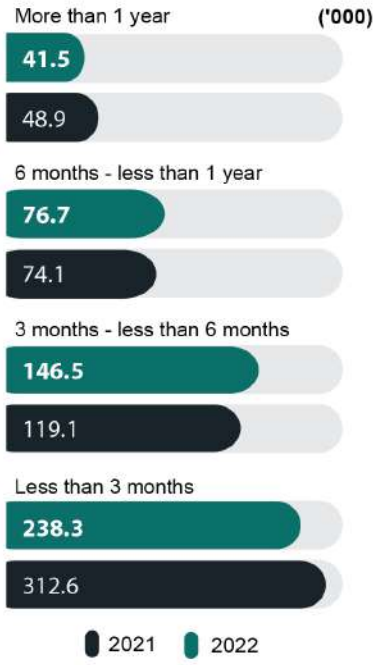
Unemployed by age group



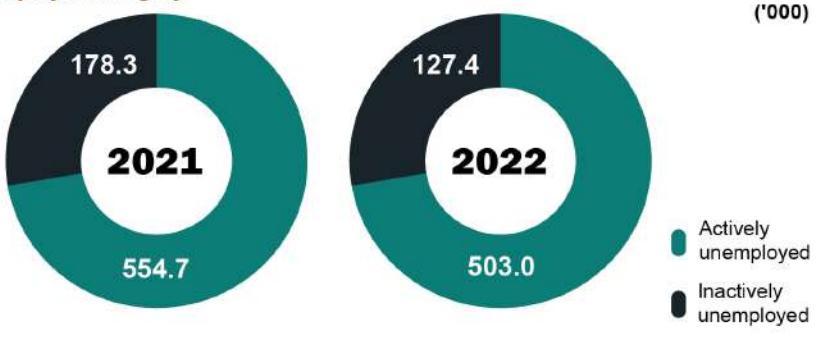
Youth unemployment, 2015-2022



Actively unemployed person by duration of unemployment



Unemployed category



Source: Labour Force Survey, Department of Statistics Malaysia (DOSM)

3

MINISTRY OF ECONOMY
DEPARTMENT OF STATISTICS MALAYSIA

LABOUR FORCE STATISTICS 2022

OUTSIDE LABOUR FORCE

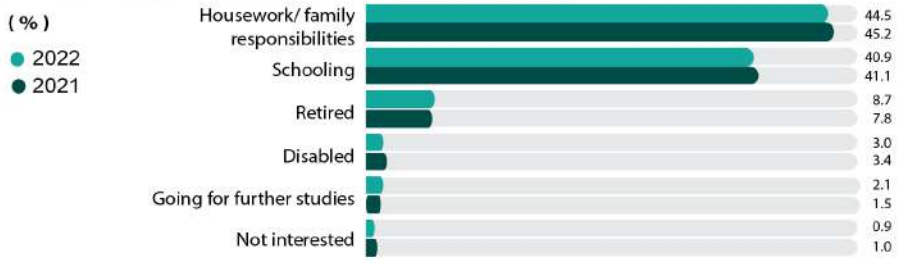
Major composition of outside labour force by sex was female.

2.16 million
2021 : 2.27 million

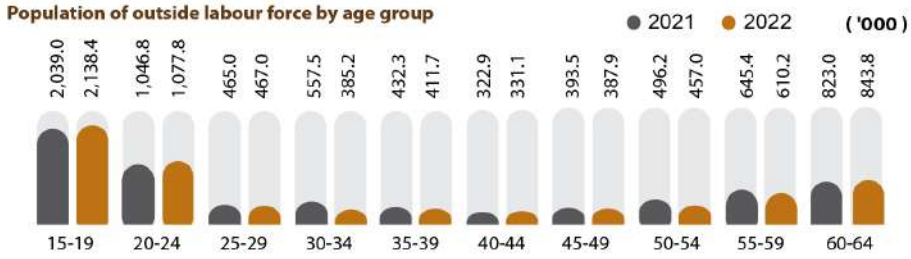
4.95 million
2021 : 4.95 million

OUTSIDE LABOUR FORCE

Share of outside labour force by reasons for not seeking work



Population of outside labour force by age group



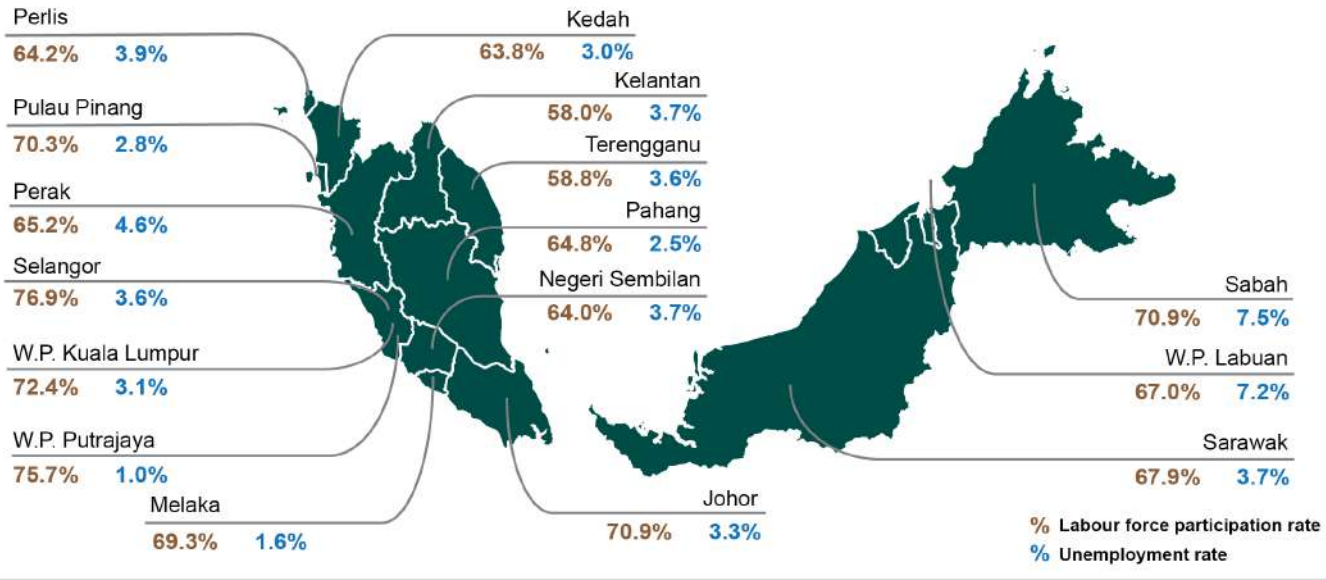
Main reason of outside labour force was due to housework/ family responsibilities

Housework/ family responsibilities
44.5%

Schooling/ training
40.9%

LABOUR FORCE PARTICIPATION RATE AND UNEMPLOYMENT RATE BY STATE

Selangor recorded the highest labour force participation rate of 76.9 per cent while the lowest unemployment rate was registered by W.P. Putrajaya with 1.0 per cent.



Source: Labour Force Survey, Department of Statistics Malaysia (DOSM)

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RINGKASAN PENEMUAN

SUMMARY OF FINDINGS

1. Pengenalan

USAHA KERAJAAN UNTUK MENYOKONG PASARAN BURUH MENYUMBANG KEPADA PRESTASI YANG LEBIH STABIL, MEWUJUDKAN LEBIH BANYAK PEKERJAAN DAN MENGURANGKAN PENGANGGURAN PADA 2022

Pada tahun 2022, ekonomi Asia Tenggara pulih dengan kukuh daripada kemelesetan yang berlaku pada tahun 2021 walaupun ekonomi negara-negara maju berkembang dengan lebih perlahan. Sementara itu, ekonomi Malaysia beransur pulih didorong oleh permintaan dalaman dan luaran. Kerajaan Malaysia telah melaksanakan langkah-langkah untuk meningkatkan peluang pekerjaan dan mengukuhkan pasaran tenaga buruh, yang membawa kepada prestasi yang lebih kukuh di pasaran buruh negara. Fasa 4 Pelan Pemulihan Negara (PPN) yang dilaksanakan di setiap negeri telah mendorong kepada peningkatan prestasi ekonomi. Perniagaan dibenarkan untuk kekal beroperasi dengan tempoh yang lebih panjang dan peraturan yang lebih longgar, membolehkan acara-acara utama dan perhimpunan sosial diadakan semula dengan mematuhi prosedur operasi standard (SOP). Ketika negara menyesuaikan diri dengan norma baru, tenaga buruh terus memberangsangkan berikutan pengoperasian sektor ekonomi dan aktiviti sosial, meskipun berlaku lonjakan kes COVID-19.

Pada bulan Mac 2022, gelombang Omicron melanda negara dengan 24,000 kes sehari yang merupakan kes tertinggi sejak 2020. Program Imunisasi COVID-19 Kebangsaan (PICK) telah meningkatkan kadar vaksinasi dan mengurangkan kadar kematian, memberikan sedikit kelegaan kepada masyarakat. Sementara itu, semua operasi perniagaan kekal seperti biasa, dimana mereka memerlukan tenaga buruh tambahan bagi keperluan operasi, sekaligus membuka peluang pekerjaan. Pada masa yang sama, dalam tempoh peralihan ke fasa endemik, sektor pelancongan antarabangsa yang dibuka semula pada bulan April 2022 telah merancakkan semula industri berkaitan pelancongan yang terjejas akibat pandemik COVID-19. Tambahan pula, rakyat Malaysia dan seluruh umat Islam di seluruh dunia menyambut Ramadan dan Aidilfitri yang merupakan waktu yang menggalakkan bagi perniagaan kecil dan perniagaan dari pelbagai industri, yang merangsang ekonomi dan peluang pekerjaan bagi pasaran buruh. Dengan situasi ideal ini, pembukaan semula sempadan negara telah membawa prestasi ekonomi yang lebih kukuh, membolehkan rakyat Malaysia kembali kepada kehidupan normal selepas tiga tahun bergelut dengan pandemik.

Pembukaan semula sempadan antarabangsa dan normalisasi secara beransur-ansur semua aktiviti ekonomi sejajar dengan fasa peralihan ke endemik, disokong oleh inisiatif kerajaan untuk mencapai pertumbuhan ekonomi yang mampan, menyumbang kepada pengukuhan pemulihan pasaran buruh Malaysia pada separuh pertama 2022. Pertubuhan Pelancongan Dunia Pertubuhan Bangsa-Bangsa Bersatu (UNWTO) melaporkan bahawa majoriti profesional pelancongan menjangkakan prospek yang lebih cerah untuk 2022, dengan 61 peratus daripada mereka menjangkakan keadaan kembali kepada normal. Walaupun 58 peratus meramalkan pemulihan pada tahun 2022, terutamanya pada suku ketiga, hanya 42 peratus percaya bahawa pemulihan akan berlaku pada tahun 2023. Majoriti penganalisis (64%) meramalkan ketibaan pelancong akan kembali kepada tahap 2019 hanya pada 2024 atau tahun seterusnya, meningkat

daripada 45 peratus dalam kajian September[1]. Penyusutan nilai Ringgit Malaysia (MYR) berbanding Dolar Amerika Syarikat (USD) memberi manfaat kepada ekonomi dan mengukuhkan imej pelancongan Malaysia sebagai destinasi yang menarik bagi pelancong asing. Melangkah ke bulan Julai hingga September 2022, cuti umum tambahan dan cuti sekolah disambut berikutan sambutan Hari Raya Aidiladha pada Julai, diikuti dengan Hari Kemerdekaan Malaysia pada Ogos dan Hari Kebangsaan pada September 2022, yang dilihat mampu merancakkan aktiviti pelancongan dan sektor-sektor yang berkaitan. Ini memberi impak positif kepada sektor pelancongan, menarik lebih daripada 3.21 juta pelancong dan menjana RM9.35 bilion keuntungan pelancongan, hampir mencapai sasaran negara sebanyak 4.5 juta. Pada tahun 2022, aktiviti ekonomi terus meningkat secara positif lantas meningkatkan permintaan pasaran untuk barangan dan perkhidmatan di pasaran dan juga menggalakkan peruncit kecil dan industri untuk meneruskan operasi mereka.

Pembukaan semula sempadan antarabangsa juga menggalakkan peningkatan yang berterusan dalam ketibaan pelancong, yang membantu ekonomi Malaysia untuk pulih ke tahap sebelum pandemik. Selain itu, pemulihan pasaran buruh yang berterusan dan peningkatan permintaan, terutamanya dalam sektor Pembuatan dan Perkhidmatan, mendorong kemajuan syarikat kerana peningkatan ketersediaan guna tenaga dengan pengangguran yang lebih rendah. Majikan perlu meningkatkan strategi pemerolehan bakat untuk kekal berdaya saing memandangkan 2022 diramalkan akan menyaksikan pulangan pertumbuhan dalam pelbagai sektor, dan jumlah pekerja dijangka meningkat. Walaupun berkemungkinan tidak ada calon yang berkelayakan untuk mengisi jawatan tertentu, calon-calon harus terus meningkatkan bidang kepakaran mereka untuk menunjukkan nilai dan relevan mereka[2]. Di penghujung tahun ini, ekonomi Malaysia mengukuh pada Disember 2022 berikutan cuti sekolah akhir tahun dan perayaan, dengan iklim perniagaan yang bertambah baik sepanjang musim cuti ini terutamanya bagi perbelanjaan pengguna terhadap produk dan perkhidmatan. Sokongan dasar yang berterusan telah ditetapkan untuk mengurangkan kesan peningkatan kos sara hidup dan risiko yang berkaitan dengan kegawatan geopolitik jangka panjang dan keadaan kewangan luaran yang lebih ketat. Usaha kerajaan untuk menyokong pasaran buruh banyak menyumbang kepada prestasi ekonomi yang lebih stabil, hasilnya mewujudkan lebih banyak pekerjaan dan mengurangkan pengangguran pada 2022.

[1] https://www.tourism.gov.my/files/uploads/TM_Marketing_Plan_2022_2026.pdf

[2] https://www.hays.com.my/malaysia-top-ten-talent-trends

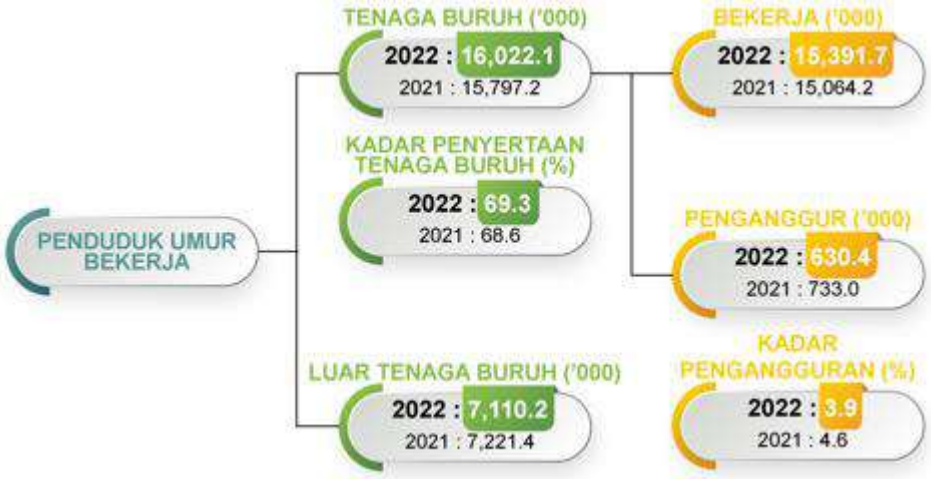
2. Konsep dan Definisi

3. Tenaga Buruh

KPTB pada tahun 2022 terus berada dalam trend meningkat kepada 69.3 peratus

Tenaga buruh di Malaysia pada tahun 2022 terus berkembang sebanyak 1.4 peratus (+224.9 ribu orang) mencapai jumlah seramai 16.02 juta orang berbanding 15.80 juta orang pada tahun 2021. Sementara itu, kadar penyertaan tenaga buruh (KPTB) kekal pada trend meningkat, bertambah sebanyak 0.7 mata peratus kepada 69.3 peratus (2021: 68.6%) **[Paparan 1]**.

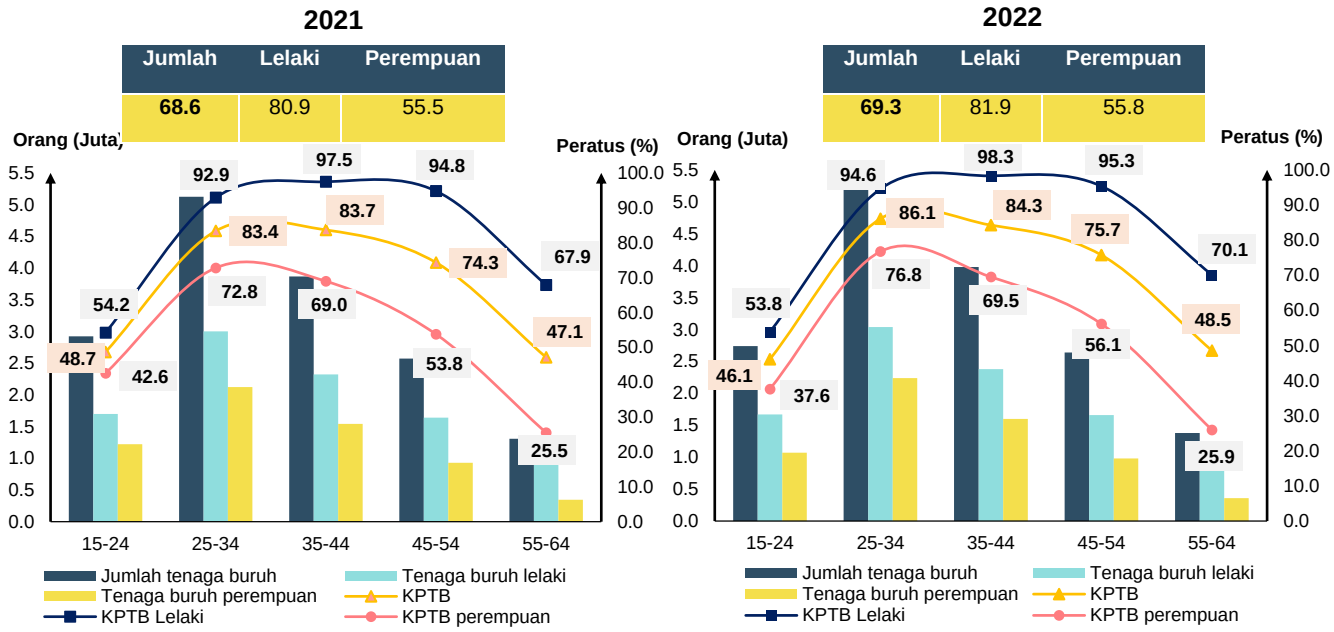
Paparan 1: Statistik utama tenaga buruh, Malaysia, 2021 dan 2022



Pada tahun tersebut, kedua-dua tenaga buruh lelaki dan perempuan merekodkan trend menaik. Tenaga buruh lelaki meningkat sebanyak 1.6 peratus (+150.7 ribu orang) kepada 9.78 juta orang berbanding 9.63 juta orang pada tahun 2021, manakala tenaga buruh perempuan juga mencatatkan peningkatan daripada 6.17 juta orang kepada 6.24 juta orang pada 2022. Pertumbuhan tahun ke tahun bagi tenaga buruh perempuan menaik sebanyak 1.2 peratus (+74.2 ribu orang). Sementara itu, KPTB bagi lelaki meningkat sebanyak 1.0 mata peratus kepada 81.9 peratus (2021: 80.9%) manakala KPTB perempuan juga naik sebanyak 0.3 mata peratus kepada 55.8 peratus (2021: 55.5%).

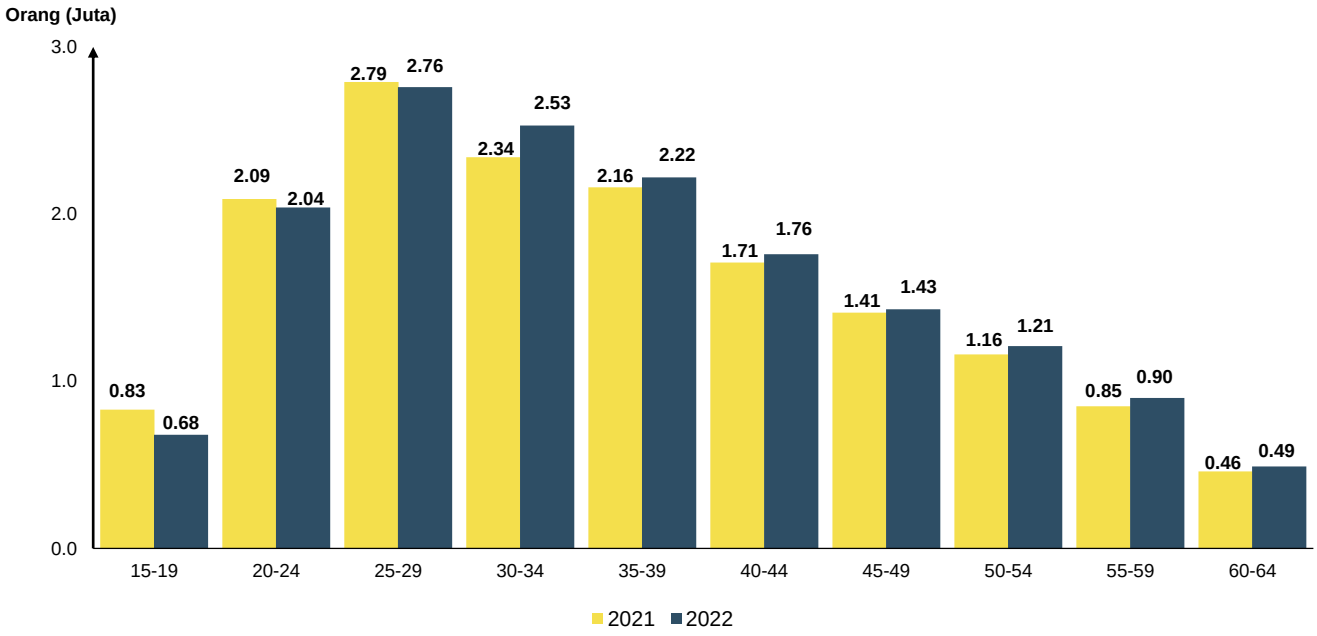
Mengikut kumpulan umur, umur 25 hingga 34 tahun mencatatkan KPTB tertinggi iaitu 86.1 peratus dan KPTB terendah direkodkan dalam kumpulan umur 15 hingga 24 tahun dengan 46.1 peratus. Kumpulan umur 35 hingga 44 tahun juga mencatatkan peningkatan sebanyak 0.6 mata peratus kepada 84.3 peratus diikuti oleh kumpulan umur 45 hingga 54 tahun dengan 75.7 peratus. Bagi jantina, KPTB tertinggi bagi tenaga buruh lelaki adalah dalam kumpulan umur 35 hingga 44 tahun dengan 98.3 peratus. Manakala, KPTB perempuan bagi kumpulan umur 25 hingga 34 tahun kekal paling tinggi, meningkat sebanyak 4.0 mata peratus kepada 76.8 peratus **[Carta 1]**.

Carta 1: Kadar penyertaan tenaga buruh mengikut jantina dan kumpulan umur, Malaysia, 2021 dan 2022



Berdasarkan taburan umur penduduk Malaysia, kumpulan umur 25 hingga 29 tahun merupakan bilangan tenaga buruh tertinggi dengan 17.2 peratus (2.76 juta orang). Susulan itu, kumpulan umur 30 hingga 34 tahun menyumbang 15.8 peratus (2.53 juta orang) dan kumpulan umur 35 hingga 39 tahun mencatatkan peratus sumbangan sebanyak 13.9 peratus (2.22 juta orang) **[Carta 2]**.

Carta 2: Tenaga buruh mengikut kumpulan umur, Malaysia, 2021 dan 2022



4. Penduduk Bekerja

Penduduk bekerja meningkat sebanyak 2.2 peratus merekodkan 15.39 juta orang

Pada tahun 2022, terdapat 15.39 juta orang penduduk bekerja, meningkat sebanyak 2.2 peratus atau 327.6 ribu orang, berbanding tahun sebelumnya (2021: 15.06 juta orang). Seterusnya, nisbah guna tenaga kepada penduduk, yang menunjukkan kemampuan ekonomi untuk mewujudkan pekerjaan, meningkat 1.1 mata peratus tahun ke tahun kepada 66.5 peratus (2021: 65.4%).

Dengan peratus sumbangan sebanyak 65.0 peratus, sektor Perkhidmatan mencatatkan bilangan penduduk bekerja tertinggi dalam sektor ekonomi, diikuti oleh sektor Pembuatan (16.8%) dan Pertanian (10.0%). Sementara itu, 7.6 peratus dan 0.5 peratus penduduk bekerja masing-masing dalam sektor Pembinaan dan Perlombongan & pengkuarian **[Paparan 2]**.

Paparan 2: Penduduk bekerja mengikut sektor, Malaysia, 2021 dan 2022

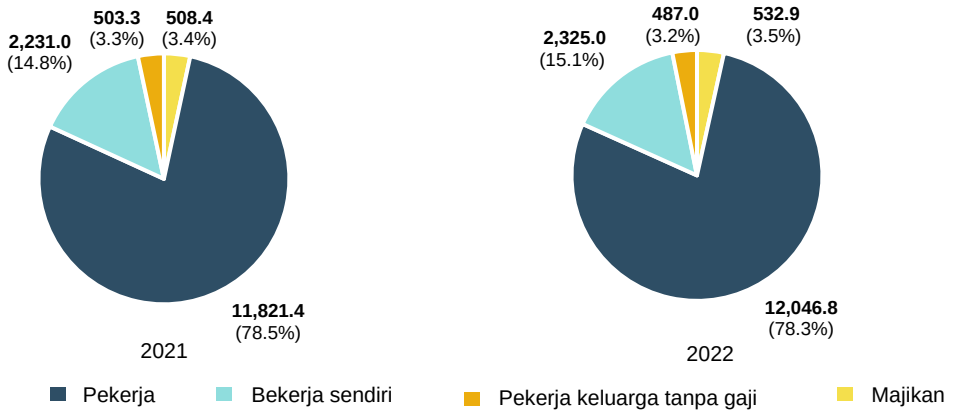
Mengikut pencapaian pendidikan, terdapat 8.41 juta penduduk bekerja yang berpendidikan menengah atau 54.6 peratus daripada jumlah penduduk bekerja, bertambah sebanyak 1.7 peratus berbanding tahun sebelumnya (2021: 8.27 juta orang). Penduduk bekerja berpendidikan tertiari menduduki tempat kedua dengan sumbangan sebanyak 34.5 peratus, meningkat sebanyak 6.6 peratus kepada 5.32 juta orang berbanding 2021 (4.99 juta orang). Bilangan penduduk bekerja yang berpendidikan rendah mempunyai peratus sumbangan sebanyak 8.4 peratus, menurun sebanyak 0.3 peratus kepada 1.29 juta orang (2021: 1.29 juta orang). Mereka yang dalam kategori tiada pendidikan rasmi mengekalkan baki sumbangan sebanyak 2.5 peratus dengan pengurangan sebanyak 26.2 peratus mencatatkan 378.5 ribu orang berbanding 513.1 ribu orang pada 2021 **[Paparan 3]**.

Paparan 3: Penduduk bekerja mengikut pencapaian pendidikan, Malaysia, 2021 dan 2022

Berdasarkan taraf pekerjaan, kategori pekerja merangkumi majoriti penduduk bekerja (78.3%) merekodkan peningkatan tahun ke tahun sebanyak 1.9 peratus kepada 12.05 juta orang (2021: 11.82 juta orang). Sementara itu, penduduk bekerja sendiri menyumbang sebanyak 15.1 peratus meningkat kepada 2.33 juta orang pada 2022 (2021: 2.23 juta orang). Pada masa yang sama, majikan merangkumi 3.5 peratus, manakala pekerja keluarga tanpa gaji adalah sebanyak 3.2 peratus. Bilangan majikan bertambah sebanyak 4.8 peratus merekodkan 532.9 ribu orang (2021: 508.4 ribu orang), manakala pekerja keluarga tanpa gaji menurun sebanyak 3.3 peratus kepada 487.0 ribu orang (2021: 503.3 ribu orang) **[Carta 3]**.

Carta 3: Penduduk bekerja mengikut taraf pekerjaan, Malaysia, 2021 dan 2022

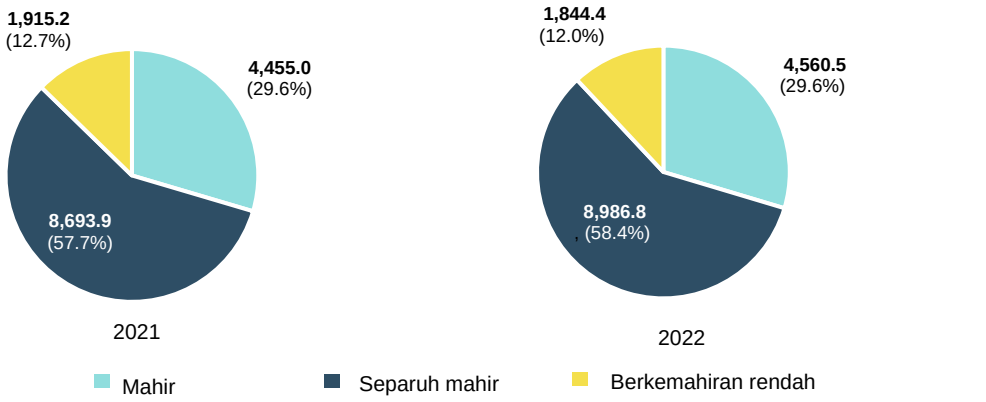
('000)



Dari segi tahap kemahiran, pekerja separuh mahir mewakili majoriti penduduk bekerja pada 2022 (58.4%), diikuti oleh pekerja mahir (29.6%) dan pekerja berkemahiran rendah (12.0%). Tahun ke tahun, bilangan pekerja separuh mahir meningkat sebanyak 3.4 peratus merekodkan 8.99 juta orang. Begitu juga, bilangan penduduk bekerja dalam kategori mahir meningkat sebanyak 2.4 peratus mencatatkan 4.56 juta orang namun bagi kategori berkemahiran rendah, ia turun sebanyak 3.7 peratus kepada 1.84 juta orang pada 2022 **[Carta 4]**.

Carta 4: Penduduk bekerja mengikut tahap kemahiran, Malaysia, 2021 dan 2022

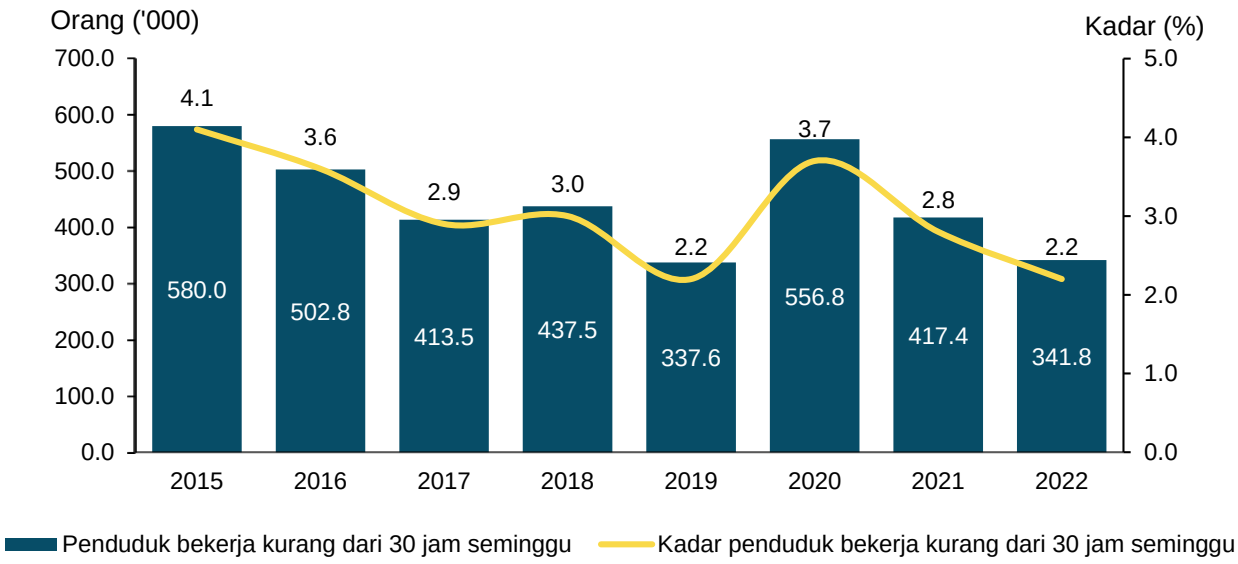
('000)



Bekerja kurang dari 30 jam seminggu, guna tenaga tidak penuh berkaitan masa dan guna tenaga tidak penuh berkaitan kemahiran

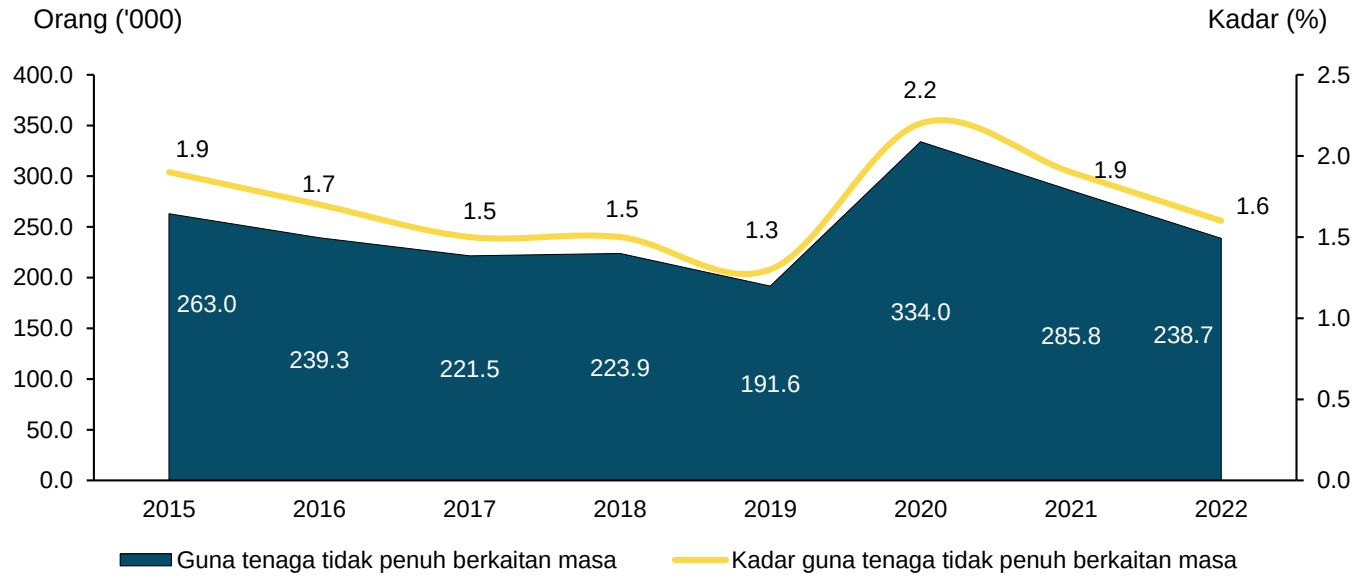
Penduduk bekerja yang bekerja kurang 30 jam seminggu merujuk kepada mereka yang bekerja kurang 30 jam pada minggu rujukan disebabkan keadaan kerja atau kerana kerja yang tidak mencukupi. Pada 2022, Fasa 4 PPN dilaksanakan di setiap negeri, yang membawa kepada peningkatan prestasi ekonomi. Oleh itu, bilangan penduduk bekerja kurang 30 jam seminggu menurun sebanyak 18.1 peratus tahun ke tahun (-75.6 ribu orang) kepada 341.8 ribu orang (2021: 417.4 ribu orang). Penduduk bekerja kurang daripada 30 jam seminggu merangkumi 2.2 peratus daripada jumlah penduduk bekerja, turun sebanyak 0.6 mata peratus berbanding tahun sebelumnya (2021: 2.8%) **[Carta 5]**.

Carta 5: Penduduk bekerja kurang 30 jam seminggu, Malaysia, 2015 - 2022



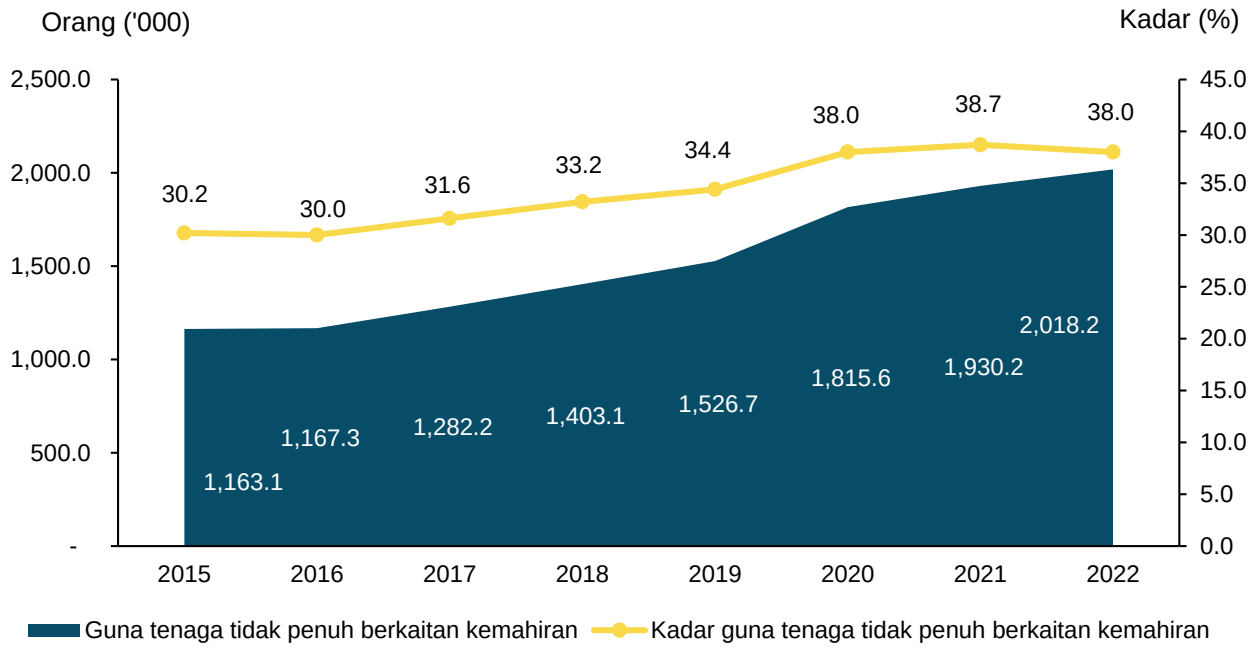
Justeru, kadar guna tenaga tidak penuh berkaitan masa merekodkan 1.6 peratus pada tahun 2022 iaitu menurun sebanyak 0.3 mata peratus (2021: 1.9%), mencatatkan pengurangan sebanyak 16.5 peratus (-47.1 ribu orang) kepada 238.7 ribu orang (2021: 285.8 ribu orang). Guna tenaga tidak penuh berkaitan masa ditakrifkan sebagai mereka yang bekerja kurang dari 30 jam seminggu disebabkan keadaan kerja atau kerana kerja yang tidak mencukupi dan boleh serta sanggup untuk menerima tambahan bilangan jam bekerja **[Carta 6]**.

Carta 6: Guna tenaga tidak penuh berkaitan masa, Malaysia, 2015 - 2022



Secara umumnya, ketidaksepadanan pekerjaan merujuk kepada situasi di mana seseorang perlu menerima pekerjaan yang memerlukan kemahiran lebih rendah daripada pencapaian pendidikannya. Oleh itu, ia dapat digambarkan melalui indikator guna tenaga tidak penuh berkaitan kemahiran yang mengukur kumpulan yang mempunyai pendidikan tertiari dan bekerja dalam kategori pekerjaan separuh mahir dan berkemahiran rendah. Pada 2022, guna tenaga tidak penuh berkaitan kemahiran menunjukkan peningkatan sebanyak 4.6 peratus (+88.0 ribu orang) kepada 2.02 juta orang (2021: 1.93 juta orang). Walau bagaimanapun, melihat kepada kadar, ia mencatatkan penurunan kepada 38.0 peratus berbanding 38.7 peratus pada 2021 **[Carta 7]**.

Carta 7: Guna tenaga tidak penuh berkaitan kemahiran, Malaysia, 2015 - 2022



Berikutan lebih banyak aktiviti sosial dan komersil yang dibenarkan beroperasi dengan waktu perniagaan yang lebih panjang termasuk kebenaran perjalanan rentas negeri dan aktiviti pelancongan destinasi tertentu dibuka semula, bilangan penduduk bekerja yang tidak bekerja buat sementara waktu melaporkan penurunan sebanyak 71.5 peratus atau 218.8 ribu orang kepada 87.3 ribu orang pada 2022 (2021: 306.1 ribu orang).

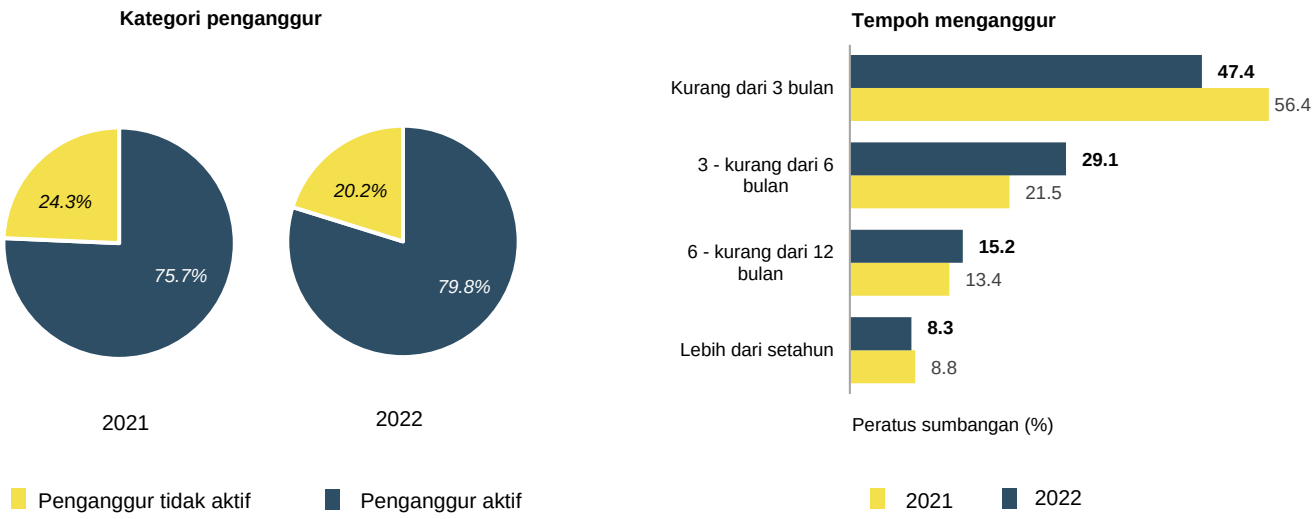
5. Pengangguran

Kadar pengangguran pada tahun 2022 menurun kepada 3.9 peratus

Perbandingan dengan tahun sebelumnya, kadar pengangguran pada tahun 2022 mencatatkan penurunan sebanyak 0.7 mata peratus kepada 3.9 peratus susulan daripada peningkatan ekonomi yang beransur pulih dari pandemik COVID-19. Sejajar itu, bilangan penganggur menurun sebanyak 102.7 ribu orang untuk merekodkan 630.4 ribu orang penganggur (2021: 733.0 ribu orang).

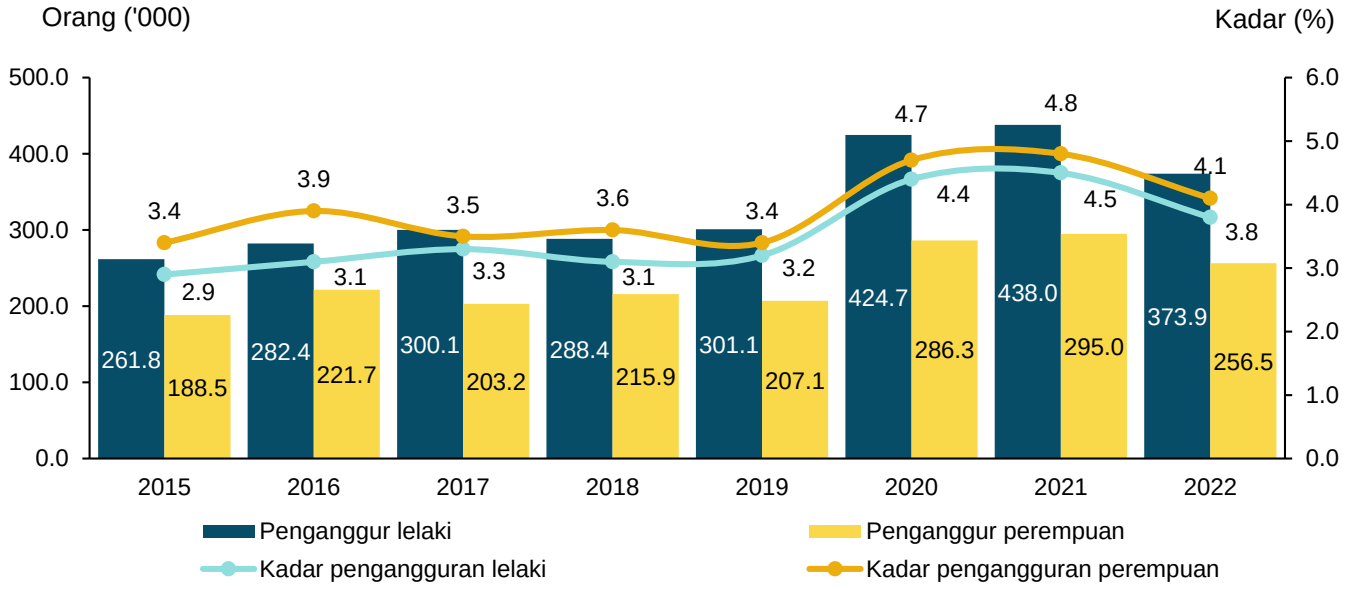
Mengikut kategori penganggur, penganggur aktif atau mereka yang bersedia untuk bekerja dan aktif mencari pekerjaan merangkumi 79.8 peratus daripada jumlah penganggur pada tahun tersebut. Kumpulan ini berkurang sebanyak 9.3 peratus (-51.7 ribu orang) kepada 503.0 ribu orang (2021: 554.7 ribu orang). Dalam kalangan penganggur aktif, mereka yang menganggur kurang daripada tiga bulan merangkumi 47.4 peratus, manakala mereka yang berada dalam pengangguran jangka panjang melebihi setahun adalah 8.3 peratus atau bersamaan 41.5 ribu orang. Bagi mereka yang percaya tiada pekerjaan yang tersedia atau penganggur tidak aktif atau kumpulan pasif menurun kepada 127.4 ribu orang (-28.6%) pada tahun tersebut **[Carta 8]**.

Carta 8: Kategori penganggur dan tempoh menganggur, Malaysia, 2021 dan 2022



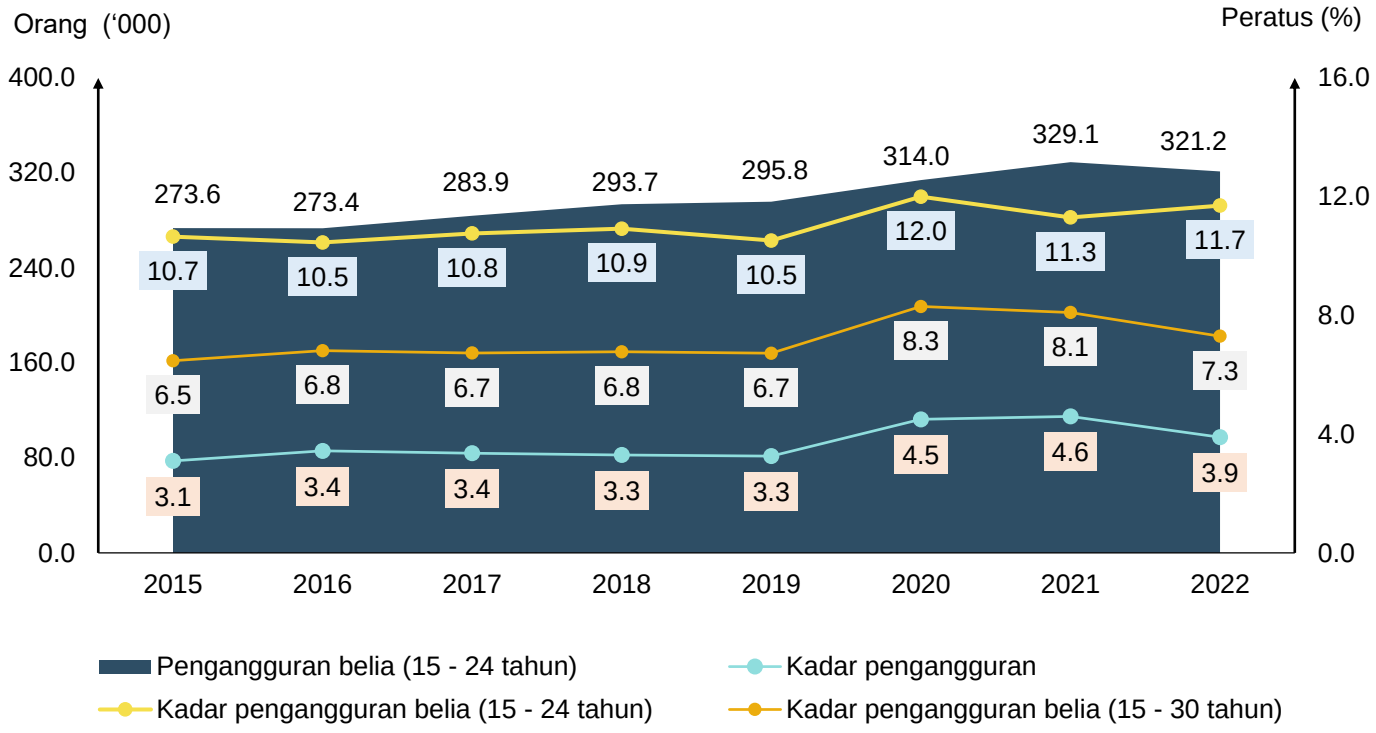
Kadar pengangguran bagi lelaki dan perempuan masing-masing menurun sebanyak 0.7 mata peratus kepada 3.8 peratus (2021: 4.5%) dan 4.1 peratus (2021:4.8%) **[Carta 9].**

Carta 9: Penganggur dan kadar pengangguran mengikut jantina, Malaysia, 2015 - 2022



Kadar pengangguran bagi belia berumur 15 hingga 24 tahun meningkat sebanyak 0.4 mata peratus kepada 11.7 peratus (2021: 11.3%), merekodkan 321.2 ribu penganggur belia pada 2022. Sebaliknya, kadar pengangguran bagi belia berumur 15 hingga 30 tahun menurun kepada 7.3 peratus (2020: 8.1%). Begitu juga, kadar pengangguran bagi golongan dewasa berumur 25 hingga 64 tahun menurun sebanyak 0.8 mata peratus kepada 2.3 peratus (2021: 3.1%) **[Carta 10]**.

Carta 10: Kadar pengangguran mengikut kumpulan umur terpilih, Malaysia, 2015 - 2022

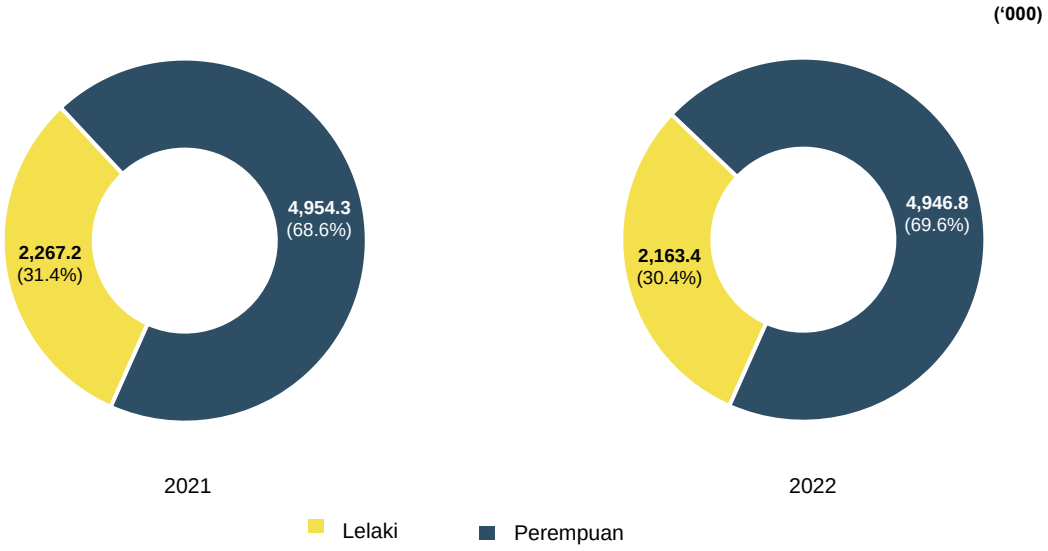


6. Luar Tenaga Buruh

Komposisi terbesar luar tenaga buruh mengikut jantina adalah golongan perempuan

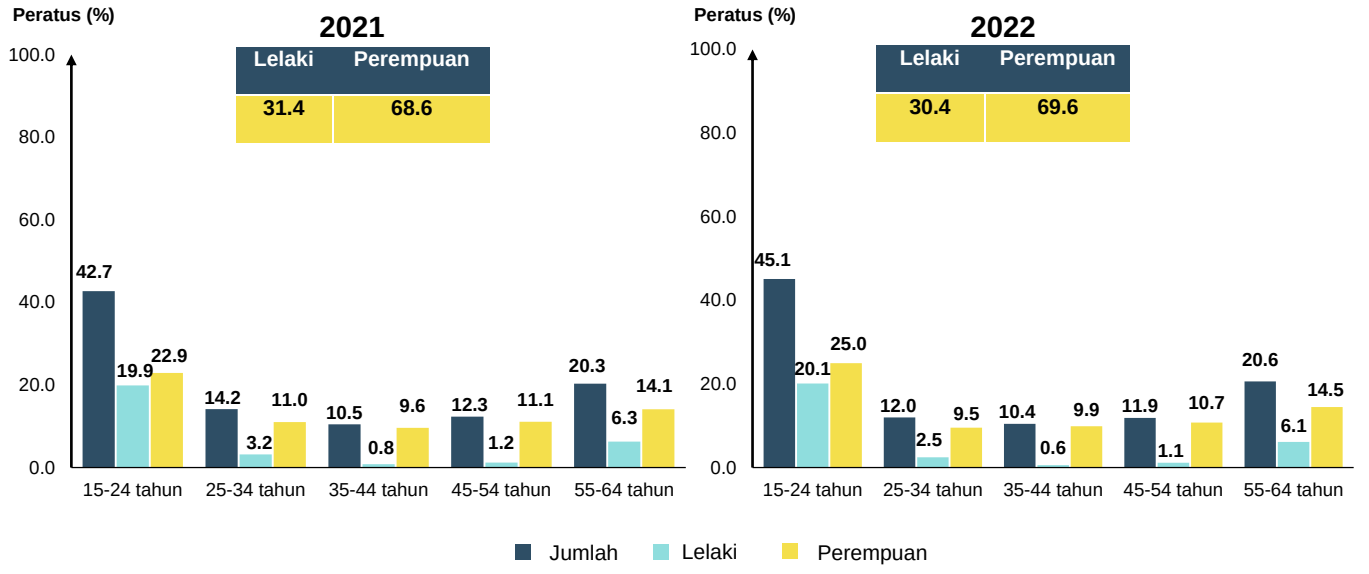
Pada tahun 2022, jumlah penduduk luar tenaga buruh mencecah seramai 7.11 juta orang, berkurang sebanyak 1.5 peratus atau bersamaan 111.3 ribu orang (2021: 7.22 juta orang). Mengikut jantina, perempuan menyumbang 69.6 peratus daripada penduduk luar tenaga buruh dan lelaki menyumbang sebanyak 30.4 peratus. Bilangan luar tenaga buruh perempuan berkurang sebanyak 0.2 peratus kepada 4.95 juta orang (2021: 4.95 juta), manakala bilangan lelaki berkurang sebanyak 4.6 peratus kepada 2.16 juta orang pada tahun 2022 (2021: 2.27 juta orang) **[Carta 11]**.

Carta 11: Penduduk luar tenaga buruh mengikut jantina, Malaysia, 2021 dan 2022



Pada tahun tersebut, penduduk berumur 15 hingga 24 tahun merupakan kategori terbesar luar tenaga buruh iaitu pada 45.1 peratus. Majoriti kumpulan umur ini disumbang oleh golongan perempuan sebanyak 25.0 peratus manakala golongan lelaki mencatatkan 20.1 peratus **[Carta 12]**.

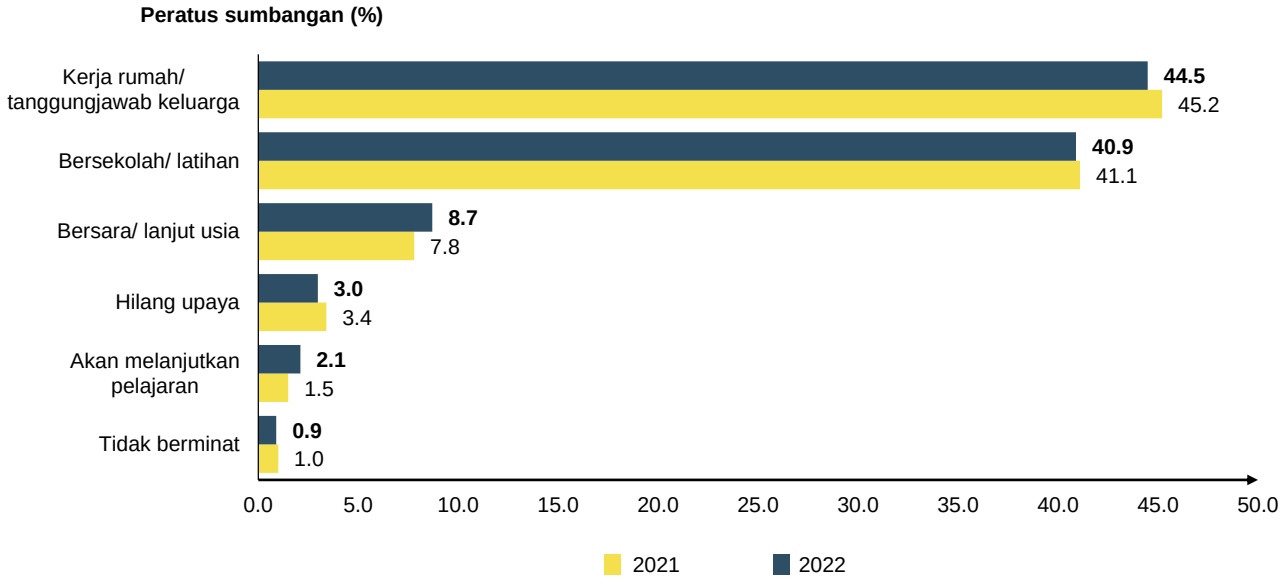
Carta 12: Penduduk luar tenaga buruh mengikut kumpulan umur dan jantina, Malaysia, 2021 dan 2022



Kerja rumah/ tanggungjawab keluarga merupakan sebab utama luar tenaga buruh

Kategori kerja rumah/ tanggungjawab keluarga merupakan sebab utama luar tenaga buruh dengan peratus sumbangan sebanyak 44.5 peratus berbanding 45.2 peratus pada tahun 2021. Bersekolah/ latihan menduduki tempat kedua dengan peratus sumbangan sebanyak 40.9 peratus pada tahun 2022 **[Carta 13]**.

Carta 13: Peratus sumbangan penduduk luar tenaga buruh mengikut sebab tidak mencari pekerjaan, Malaysia, 2021 dan 2022

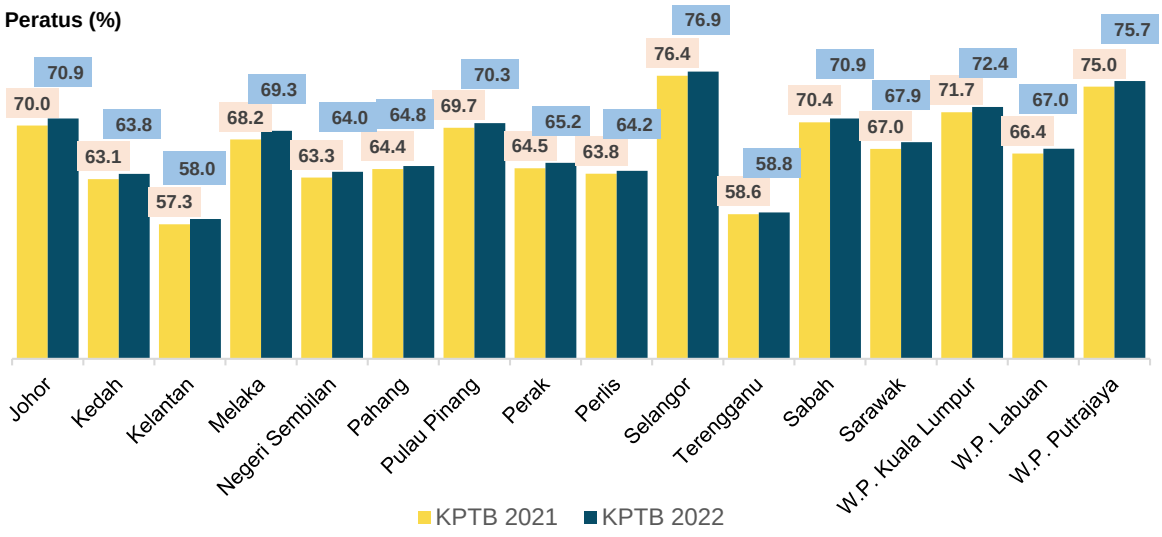


7. Indikator Terpilih Mengikut Negeri

KPTB dan kadar pengangguran mengikut negeri

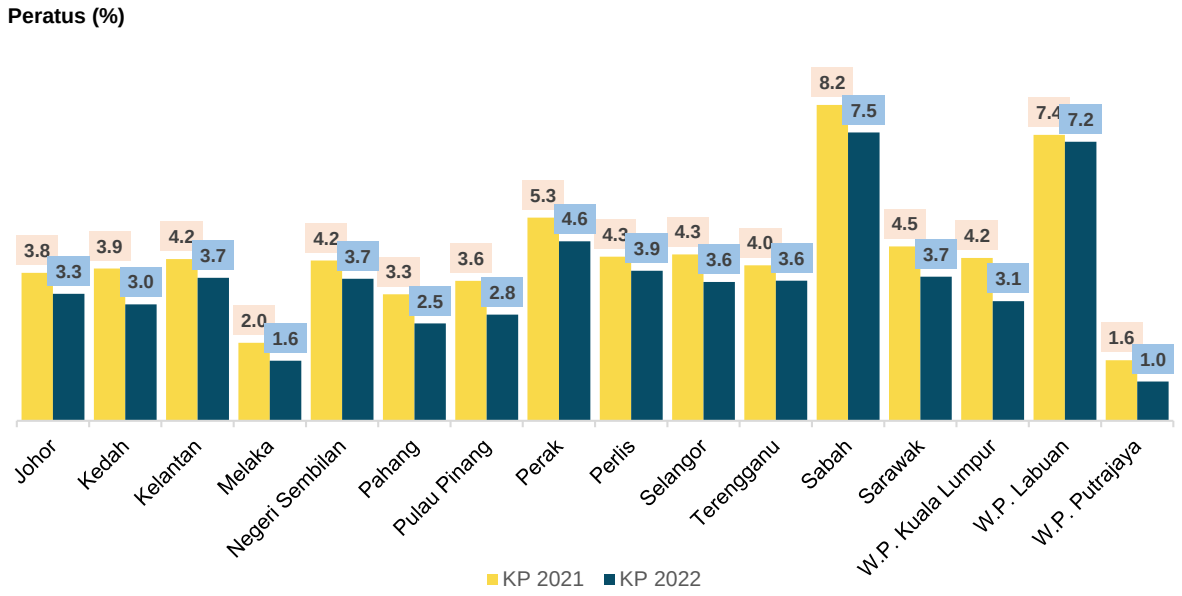
Dari segi prestasi mengikut negeri, kadar penyertaan tenaga buruh yang lebih tinggi menunjukkan lebih banyak penyertaan buruh dalam ekonomi. Pada tahun 2022, kesemua negeri menunjukkan peningkatan dalam KPTB, dengan negeri Selangor mencatatkan kadar tertinggi iaitu pada 76.9 peratus, diikuti oleh W.P. Putrajaya (75.7%), W.P. Kuala Lumpur (72.4%), Johor dan Sabah (70.9%) **[Carta 14]**.

Carta 14: Kadar penyertaan tenaga buruh mengikut negeri, 2021 dan 2022



Bagi kadar pengangguran mengikut negeri, kesemua negeri merekodkan penurunan pada kadar pengangguran. Pada tahun tersebut, W.P. Putrajaya mencatatkan kadar pengangguran terendah dengan 1.0 peratus, diikuti oleh negeri Melaka (1.6%) dan Pahang (2.5%) **[Carta 15]**.

Carta 15: Kadar pengangguran mengikut negeri, 2021 dan 2022



8. Menuju ke Hadapan

Pada tahun 2022, ekonomi Malaysia terus pulih, didorong oleh permintaan luar dan domestik, walaupun pada kadar yang lebih perlahan, memandangkan tahun 2022 diselubungi dengan pertumbuhan ekonomi yang lebih perlahan, terutamanya bagi negara-negara maju. Kerajaan telah melaksanakan pelbagai inisiatif untuk meningkatkan peluang pekerjaan dan mengukuhkan pasaran buruh bagi menyokong pertumbuhan sosioekonomi. Fasa 4 PPN telah dilaksanakan di semua negeri pada awal 2022, yang membolehkan perniagaan beroperasi dengan tempoh yang lebih lama serta kelonggaran sekatan. Keadaan ini mendorong tenaga buruh untuk lebih kukuh lagi pada awal 2022 berikutan pengoperasian semua sektor ekonomi dan aktiviti sosial, walaupun dengan lonjakan kes harian COVID-19.

Walau bagaimanapun, peningkatan kadar vaksinasi melalui PICK telah mengurangkan bilangan kematian. Selain itu, berikutan normalisasi aktiviti ekonomi dan selaras dengan fasa peralihan ke endemik serta pembukaan semula sempadan antarabangsa, disokong oleh dasar kerajaan untuk mencapai pertumbuhan ekonomi yang mampan, pemulihan pasaran buruh Malaysia meningkat sepanjang separuh tahun pertama 2022. Tambahan lagi, ekonomi Malaysia diyakini akan mendapat manfaat daripada penyusutan MYR berbanding Dolar AS disebabkan ia menjadikan Malaysia sebagai destinasi pelancongan yang lebih digemari oleh pelancong antarabangsa dan memberi petanda yang baik untuk menggiatkan lagi industri pelancongan Malaysia.

Menjelang akhir 2022, pelancongan domestik dan antarabangsa meningkat, membawa kepada kedudukan ekonomi Malaysia kembali kepada tahap pra-pandemik. Sokongan dasar telah dilaksanakan untuk mengurangkan kesan peningkatan kos hidup dan mengurangkan risiko

negatif. Selanjutnya, pemulihan pasaran buruh yang berterusan dan peningkatan permintaan, terutamanya dalam sektor Perkhidmatan dan Pembuatan, telah mendorong pertumbuhan perniagaan, yang membawa kepada peningkatan guna tenaga dan pengangguran yang lebih rendah. Oleh itu, prestasi pasaran buruh kekal stabil pada tahun 2022, selaras dengan pertumbuhan ekonomi.

Melihat ke hadapan bagi situasi tenaga buruh pada tahun 2023, pertumbuhan ekonomi Malaysia diunjurkan lebih sederhana pada 2023. Peningkatan bilangan ketibaan pelancong akan terus menyokong pemulihan dalam subsektor pelancongan seiring dengan kedudukan pasaran yang bertambah baik, terutamanya dalam sektor Perkhidmatan. Berikutan aktiviti ekonomi yang terus berkembang pada tahun 2023, pasaran buruh dijangka kekal stabil.

1. Introduction

THE GOVERNMENT'S EFFORTS TO SUPPORT THE LABOUR MARKET CONTRIBUTED TO STABLE PERFORMANCE, RESULTING MORE JOBS AND REDUCING UNEMPLOYMENT IN 2022

While developed countries economies grew more slowly in 2022, Southeast Asia's economy recovered strongly from the 2021 recession. In the meantime, Malaysia's economy recovers progressively, driven by both internal and external demand. The Malaysian government has implemented steps measures to increase employment opportunities and strengthen the labour market, resulting in strong performance in the country's labour market. In 2022, Phase 4 of the National Recovery Plan (NRP) was implemented in every state has led to an improvement of the economic performance. Businesses were allowed to stay open longer and regulations were eased, allowing major events and social gatherings to resume in accordance with to the standard operating procedures (SOPs). As the nation adjusted to a new norm, the labour force strengthened further due to continued economic and social activities, despite the COVID-19 surge.

In March 2022, the Omicron wave hit the country with 24,000 daily cases which is the highest cases since 2020. The National COVID-19 Immunisation Programme (NIP) has increased the vaccination rates and decreased the death rates, providing some solace to the community. Meanwhile, all business operation remained as usual, which even they need additional labour for operational needs, thus resulting in job opportunities. At the same time, the transition to an endemic phase took place, causing the international tourism sector reopened in April 2022 and has revitalizing tourism-related industries that had been hit by the COVID-19 pandemic. Additionally, Malaysians and all Muslims around the world celebrated Ramadan and Aidilfitri, known as an appealing period for small businesses and cross-industry businesses, which boosts the economy and extra opportunities for labour market. With all of these ideal conditions, the reopening of the country's border allowed for a more robust economic performance, allowing Malaysians to return to normal life after three years of pandemic-related struggles.

The reopening of international borders and the gradual normalisation of all economic activities in line with the endemic transition phase, supported by government initiatives to achieve sustainable economic growth, contributed to further strengthening Malaysia's labour market recovery during the first half of 2022. The United Nations World Tourism Organisation (UNWTO) reports that the majority of tourism professionals expect brighter prospects for 2022, with 61 per cent of them anticipating a return to normal. Despite the fact that 58 per cent predict a rebound in 2022, primarily in the third quarter, only 42 per cent believe one would occur in 2023. The majority of experts (64%) predict tourist arrivals to return to 2019 levels only in 2024 or later, up from 45 per cent in the September study[1].The depreciation of the Malaysian Ringgit (MYR) against the United States Dollar (USD) benefited the economy and strengthened Malaysia's tourism image as an attractive destination for foreign visitors. Moving on to July to September 2022, additional public holidays and school breaks were celebrated as a result of the Aidiladha celebration in July, followed by the Independent Day of Malaysia in August and the National Day in September 2022, which was seen to flourish tourism activities and related sectors. This positively impacted the tourism sector, attracting over 3.21 million tourists and generating RM9.35 billion in tourism profits, almost reaching the nation's target of 4.5 million visitors. In 2022, economic activity continues to rise which positively boosts the market demand for goods and services in the market and also

[1] https://www.tourism.gov.my/files/uploads/TM_Marketing_Plan_2022_2026.pdf

encouraging small retailers and industries to continue their operations. The reopening of the international border also encouraged a steady increase in tourist arrivals, which helped Malaysia's economy to recover to its pre-pandemic level. Additionally, the ongoing labour market recovery and the rise in demand, notably in the Manufacturing and Services sectors, boosted company growth as the availability of employment increased with lower unemployment. Employers will need to increase their talent acquisition and retention strategies in order to remain competitive given that 2022 is predicted to see a return of growth across a variety of sectors, and headcounts are anticipated to climb. While there may not be enough qualified candidates to fill certain positions, candidates should keep improving their areas of expertise in order to demonstrate their value and relevance[2]. By the end of this year, Malaysia's economy strengthened in December 2022 due to the year-end school holiday and festive events, with the business climate improved throughout this holiday season, particularly for consumer spending on products and services. Continuous policy support was put in place to lessen the effects of rising costs of living and the hazards associated with long-term geopolitical turmoil and stricter external financial circumstances. The government's efforts to support the labour market contributed to stable economic performance, as a result, creating more jobs and reducing unemployment in 2022.

2. Concept and Definition

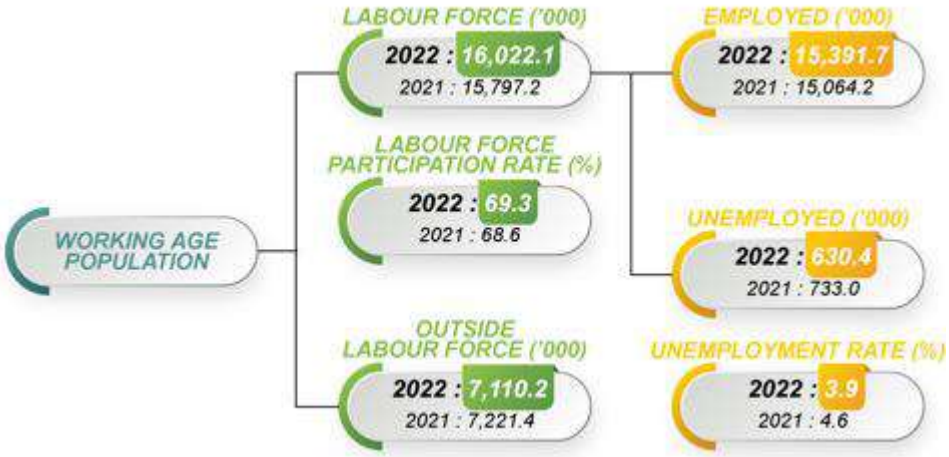
[2] https://www.hays.com.my/malaysia-top-ten-talent-trends

3. Labour Force

LFPR continued its upward trend to 69.3 per cent in 2022

Labour force in Malaysia in 2022 strengthened further by 1.4 per cent (+224.9 thousand persons) reaching a total of 16.02 million persons as compared to 15.80 million persons in 2021. Meanwhile, the labour force participation rate (LFPR) remained on an increasing trend, escalated by 0.7 percentage points to 69.3 per cent (2021: 68.6%) ***[Exhibit 1]****.*

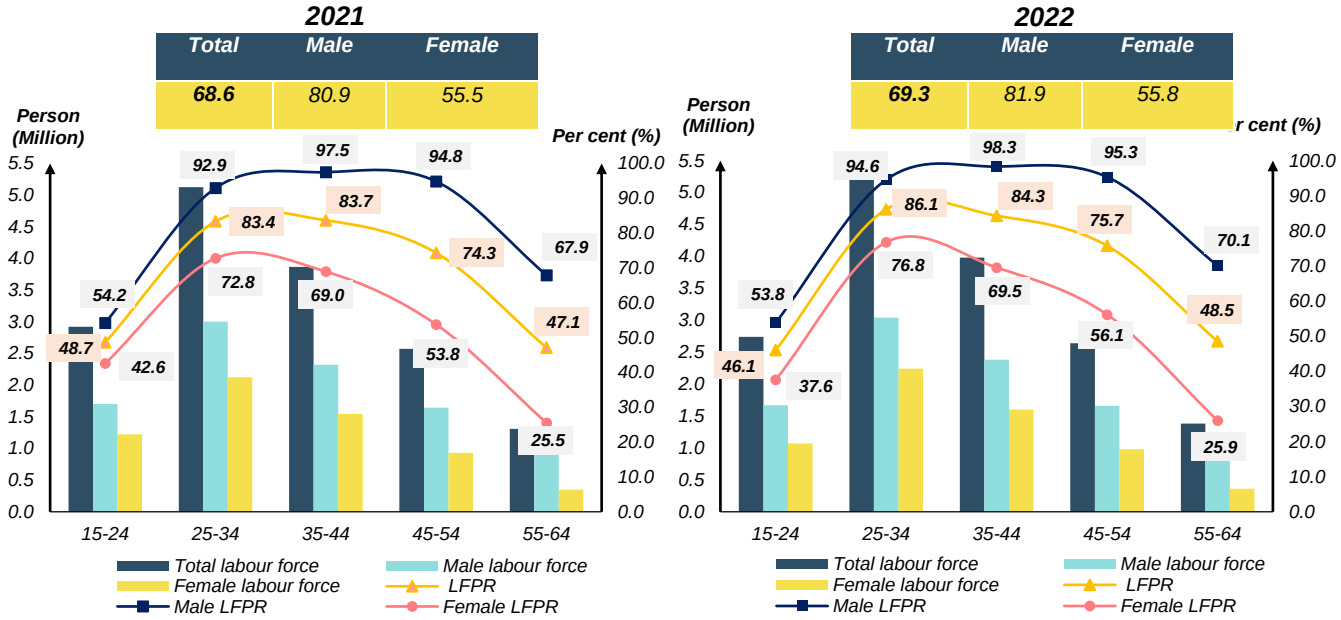
Exhibit 1: *Principal statistics of labour force, Malaysia, 2021 and 2022*



During the year, both male and female labour force recorded an upward trend. The male labour force rose by 1.6 per cent (+150.7 thousand persons) to 9.78 million persons compared to 9.63 million persons in 2021, while the female labour force also posted an increase from 6.17 million persons to 6.24 million persons in 2022. Year-on-year growth for female labour force increased by 1.2 per cent (+74.2 thousand persons). In the meantime, LFPR for male improved by 1.0 percentage points to 81.9 per cent (2021: 80.9%), while LFPR for female also improved by 0.3 percentage points to 55.8 per cent (2021: 55.5%).

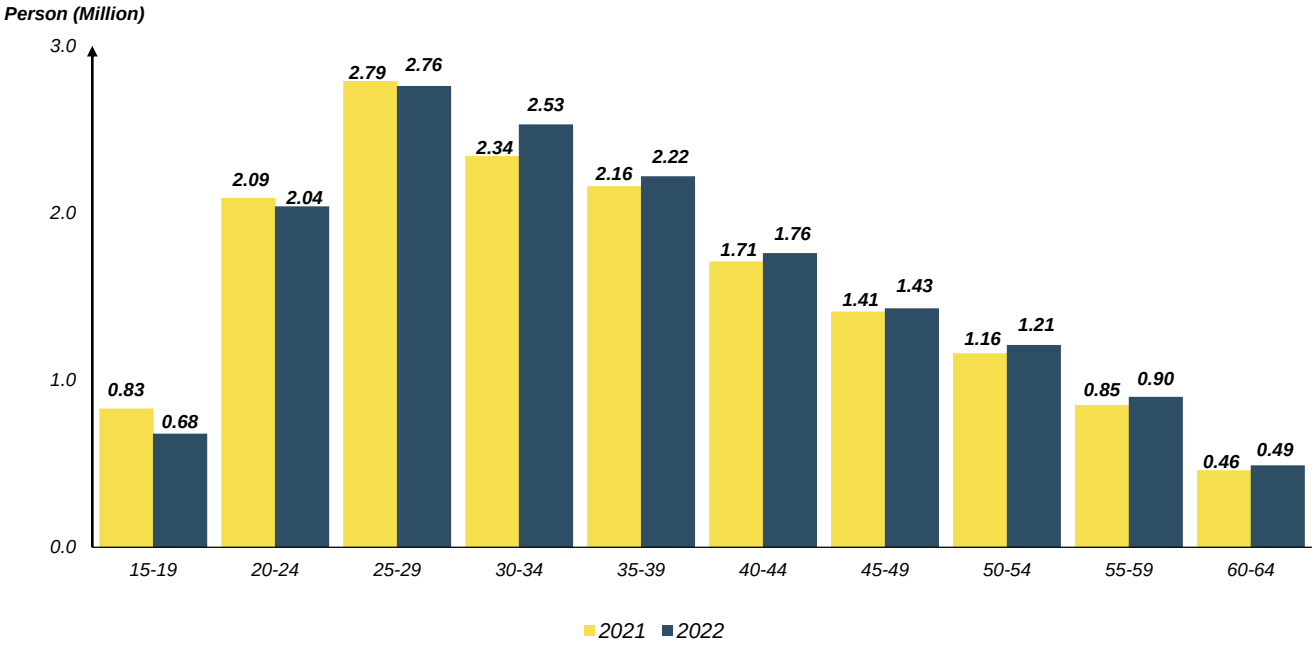
By age group, aged 25 to 34 years posted the highest LFPR with 86.1 per cent and the lowest LFPR recorded in the age group of 15 to 24 years with 46.1 per cent. Age group of 35 to 44 years also registered an increase of 0.6 percentage points to 84.3 per cent followed by age group of 45 to 54 with 75.7 per cent. As for gender, the highest LFPR for male labour force was in the age group of 35 to 44 years with 98.3 per cent. Meanwhile, female LFPR for age group of 25 to 34 years remain the highest, increased by 4.0 percentage points to 76.8 per cent ***[Chart 1]****.*

Chart 1: *Labour force participation rate by sex and age group, Malaysia, 2021 and 2022*



Based on Malaysia's population age distribution, age group of 25 to 29 years was the highest number of labour force with 17.2 per cent (2.76 million persons). Following this, age group 30 to 34 years contributed 15.8 per cent (2.53 million persons) and age group 35 to 39 years registered a share of 13.9 per cent (2.22 million persons) ***[Chart 2]****.*

Chart 2: *Labour force by age group, Malaysia, 2021 and 2022*



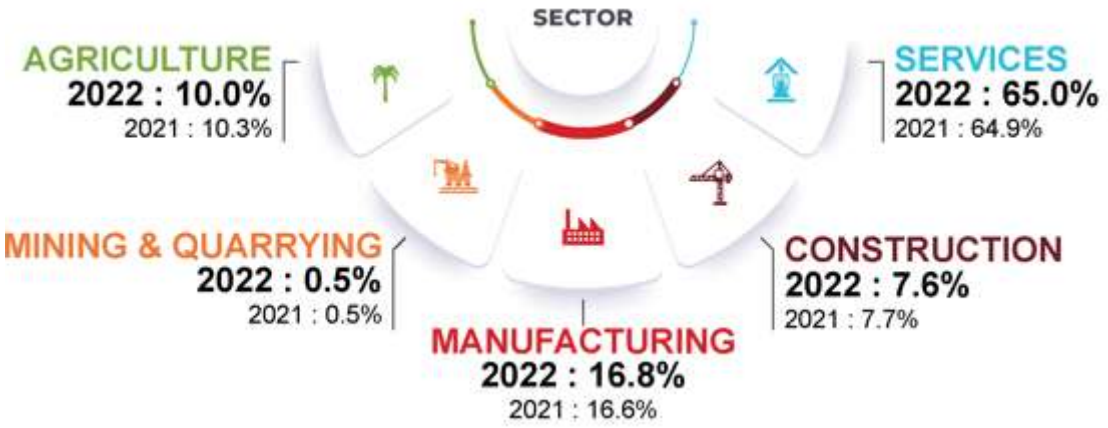
4. Employed Person

Employed person increased by 2.2 per cent to record 15.39 million persons

In 2022, there were 15.39 million of employed persons, increased by 2.2 per cent or 327.6 thousand persons, as compared to the preceding year (2021: 15.06 million persons). Subsequently, the employment-to-population ratio, which indicates the ability of an economy to create employment, increased 1.1 percentage points year-on-year to reach 66.5 per cent (2021: 65.4%).

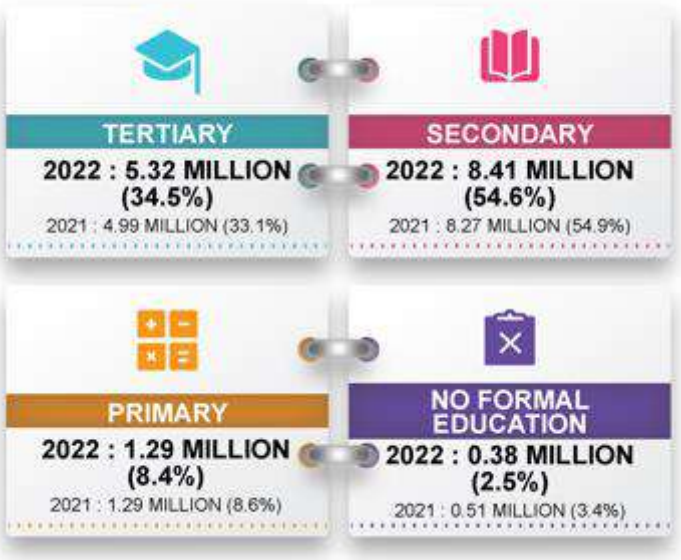
With a share of 65.0 percent, the Services sector had the highest number of employed persons within the economy sector, followed by Manufacturing (16.8%) and Agriculture (10.0%) sectors. In the meantime, there were 7.6 per cent and 0.5 per cent of employed persons in the Construction and Mining & quarrying sectors, respectively ***[Exhibit 2]****.*

Exhibit 2: *Employed persons by sector, Malaysia, 2021 and 2022*



According to educational attainment, there were 8.41 million employed persons with a secondary education or 54.6 per cent from the total employment, added by 1.7 per cent as compared to the previous year (2021: 8.27 million persons). Employed persons with tertiary education ranked second with a share of 34.5 per cent, increased by 6.6 per cent to 5.32 million persons in comparison to 2021 (4.99 million persons). The number of employed persons who attained primary education had a percentage share of 8.4 per cent, decreased by 0.3 per cent to 1.29 million persons (2021: 1.29 million persons). Those with no formal education category holds up the remaining share of 2.5 per cent with a decrease of 26.2 per cent to register 378.5 thousand persons as against to 513.1 thousand persons in 2021 ***[Exhibit 3]****.*

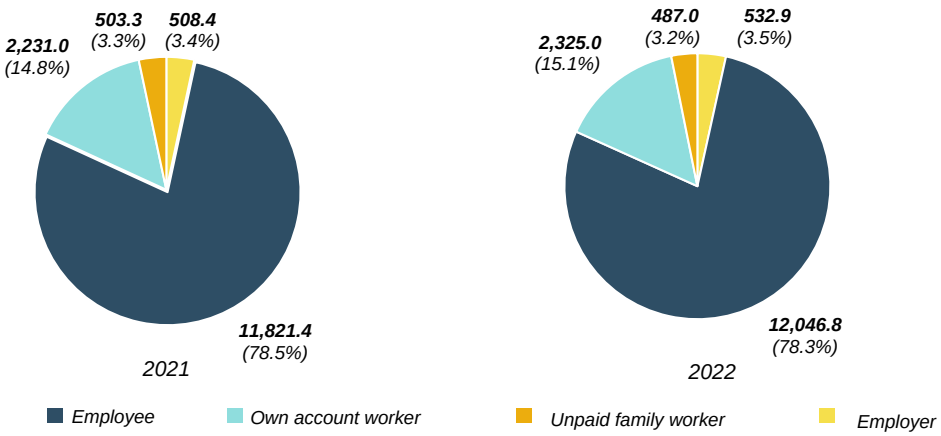
Exhibit 3: *Employed persons by educational attainment, Malaysia, 2021 and 2022*



Based on the status of employment, the employee's category accounted for the majority of employed persons (78.3%), reported a year-on-year increase of 1.9 per cent to 12.05 million persons (2021: 11.82 million persons). Meanwhile, own-account workers accounted for 15.1 per cent increased to 2.33 million persons in 2022 (2021: 2.23 million persons). In the meantime, employers made up by 3.5 per cent, while unpaid family workers accounted for 3.2 per cent. The number of employers increased by 4.8 per cent to record 532.9 thousand persons (2021: 508.4 thousand persons), while number of unpaid family workers decreased by 3.3 per cent to 487.0 thousand persons (2021: 503.3 thousand persons) ***[Chart 3]****.*

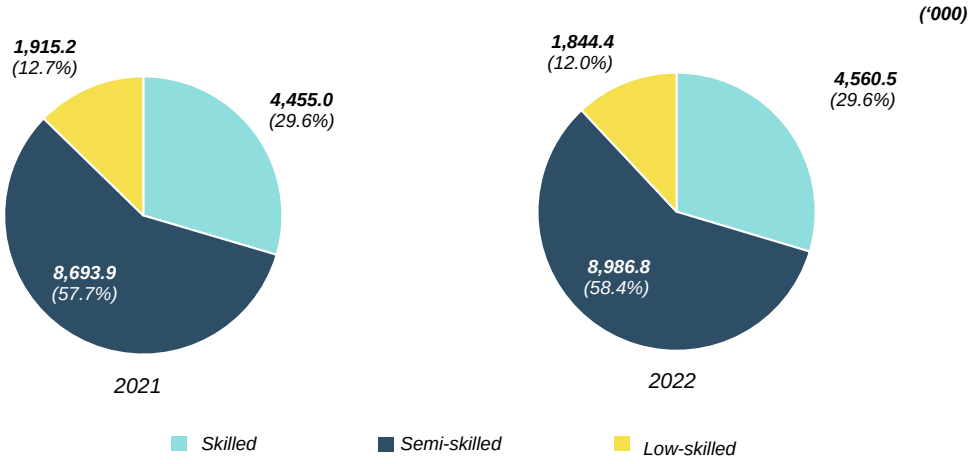
Chart 3: *Employed persons by status of employment, Malaysia, 2021 and 2022*

('000)



In terms of skill level, semi-skilled workers represent the majority of employed persons in 2022 (58.4%), followed by skilled workers (29.6%) and low-skilled workers (12.0%). Year-on-year, the number of semi-skilled workers in employment increased by 3.4 per cent to record 8.99 million persons. Similarly, the number of employed persons in the skilled categories edged up by 2.4 per cent registering 4.56 million persons but for low skilled categories, it fell by 3.7 per cent to mark 1.84 million persons in 2022 ***[Chart 4]****.*

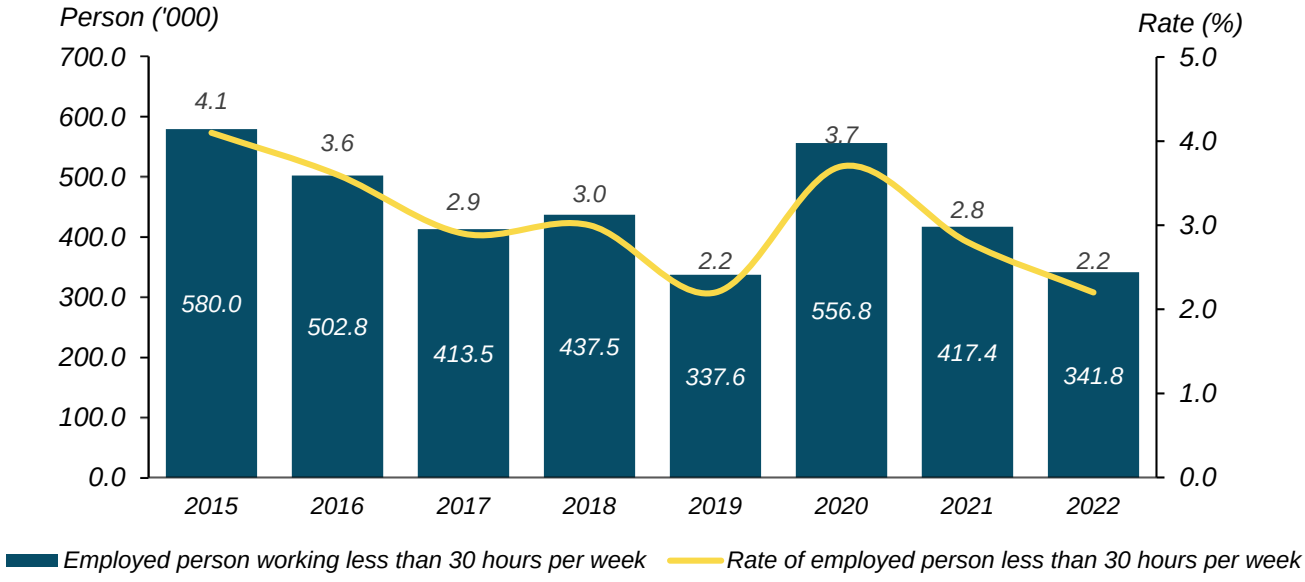
Chart 4: *Employed persons by skill level, Malaysia, 2021 and 2022*



Working less than 30 hours per week, time related underemployment and skill-related underemployment

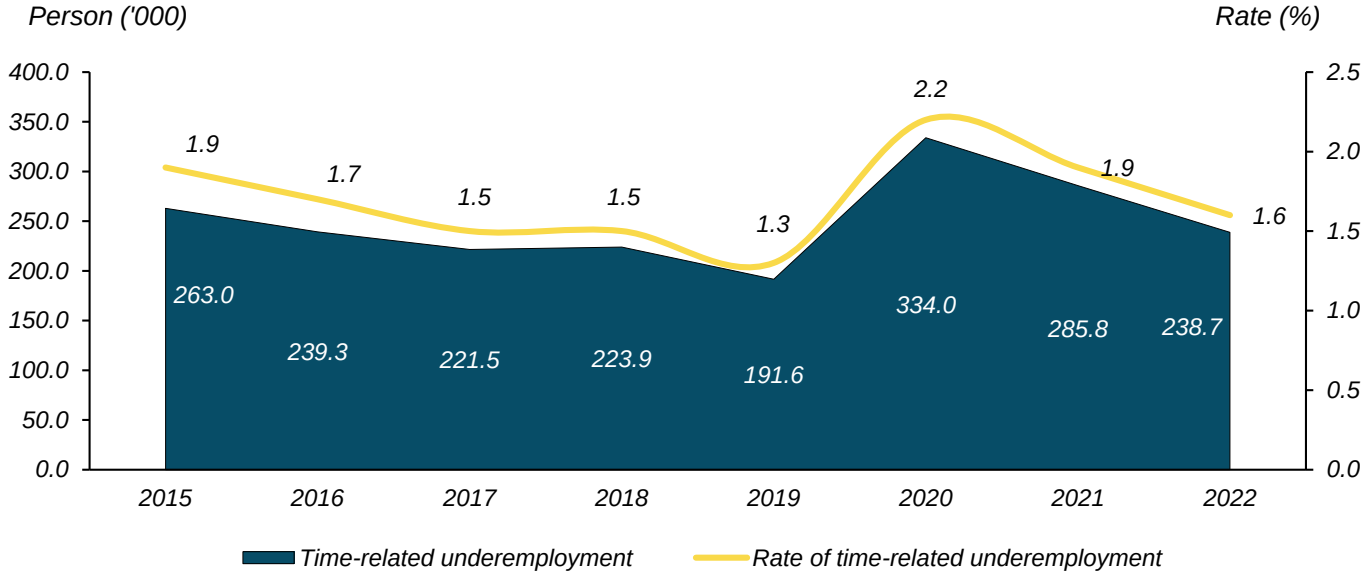
Employed person working less than 30 hours per week refers to those who worked less than 30 hours during the reference week because of the nature of their work or due to insufficient work. In 2022, Phase 4 of the NRP was implemented in every state, leads to improvement of economic performance. Thus, the number of employed persons working less than 30 hours a week is on a downward trend, falling by 18.1 per cent year-on-year (-75.6 thousand persons) to 341.8 thousand persons (2021: 417.4 thousand persons). The population working less than 30 hours a week comprises 2.2 per cent of the total employed persons, downed by 0.6 percentage points as compared to the preceding year (2021: 2.8%) ***[Chart 5]****.*

Chart 5: *Employed persons working less than 30 hours per week, Malaysia, 2015 - 2022*



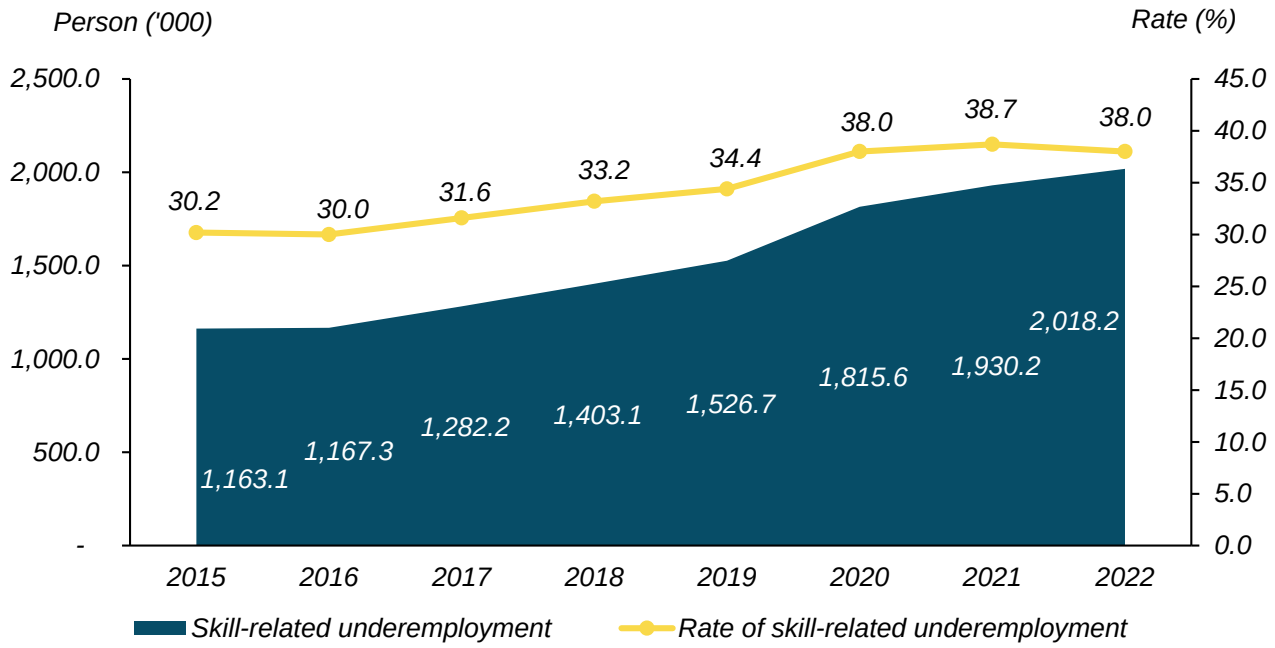
Subsequently, the rate of time-related underemployment recorded 1.6 per cent in 2022 which decreased by 0.3 percentage points (2021: 1.9%), reporting a reduction of 16.5 per cent (-47.1 thousand persons) to 238.7 thousand persons (2021: 285.8 thousand persons). Time-related underemployment is defined as those who were employed less than 30 hours per week due to the nature of their work or because of insufficient work and were able and willing to work additional hours of work ***[Chart 6]****.*

Chart 6: *Time-related underemployment, Malaysia, 2015 - 2022*



In general, overeducation job mismatch refers to a situation where a person had to accept a job that requires skills lower than his educational achievement. Therefore, it can be portrayed through the indicator of skill-related underemployment which measures those with tertiary education and working in the category of semi-skilled and low-skilled jobs. In 2022, skill-related underemployment shows an increase of 4.6 percent (+88.0 thousand persons) to 2.02 million persons (2021: 1.93 million persons). However, looking at the rate, it registered a decrease to 38.0 per cent as compared to 38.7 per cent in 2021 ***[Chart 7]****.*

Chart 7: *Skilled-related underemployment, Malaysia, 2015 - 2022*



As more social and commercial activities were allowed to operate with extended business hours including the authorization of inter-state travel and specific destination tourism activities reopened, the number of employed persons who were temporarily unemployed reported a decrease of 71.5 per cent or 218.8 thousand persons to 87.3 thousand persons in 2022 (2021: 306.1 thousand persons).

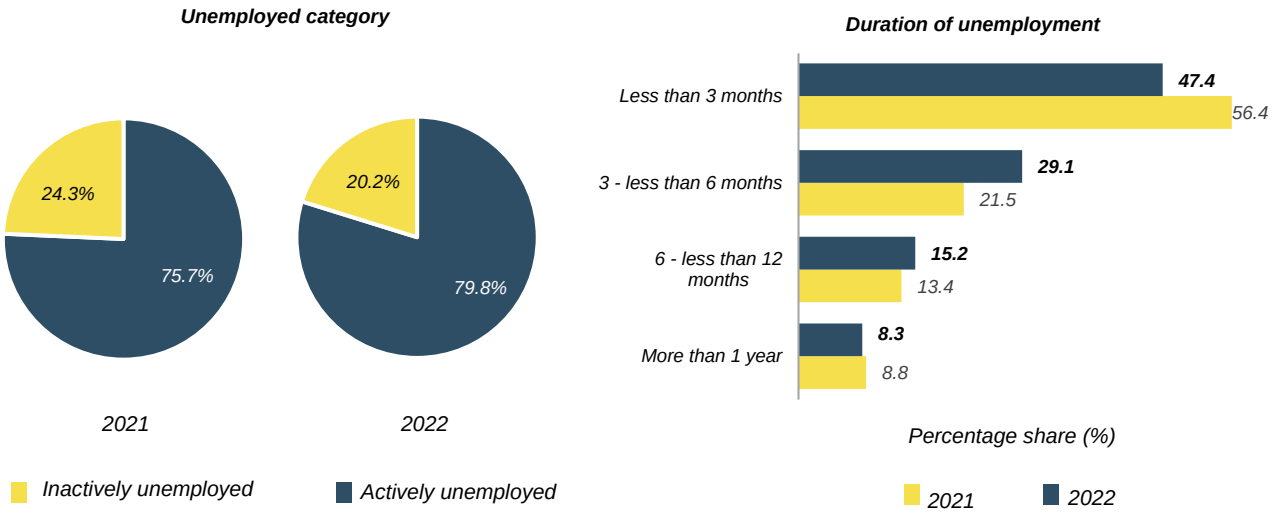
5. Unemployment

Unemployment rate in 2022 dropped to 3.9 per cent

In comparison to the previous year, the unemployment rate in 2022 registered a reduction of 0.7 percentage points to 3.9 per cent due to the improvement of the economy which is gradually recovering from the COVID-19 pandemic. In line with that, the number of unemployed decreased by 102.7 thousand persons to record 630.4 thousand unemployed persons (2021: 733.0 thousand persons).

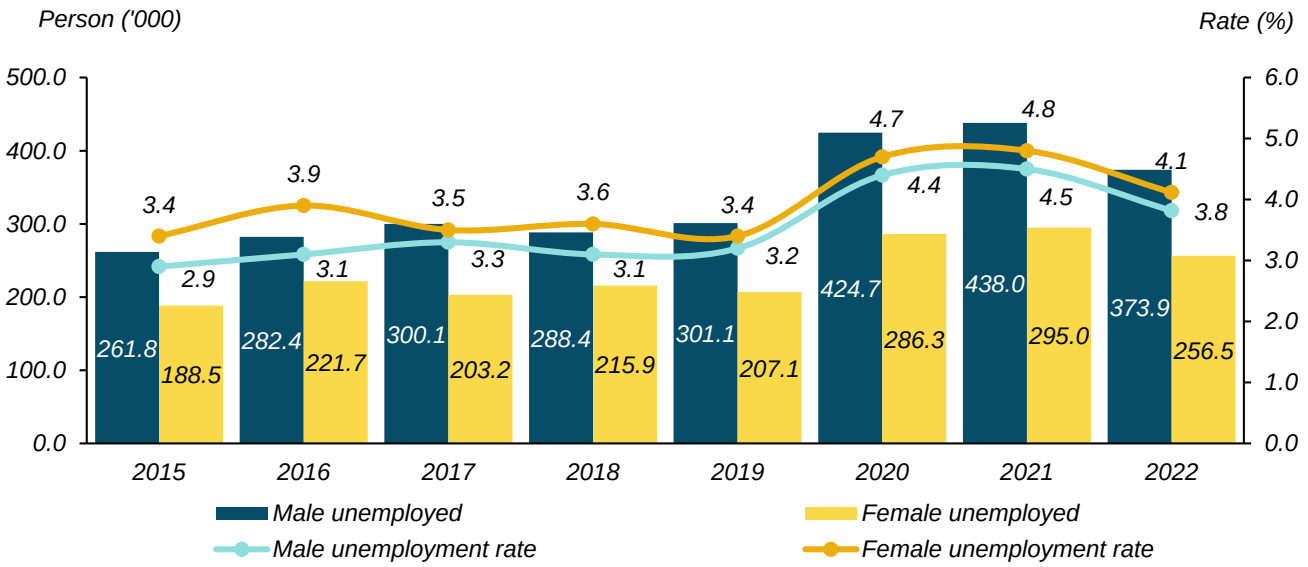
Based on the category of unemployed, the actively unemployed or those who are prepared to work and are actively looking for a job comprise 79.8 per cent of the total unemployed in that year. This group decreased by 9.3 per cent (-51.7 thousand persons) to 503.0 thousand persons (2021: 554.7 thousand persons). Among the actively unemployed, those who have been unemployed for less than three months accounted for 47.4 per cent, whereas those who were in long-term unemployment for more than a year was 8.3 per cent or equivalent 41.5 thousand persons. For those who believe that there's no jobs available or inactively unemployed or discouraged group descended to 127.4 thousand persons (-28.6%) during the year ***[Chart 8]****.*

Chart 8: *Unemployed category and duration of unemployment, Malaysia, 2021 and 2022*



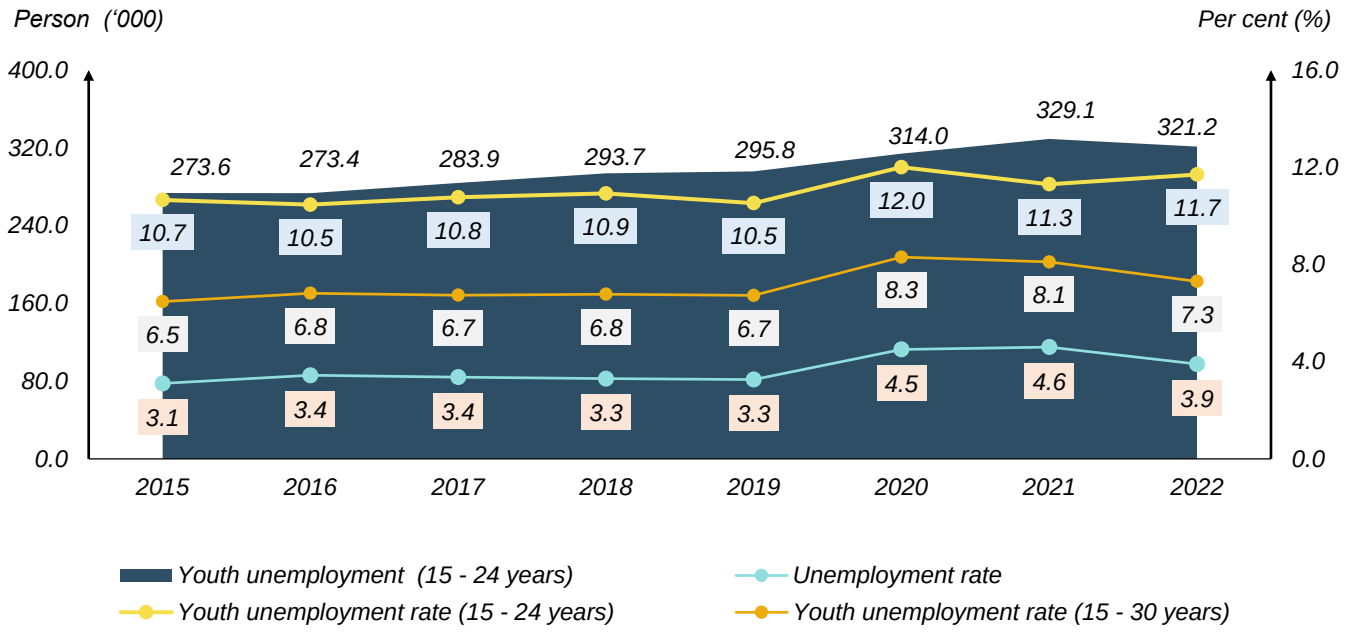
The unemployment rate for both male and female decreased by 0.7 percentage points to 3.8 per cent (2021: 4.5%) and 4.1 per cent (2021: 4.8%) respectively ***[Chart 9]****.*

Chart 9: *Unemployed and unemployment rate by sex, Malaysia, 2015 - 2022*



The unemployment rate for youth aged 15 to 24 years expanded by 0.4 percentage points to 11.7 per cent (2021: 11.3%), recording 321.2 thousand unemployed youths in 2022. On the contrary, the unemployment rate of youth aged 15 to 30 years reduced to 7.3 per cent (2021: 8.1%). Similarly, the unemployment rate for adult aged 25 to 64 years decreased by 0.8 percentage points to 2.3 per cent (2021: 3.1%) ***[Chart 10]****.*

Chart 10: *Unemployment rate by selected age groups, Malaysia, 2015 - 2022*



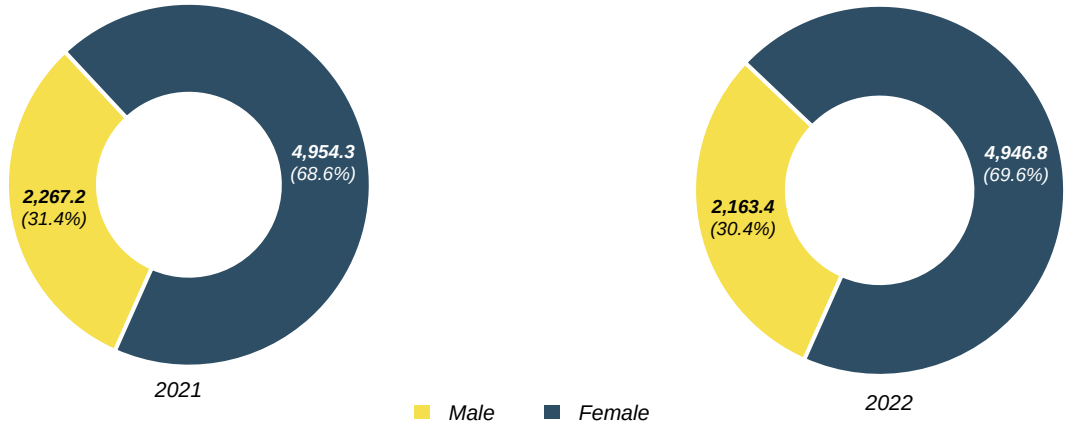
6. Outside Labour Force

The major composition of the outside labour force by sex is female

In 2022, the total population outside the labour force reached 7.11 million persons, decreased by 1.5 per cent or equivalent to 111.3 thousand persons (2021: 7.22 million persons). By sex, female represent 69.6 per cent of the population of outside labour force and male account for 30.4 per cent. The number of females outside the labour force decreased 0.2 per cent to 4.95 million persons (2021: 4.95 million persons), while males decreased by 4.6 per cent to 2.16 million persons (2021: 2.27 million persons) ***[Chart 11]****.*

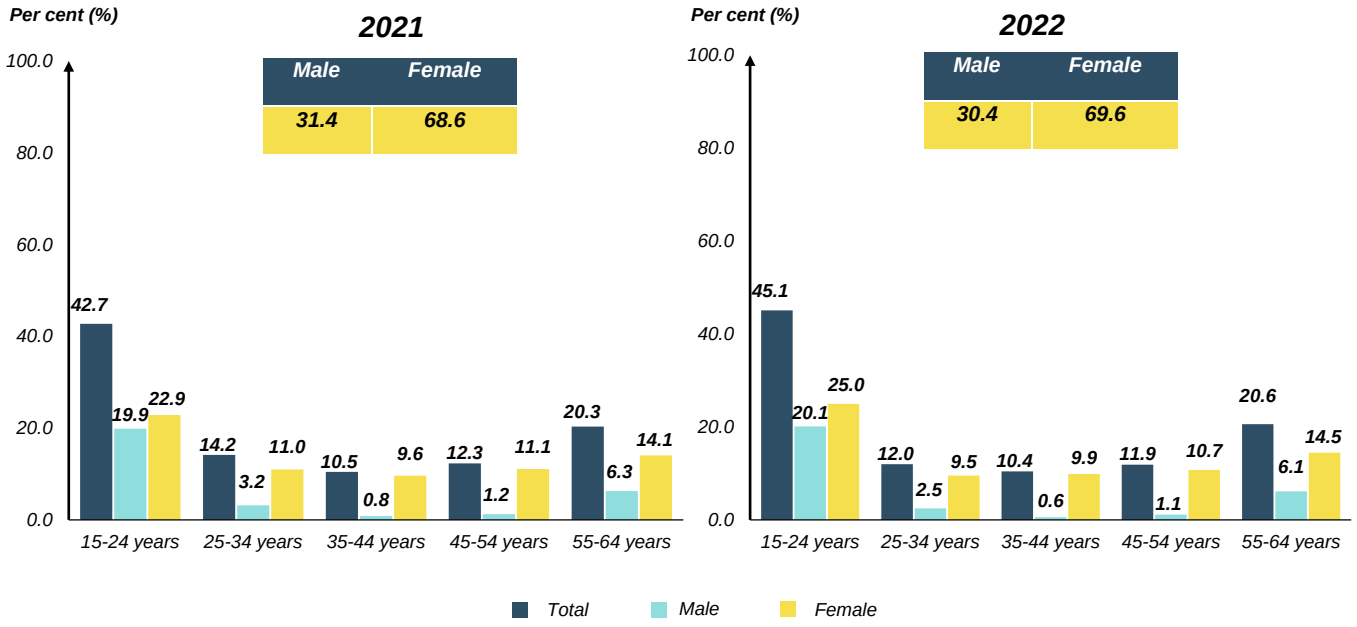
Chart 11: *Population of outside labour force by sex, Malaysia, 2021 and 2022*

('000)



During the year, population aged 15 to 24 years contribute the largest proportion of outside labour force stands at 45.1 per cent. The majority of this age group was contributed by female with 25.0 per cent while male accounted for 20.1 per cent ***[Chart 12]****.*

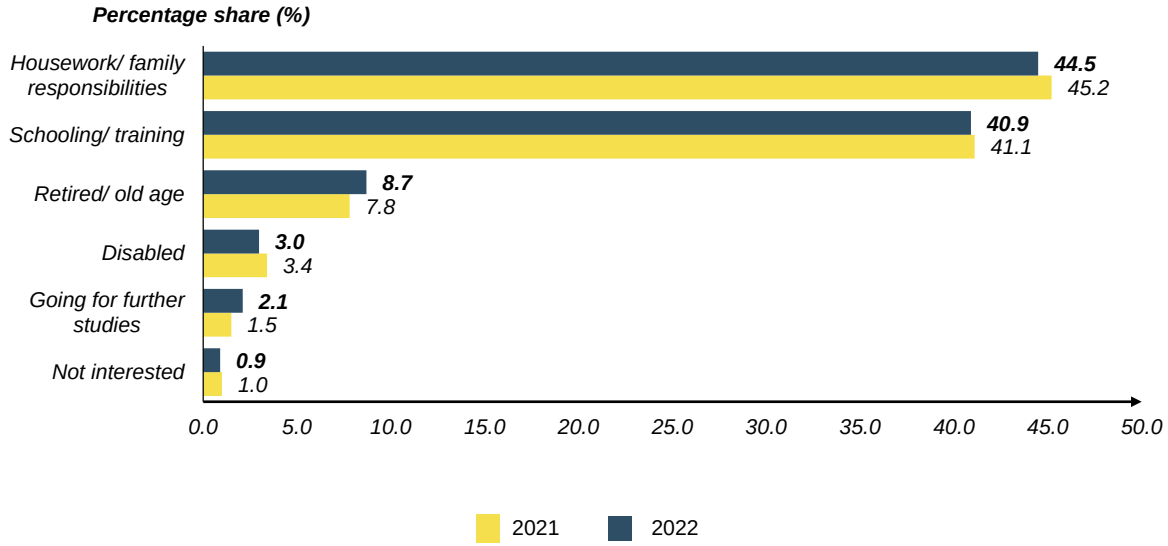
Chart 12: *Population of outside labour force by age group and sex, Malaysia, 2021 and 2022*



Housework/ family responsibilities were the main reasons of outside the labour force

Housework/ family responsibilities category was the main reason outside the labour force with a percentage contribution of 44.5 per cent as compared to 45.2 per cent in 2021. Schooling/ training ranked second with a contribution share of 40.9 per cent in 2022 ***[Chart 13]****.*

Chart 13: *Share of outside labour force by reasons for not seeking work, Malaysia, 2021 and 2022*

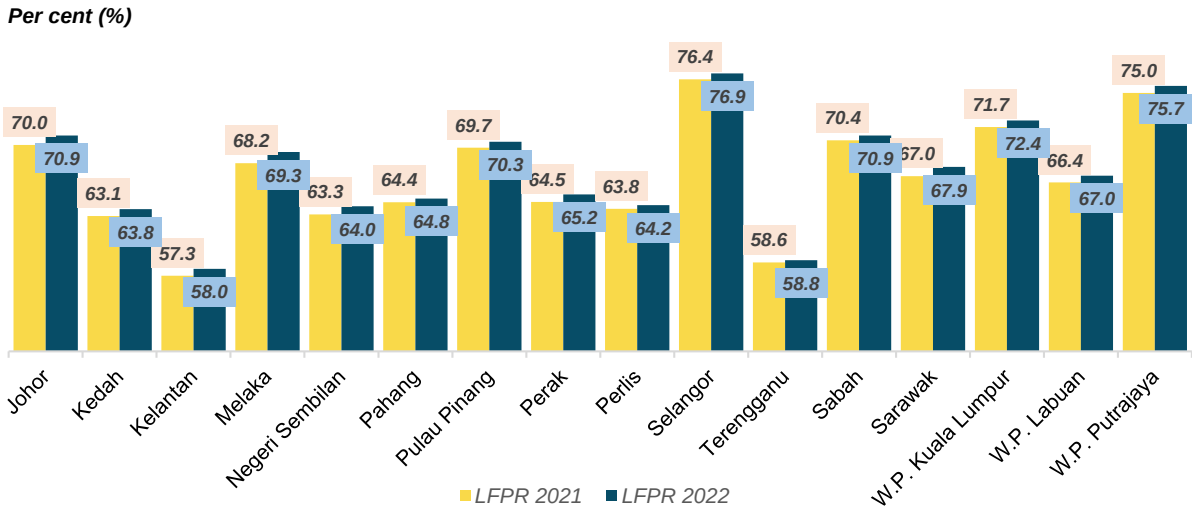


7. Selected Indicators by State

LFPR and unemployment rate by state

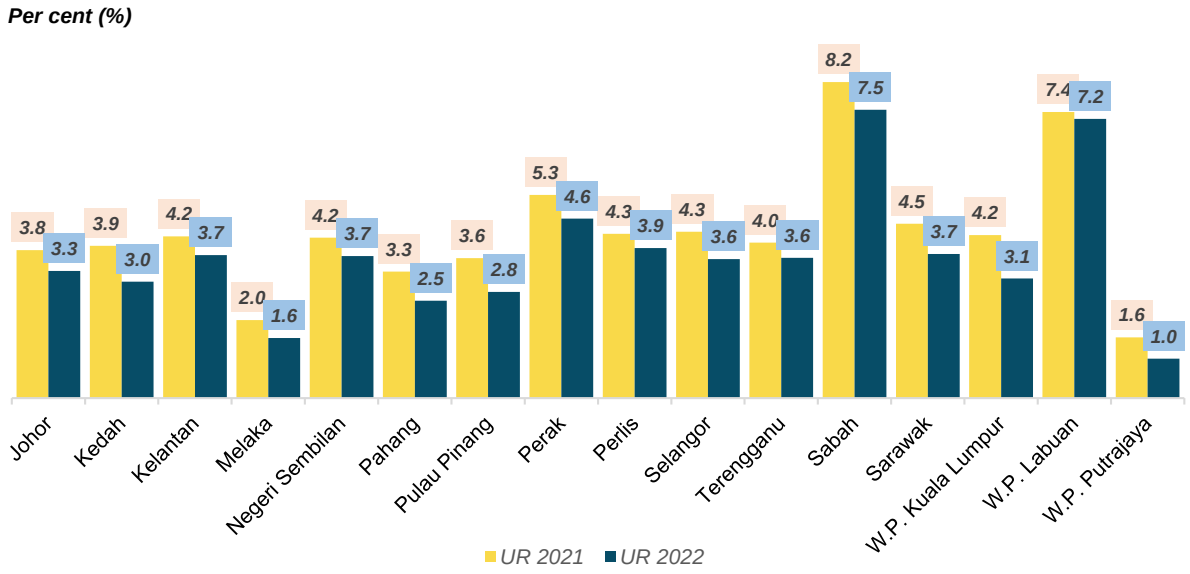
In terms of performance by states, the higher labour force participation rate indicates that more labour participation in the economy. In 2022, all states registered increases in LFPR with the highest LFPR recorded in Selangor at 76.9 per cent, followed by W.P. Putrajaya (75.7%), W.P. Kuala Lumpur (72.4%), Johor and Sabah (70.9%) ***[Chart 14]****.*

Chart 14: *Labour force participation rate by state, 2021 and 2022*



As for the unemployment rate by states, all states recorded a decrease in unemployment rate. During the year, W.P. Putrajaya posted the lowest unemployment rate with 1.0 per cent, followed by Melaka (1.6%) and Pahang (2.5%) ***[Chart 15]****.*

Chart 15: *Unemployment rate by state, 2021 and 2022*



8. Looking Ahead

In 2022, the Malaysian economy continue to recover, driven by external and domestic demand, albeit at a slower pace, as the year 2022 was shrouded in slower economic growth, especially for developed countries. The government has implemented various initiatives to increase employment opportunities and strengthen the labour market to support socio-economic growth. Phase 4 of the NRP was implemented in all states in early 2022, allowing businesses to operate with longer business hours and easing restrictions. This situation prompted the labour force to strengthen further in early of 2022 due to the continuity of all economic sectors and social activities, even with the surge in COVID-19 daily cases.

Despite that, the increased vaccination rate through the NIP has decreased the number of deaths. Additionally, due to the normalisation of economic activity and in line with the transition phase to endemic as well as the reopening of the international borders, supported by government policies to achieve sustainable economic growth, Malaysia's labour market recovery grew throughout the first half of 2022. Apart from that, the Malaysian economy was thought to benefit from the MYR devaluation compared to the US dollar since it made Malaysia a more preferred travel destination for international tourists and gave a good sign to boost Malaysia's tourism industry.

Towards the end of 2022, domestic and international tourism increased, leading to Malaysia's economic situation rebounding to pre-pandemic levels. Policy support was implemented to mitigate the impact of rising living costs and reduce negative risks. Furthermore, the continuous

recovery of the labour market and the increase in demand, particularly in the Services and Manufacturing sectors, fuelled business growth, resulting in higher employment and lower unemployment. Therefore, labour market performance remained steady in 2022, in line with the economy's expansion.

Looking ahead at the labour force situation in 2023, Malaysia's economic growth is projected to be modest in 2023. The increased number of tourist arrivals will continue to support the recovery in the tourism sub-sectors along with the improving market conditions, especially in the Services sector. As economic activities continue to expand in 2023, the labour market is expected to remain stable.

JADUAL STATISTIK: MALAYSIA

STATISTICAL TABLE: MALAYSIA

Jadual A1.1: **Kadar penyertaan tenaga buruh mengikut kumpulan umur, strata dan jantina, Malaysia, 2022**
Table A1.1: *Labour force participation rate by age group, strata and sex, Malaysia, 2022*

Kumpulan Umur *Age Group*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah (%) *Total*	**69.3**	**81.9**	**55.8**	**70.2**	**68.4**	**82.4**	**65.5**	**82.7**	**45.5**
15 - 19	70.9	89.1	50.4	71.0	88.9	51.4	70.6	89.7	46.0
20 - 24	63.8	79.1	48.0	64.8	77.4	51.8	60.6	84.2	35.9
25 - 29	58.0	72.2	43.4	61.2	70.8	51.6	53.8	74.1	32.4
30 - 34	69.3	80.5	58.1	69.5	80.1	59.0	63.0	93.1	30.8
35 - 39	64.0	77.9	49.2	64.7	77.8	50.8	61.5	78.7	42.7
40 - 44	64.8	79.4	48.2	65.3	79.6	49.9	63.8	78.9	44.8
45 - 49	70.3	83.7	56.7	70.6	84.1	57.0	61.7	75.4	45.8
50 - 54	65.2	78.7	51.1	65.7	77.2	54.4	63.0	84.3	34.1
55 - 59	64.2	80.5	48.2	65.2	78.1	52.9	61.7	85.7	36.2
60 - 64	76.9	83.5	69.9	77.2	84.5	69.4	71.3	61.7	81.6

Jadual A1.2: **Kadar penyertaan tenaga buruh mengikut kumpulan umur dan kumpulan etnik, Malaysia, 2022**
Table A1.2: Labour force participation rate by age group and ethnic group, Malaysia, 2022

Kumpulan Umur *Age Group*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah (%) *Total*	**69.3**	**67.8**	**67.1**	**69.2**	**69.1**	**64.4**	**83.5**
15 - 19	24.6	21.3	22.4	16.5	19.8	32.6	67.6
20 - 24	65.5	61.6	57.6	70.7	77.8	61.6	87.5
25 - 29	85.5	84.8	85.3	80.5	91.6	89.1	89.4
30 - 34	86.8	86.7	87.5	85.1	84.2	81.6	87.2
35 - 39	84.4	84.5	85.6	82.1	83.1	67.7	83.1
40 - 44	84.2	84.8	84.1	86.1	86.8	70.7	77.7
45 - 49	78.6	78.7	77.1	83.4	76.0	71.1	77.4
50 - 54	72.6	72.3	72.8	75.8	57.7	48.2	80.3
55 - 59	59.7	59.4	57.5	64.0	57.5	66.6	70.1
60 - 64	35.8	35.4	34.2	37.3	36.0	57.7	60.4

Jadual A1.3: **Kadar penyertaan tenaga buruh mengikut kumpulan umur, kumpulan etnik dan jantina, Malaysia, 2022**
Table A1.3: Labour force participation rate by age group, ethnic group and sex, Malaysia, 2022

Kumpulan Umur *Age Group*	Jumlah *Total*	Warganegara Malaysia *Malaysian citizens*					Bukan warganegara Malaysia *Non-Malaysian citizens*
		Jumlah *Total*	Bumiputera	Cina *Chinese*	India *Indians*	Lain-lain *Others*	
Lelaki (%) *Male*	**81.9**	**80.4**	**80.0**	**81.3**	**81.5**	**75.4**	**93.5**
15 - 19	28.9	24.9	25.5	21.1	25.8	40.6	75.6
20 - 24	76.1	73.2	72.2	72.0	85.0	89.8	90.0
25 - 29	92.6	92.1	92.1	90.8	95.7	99.7	94.5
30 - 34	96.8	96.6	97.5	95.0	93.8	92.1	97.7
35 - 39	98.2	98.2	98.7	98.4	96.0	63.9	98.3
40 - 44	98.4	98.3	98.1	99.4	97.0	90.7	99.4
45 - 49	96.8	96.7	97.1	98.3	90.0	63.2	98.2
50 - 54	93.7	93.4	95.2	95.9	70.4	69.8	98.6
55 - 59	84.7	84.5	84.9	82.8	87.5	94.2	90.9
60 - 64	54.0	53.6	52.5	53.0	65.6	51.7	86.0
Perempuan *Female*	**55.8**	**54.8**	**54.1**	**56.5**	**56.9**	**53.3**	**67.3**
15 - 19	20.0	17.5	19.2	11.6	13.7	22.8	56.7
20 - 24	53.8	49.5	42.4	69.4	70.2	32.3	83.7
25 - 29	77.5	77.2	78.3	69.5	87.6	78.6	80.0
30 - 34	75.9	76.8	77.6	74.9	74.5	69.0	67.2
35 - 39	69.8	70.8	72.6	65.6	69.9	70.6	58.0
40 - 44	69.1	70.8	69.9	71.8	76.7	49.7	45.7
45 - 49	59.9	60.5	57.4	67.4	62.2	77.5	47.0
50 - 54	52.1	52.1	51.5	55.6	46.2	33.1	53.7
55 - 59	34.4	34.2	30.6	43.8	29.7	42.0	41.8
60 - 64	15.9	15.5	14.3	19.1	8.6	63.8	38.1

Jadual A1.4: **Kadar penyertaan tenaga buruh mengikut kumpulan umur, kumpulan etnik dan strata, Malaysia, 2022**
Table A1.4: Labour force participation rate by age group, ethnic group and strata, Malaysia, 2022

Kumpulan Umur *Age Group*	Jumlah *Total*	Warganegara Malaysia *Malaysian citizens*					Bukan warganegara Malaysia *Non-Malaysian citizens*
		Jumlah *Total*	Bumiputera	Cina *Chinese*	India *Indians*	Lain-lain *Others*	
Bandar (%) *Urban*	**70.2**	**69.1**	**68.9**	**69.5**	**69.6**	**62.2**	**82.0**
15 - 19	23.5	20.8	22.4	16.0	19.9	26.7	67.6
20 - 24	64.7	61.5	56.5	70.5	78.2	49.9	85.4
25 - 29	87.4	87.4	89.0	81.1	92.2	92.0	87.3
30 - 34	89.2	89.4	91.5	85.6	85.1	81.8	87.1
35 - 39	86.0	86.5	88.5	82.8	83.6	72.7	80.7
40 - 44	85.8	86.6	86.5	86.6	88.8	60.8	74.2
45 - 49	79.3	79.6	78.1	83.6	75.8	70.0	74.4
50 - 54	73.2	72.9	73.7	76.4	57.2	38.5	80.4
55 - 59	59.3	59.1	56.3	64.1	57.4	54.3	67.9
60 - 64	32.7	32.2	28.1	36.8	36.2	54.1	63.9
Luar bandar *Rural*	**65.5**	**61.9**	**61.8**	**63.0**	**59.4**	**32.0**	**87.0**
15 - 19	28.5	23.0	22.5	26.7	17.7	46.8	67.4
20 - 24	68.3	62.2	60.9	75.4	70.9	83.2	93.1
25 - 29	78.3	73.5	73.7	68.9	77.8	73.0	94.3
30 - 34	76.5	74.1	74.2	75.2	66.8	80.1	87.3
35 - 39	76.8	74.4	75.2	66.9	71.0	52.5	88.3
40 - 44	76.4	74.8	75.2	74.4	54.9	92.7	85.9
45 - 49	75.5	74.5	74.1	78.9	79.5	73.5	83.9
50 - 54	70.3	69.7	70.1	63.4	67.2	38.6	79.9
55 - 59	61.3	60.8	60.4	62.2	59.2	17.8	79.2
60 - 64	46.1	46.1	46.5	44.2	31.6	1.3	43.4

Jadual A1.5: **Kadar penyertaan tenaga buruh mengikut pencapaian pendidikan, strata dan jantina, Malaysia, 2022**
Table A1.5: *Labour force participation rate by educational attainment, strata and sex, Malaysia, 2022*

Pencapaian pendidikan *Educational attainment*	**Jumlah** *Total*			**Bandar** *Urban*			**Luar Bandar** *Rural*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
Jumlah (%) *Total*	**69.3**	**81.9**	**55.8**	**70.2**	**81.7**	**58.2**	**65.5**	**82.7**	**45.5**
Tiada pendidikan rasmi *No formal education*	56.1	79.4	34.3	54.8	79.2	32.5	58.6	79.7	37.8
Rendah *Primary*	67.8	87.8	44.7	64.0	85.4	42.2	73.9	91.2	49.5
Menengah *Secondary*	67.5	80.8	52.1	68.1	80.3	54.4	64.9	82.6	42.4
Tertiari *Tertiary*	74.1	82.6	66.2	75.7	83.6	68.3	62.2	74.5	52.2

Jadual A1.6: **Kadar penyertaan tenaga buruh mengikut pencapaian pendidikan dan kumpulan etnik, Malaysia, 2022**
Table A1.6: Labour force participation rate by educational attainment and ethnic group, Malaysia, 2022

Pencapaian pendidikan *Educational attainment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah (%) *Total*	**69.3**	**67.8**	**67.1**	**69.2**	**69.1**	**64.4**	**83.5**
Tiada pendidikan rasmi *No formal education*	56.1	41.4	43.8	33.3	31.1	50.7	72.0
Rendah *Primary*	67.8	55.1	59.0	47.0	48.3	65.5	90.9
Menengah *Secondary*	67.5	66.0	65.6	66.6	67.6	67.1	86.9
Tertiari *Tertiary*	74.1	74.3	72.5	78.2	78.5	63.3	67.3

Jadual A1.7: **Kadar penyertaan tenaga buruh mengikut pencapaian pendidikan, kumpulan etnik dan jantina, Malaysia, 2022**
Table A1.7: *Labour force participation rate by educational attainment, ethnic group and sex, Malaysia, 2022*

Pencapaian pendidikan *Educational attainment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Lelaki (%) *Male*	**81.9**	**80.4**	**80.0**	**81.3**	**81.5**	**75.4**	**93.5**
Tiada pendidikan rasmi *No formal education*	79.4	60.0	62.7	47.3	55.0	80.6	96.6
Rendah *Primary*	87.8	80.7	84.6	70.7	77.9	87.2	97.5
Menengah *Secondary*	80.8	79.5	79.4	79.4	80.8	75.8	95.3
Tertiari *Tertiary*	82.6	83.0	81.4	86.7	84.5	71.0	73.8
Perempuan (%) *Female*	**55.8**	**54.8**	**54.1**	**56.5**	**56.9**	**53.3**	**67.3**
Tiada pendidikan rasmi *No formal education*	34.3	26.9	28.8	19.1	19.4	35.1	43.9
Rendah *Primary*	44.7	31.5	33.7	27.0	27.0	47.4	79.1
Menengah *Secondary*	52.1	50.8	49.7	53.0	53.4	58.6	73.2
Tertiari *Tertiary*	66.2	66.5	65.2	69.0	72.7	53.2	53.9

Jadual A1.8: **Kadar penyertaan tenaga buruh mengikut pencapaian pendidikan, kumpulan etnik dan strata, Malaysia, 2022**
Table A1.8: *Labour force participation rate by educational attainment, ethnic group and strata, Malaysia, 2022*

Pencapaian pendidikan *Educational attainment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Bandar (%) *Urban*	**70.2**	**69.1**	**68.9**	**69.5**	**69.6**	**62.2**	**82.0**
Tiada pendidikan rasmi *No formal education*	54.8	36.2	38.0	32.6	29.9	46.8	72.4
Rendah *Primary*	64.0	50.8	54.4	46.1	47.9	65.1	90.3
Menengah *Secondary*	68.1	66.9	66.8	66.7	68.0	64.1	86.3
Tertiari *Tertiary*	75.7	76.0	74.7	78.5	79.0	63.1	66.7
Luar Bandar (%) *Rural*	**65.5**	**61.9**	**61.8**	**63.0**	**59.4**	**70.9**	**87.0**
Tiada pendidikan rasmi *No formal education*	58.6	49.7	49.8	41.1	44.7	75.6	71.0
Rendah *Primary*	73.9	62.5	63.5	54.1	52.7	66.5	91.7
Menengah *Secondary*	64.9	62.6	62.3	64.7	61.9	73.6	88.7
Tertiari *Tertiary*	62.2	62.0	61.8	67.0	57.9	64.3	80.6

Jadual A1.9: **Kadar penyertaan tenaga buruh mengikut sijil tertinggi diperoleh, strata dan jantina, Malaysia, 2022**
Table A1.9: Labour force participation rate by highest certificate obtained, strata and sex, Malaysia, 2022

Sijil tertinggi diperoleh *Highest certificate obtained*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah (%) *Total*	**69.3**	**81.9**	**55.8**	**70.2**	**81.7**	**58.2**	**65.5**	**82.7**	**45.5**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	57.3	73.2	38.0	52.8	67.5	36.5	66.4	83.7	41.5
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	45.8	59.3	29.9	43.6	55.7	29.9	52.2	68.9	29.9
SPM atau yang setaraf *SPM or equivalent*	72.3	86.2	57.1	73.2	86.0	59.5	68.2	87.0	45.7
STPM atau yang setaraf *STPM or equivalent*	48.7	66.0	37.6	47.6	64.8	36.8	54.5	72.3	42.2
Sijil *Certificate*	86.3	91.5	75.0	87.2	91.5	77.9	81.4	91.6	59.2
Diploma	83.8	90.5	77.3	85.4	91.3	79.6	72.1	83.9	61.8
Ijazah *Degree*	89.9	94.5	85.5	90.8	94.8	86.8	80.5	90.3	73.5
Tiada sijil *No certificate*	68.0	86.7	47.2	64.7	84.8	44.3	73.0	89.5	52.1
Tidak berkenaan *Not applicable*	56.1	79.5	34.2	54.9	79.4	32.5	58.5	79.7	37.6

Jadual A1.10: **Kadar penyertaan tenaga buruh mengikut sijil tertinggi diperoleh dan kumpulan etnik, Malaysia, 2022**
Table A1.10: *Labour force participation rate by highest certificate obtained and ethnic group, Malaysia, 2022*

Sijil tertinggi diperoleh *Highest certificate obtained*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah (%) *Total*	**69.3**	**67.8**	**67.1**	**69.2**	**69.1**	**64.4**	**83.5**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	57.3	47.5	48.8	45.2	44.9	49.5	90.2
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	45.8	40.7	39.7	41.8	45.4	48.3	87.4
SPM atau yang setaraf *SPM or equivalent*	72.3	71.7	70.7	73.3	75.7	81.2	82.7
STPM atau yang setaraf *STPM or equivalent*	48.7	47.5	50.1	43.4	44.3	25.8	77.7
Sijil *Certificate*	86.3	86.2	85.6	87.6	89.7	94.7	90.2
Diploma	83.8	84.5	81.8	91.3	89.4	90.8	62.6
Ijazah *Degree*	89.9	90.3	89.0	92.5	92.2	91.3	79.3
Tiada sijil *No certificate*	68.0	51.2	55.5	41.6	43.1	59.2	90.1
Tidak berkenaan *Not applicable*	56.1	41.4	43.7	33.7	31.1	50.7	0.0

Jadual A1.11: **Kadar penyertaan tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan jantina, Malaysia, 2022**
Table A1.11: Labour force participation rate by highest certificate obtained, ethnic group and sex, Malaysia, 2022

Lelaki/*Male*

Sijil tertinggi diperoleh *Highest certificate obtained*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah (%) *Total*	**81.9**	**80.4**	**80.0**	**81.3**	**81.5**	**75.4**	**91.2**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	73.2	64.5	64.6	64.9	61.4	73.8	97.0
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	59.3	54.1	52.6	56.2	60.0	61.9	93.3
SPM atau yang setaraf *SPM or equivalent*	86.2	85.9	86.0	85.0	88.8	84.7	89.8
STPM atau yang setaraf *STPM or equivalent*	66.0	64.5	64.6	71.7	47.7	31.4	90.1
Sijil *Certificate*	91.5	91.4	91.6	90.5	90.0	100.0	95.4
Diploma	90.5	91.4	89.8	95.1	93.1	94.0	68.9
Ijazah *Degree*	94.5	94.6	93.8	95.5	96.5	91.4	92.3
Tiada sijil *No certificate*	86.7	75.5	79.9	61.3	74.3	87.3	97.9
Tidak berkenaan *Not applicable*	79.5	60.2	62.8	48.1	55.0	80.6	96.5

Jadual A1.11: **Kadar penyertaan tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan jantina, Malaysia, 2022 (samb.)**
Table A1.11: *Labour force participation rate by highest certificate obtained, ethnic group and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*

Sijil tertinggi diperoleh *Highest certificate obtained*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah (%) *Total*	**55.8**	**54.8**	**54.1**	**56.5**	**56.9**	**53.3**	**67.3**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	38.0	29.2	31.1	24.2	29.7	34.8	77.9
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	29.9	25.9	25.3	25.9	30.5	27.7	76.0
SPM atau yang setaraf *SPM or equivalent*	57.1	56.4	53.9	61.8	62.1	78.0	71.3
STPM atau yang setaraf *STPM or equivalent*	37.6	36.9	40.9	27.1	42.3	21.1	60.8
Sijil *Certificate*	75.0	75.2	71.7	81.6	89.4	92.5	61.2
Diploma	77.3	77.9	75.0	86.4	85.6	80.6	49.2
Ijazah *Degree*	85.5	86.2	85.2	88.6	87.0	91.3	54.4
Tiada sijil *No certificate*	47.2	30.4	33.1	25.8	24.6	28.1	77.9
Tidak berkenaan *Not applicable*	34.2	26.8	28.7	19.1	19.4	35.1	43.9

Jadual A1.12: **Kadar penyertaan tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan strata, Malaysia, 2022**
Table A1.12: Labour force participation rate by highest certificate obtained, ethnic group and strata, Malaysia, 2022

Bandar/*Urban*

Sijil tertinggi diperoleh *Highest certificate obtained*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah (%) *Total*	**70.2**	**69.1**	**68.9**	**69.5**	**69.6**	**62.2**	**82.0**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	52.8	43.9	43.5	44.5	44.1	45.6	89.1
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	43.6	39.1	37.0	41.2	45.2	41.6	86.4
SPM atau yang setaraf *SPM or equivalent*	73.2	72.7	72.0	73.5	76.2	82.0	81.0
STPM atau yang setaraf *STPM or equivalent*	47.6	46.3	49.1	43.0	44.0	20.6	77.0
Sijil *Certificate*	87.2	87.2	86.6	87.9	90.5	100.0	89.0
Diploma	85.4	86.2	83.7	91.7	90.1	93.5	62.1
Ijazah *Degree*	90.8	91.2	90.2	92.8	92.9	92.4	79.0
Tiada sijil *No certificate*	64.7	45.1	48.6	39.4	43.4	63.3	91.0
Tidak berkenaan *Not applicable*	54.9	36.2	37.8	32.9	29.9	46.8	72.4

Jadual A1.12: **Kadar penyertaan tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan strata, Malaysia, 2022 (samb.)**
Table A1.12: *Labour force participation rate by highest certificate obtained, ethnic group and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*

Sijil tertinggi diperoleh *Highest certificate obtained*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah (%) *Total*	**65.5**	**61.9**	**61.8**	**63.0**	**59.4**	**70.9**	**94.0**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	66.4	55.8	56.3	51.7	54.3	58.2	91.6
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	52.2	45.8	45.2	48.8	48.3	66.1	89.5
SPM atau yang setaraf *SPM or equivalent*	68.2	66.9	66.5	70.8	67.1	79.6	99.2
STPM atau yang setaraf *STPM or equivalent*	54.5	53.7	53.4	61.1	59.5	50.6	84.7
Sijil *Certificate*	81.4	81.0	81.5	68.3	53.4	82.4	100.0
Diploma	72.1	72.0	71.8	78.4	64.4	73.9	79.2
Ijazah *Degree*	80.5	80.5	81.1	75.5	65.9	86.4	87.4
Tiada sijil *No certificate*	73.0	60.7	61.7	57.0	40.4	44.9	88.8
Tidak berkenaan *Not applicable*	58.5	49.7	49.7	41.1	44.7	75.6	70.9

Jadual A2.1: **Tenaga buruh mengikut kumpulan umur, strata dan jantina, Malaysia, 2022**
Table A2.1: *Labour force by age group, strata and sex, Malaysia, 2022*

Kumpulan umur *Age group*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah ('000) *Total*	**16,022.1**	**9,779.3**	**6,242.7**	**13,033.6**	**7,745.3**	**5,288.3**	**2,988.5**	**2,034.0**	**954.5**
15 - 19	694.1	422.2	271.9	517.2	321.3	195.9	176.9	100.9	76.0
20 - 24	2,043.2	1,246.0	797.2	1,603.1	958.0	645.1	440.0	288.0	152.1
25 - 29	2,755.9	1,580.0	1,175.9	2,231.1	1,222.5	1,008.6	524.7	357.5	167.2
30 - 34	2,526.3	1,464.6	1,061.7	2,103.1	1,169.7	933.4	423.2	294.9	128.3
35 - 39	2,220.9	1,323.7	897.3	1,861.7	1,074.4	787.3	359.2	249.3	110.0
40 - 44	1,761.5	1,059.8	701.7	1,491.3	874.2	617.1	270.2	185.6	84.7
45 - 49	1,425.7	889.9	535.8	1,176.2	722.8	453.3	249.5	167.1	82.5
50 - 54	1,212.4	771.5	440.8	990.8	625.0	365.9	221.5	146.6	74.9
55 - 59	904.9	645.7	259.3	723.8	518.7	205.1	181.1	127.0	54.1
60 - 64	477.2	375.9	101.2	335.1	258.7	76.4	142.0	117.2	24.8
Jumlah (%) Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
15 - 19	4.3	4.3	4.4	4.0	4.1	3.7	5.9	5.0	8.0
20 - 24	12.8	12.7	12.8	12.3	12.4	12.2	14.7	14.2	15.9
25 - 29	17.2	16.2	18.8	17.1	15.8	19.1	17.6	17.6	17.5
30 - 34	15.8	15.0	17.0	16.1	15.1	17.7	14.2	14.5	13.4
35 - 39	13.9	13.5	14.4	14.3	13.9	14.9	12.0	12.3	11.5
40 - 44	11.0	10.8	11.2	11.4	11.3	11.7	9.0	9.1	8.9
45 - 49	8.9	9.1	8.6	9.0	9.3	8.6	8.3	8.2	8.6
50 - 54	7.6	7.9	7.1	7.6	8.1	6.9	7.4	7.2	7.9
55 - 59	5.6	6.6	4.2	5.6	6.7	3.9	6.1	6.2	5.7
60 - 64	3.0	3.8	1.6	2.6	3.3	1.4	4.8	5.8	2.6

Jadual A2.2: **Tenaga buruh mengikut kumpulan umur dan kumpulan etnik, Malaysia, 2022**
Table A2.2: *Labour force by age group and ethnic group, Malaysia, 2022*

Kumpulan umur *Age group*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**16,022.1**	**14,170.4**	**9,635.7**	**3,374.3**	**1,059.0**	**101.4**	**1,851.7**
15 - 19	694.1	557.1	434.2	80.0	33.4	9.5	137.0
20 - 24	2,043.2	1,635.9	1,111.6	370.1	140.9	13.3	407.3
25 - 29	2,755.9	2,283.3	1,655.8	441.6	165.7	20.3	472.6
30 - 34	2,526.3	2,219.4	1,584.4	462.7	153.6	18.7	306.9
35 - 39	2,220.9	2,005.7	1,398.3	444.4	151.6	11.3	215.3
40 - 44	1,761.5	1,628.8	1,064.3	422.5	133.6	8.5	132.7
45 - 49	1,425.7	1,344.2	849.0	387.2	101.4	6.6	81.5
50 - 54	1,212.4	1,156.8	736.5	343.7	72.6	4.0	55.5
55 - 59	904.9	874.8	526.7	274.1	69.1	4.9	30.1
60 - 64	477.2	464.4	275.0	148.0	37.0	4.4	12.7
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
15 - 19	4.3	3.9	4.5	2.4	3.2	9.3	7.4
20 - 24	12.8	11.5	11.5	11.0	13.3	13.1	22.0
25 - 29	17.2	16.1	17.2	13.1	15.6	20.0	25.5
30 - 34	15.8	15.7	16.4	13.7	14.5	18.4	16.6
35 - 39	13.9	14.2	14.5	13.2	14.3	11.2	11.6
40 - 44	11.0	11.5	11.0	12.5	12.6	8.4	7.2
45 - 49	8.9	9.5	8.8	11.5	9.6	6.5	4.4
50 - 54	7.6	8.2	7.6	10.2	6.9	3.9	3.0
55 - 59	5.6	6.2	5.5	8.1	6.5	4.8	1.6
60 - 64	3.0	3.3	2.9	4.4	3.5	4.4	0.7

Jadual A2.3: **Tenaga buruh mengikut kumpulan umur, kumpulan etnik dan jantina, Malaysia, 2022**
Table A2.3: *Labour force by age group, ethnic group and sex, Malaysia, 2022*

Lelaki/*Male*

Kumpulan umur *Age group*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**9,779.3**	**8,497.7**	**5,781.7**	**2,035.8**	**620.5**	**59.7**	**1,281.7**
15 - 19	422.2	334.2	253.1	52.8	21.8	6.5	88.0
20 - 24	1,246.0	993.8	711.6	193.3	79.1	9.8	252.2
25 - 29	1,580.0	1,256.1	902.7	256.0	86.1	11.3	323.9
30 - 34	1,464.6	1,239.4	879.9	262.0	86.0	11.5	225.2
35 - 39	1,323.7	1,165.2	803.7	268.3	88.4	4.7	158.5
40 - 44	1,059.8	958.7	626.1	252.4	74.6	5.6	101.1
45 - 49	889.9	828.5	530.2	236.2	59.5	2.6	61.4
50 - 54	771.5	731.2	468.8	217.9	42.0	2.4	40.4
55 - 59	645.7	623.1	385.4	183.9	50.5	3.3	22.5
60 - 64	375.9	367.5	220.2	112.9	32.4	2.0	8.4
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
15 - 19	4.3	3.9	4.4	2.6	3.5	10.9	6.9
20 - 24	12.7	11.7	12.3	9.5	12.7	16.5	19.7
25 - 29	16.2	14.8	15.6	12.6	13.9	18.9	25.3
30 - 34	15.0	14.6	15.2	12.9	13.9	19.2	17.6
35 - 39	13.5	13.7	13.9	13.2	14.3	7.9	12.4
40 - 44	10.8	11.3	10.8	12.4	12.0	9.3	7.9
45 - 49	9.1	9.7	9.2	11.6	9.6	4.4	4.8
50 - 54	7.9	8.6	8.1	10.7	6.8	4.0	3.1
55 - 59	6.6	7.3	6.7	9.0	8.1	5.5	1.8
60 - 64	3.8	4.3	3.8	5.5	5.2	3.3	0.7

Jadual A2.3: **Tenaga buruh mengikut kumpulan umur, kumpulan etnik dan jantina, Malaysia, 2022 (samb.)**
Table A2.3: *Labour force by age group, ethnic group and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*

Kumpulan umur *Age group*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**6,242.7**	**5,672.7**	**3,854.0**	**1,338.6**	**438.4**	**41.7**	**570.0**
15 - 19	271.9	222.9	181.1	27.2	11.6	3.0	49.0
20 - 24	797.2	642.1	399.9	176.9	61.9	3.4	155.1
25 - 29	1,175.9	1,027.2	753.0	185.6	79.6	9.0	148.7
30 - 34	1,061.7	980.0	704.5	200.7	67.7	7.2	81.7
35 - 39	897.3	840.5	594.6	176.1	63.2	6.6	56.8
40 - 44	701.7	670.1	438.2	170.1	58.9	2.9	31.6
45 - 49	535.8	515.7	318.9	150.9	41.9	4.0	20.1
50 - 54	440.8	425.6	267.7	125.7	30.6	1.6	15.2
55 - 59	259.3	251.7	141.3	90.2	18.6	1.6	7.6
60 - 64	101.2	96.9	54.8	35.1	4.6	2.4	4.3
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
15 - 19	4.4	3.9	4.7	2.0	2.6	7.1	8.6
20 - 24	12.8	11.3	10.4	13.2	14.1	8.2	27.2
25 - 29	18.8	18.1	19.5	13.9	18.2	21.5	26.1
30 - 34	17.0	17.3	18.3	15.0	15.4	17.2	14.3
35 - 39	14.4	14.8	15.4	13.2	14.4	15.8	10.0
40 - 44	11.2	11.8	11.4	12.7	13.4	6.9	5.5
45 - 49	8.6	9.1	8.3	11.3	9.6	9.5	3.5
50 - 54	7.1	7.5	6.9	9.4	7.0	3.9	2.7
55 - 59	4.2	4.4	3.7	6.7	4.2	3.9	1.3
60 - 64	1.6	1.7	1.4	2.6	1.0	5.8	0.8

Jadual A2.4: **Tenaga buruh mengikut kumpulan umur, kumpulan etnik dan strata, Malaysia, 2022**
Table A2.4: *Labour force by age group, ethnic group and strata, Malaysia, 2022*

Bandar/*Urban*							
Kumpulan umur *Age group*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**13,033.6**	**11,750.5**	**7,441.5**	**3,222.4**	**1,013.3**	**73.3**	**1,283.1**
15 - 19	517.2	431.8	321.4	73.2	31.8	5.5	85.4
20 - 24	1,603.1	1,314.4	822.6	351.3	133.5	7.0	288.7
25 - 29	2,231.1	1,904.2	1,303.5	422.8	160.2	17.7	326.9
30 - 34	2,103.1	1,880.9	1,275.3	442.0	147.2	16.4	222.2
35 - 39	1,861.7	1,719.0	1,134.5	429.5	145.8	9.2	142.7
40 - 44	1,491.3	1,402.8	861.7	407.4	128.7	5.0	88.6
45 - 49	1,176.2	1,122.6	650.6	370.6	97.0	4.4	53.6
50 - 54	990.8	950.4	550.0	329.2	68.7	2.5	40.4
55 - 59	723.8	700.4	371.8	261.0	65.1	2.5	23.5
60 - 64	335.1	324.0	150.1	135.3	35.3	3.2	11.1
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
15 - 19	4.0	3.7	4.3	2.3	3.1	7.4	6.7
20 - 24	12.3	11.2	11.1	10.9	13.2	9.5	22.5
25 - 29	17.1	16.2	17.5	13.1	15.8	24.2	25.5
30 - 34	16.1	16.0	17.1	13.7	14.5	22.4	17.3
35 - 39	14.3	14.6	15.2	13.3	14.4	12.5	11.1
40 - 44	11.4	11.9	11.6	12.6	12.7	6.8	6.9
45 - 49	9.0	9.6	8.7	11.5	9.6	6.0	4.2
50 - 54	7.6	8.1	7.4	10.2	6.8	3.4	3.1
55 - 59	5.6	6.0	5.0	8.1	6.4	3.4	1.8
60 - 64	2.6	2.8	2.0	4.2	3.5	4.4	0.9

Jadual A2.4: **Tenaga buruh mengikut kumpulan umur, kumpulan etnik dan strata, Malaysia, 2022 (samb.)**
Table A2.4: *Labour force by age group, ethnic group and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*

Kumpulan umur *Age group*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**2,988.5**	**2,419.9**	**2,194.2**	**151.9**	**45.6**	**28.1**	**568.6**
15 - 19	176.9	125.3	112.9	6.8	1.6	4.0	51.7
20 - 24	440.0	321.5	289.0	18.8	7.4	6.3	118.6
25 - 29	524.7	379.1	352.2	18.8	5.5	2.6	145.7
30 - 34	423.2	338.5	309.1	20.6	6.5	2.3	84.7
35 - 39	359.2	286.7	263.8	14.9	5.8	2.2	72.5
40 - 44	270.2	226.1	202.6	15.1	4.9	3.5	44.1
45 - 49	249.5	221.6	198.4	16.6	4.4	2.2	27.9
50 - 54	221.5	206.4	186.5	14.5	3.9	1.5	15.2
55 - 59	181.1	174.4	154.9	13.1	4.0	2.4	6.7
60 - 64	142.0	140.5	124.8	12.7	1.7	1.2	1.6
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
15 - 19	5.9	5.2	5.1	4.5	3.5	14.2	9.1
20 - 24	14.7	13.3	13.2	12.4	16.3	22.3	20.9
25 - 29	17.6	15.7	16.1	12.4	12.0	9.1	25.6
30 - 34	14.2	14.0	14.1	13.6	14.2	8.1	14.9
35 - 39	12.0	11.8	12.0	9.8	12.7	7.8	12.8
40 - 44	9.0	9.3	9.2	10.0	10.6	12.3	7.8
45 - 49	8.3	9.2	9.0	10.9	9.6	8.0	4.9
50 - 54	7.4	8.5	8.5	9.5	8.6	5.3	2.7
55 - 59	6.1	7.2	7.1	8.6	8.7	8.6	1.2
60 - 64	4.8	5.8	5.7	8.3	3.8	4.4	0.3

Jadual A2.5: **Tenaga buruh mengikut pencapaian pendidikan, strata dan jantina, Malaysia, 2022**
Table A2.5: *Labour force by educational attainment, strata and sex, Malaysia, 2022*

Pencapaian pendidikan *Educational attainment*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah ('000) *Total*	**16,022.1**	**9,779.3**	**6,242.7**	**13,033.6**	**7,745.3**	**5,288.3**	**2,988.5**	**2,034.0**	**954.5**
Tiada pendidikan rasmi *No formal education*	416.3	285.1	131.2	267.3	184.7	82.7	149.0	100.5	48.5
Rendah *Primary*	1,329.7	923.4	406.2	766.9	516.9	250.1	562.7	406.6	156.2
Menengah *Secondary*	8,755.9	5,618.3	3,137.5	7,038.7	4,393.6	2,645.1	1,717.1	1,224.7	492.4
Tertiari *Tertiary*	5,520.2	2,952.4	2,567.8	4,960.6	2,650.2	2,310.4	559.7	302.3	257.4
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Tiada pendidikan rasmi *No formal education*	2.6	2.9	2.1	2.1	2.4	1.6	5.0	4.9	5.1
Rendah *Primary*	8.3	9.4	6.5	5.9	6.7	4.7	18.8	20.0	16.4
Menengah *Secondary*	54.6	57.5	50.3	54.0	56.7	50.0	57.5	60.2	51.6
Tertiari *Tertiary*	34.5	30.2	41.1	38.1	34.2	43.7	18.7	14.9	27.0

Jadual A2.6: **Tenaga buruh mengikut pencapaian pendidikan dan kumpulan etnik, Malaysia, 2022**
Table A2.6: *Labour force by educational attainment and ethnic group, Malaysia, 2022*

Pencapaian pendidikan *Educational attainment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**16,022.1**	**14,170.4**	**9,635.7**	**3,374.3**	**1,059.0**	**101.4**	**1,851.7**
Tiada pendidikan rasmi *No formal education*	416.3	159.5	123.8	19.5	9.5	6.7	256.8
Rendah *Primary*	1,329.7	695.4	479.2	150.9	55.0	10.3	634.3
Menengah *Secondary*	8,755.9	7,968.9	5,530.7	1,798.0	587.7	52.6	787.0
Tertiari *Tertiary*	5,520.2	5,346.6	3,502.0	1,405.9	406.8	31.8	173.7
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Tiada pendidikan rasmi *No formal education*	2.6	1.1	1.3	0.6	0.9	6.6	13.9
Rendah *Primary*	8.3	4.9	5.0	4.5	5.2	10.2	34.3
Menengah *Secondary*	54.6	56.2	57.4	53.3	55.5	51.9	42.5
Tertiari *Tertiary*	34.5	37.7	36.3	41.7	38.4	31.4	9.4

Jadual A2.7: **Tenaga buruh mengikut pencapaian pendidikan, kumpulan etnik dan jantina, Malaysia, 2022**
Table A2.7: *Labour force by educational attainment, ethnic group and sex, Malaysia, 2022*

Lelaki/*Male*

Pencapaian pendidikan *Educational attainment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**9,779.3**	**8,497.7**	**5,781.7**	**2,035.8**	**620.5**	**59.7**	**1,281.7**
Tiada pendidikan rasmi *No formal education*	285.1	101.4	78.3	14.0	5.5	3.6	183.7
Rendah *Primary*	923.4	488.9	341.5	104.0	37.1	6.2	434.5
Menengah *Secondary*	5,618.3	5,083.4	3,584.1	1,106.1	363.7	29.6	534.9
Tertiari *Tertiary*	2,952.4	2,823.9	1,777.9	811.6	214.2	20.2	128.6
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Tiada pendidikan rasmi *No formal education*	2.9	1.2	1.4	0.7	0.9	6.1	14.3
Rendah *Primary*	9.4	5.8	5.9	5.1	6.0	10.5	33.9
Menengah *Secondary*	57.5	59.8	62.0	54.3	58.6	49.6	41.7
Tertiari *Tertiary*	30.2	33.2	30.7	39.9	34.5	33.9	10.0

Jadual A2.7: **Tenaga buruh mengikut pencapaian pendidikan, kumpulan etnik dan jantina, Malaysia, 2022 (samb.)**
Table A2.7: *Labour force by educational attainment, ethnic group and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*

Pencapaian pendidikan *Educational attainment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**6,242.7**	**5,672.7**	**3,854.0**	**1,338.6**	**438.4**	**41.8**	**570.0**
Tiada pendidikan rasmi *No formal education*	131.2	58.1	45.5	5.5	4.0	3.0	73.1
Rendah *Primary*	406.2	206.5	137.7	46.9	17.9	4.1	199.7
Menengah *Secondary*	3,137.5	2,885.5	1,946.6	691.8	224.0	23.0	252.1
Tertiari *Tertiary*	2,567.8	2,522.7	1,724.2	594.3	192.5	11.6	45.1
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Tiada pendidikan rasmi *No formal education*	2.1	1.0	1.2	0.4	0.9	7.2	12.8
Rendah *Primary*	6.5	3.6	3.6	3.5	4.1	9.8	35.0
Menengah *Secondary*	50.3	50.9	50.5	51.7	51.1	55.1	44.2
Tertiari *Tertiary*	41.1	44.5	44.7	44.4	43.9	27.8	7.9

Jadual A2.8: **Tenaga buruh mengikut pencapaian pendidikan, kumpulan etnik dan strata, Malaysia, 2022**
Table A2.8: *Labour force by educational attainment, ethnic group and strata, Malaysia, 2022*

Bandar/*Urban*

Pencapaian pendidikan *Educational attainment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**13,033.6**	**11,750.5**	**7,441.5**	**3,222.4**	**1,013.3**	**73.3**	**1,283.1**
Tiada pendidikan rasmi *No formal education*	267.3	85.8	54.6	17.4	8.5	5.3	181.6
Rendah *Primary*	766.9	405.4	218.2	130.1	49.7	7.5	361.5
Menengah *Secondary*	7,038.7	6,462.5	4,173.5	1,698.1	556.7	34.2	576.2
Tertiari *Tertiary*	4,960.6	4,796.8	2,995.3	1,376.8	398.5	26.2	163.8
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Tiada pendidikan rasmi *No formal education*	2.1	0.7	0.7	0.5	0.8	7.2	14.2
Rendah *Primary*	5.9	3.5	2.9	4.0	4.9	10.2	28.2
Menengah *Secondary*	54.0	55.0	56.1	52.7	54.9	46.7	44.9
Tertiari *Tertiary*	38.1	40.8	40.3	42.7	39.3	35.8	12.8

Jadual A2.8: **Tenaga buruh mengikut pencapaian pendidikan, kumpulan etnik dan strata, Malaysia, 2022 (samb.)**
Table A2.8: *Labour force by educational attainment, ethnic group and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*

Pencapaian pendidikan *Educational attainment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**2,988.5**	**2,419.9**	**2,194.2**	**151.9**	**45.6**	**28.1**	**568.6**
Tiada pendidikan rasmi *No formal education*	149.0	73.8	69.2	2.1	1.1	1.4	75.2
Rendah *Primary*	562.7	289.9	261.1	20.8	5.3	2.8	272.8
Menengah *Secondary*	1,717.1	1,506.4	1,357.2	99.8	31.0	18.4	210.7
Tertiari *Tertiary*	559.7	549.8	506.7	29.2	8.3	5.6	9.9
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Tiada pendidikan rasmi *No formal education*	5.0	3.0	3.2	1.4	2.4	4.8	13.2
Rendah *Primary*	18.8	12.0	11.9	13.7	11.5	10.0	48.0
Menengah *Secondary*	57.5	62.3	61.9	65.7	68.0	65.3	37.1
Tertiari *Tertiary*	18.7	22.7	23.1	19.2	18.1	19.9	1.7

Jadual A2.9: **Tenaga buruh mengikut sijil tertinggi diperoleh, strata dan jantina, Malaysia, 2022**
Table A2.9: *Labour force by highest certificate obtained, strata and sex, Malaysia, 2022*

Sijil tertinggi diperoleh *Highest certificate obtained*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah ('000) *Total*	**16,022.1**	**9,779.3**	**6,242.7**	**13,033.6**	**7,745.3**	**5,288.3**	**2,988.5**	**2,034.0**	**954.5**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	1,199.4	839.3	360.1	742.8	500.1	242.7	456.6	339.2	117.4
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	1,371.8	960.0	411.8	974.0	659.7	314.4	397.8	300.3	97.5
SPM atau yang setaraf *SPM or equivalent*	7,198.2	4,482.9	2,715.3	5,950.6	3,615.6	2,335.0	1,247.6	867.2	380.4
STPM atau yang setaraf *STPM or equivalent*	549.7	291.3	258.4	451.7	238.2	213.5	98.1	53.1	44.9
Sijil *Certificate*	404.7	293.8	110.9	345.3	248.0	97.3	59.4	45.9	13.6
Diploma	1,801.5	965.0	836.5	1,619.8	867.2	752.6	181.7	97.9	83.9
Ijazah *Degree*	2,610.9	1,347.0	1,263.9	2,411.0	1,253.4	1,157.6	199.9	93.6	106.3
Tiada sijil *No certificate*	472.0	316.4	155.6	272.7	179.9	92.9	199.2	136.5	62.7
Tidak berkenaan *Not applicable*	413.8	283.6	130.2	265.7	183.4	82.3	148.2	100.3	47.9
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	7.5	8.6	5.8	5.7	6.5	4.6	15.3	16.7	12.3
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	8.6	9.8	6.6	7.5	8.5	5.9	13.3	14.8	10.2
SPM atau yang setaraf *SPM or equivalent*	44.9	45.8	43.5	45.7	46.7	44.2	41.7	42.6	39.9
STPM atau yang setaraf *STPM or equivalent*	3.4	3.0	4.1	3.5	3.1	4.0	3.3	2.6	4.7
Sijil *Certificate*	2.5	3.0	1.8	2.6	3.2	1.8	2.0	2.3	1.4
Diploma	11.2	9.9	13.4	12.4	11.2	14.2	6.1	4.8	8.8
Ijazah *Degree*	16.3	13.8	20.2	18.5	16.2	21.9	6.7	4.6	11.1
Tiada sijil *No certificate*	2.9	3.2	2.5	2.1	2.3	1.8	6.7	6.7	6.6
Tidak berkenaan *Not applicable*	2.6	2.9	2.1	2.0	2.4	1.6	5.0	4.9	5.0

Jadual A2.10 **Tenaga buruh mengikut sijil tertinggi diperoleh dan kumpulan etnik, Malaysia, 2022**
Table A2.10 *Labour force by highest certificate obtained and ethnic group, Malaysia, 2022*

Pencapaian pendidikan *Educational attainment*	Jumlah *Total*	Warganegara Malaysia *Malaysian citizens*					Bukan warganegara Malaysia *Non-Malaysian citizens*
		Jumlah *Total*	Bumiputera	Cina *Chinese*	India *Indians*	Lain-lain *Others*	
Jumlah ('000) *Total*	**16,022.1**	**14,170.5**	**9,635.7**	**3,374.2**	**1,058.9**	**101.5**	**1,851.7**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	1,199.4	768.1	504.5	194.7	60.6	8.3	431.3
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	1,371.8	1,087.0	722.7	251.4	100.8	12.0	284.8
SPM atau yang setaraf *SPM or equivalent*	7,198.2	6,754.4	4,717.7	1,519.7	477.3	39.7	443.8
STPM atau yang setaraf *STPM or equivalent*	549.7	513.3	348.0	124.7	35.5	5.1	36.4
Sijil *Certificate*	404.7	392.5	299.1	63.9	26.7	2.8	12.1
Diploma	1,801.5	1,760.3	1,193.3	413.8	138.5	14.7	41.2
Ijazah *Degree*	2,610.9	2,534.0	1,582.5	749.9	192.5	9.2	76.9
Tiada sijil *No certificate*	472.0	202.2	145.1	36.7	17.4	3.0	269.7
Tidak berkenaan *Not applicable*	413.8	158.5	122.7	19.5	9.5	6.7	255.4
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	7.5	5.4	5.2	5.8	5.7	8.2	23.3
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	8.6	7.7	7.5	7.5	9.5	11.8	15.4
SPM atau yang setaraf *SPM or equivalent*	44.9	47.7	49.0	45.0	45.1	39.2	24.0
STPM atau yang setaraf *STPM or equivalent*	3.4	3.6	3.6	3.7	3.4	5.0	2.0
Sijil *Certificate*	2.5	2.8	3.1	1.9	2.5	2.7	0.7
Diploma	11.2	12.4	12.4	12.3	13.1	14.5	2.2
Ijazah *Degree*	16.3	17.9	16.4	22.2	18.2	9.0	4.2
Tiada sijil *No certificate*	2.9	1.4	1.5	1.1	1.6	2.9	14.6
Tidak berkenaan *Not applicable*	2.6	1.1	1.3	0.6	0.9	6.6	13.8

Jadual A2.11: **Tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan jantina, Malaysia, 2022**
Table A2.11: *Labour force by highest certificate obtained, ethnic group and sex, Malaysia, 2022*

Lelaki/*Male*

Pencapaian pendidikan *Educational attainment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**9,779.3**	**8,497.6**	**5,781.8**	**2,035.7**	**620.5**	**59.7**	**1,281.7**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	839.3	541.7	353.1	144.3	39.6	4.7	297.6
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	960.0	759.0	504.4	177.9	67.4	9.3	201.0
SPM atau yang setaraf *SPM or equivalent*	4,482.9	4,186.1	3,006.4	874.8	285.2	19.7	296.7
STPM atau yang setaraf *STPM or equivalent*	291.3	266.9	174.3	75.6	14.2	2.8	27.1
Sijil *Certificate*	293.8	282.9	222.4	44.7	14.9	0.9	10.9
Diploma	965.0	934.2	604.5	245.5	72.6	11.6	30.9
Ijazah *Degree*	1,347.0	1,288.3	738.8	434.9	109.9	4.8	58.7
Tiada sijil *No certificate*	316.4	137.5	100.0	24.0	11.2	2.3	178.8
Tidak berkenaan *Not applicable*	283.6	100.9	77.8	14.0	5.5	3.6	180.0
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	8.6	6.4	6.1	7.1	6.4	7.8	23.2
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	9.8	8.9	8.7	8.7	10.9	15.5	15.7
SPM atau yang setaraf *SPM or equivalent*	45.8	49.3	52.0	43.0	46.0	33.0	23.2
STPM atau yang setaraf *STPM or equivalent*	3.0	3.1	3.0	3.7	2.3	4.7	1.9
Sijil *Certificate*	3.0	3.3	3.8	2.2	2.4	1.5	0.8
Diploma	9.9	11.0	10.5	12.1	11.7	19.5	2.4
Ijazah *Degree*	13.8	15.2	12.8	21.4	17.7	8.0	4.6
Tiada sijil *No certificate*	3.2	1.6	1.7	1.2	1.8	3.9	14.0
Tidak berkenaan *Not applicable*	2.9	1.2	1.3	0.7	0.9	6.1	14.3

Jadual A2.11: **Tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan jantina, Malaysia, 2022 (samb.)**
Table A2.11: *Labour force by highest certificate obtained, ethnic group and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*

Pencapaian pendidikan *Educational attainment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**6,242.7**	**5,672.7**	**3,854.0**	**1,338.6**	**438.4**	**41.7**	**570.0**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	360.1	226.4	151.4	50.4	21.0	3.6	133.7
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	411.8	328.0	218.3	73.5	33.4	2.7	83.8
SPM atau yang setaraf *SPM or equivalent*	2,715.3	2,568.3	1,711.3	644.8	192.1	20.1	147.1
STPM atau yang setaraf *STPM or equivalent*	258.4	246.4	173.7	49.2	21.3	2.2	12.0
Sijil *Certificate*	110.9	109.6	76.7	19.2	11.8	1.9	1.3
Diploma	836.5	826.1	588.8	168.3	65.9	3.1	10.4
Ijazah *Degree*	1,263.9	1,245.7	843.7	315.0	82.6	4.4	18.2
Tiada sijil *No certificate*	155.6	64.7	45.1	12.6	6.3	0.7	90.9
Tidak berkenaan *Not applicable*	130.2	57.5	45.0	5.5	4.0	3.0	72.7
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	5.8	4.0	3.9	3.8	4.8	8.7	23.5
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	6.6	5.8	5.7	5.5	7.6	6.6	14.7
SPM atau yang setaraf *SPM or equivalent*	43.5	45.3	44.4	48.2	43.8	48.0	25.8
STPM atau yang setaraf *STPM or equivalent*	4.1	4.3	4.5	3.7	4.9	5.4	2.1
Sijil *Certificate*	1.8	1.9	2.0	1.4	2.7	4.5	0.2
Diploma	13.4	14.6	15.3	12.6	15.0	7.4	1.8
Ijazah *Degree*	20.2	22.0	21.9	23.5	18.8	10.6	3.2
Tiada sijil *No certificate*	2.5	1.1	1.2	0.9	1.4	1.6	15.9
Tidak berkenaan *Not applicable*	2.1	1.0	1.2	0.4	0.9	7.2	12.8

Jadual A2.12: **Tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan strata, Malaysia, 2022**
Table A2.12: *Labour force by highest certificate obtained, ethnic group and strata, Malaysia, 2022*

Bandar/*Urban*

Pencapaian pendidikan *Educational attainment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**13,033.6**	**11,750.5**	**7,441.6**	**3,222.3**	**1,013.3**	**73.3**	**1,283.1**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	742.8	496.7	263.4	173.1	55.0	5.3	246.1
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	974.0	789.8	457.7	230.5	94.0	7.5	365.0
SPM atau yang setaraf *SPM or equivalent*	5,950.6	5,599.7	3,673.8	1,445.2	454.1	26.6	350.9
STPM atau yang setaraf *STPM or equivalent*	451.7	419.2	261.2	120.2	34.6	3.3	32.4
Sijil *Certificate*	345.3	334.6	243.1	63.1	26.4	2.1	10.7
Diploma	1,619.8	1,580.1	1,026.2	405.0	135.8	13.1	39.7
Ijazah *Degree*	2,411.0	2,336.3	1,402.2	737.3	189.1	7.7	74.7
Tiada sijil *No certificate*	272.7	109.2	60.2	30.6	15.9	2.5	163.6
Tidak berkenaan *Not applicable*	265.7	84.9	53.8	17.4	8.5	5.3	0.0
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	5.7	4.2	3.5	5.4	5.4	7.2	19.2
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	7.5	6.7	6.2	7.2	9.3	10.2	28.4
SPM atau yang setaraf *SPM or equivalent*	45.7	47.7	49.4	44.8	44.8	36.3	27.3
STPM atau yang setaraf *STPM or equivalent*	3.5	3.6	3.5	3.7	3.4	4.6	2.5
Sijil *Certificate*	2.6	2.8	3.3	2.0	2.6	2.9	0.8
Diploma	12.4	13.4	13.8	12.6	13.4	17.8	3.1
Ijazah *Degree*	18.5	19.9	18.8	22.9	18.7	10.5	5.8
Tiada sijil *No certificate*	2.1	0.9	0.8	0.9	1.6	3.4	12.7
Tidak berkenaan *Not applicable*	2.0	0.7	0.7	0.5	0.8	7.2	0.0

Jadual A2.12: **Tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan strata, Malaysia, 2022 (samb.)**
Table A2.12: *Labour force by highest certificate obtained, ethnic group and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*

Pencapaian pendidikan *Educational attainment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**2,988.5**	**2,419.9**	**2,194.2**	**151.9**	**45.6**	**28.1**	**568.6**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	456.6	271.4	241.1	21.6	5.7	3.0	185.2
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	397.8	297.2	265.1	20.9	6.8	4.5	100.5
SPM atau yang setaraf *SPM or equivalent*	1,247.6	1,154.7	1,043.9	74.5	23.2	13.2	93.0
STPM atau yang setaraf *STPM or equivalent*	98.1	94.1	86.8	4.6	1.0	1.7	4.0
Sijil *Certificate*	59.4	58.0	56.0	0.9	0.4	0.7	1.5
Diploma	181.7	180.2	167.1	8.7	2.7	1.6	1.5
Ijazah *Degree*	199.9	197.8	180.3	12.6	3.4	1.5	2.1
Tiada sijil *No certificate*	199.2	93.1	85.0	6.1	1.5	0.5	106.2
Tidak berkenaan *Not applicable*	148.2	73.5	69.0	2.1	1.1	1.4	74.7
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	15.3	11.2	11.0	14.2	12.4	10.8	32.6
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	13.3	12.3	12.1	13.8	14.9	16.0	17.7
SPM atau yang setaraf *SPM or equivalent*	41.7	47.7	47.6	49.0	50.8	46.8	16.3
STPM atau yang setaraf *STPM or equivalent*	3.3	3.9	4.0	3.0	2.1	6.1	0.7
Sijil *Certificate*	2.0	2.4	2.6	0.6	0.8	2.6	0.3
Diploma	6.1	7.4	7.6	5.7	5.9	5.8	0.3
Ijazah *Degree*	6.7	8.2	8.2	8.3	7.4	5.4	0.4
Tiada sijil *No certificate*	6.7	3.8	3.9	4.0	3.2	1.8	18.7
Tidak berkenaan *Not applicable*	5.0	3.0	3.1	1.4	2.4	5.0	13.1

Jadual A3.1: **Nisbah guna tenaga kepada penduduk mengikut kumpulan umur, strata dan jantina, Malaysia, 2022**
Table A3.1: Employment to population ratio by age group, strata and sex, Malaysia, 2022

Kumpulan Umur *Age Group*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah (%) *Total*	**66.5**	**78.8**	**53.5**	**67.5**	**78.6**	**56.0**	**62.5**	**79.5**	**42.5**
15 - 19	21.1	24.7	17.3	20.4	24.3	16.2	23.7	26.3	20.9
20 - 24	58.3	68.9	46.6	58.0	67.7	47.4	59.5	73.4	43.3
25 - 29	82.1	89.7	73.6	84.0	89.1	78.5	74.8	91.9	52.9
30 - 34	85.1	94.9	74.5	87.7	95.7	79.5	74.1	92.1	50.5
35 - 39	83.2	96.6	69.2	84.9	97.0	72.7	75.4	95.0	51.1
40 - 44	83.3	97.1	68.7	84.9	97.3	72.0	75.6	96.1	51.4
45 - 49	77.7	95.6	59.3	78.3	95.6	60.8	74.8	95.6	52.0
50 - 54	71.0	91.7	50.9	71.3	91.5	51.8	69.7	92.6	47.0
55 - 59	57.7	81.0	34.1	57.0	80.1	33.5	60.5	84.3	36.3
60 - 64	33.8	50.4	15.6	30.2	45.0	14.9	45.5	66.3	18.2

Jadual A3.2: **Nisbah guna tenaga kepada penduduk mengikut kumpulan umur dan kumpulan etnik, Malaysia, 2022**
Table A3.2: Employment to population ratio by age group and ethnic group, Malaysia, 2022

Kumpulan Umur *Age Group*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah (%) *Total*	**66.5**	**80.2**	**64.4**	**67.1**	**65.8**	**56.0**	**80.2**
15 - 19	21.1	18.2	19.5	14.8	13.7	17.6	58.8
20 - 24	58.3	54.3	50.0	63.9	72.6	55.8	81.2
25 - 29	82.1	81.3	81.7	77.5	88.4	84.4	86.3
30 - 34	85.1	85.0	85.8	84.0	81.1	78.7	86.0
35 - 39	83.2	83.3	84.8	80.9	80.2	51.4	82.3
40 - 44	83.3	83.8	83.4	85.4	85.0	54.2	77.3
45 - 49	77.7	77.8	76.3	82.4	74.6	66.3	76.4
50 - 54	71.0	70.7	71.4	73.8	55.8	47.5	78.5
55 - 59	57.7	57.4	55.4	61.8	56.2	59.5	67.9
60 - 64	33.8	33.3	32.2	36.0	30.3	57.0	58.9

Jadual A3.3: **Nisbah guna tenaga kepada penduduk mengikut kumpulan umur, kumpulan etnik dan jantina, Malaysia, 2022**
Table A3.3: *Employment to population ratio by age group, ethnic group and sex, Malaysia, 2022*

Kumpulan Umur *Age Group*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Lelaki (%) *Male*	**78.8**	**77.1**	**76.9**	**78.4**	**76.9**	**60.1**	**91.3**
15 - 19	24.7	20.9	21.8	18.7	17.2	18.7	68.3
20 - 24	68.9	65.5	64.0	65.6	78.8	78.5	85.7
25 - 29	89.7	88.7	89.0	86.6	91.6	90.6	93.5
30 - 34	94.9	94.6	95.4	93.5	91.1	87.7	96.7
35 - 39	96.6	96.4	97.4	96.7	92.5	26.9	97.7
40 - 44	97.1	96.9	97.2	98.2	93.7	59.2	99.0
45 - 49	95.6	95.5	95.9	97.1	88.3	52.4	97.6
50 - 54	91.7	91.5	94.1	92.5	67.6	68.0	95.7
55 - 59	81.0	80.7	81.2	78.6	85.0	79.1	88.6
60 - 64	50.4	49.9	48.9	50.9	54.0	50.2	82.9
Perempuan *Female*	**53.5**	**52.8**	**51.8**	**55.1**	**54.8**	**51.9**	**62.1**
15 - 19	17.3	15.3	17.0	10.5	10.2	16.2	46.0
20 - 24	46.6	42.6	35.3	62.1	66.0	32.3	74.4
25 - 29	73.6	73.7	74.1	67.8	85.2	78.2	72.9
30 - 34	74.5	75.4	76.2	74.2	71.0	67.9	65.8
35 - 39	69.2	70.2	72.2	64.9	67.7	70.6	56.8
40 - 44	68.7	70.4	69.4	71.6	76.4	48.8	45.5
45 - 49	59.3	59.9	56.9	66.6	61.2	71.5	45.5
50 - 54	50.9	50.8	49.9	55.0	45.2	33.1	53.5
55 - 59	34.1	33.9	30.1	43.6	29.6	42.0	39.8
60 - 64	15.6	15.2	13.9	18.8	8.5	63.8	38.1

Jadual A3.4: **Nisbah guna tenaga kepada penduduk mengikut kumpulan umur, kumpulan etnik dan strata, Malaysia, 2022**
Table A3.4: *Employment to population ratio by age group, ethnic group and strata, Malaysia, 2022*

Kumpulan Umur *Age Group*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Bandar (%) *Urban*	**67.5**	**66.5**	**66.3**	**67.4**	**66.3**	**53.9**	**78.5**
15 - 19	20.4	18.0	19.7	14.3	13.7	18.9	59.5
20 - 24	58.0	54.7	49.5	63.6	73.4	41.6	79.2
25 - 29	84.0	84.1	85.6	78.0	89.0	88.2	83.5
30 - 34	87.7	88.0	90.1	84.5	82.0	79.1	85.8
35 - 39	84.9	85.4	87.8	81.6	80.9	51.7	79.6
40 - 44	84.9	85.7	85.8	85.9	86.9	36.7	73.7
45 - 49	78.3	78.6	77.2	82.6	74.4	62.8	73.2
50 - 54	71.3	71.1	72.0	74.4	55.3	37.5	78.1
55 - 59	57.0	56.7	53.8	61.8	56.1	42.7	65.7
60 - 64	30.2	29.7	25.3	35.4	30.3	53.1	62.1
Luar Bandar *Rural*	**62.5**	**58.8**	**58.7**	**61.2**	**55.6**	**62.3**	**84.1**
15 - 19	23.7	18.9	18.8	23.5	14.7	14.3	57.6
20 - 24	59.5	52.8	51.3	69.7	59.6	82.3	86.5
25 - 29	74.8	69.4	69.5	67.4	71.8	63.5	93.0
30 - 34	74.1	71.5	71.4	74.5	64.3	75.7	86.6
35 - 39	75.4	72.7	73.6	65.3	66.2	50.4	88.0
40 - 44	75.6	73.8	74.3	73.3	53.3	92.7	85.8
45 - 49	74.8	73.8	73.4	78.1	78.8	73.5	83.3
50 - 54	69.7	69.1	69.6	62.5	65.3	84.3	79.6
55 - 59	60.5	60.0	59.7	60.7	57.5	86.6	77.1
60 - 64	45.5	45.5	45.9	43.6	31.6	70.3	43.4

Jadual A4.1: **Penduduk bekerja mengikut kumpulan umur, strata dan jantina, Malaysia, 2022**
Table A4.1: *Employed persons by age group, strata and sex, Malaysia, 2022*

Kumpulan Umur *Age Group*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah ('000) *Total*	**15,391.7**	**9,405.5**	**5,986.2**	**12,543.7**	**7,449.0**	**5,094.7**	**2,848.0**	**1,956.5**	**891.5**
15 - 19	596.0	360.7	235.3	449.1	277.3	171.9	146.9	83.5	63.5
20 - 24	1,820.1	1,129.3	690.8	1,436.8	874.9	561.9	383.3	254.4	128.9
25 - 29	2,646.0	1,530.3	1,115.6	2,144.5	1,183.6	960.8	501.5	346.7	154.8
30 - 34	2,478.8	1,436.4	1,042.3	2,068.4	1,146.5	921.9	410.4	290.0	120.4
35 - 39	2,190.1	1,301.7	888.4	1,837.7	1,056.1	781.7	352.4	245.6	106.8
40 - 44	1,743.4	1,045.9	697.5	1,476.0	862.0	614.0	267.4	183.8	83.5
45 - 49	1,408.7	878.7	530.0	1,161.4	713.3	448.1	247.3	165.4	81.9
50 - 54	1,185.6	755.1	430.5	965.8	609.5	356.2	219.8	145.6	74.2
55 - 59	873.5	617.0	256.5	694.7	491.4	203.3	178.8	125.5	53.3
60 - 64	449.6	350.4	99.2	309.3	234.4	74.9	140.3	116.0	24.3
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
15 - 19	3.9	3.8	3.9	3.6	3.7	3.4	5.2	4.3	7.1
20 - 24	11.8	12.0	11.5	11.5	11.7	11.0	13.5	13.0	14.5
25 - 29	17.2	16.3	18.6	17.1	15.9	18.9	17.6	17.7	17.4
30 - 34	16.1	15.3	17.4	16.5	15.4	18.1	14.4	14.8	13.5
35 - 39	14.2	13.8	14.8	14.7	14.2	15.3	12.4	12.6	12.0
40 - 44	11.3	11.1	11.7	11.8	11.6	12.1	9.4	9.4	9.4
45 - 49	9.2	9.3	8.9	9.3	9.6	8.8	8.7	8.5	9.2
50 - 54	7.7	8.0	7.2	7.7	8.2	7.0	7.7	7.4	8.3
55 - 59	5.7	6.6	4.3	5.5	6.6	4.0	6.3	6.4	6.0
60 - 64	2.9	3.7	1.7	2.5	3.1	1.5	4.9	5.9	2.7

Jadual A4.2: **Penduduk bekerja mengikut kumpulan umur dan kumpulan etnik, Malaysia, 2022**
Table A4.2: *Employed persons by age group and ethnic group, Malaysia, 2022*

Kumpulan Umur *Age Group*	Jumlah *Total*	Warganegara Malaysia *Malaysian citizens*					Bukan warganegara Malaysia *Non-Malaysian citizens*
		Jumlah *Total*	Bumiputera	Cina *Chinese*	India *Indians*	Lain-lain *Others*	
Jumlah ('000) *Total*	**15,391.7**	**13,613.7**	**9,247.8**	**3,269.3**	**1,008.3**	**88.3**	**1,778.0**
15 - 19	596.0	476.9	377.1	71.5	23.2	5.1	119.2
20 - 24	1,820.1	1,442.0	964.0	334.4	131.5	12.0	378.1
25 - 29	2,646.0	2,189.7	1,585.7	425.0	159.8	19.2	456.2
30 - 34	2,478.8	2,175.9	1,552.8	457.0	148.0	18.0	302.9
35 - 39	2,190.1	1,977.0	1,384.1	437.8	146.5	8.6	213.1
40 - 44	1,743.4	1,611.3	1,055.0	419.1	130.7	6.5	132.1
45 - 49	1,408.7	1,328.2	839.9	382.5	99.6	6.2	80.5
50 - 54	1,185.6	1,131.3	722.4	334.7	70.3	3.9	54.3
55 - 59	873.5	844.3	507.9	264.5	67.6	4.4	29.2
60 - 64	449.6	437.2	258.8	142.7	31.2	4.4	12.4
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
15 - 19	3.9	3.5	4.1	2.2	2.3	5.8	6.7
20 - 24	11.8	10.6	10.4	10.2	13.0	13.6	21.3
25 - 29	17.2	16.1	17.1	13.0	15.8	21.8	25.7
30 - 34	16.1	16.0	16.8	14.0	14.7	20.4	17.0
35 - 39	14.2	14.5	15.0	13.4	14.5	9.8	12.0
40 - 44	11.3	11.8	11.4	12.8	13.0	7.4	7.4
45 - 49	9.2	9.8	9.1	11.7	9.9	7.0	4.5
50 - 54	7.7	8.3	7.8	10.2	7.0	4.5	3.1
55 - 59	5.7	6.2	5.5	8.1	6.7	4.9	1.6
60 - 64	2.9	3.2	2.8	4.4	3.1	4.9	0.7

Jadual A4.3: **Penduduk bekerja mengikut kumpulan umur dan kumpulan etnik, Malaysia, 2022**
Table A4.3: *Employed persons by age group and ethnic group, Malaysia, 2022*

Lelaki/*Male*

Kumpulan Umur *Age Group*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**9,405.5**	**8,153.6**	**5,555.9**	**1,964.6**	**585.5**	**47.6**	**1,251.8**
15 - 19	360.7	281.2	216.9	46.8	14.5	3.0	79.5
20 - 24	1,129.3	889.1	630.9	176.2	73.4	8.6	240.2
25 - 29	1,530.3	1,209.6	872.9	244.1	82.3	10.3	320.8
30 - 34	1,436.4	1,213.5	861.0	258.1	83.5	10.9	222.9
35 - 39	1,301.7	1,144.2	793.3	263.7	85.2	2.0	157.5
40 - 44	1,045.8	945.2	620.1	249.4	72.1	3.6	100.6
45 - 49	878.7	817.6	523.9	233.2	58.3	2.2	61.1
50 - 54	755.1	715.9	463.0	210.3	40.3	2.3	39.2
55 - 59	617.0	595.0	368.5	174.6	49.1	2.7	22.0
60 - 64	350.4	342.3	205.4	108.3	26.7	1.9	8.1
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
15 - 19	3.8	3.4	3.9	2.4	2.5	6.3	6.4
20 - 24	12.0	10.9	11.4	9.0	12.5	18.1	19.2
25 - 29	16.3	14.8	15.7	12.4	14.1	21.6	25.6
30 - 34	15.3	14.9	15.5	13.1	14.3	23.0	17.8
35 - 39	13.8	14.0	14.3	13.4	14.6	4.2	12.6
40 - 44	11.1	11.6	11.2	12.7	12.3	7.7	8.0
45 - 49	9.3	10.0	9.4	11.9	10.0	4.6	4.9
50 - 54	8.0	8.8	8.3	10.7	6.9	4.9	3.1
55 - 59	6.6	7.3	6.6	8.9	8.4	5.7	1.8
60 - 64	3.7	4.2	3.7	5.5	4.6	4.1	0.6

Jadual A4.3: **Penduduk bekerja mengikut kumpulan umur, kumpulan etnik dan jantina, Malaysia, 2022 (samb.)**
Table A4.3: *Employed persons by age group, ethnic group and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*

Kumpulan Umur *Age Group*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**5,986.2**	**5,460.1**	**3,691.9**	**1,304.7**	**422.8**	**40.7**	**526.2**
15 - 19	235.3	195.6	160.2	24.7	8.6	2.1	39.7
20 - 24	690.8	552.9	333.1	158.2	58.2	3.4	137.9
25 - 29	1,115.6	980.2	712.8	181.0	77.4	8.9	135.5
30 - 34	1,042.3	962.4	691.8	198.9	64.5	7.1	80.0
35 - 39	888.4	832.8	590.8	174.1	61.2	6.6	55.6
40 - 44	697.5	666.1	434.9	169.7	58.7	2.8	31.5
45 - 49	530.0	510.6	316.1	149.3	41.2	4.0	19.5
50 - 54	430.5	415.3	259.4	124.4	29.9	1.6	15.1
55 - 59	256.5	249.3	139.3	89.9	18.5	1.6	7.2
60 - 64	99.2	94.9	53.5	34.5	4.5	2.4	4.3
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
15 - 19	3.9	3.6	4.3	1.9	2.0	5.2	7.5
20 - 24	11.5	10.1	9.0	12.1	13.8	8.4	26.2
25 - 29	18.6	18.0	19.3	13.9	18.3	22.0	25.7
30 - 34	17.4	17.6	18.7	15.2	15.3	17.4	15.2
35 - 39	14.8	15.3	16.0	13.3	14.5	16.3	10.6
40 - 44	11.7	12.2	11.8	13.0	13.9	7.0	6.0
45 - 49	8.9	9.4	8.6	11.4	9.7	9.8	3.7
50 - 54	7.2	7.6	7.0	9.5	7.1	4.0	2.9
55 - 59	4.3	4.6	3.8	6.9	4.4	4.0	1.4
60 - 64	1.7	1.7	1.4	2.6	1.1	6.0	0.8

Jadual A4.4: **Penduduk bekerja mengikut kumpulan umur, kumpulan etnik dan strata, Malaysia, 2022**
Table A4.4: *Employed persons by age group, ethnic group and strata, Malaysia, 2022*

Bandar/*Urban*

Kumpulan Umur *Age Group*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**12,543.7**	**11,315.0**	**7,164.3**	**3,121.6**	**965.6**	**63.5**	**1,228.6**
15 - 19	449.1	374.0	282.8	65.5	21.8	3.9	75.1
20 - 24	1,436.8	1,168.9	720.8	317.0	125.3	5.8	267.9
25 - 29	2,144.5	1,832.0	1,253.6	406.7	154.7	17.0	312.5
30 - 34	2,068.4	1,849.6	1,255.3	436.6	141.8	15.9	218.8
35 - 39	1,837.7	1,696.8	1,126.0	423.3	141.1	6.5	140.9
40 - 44	1,476.0	1,388.1	854.9	404.1	126.0	3.0	88.0
45 - 49	1,161.4	1,108.7	643.4	366.1	95.2	3.9	52.8
50 - 54	965.8	926.6	537.2	320.4	66.5	2.5	39.2
55 - 59	694.7	672.0	354.7	251.7	63.7	1.9	22.7
60 - 64	309.3	298.5	135.6	130.3	29.5	3.1	10.8
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
15 - 19	3.6	3.3	3.9	2.1	2.3	6.1	6.1
20 - 24	11.5	10.3	10.1	10.2	13.0	9.2	21.8
25 - 29	17.1	16.2	17.5	13.0	16.0	26.7	25.4
30 - 34	16.5	16.3	17.5	14.0	14.7	25.0	17.8
35 - 39	14.7	15.0	15.7	13.6	14.6	10.2	11.5
40 - 44	11.8	12.3	11.9	12.9	13.1	4.8	7.2
45 - 49	9.3	9.8	9.0	11.7	9.9	6.2	4.3
50 - 54	7.7	8.2	7.5	10.3	6.9	3.9	3.2
55 - 59	5.5	5.9	5.0	8.1	6.6	3.0	1.8
60 - 64	2.5	2.6	1.9	4.2	3.1	4.9	0.9

Jadual A4.4: **Penduduk bekerja mengikut kumpulan umur, kumpulan etnik dan strata, Malaysia, 2022 (samb.)**
Table A4.4: *Employed persons by age group, ethnic group and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*

Kumpulan Umur *Age Group*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**2,848.0**	**2,298.7**	**2,083.5**	**147.6**	**42.7**	**22.7**	**549.4**
15 - 19	146.9	102.8	94.3	6.0	1.3	1.2	44.1
20 - 24	383.3	273.1	243.2	17.4	6.3	6.2	110.2
25 - 29	501.5	357.8	332.1	18.4	5.1	2.2	143.8
30 - 34	410.4	326.3	297.5	20.5	6.2	2.1	84.0
35 - 39	352.4	280.2	258.1	14.5	5.4	2.1	72.2
40 - 44	267.4	223.3	200.2	14.9	4.7	3.5	44.1
45 - 49	247.3	219.5	196.5	16.4	4.3	0.8	27.8
50 - 54	219.8	204.7	185.2	14.3	3.8	2.8	15.1
55 - 59	178.8	172.3	153.2	12.8	3.9	1.2	6.5
60 - 64	140.3	138.7	123.2	12.5	1.7	0.5	1.6
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
15 - 19	5.2	4.5	4.5	4.0	3.1	5.4	8.0
20 - 24	13.5	11.9	11.7	11.8	14.6	27.3	20.1
25 - 29	17.6	15.6	15.9	12.4	11.8	9.8	26.2
30 - 34	14.4	14.2	14.3	13.9	14.6	9.4	15.3
35 - 39	12.4	12.2	12.4	9.8	12.7	9.3	13.1
40 - 44	9.4	9.7	9.6	10.1	11.1	15.3	8.0
45 - 49	8.7	9.5	9.4	11.1	10.1	3.6	5.1
50 - 54	7.7	8.9	8.9	9.7	8.9	12.4	2.7
55 - 59	6.3	7.5	7.4	8.7	9.0	5.4	1.2
60 - 64	4.9	6.0	5.9	8.5	4.1	2.3	0.3

Jadual A4.5: Penduduk bekerja mengikut pekerjaan, strata dan jantina, Malaysia, 2022
Table A4.5: Employed persons by occupation, strata and sex, Malaysia, 2022

Pekerjaan *Occupation*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah ('000) *Total*	**15,391.7**	**9,405.5**	**5,986.2**	**12,543.7**	**7,449.0**	**5,094.7**	**2,848.0**	**1,956.5**	**891.5**
Pengurus *Managers*	712.2	537.0	175.2	647.4	484.3	163.1	64.8	52.7	12.1
Profesional *Professionals*	1,993.2	966.4	1,026.8	1,803.1	882.4	920.8	190.1	84.1	106.0
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	1,855.1	1,313.8	541.3	1,678.1	1,196.7	481.3	177.0	117.1	60.0
Pekerja sokongan perkeranian *Clerical support workers*	1,534.7	485.3	1,049.5	1,392.6	434.8	957.9	142.1	50.5	91.6
Pekerja perkhidmatan dan jualan *Service and sales workers*	3,763.2	1,767.6	1,995.6	3,201.6	1,496.9	1,704.6	561.7	270.7	291.0
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	723.8	598.9	124.8	259.4	231.3	28.1	464.3	367.6	96.7
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	1,380.7	1,091.7	289.0	1,155.2	901.2	254.0	225.5	190.5	35.0
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	1,584.4	1,253.6	330.8	1,288.7	1,010.5	278.2	295.7	243.1	52.6
Pekerja asas *Elementary occupations*	1,844.4	1,391.2	453.2	1,117.6	810.9	306.7	726.8	580.3	146.5
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pengurus *Managers*	4.6	5.7	2.9	5.2	6.5	3.2	2.3	2.7	1.4
Profesional *Professionals*	13.0	10.3	17.2	14.4	11.8	18.1	6.7	4.3	11.9
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	12.1	14.0	9.0	13.4	16.1	9.4	6.2	6.0	6.7
Pekerja sokongan perkeranian *Clerical support workers*	10.0	5.2	17.5	11.1	5.8	18.8	5.0	2.6	10.3
Pekerja perkhidmatan dan jualan *Service and sales workers*	24.4	18.8	33.3	25.5	20.1	33.5	19.7	13.8	32.6
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	4.7	6.4	2.1	2.1	3.1	0.6	16.3	18.8	10.9
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	9.0	11.6	4.8	9.2	12.1	5.0	7.9	9.7	3.9
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	10.3	13.3	5.5	10.3	13.6	5.5	10.4	12.4	5.9
Pekerja asas *Elementary occupations*	12.0	14.8	7.6	8.9	10.9	6.0	25.5	29.7	16.4

Jadual A4.6: **Penduduk bekerja mengikut pekerjaan, kumpulan etnik dan jantina, Malaysia, 2022**
Table A4.6: *Employed persons by occupation, ethnic group and sex, Malaysia, 2022*

Pekerjaan *Occupation*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**15,391.7**	**13,613.7**	**9,247.8**	**3,269.3**	**1,008.3**	**88.3**	**1,778.0**
Pengurus *Managers*	712.2	674.8	310.5	311.9	43.2	9.3	37.3
Profesional *Professionals*	1,993.2	1,928.0	1,240.0	501.6	176.8	9.5	65.2
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	1,855.1	1,806.9	1,140.1	501.8	154.8	10.2	48.2
Pekerja sokongan perkeranian *Clerical support workers*	1,534.7	1,498.6	946.8	420.4	119.3	12.1	36.1
Pekerja perkhidmatan dan jualan *Service and sales workers*	3,763.2	3,341.2	2,383.2	761.7	175.2	21.1	422.0
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	723.8	675.6	588.1	70.4	10.7	6.5	48.1
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	1,380.7	1,268.4	838.3	363.0	58.9	8.2	112.3
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	1,584.4	1,401.0	999.9	197.7	197.2	6.2	183.4
Pekerja asas *Elementary occupations*	1,844.4	1,019.1	801.0	140.8	72.2	5.1	825.3
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pengurus *Managers*	4.6	5.0	3.4	9.5	4.3	10.5	2.1
Profesional *Professionals*	13.0	14.2	13.4	15.3	17.5	10.8	3.7
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	12.1	13.3	12.3	15.3	15.4	11.6	2.7
Pekerja sokongan perkeranian *Clerical support workers*	10.0	11.0	10.2	12.9	11.8	13.7	2.0
Pekerja perkhidmatan dan jualan *Service and sales workers*	24.4	24.5	25.8	23.3	17.4	23.9	23.7
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	4.7	5.0	6.4	2.2	1.1	7.3	2.7
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	9.0	9.3	9.1	11.1	5.8	9.3	6.3
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	10.3	10.3	10.8	6.0	19.6	7.0	10.3
Pekerja asas *Elementary occupations*	12.0	7.5	8.7	4.3	7.2	5.8	46.4

Jadual A4.7: **Penduduk bekerja mengikut pekerjaan, kumpulan etnik dan jantina, Malaysia, 2022**
Table A4.7: Employed persons by occupation, ethnic group and sex, Malaysia, 2022

Lelaki/*Male*

Pekerjaan *Occupation*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**9,405.5**	**8,153.6**	**5,555.9**	**1,964.6**	**585.5**	**47.6**	**1,251.8**
Pengurus *Managers*	537.0	508.8	212.7	252.3	35.4	8.4	28.2
Profesional *Professionals*	966.4	916.7	573.5	249.2	89.7	4.3	49.7
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	1,313.8	1,275.6	776.8	393.0	96.9	8.9	38.3
Pekerja sokongan perkeranian *Clerical support workers*	485.3	466.2	333.7	93.4	37.5	1.6	19.1
Pekerja perkhidmatan dan jualan *Service and sales workers*	1,767.6	1,588.8	1,110.9	389.8	82.1	6.0	178.8
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	598.9	556.7	483.6	58.7	9.6	4.8	42.2
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	1,091.7	990.3	656.2	286.1	42.2	5.8	101.4
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	1,253.6	1,104.5	800.3	147.8	151.6	4.8	149.0
Pekerja asas *Elementary occupations*	1,391.2	746.1	608.2	94.4	40.6	2.9	645.1
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pengurus *Managers*	5.7	6.2	3.8	12.8	6.0	17.6	2.3
Profesional *Professionals*	10.3	11.2	10.3	12.7	15.3	9.0	4.0
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	14.0	15.6	14.0	20.0	16.5	18.8	3.1
Pekerja sokongan perkeranian *Clerical support workers*	5.2	5.7	6.0	4.8	6.4	3.4	1.5
Pekerja perkhidmatan dan jualan *Service and sales workers*	18.8	19.5	20.0	19.8	14.0	12.5	14.3
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	6.4	6.8	8.7	3.0	1.6	10.0	3.4
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	11.6	12.1	11.8	14.6	7.2	12.3	8.1
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	13.3	13.5	14.4	7.5	25.9	10.2	11.9
Pekerja asas *Elementary occupations*	14.8	9.2	10.9	4.8	6.9	6.2	51.5

Jadual A4.7: **Penduduk bekerja mengikut pekerjaan, kumpulan etnik dan jantina, Malaysia, 2022 (samb.)**
Table A4.7: *Employed persons by occupation, ethnic group and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*

Pekerjaan *Occupation*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**5,986.2**	**5,460.1**	**3,691.9**	**1,304.7**	**422.8**	**40.7**	**526.2**
Pengurus *Managers*	175.2	166.1	97.8	59.6	7.8	0.9	9.1
Profesional *Professionals*	1,026.8	1,011.3	666.5	252.4	87.1	5.3	15.5
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	541.3	531.3	363.3	108.8	58.0	1.3	10.0
Pekerja sokongan perkeranian *Clerical support workers*	1,049.5	1,032.4	613.1	327.0	81.8	10.5	17.1
Pekerja perkhidmatan dan jualan *Service and sales workers*	1,995.6	1,752.5	1,272.3	371.9	93.1	15.2	243.1
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	124.8	118.9	104.5	11.7	1.1	1.7	5.9
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	289.0	278.1	182.2	76.9	16.7	2.4	11.0
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	330.8	296.5	199.5	49.9	45.7	1.4	34.4
Pekerja asas *Elementary occupations*	453.2	273.0	192.8	46.4	31.6	2.2	180.1
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pengurus *Managers*	2.9	3.0	2.6	4.6	1.8	2.1	1.7
Profesional *Professionals*	17.2	18.5	18.1	19.3	20.6	12.9	2.9
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	9.0	9.7	9.8	8.3	13.7	3.1	1.9
Pekerja sokongan perkeranian *Clerical support workers*	17.5	18.9	16.6	25.1	19.3	25.7	3.2
Pekerja perkhidmatan dan jualan *Service and sales workers*	33.3	32.1	34.5	28.5	22.0	37.3	46.2
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	2.1	2.2	2.8	0.9	0.3	4.1	1.1
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	4.8	5.1	4.9	5.9	3.9	5.8	2.1
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	5.5	5.4	5.4	3.8	10.8	3.4	6.5
Pekerja asas *Elementary occupations*	7.6	5.0	5.2	3.6	7.5	5.4	34.2

Jadual A4.8: **Penduduk bekerja mengikut pekerjaan, kumpulan etnik dan strata, Malaysia, 2022**
Table A4.8: Employed persons by occupation, ethnic group and strata, Malaysia, 2022

Bandar/*Urban*

Pekerjaan *Occupation*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**12,543.7**	**11,315.0**	**7,164.3**	**3,121.6**	**965.6**	**63.5**	**1,228.6**
Pengurus *Managers*	647.4	612.6	263.5	300.7	41.5	6.9	34.8
Profesional *Professionals*	1,803.1	1,739.8	1,069.3	489.6	173.4	7.5	63.3
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	1,678.1	1,633.6	982.8	491.5	151.2	8.0	44.5
Pekerja sokongan perkeranian *Clerical support workers*	1,392.6	1,362.7	826.1	408.1	117.0	11.6	29.9
Pekerja perkhidmatan dan jualan *Service and sales workers*	3,201.6	2,844.8	1,936.6	724.6	167.8	15.7	356.8
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	259.4	233.6	175.2	49.0	7.9	1.4	25.9
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	1,155.2	1,067.0	660.4	343.8	56.4	6.4	88.3
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	1,288.7	1,142.1	766.3	186.4	186.4	3.0	146.6
Pekerja asas *Elementary occupations*	1,117.6	679.0	484.2	128.0	63.8	3.0	438.6
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pengurus *Managers*	5.2	5.4	3.7	9.6	4.3	10.8	2.8
Profesional *Professionals*	14.4	15.4	14.9	15.7	18.0	11.9	5.2
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	13.4	14.4	13.7	15.7	15.7	12.6	3.6
Pekerja sokongan perkeranian *Clerical support workers*	11.1	12.0	11.5	13.1	12.1	18.3	2.4
Pekerja perkhidmatan dan jualan *Service and sales workers*	25.5	25.1	27.0	23.2	17.4	24.8	29.0
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	2.1	2.1	2.4	1.6	0.8	2.2	2.1
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	9.2	9.4	9.2	11.0	5.8	10.0	7.2
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	10.3	10.1	10.7	6.0	19.3	4.7	11.9
Pekerja asas *Elementary occupations*	8.9	6.0	6.8	4.1	6.6	4.8	35.7

Jadual A4.8: **Penduduk bekerja mengikut pekerjaan, kumpulan etnik dan strata, Malaysia, 2022 (samb.)**
Table A4.8: *Employed persons by occupation, ethnic group and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*

Pekerjaan *Occupation*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**2,848.0**	**2,298.7**	**2,083.5**	**147.6**	**42.7**	**24.7**	**549.4**
Pengurus *Managers*	64.8	62.3	47.0	11.3	1.6	2.4	2.5
Profesional *Professionals*	190.1	188.2	170.8	12.0	3.4	2.0	1.9
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	177.0	173.3	157.3	10.3	3.6	2.2	3.7
Pekerja sokongan perkeranian *Clerical support workers*	142.1	135.9	120.7	12.3	2.3	0.5	6.2
Pekerja perkhidmatan dan jualan *Service and sales workers*	561.7	496.5	446.6	37.1	7.4	5.4	65.2
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	464.3	442.0	412.9	21.4	2.7	5.0	22.3
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	225.5	201.5	178.0	19.1	2.5	1.9	24.0
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	295.7	258.9	233.6	11.3	10.8	3.2	36.8
Pekerja asas *Elementary occupations*	726.8	340.1	316.8	12.9	8.4	2.1	386.7
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pengurus *Managers*	2.3	2.7	2.3	7.6	3.8	9.7	0.5
Profesional *Professionals*	6.7	8.2	8.2	8.1	7.9	8.1	0.4
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	6.2	7.5	7.5	6.9	8.4	8.9	0.7
Pekerja sokongan perkeranian *Clerical support workers*	5.0	5.9	5.8	8.4	5.4	2.0	1.1
Pekerja perkhidmatan dan jualan *Service and sales workers*	19.7	21.6	21.4	25.1	17.4	21.8	11.9
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	16.3	19.2	19.8	14.5	6.4	20.3	4.1
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	7.9	8.8	8.5	13.0	5.8	7.5	4.4
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	10.4	11.3	11.2	7.7	25.2	13.1	6.7
Pekerja asas *Elementary occupations*	25.5	14.8	15.2	8.7	19.6	8.6	70.4

Jadual A4.9: **Penduduk bekerja mengikut pekerjaan dan kumpulan umur, Malaysia, 2022**
Table A4.9: *Employed persons by occupation and age group, Malaysia, 2022*

Pekerjaan *Occupation*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah ('000) *Total*	**15,391.7**	**596.0**	**1,820.1**	**2,646.0**	**2,478.8**	**2,190.1**	**1,743.4**	**1,408.7**	**1,185.6**	**873.5**	**449.6**
Pengurus *Managers*	712.2	3.8	19.5	51.9	111.6	106.1	104.0	97.9	95.9	76.8	44.7
Profesional *Professionals*	1,993.2	26.5	122.0	335.9	350.5	326.3	300.9	236.0	167.9	107.6	19.6
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	1,855.1	56.7	144.7	336.4	362.9	313.1	221.1	170.9	143.0	81.5	24.9
Pekerja sokongan perkeranian *Clerical support workers*	1,534.7	41.8	174.7	300.3	298.5	238.7	187.4	129.7	89.2	59.4	15.1
Pekerja perkhidmatan dan jualan *Service and sales workers*	3,763.2	268.6	587.9	699.1	535.0	489.9	368.2	279.5	245.7	181.5	107.8
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	723.8	14.1	47.1	67.6	87.1	82.3	72.7	83.8	89.0	92.8	87.2
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	1,380.7	33.8	152.3	187.1	247.5	223.7	155.9	129.5	115.6	90.1	45.3
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	1,584.4	47.3	242.9	289.7	233.0	195.7	166.5	142.8	124.7	95.4	46.4
Pekerja asas *Elementary occupations*	1,844.4	103.4	329.0	378.0	252.7	214.4	166.6	138.6	114.5	88.5	58.6
Jumlah ('000) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pengurus *Managers*	4.6	0.6	1.1	2.0	4.5	4.8	6.0	7.0	8.1	8.8	9.9
Profesional *Professionals*	13.0	4.4	6.7	12.7	14.1	14.9	17.3	16.8	14.2	12.3	4.4
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	12.1	9.5	8.0	12.7	14.6	14.3	12.7	12.1	12.1	9.3	5.5
Pekerja sokongan perkeranian *Clerical support workers*	10.0	7.0	9.6	11.3	12.0	10.9	10.7	9.2	7.5	6.8	3.4
Pekerja perkhidmatan dan jualan *Service and sales workers*	24.4	45.1	32.3	26.4	21.6	22.4	21.1	19.8	20.7	20.8	24.0
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	4.7	2.4	2.6	2.6	3.5	3.8	4.2	6.0	7.5	10.6	19.4
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	9.0	5.7	8.4	7.1	10.0	10.2	8.9	9.2	9.8	10.3	10.1
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	10.3	7.9	13.3	10.9	9.4	8.9	9.6	10.1	10.5	10.9	10.3
Pekerja asas *Elementary occupations*	12.0	17.4	18.1	14.3	10.2	9.8	9.6	9.8	9.7	10.1	13.0

Jadual A4.10: **Penduduk bekerja mengikut pekerjaan, kumpulan umur dan jantina, Malaysia, 2022**
Table A4.10: *Employed persons by occupation, age group and sex, Malaysia, 2022*

Lelaki/*Male*											
Pekerjaan *Occupation*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah ('000) *Total*	**9,405.5**	**360.7**	**1,129.3**	**1,530.3**	**1,436.4**	**1,301.7**	**1,045.8**	**878.7**	**755.1**	**617.0**	**350.4**
Pengurus *Managers*	537.0	2.7	11.5	36.4	61.0	80.4	80.4	79.0	78.1	66.0	41.3
Profesional *Professionals*	966.4	20.0	54.1	157.2	153.2	156.5	148.0	123.2	77.2	60.7	16.2
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	1,313.8	21.9	98.3	228.7	256.4	216.1	164.8	131.9	104.2	69.7	21.8
Pekerja sokongan perkeranian *Clerical support workers*	485.3	21.8	62.1	89.5	67.5	71.6	57.3	41.0	38.9	26.4	9.1
Pekerja perkhidmatan dan jualan *Service and sales workers*	1,767.6	144.3	312.3	295.2	233.5	206.9	157.9	124.1	120.5	106.4	66.6
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	598.9	12.0	38.8	60.5	76.1	70.8	59.5	66.0	69.3	73.7	72.2
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	1,091.7	29.4	119.4	143.0	196.7	174.8	124.8	103.1	92.3	68.6	39.5
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	1,253.6	37.6	168.3	217.2	188.8	163.4	134.6	119.4	100.2	82.1	41.9
Pekerja asas *Elementary occupations*	1,391.2	70.9	264.4	302.8	203.2	161.1	118.5	90.9	74.4	63.3	41.7
Jumlah ('000) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pengurus *Managers*	5.7	0.8	1.0	2.4	4.2	6.2	7.7	9.0	10.3	10.7	11.8
Profesional *Professionals*	10.3	5.6	4.8	10.3	10.7	12.0	14.1	14.0	10.2	9.8	4.6
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	14.0	6.1	8.7	14.9	17.9	16.6	15.8	15.0	13.8	11.3	6.2
Pekerja sokongan perkeranian *Clerical support workers*	5.2	6.0	5.5	5.9	4.7	5.5	5.5	4.7	5.1	4.3	2.6
Pekerja perkhidmatan dan jualan *Service and sales workers*	18.8	40.0	27.7	19.3	16.3	15.9	15.1	14.1	16.0	17.2	19.0
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	6.4	3.3	3.4	4.0	5.3	5.4	5.7	7.5	9.2	11.9	20.6
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	11.6	8.1	10.6	9.3	13.7	13.4	11.9	11.7	12.2	11.1	11.3
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	13.3	10.4	14.9	14.2	13.1	12.6	12.9	13.6	13.3	13.3	12.0
Pekerja asas *Elementary occupations*	14.8	19.7	23.4	19.8	14.1	12.4	11.3	10.3	9.9	10.3	11.9

Jadual A4.10: **Penduduk bekerja mengikut pekerjaan, kumpulan umur dan jantina, Malaysia, 2022 (samb.)**
Table A4.10: Employed persons by occupation, age group and sex, Malaysia, 2022 (cont'd)

Perempuan/*Female*											
Pekerjaan *Occupation*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah ('000) *Total*	**5,986.2**	**235.3**	**690.8**	**1,115.6**	**1,042.3**	**888.4**	**697.5**	**530.0**	**430.5**	**256.5**	**99.2**
Pengurus *Managers*	175.2	1.1	8.0	15.5	50.6	25.7	23.6	18.9	17.8	10.8	3.4
Profesional *Professionals*	1,026.8	6.5	67.9	178.8	197.3	169.8	152.9	112.7	90.7	46.8	3.4
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	541.3	34.7	46.4	107.7	106.5	97.0	56.2	39.0	38.9	11.8	3.1
Pekerja sokongan perkeranian *Clerical support workers*	1,049.5	20.1	112.5	210.7	231.0	167.1	130.1	88.7	50.3	33.0	6.0
Pekerja perkhidmatan dan jualan *Service and sales workers*	1,995.6	124.3	275.6	404.0	301.5	283.0	210.3	155.4	125.2	75.1	41.3
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	124.8	2.0	8.3	7.1	11.0	11.5	13.2	17.9	19.7	19.1	15.0
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	289.0	4.4	32.8	44.1	50.8	48.8	31.1	26.4	23.4	21.4	5.8
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	330.8	9.7	74.6	72.5	44.2	32.3	32.0	23.4	24.5	13.3	4.5
Pekerja asas *Elementary occupations*	453.2	32.5	64.5	75.2	49.5	53.4	48.1	47.7	40.1	25.2	17.0
Jumlah ('000) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pengurus *Managers*	2.9	0.5	1.2	1.4	4.9	2.9	3.4	3.6	4.1	4.2	3.4
Profesional *Professionals*	17.2	2.8	9.8	16.0	18.9	19.1	21.9	21.3	21.1	18.3	3.4
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	9.0	14.8	6.7	9.7	10.2	10.9	8.1	7.4	9.0	4.6	3.1
Pekerja sokongan perkeranian *Clerical support workers*	17.5	8.5	16.3	18.9	22.2	18.8	18.7	16.7	11.7	12.9	6.0
Pekerja perkhidmatan dan jualan *Service and sales workers*	33.3	52.8	39.9	36.2	28.9	31.9	30.2	29.3	29.1	29.3	41.6
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	2.1	0.9	1.2	0.6	1.1	1.3	1.9	3.4	4.6	7.5	15.1
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	4.8	1.9	4.8	4.0	4.9	5.5	4.5	5.0	5.4	8.4	5.8
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	5.5	4.1	10.8	6.5	4.2	3.6	4.6	4.4	5.7	5.2	4.5
Pekerja asas *Elementary occupations*	7.6	13.8	9.3	6.7	4.8	6.0	6.9	9.0	9.3	9.8	17.1

Jadual A4.11: **Penduduk bekerja mengikut pekerjaan, kumpulan umur dan strata, Malaysia, 2022**
Table A4.11: *Employed persons by occupation, age group and strata, Malaysia, 2022*

Bandar/*Urban*

Pekerjaan *Occupation*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah ('000) *Total*	**12,543.7**	**449.1**	**1,436.8**	**2,144.5**	**2,068.4**	**1,837.7**	**1,476.0**	**1,161.4**	**965.8**	**694.7**	**309.3**
Pengurus *Managers*	647.4	3.4	16.6	46.2	102.7	96.4	96.2	89.3	88.3	69.7	38.5
Profesional *Professionals*	1,803.1	21.9	111.9	307.6	317.7	298.1	272.7	211.7	148.4	95.0	17.9
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	1,678.1	48.6	124.6	303.3	329.4	284.0	202.9	158.8	133.7	73.3	19.5
Pekerja sokongan perkeranian *Clerical support workers*	1,392.6	33.4	153.9	272.1	274.0	217.5	173.6	120.6	81.4	54.8	11.3
Pekerja perkhidmatan dan jualan *Service and sales workers*	3,201.6	222.4	484.3	591.3	459.7	428.1	325.7	238.6	210.4	152.8	88.2
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	259.4	6.0	15.5	27.3	38.5	33.9	26.6	28.2	27.0	30.8	25.7
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	1,155.2	26.6	124.4	145.5	213.7	196.3	135.7	108.1	95.5	75.5	33.9
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	1,288.7	32.0	193.9	227.1	188.9	159.0	141.6	121.2	105.4	82.0	37.7
Pekerja asas *Elementary occupations*	1,117.6	54.9	211.6	224.0	143.7	124.4	101.0	84.9	75.7	60.8	36.6
Jumlah ('000) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pengurus *Managers*	5.2	0.7	1.2	2.2	5.0	5.2	6.5	7.7	9.1	10.0	12.4
Profesional *Professionals*	14.4	4.9	7.8	14.3	15.4	16.2	18.5	18.2	15.4	13.7	5.8
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	13.4	10.8	8.7	14.1	15.9	15.5	13.7	13.7	13.8	10.6	6.3
Pekerja sokongan perkeranian *Clerical support workers*	11.1	7.4	10.7	12.7	13.2	11.8	11.8	10.4	8.4	7.9	3.6
Pekerja perkhidmatan dan jualan *Service and sales workers*	25.5	49.5	33.7	27.6	22.2	23.3	22.1	20.5	21.8	22.0	28.5
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	2.1	1.3	1.1	1.3	1.9	1.8	1.8	2.4	2.8	4.4	8.3
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	9.2	5.9	8.7	6.8	10.3	10.7	9.2	9.3	9.9	10.9	11.0
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	10.3	7.1	13.5	10.6	9.1	8.7	9.6	10.4	10.9	11.8	12.2
Pekerja asas *Elementary occupations*	8.9	12.2	14.7	10.4	6.9	6.8	6.8	7.3	7.8	8.7	11.8

Jadual A4.11: **Penduduk bekerja mengikut pekerjaan, kumpulan umur dan strata, Malaysia, 2022 (samb.)**
Table A4.11: *Employed persons by occupation, age group and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*											
Pekerjaan *Occupation*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah ('000) *Total*	**2,848.0**	**146.9**	**383.3**	**501.5**	**410.4**	**352.4**	**267.4**	**247.3**	**219.8**	**178.8**	**140.3**
Pengurus *Managers*	64.8	0.4	2.9	5.7	8.9	9.7	7.7	8.6	7.5	7.1	6.2
Profesional *Professionals*	190.1	4.6	10.1	28.3	32.8	28.2	28.2	24.3	19.4	12.5	1.6
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	177.0	8.1	20.1	33.1	33.4	29.1	18.2	12.1	9.4	8.2	5.3
Pekerja sokongan perkeranian *Clerical support workers*	142.1	8.5	20.7	28.2	24.5	21.1	13.8	9.1	7.8	4.6	3.8
Pekerja perkhidmatan dan jualan *Service and sales workers*	561.7	46.2	103.6	107.8	75.2	61.7	42.5	40.9	35.3	28.7	19.6
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	464.3	8.1	31.6	40.3	48.6	48.5	46.1	55.6	62.0	62.0	61.5
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	225.5	7.2	27.8	41.5	33.9	27.4	20.2	21.4	20.2	14.6	11.4
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	295.7	15.3	49.0	62.6	44.1	36.7	24.9	21.6	19.4	13.4	8.7
Pekerja asas *Elementary occupations*	726.8	48.5	117.4	154.0	109.0	90.1	65.7	53.7	38.8	27.7	22.0
Jumlah ('000) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pengurus *Managers*	2.3	0.3	0.8	1.1	2.2	2.8	2.9	3.5	3.4	4.0	4.4
Profesional *Professionals*	6.7	3.1	2.6	5.6	8.0	8.0	10.5	9.8	8.8	7.0	1.2
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	6.2	5.5	5.2	6.6	8.1	8.2	6.8	4.9	4.3	4.6	3.8
Pekerja sokongan perkeranian *Clerical support workers*	5.0	5.8	5.4	5.6	6.0	6.0	5.2	3.7	3.6	2.6	2.7
Pekerja perkhidmatan dan jualan *Service and sales workers*	19.7	31.4	27.0	21.5	18.3	17.5	15.9	16.5	16.1	16.1	14.0
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	16.3	5.5	8.3	8.0	11.8	13.7	17.2	22.5	28.2	34.7	43.9
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	7.9	4.9	7.3	8.3	8.2	7.8	7.6	8.6	9.2	8.1	8.1
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	10.4	10.4	12.8	12.5	10.7	10.4	9.3	8.7	8.8	7.5	6.2
Pekerja asas *Elementary occupations*	25.5	33.0	30.6	30.7	26.6	25.6	24.6	21.7	17.6	15.5	15.7

Jadual A4.12: Penduduk bekerja mengikut industri, strata dan jantina, Malaysia, 2022

Table A4.12: Employed persons by industry, strata and sex, Malaysia, 2022

Industri *Industry*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah [1] ('000) *Total*	**15,391.7**	**9,405.5**	**5,986.2**	**12,543.7**	**7,449.0**	**5,094.7**	**2,848.0**	**1,956.5**	**891.5**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	1,540.8	1,223.4	317.5	626.3	498.0	128.3	914.6	725.4	189.2
Perlombongan dan pengkuarian *Mining and quarrying*	84.3	52.6	31.7	73.0	43.1	29.9	11.3	9.5	1.9
Pembuatan *Manufacturing*	2,590.7	1,691.5	899.2	2,223.3	1,437.0	786.3	367.4	254.5	112.9
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	79.1	73.3	5.7	67.2	62.8	4.4	11.8	10.5	1.3
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	88.3	68.5	19.8	73.2	55.3	17.9	15.1	13.2	2.0
Pembinaan *Construction*	1,170.5	1,028.6	141.8	933.5	803.9	129.6	236.9	224.7	12.2
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	2,930.6	1,618.3	1,312.3	2,555.3	1,410.4	1,144.9	377.3	210.0	167.3
Pengangkutan dan penyimpanan *Transportation and storage*	711.4	558.4	153.0	627.8	484.4	143.4	83.6	74.0	9.6
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	1,547.7	748.2	799.6	1,310.2	636.3	673.9	237.5	111.9	125.6
Maklumat dan komunikasi *Information and communication*	236.4	156.4	80.0	225.1	150.2	74.9	11.4	6.3	5.1
Aktiviti kewangan dan insurans/takaful *Financial and insurance/takaful activities*	397.2	190.3	206.9	373.8	179.5	194.3	23.4	10.8	12.6
Aktiviti hartanah *Real estate activities*	83.7	50.0	33.8	80.0	48.1	31.9	3.7	1.9	1.8
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	365.7	184.9	180.9	344.0	174.2	169.7	21.7	10.6	11.1
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	862.4	500.9	361.6	709.3	395.5	313.8	153.1	105.4	47.8
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	747.7	513.0	234.8	636.7	431.8	205.0	111.0	81.2	29.8
Pendidikan *Education*	943.7	327.9	615.8	791.5	272.4	519.1	152.2	55.5	96.7
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	599.0	226.6	372.4	524.6	195.8	328.8	74.4	30.8	43.6
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	63.5	32.9	30.7	55.8	27.7	28.1	7.7	5.1	2.6
Aktiviti perkhidmatan lain *Other service activities*	279.0	153.0	126.0	255.9	138.2	117.7	23.1	14.8	8.3
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	67.8	4.9	62.9	57.1	4.4	52.7	10.7	0.5	10.2

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.12 **Penduduk bekerja mengikut industri, strata dan jantina, Malaysia, 2022 (samb.)**
Table A4.12 *Employed persons by industry, strata and sex, Malaysia, 2022 (cont'd)*

Industri *Industry*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah [1] (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	10.0	13.0	5.3	5.0	6.7	2.5	32.1	37.1	21.2
Perlombongan dan pengkuarian *Mining and quarrying*	0.5	0.6	0.5	0.6	0.6	0.6	0.4	0.5	0.2
Pembuatan *Manufacturing*	16.8	18.0	15.0	17.7	19.3	15.4	12.9	13.0	12.7
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	0.5	0.8	0.1	0.5	0.8	0.1	0.4	0.5	0.1
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	0.6	0.7	0.3	0.6	0.7	0.4	0.5	0.7	0.2
Pembinaan *Construction*	7.6	10.9	2.4	7.4	10.8	2.5	8.3	11.5	1.4
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	19.0	17.2	21.9	20.4	18.9	22.5	13.2	10.7	18.8
Pengangkutan dan penyimpanan *Transportation and storage*	4.6	5.9	2.6	5.0	6.5	2.8	2.9	3.8	1.1
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	10.1	8.0	13.4	10.4	8.5	13.2	8.3	5.7	14.1
Maklumat dan komunikasi *Information and communication*	1.5	1.7	1.3	1.8	2.0	1.5	0.4	0.3	0.6
Aktiviti kewangan dan insurans/takaful *Financial and insurance/takaful activities*	2.6	2.0	3.5	3.0	2.4	3.8	0.8	0.6	1.4
Aktiviti hartanah *Real estate activities*	0.5	0.5	0.6	0.6	0.6	0.6	0.1	0.1	0.2
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	2.4	2.0	3.0	2.7	2.3	3.3	0.8	0.5	1.2
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	5.6	5.3	6.0	5.7	5.3	6.2	5.4	5.4	5.4
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	4.9	5.5	3.9	5.1	5.8	4.0	3.9	4.1	3.3
Pendidikan *Education*	6.1	3.5	10.3	6.3	3.7	10.2	5.3	2.8	10.9
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	3.9	2.4	6.2	4.2	2.6	6.5	2.6	1.6	4.9
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	0.4	0.3	0.5	0.4	0.4	0.6	0.3	0.3	0.3
Aktiviti perkhidmatan lain *Other service activities*	1.8	1.6	2.1	2.0	1.9	2.3	0.8	0.8	0.9
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	0.4	0.1	1.1	0.5	0.1	1.0	0.4	0.0	1.1

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.13 **Penduduk bekerja mengikut industri dan kumpulan etnik, Malaysia, 2022**
Table A4.13 *Employed persons by industry and ethnic group, Malaysia, 2022*

Industry *Industri*	Jumlah *Total*	Warganegara Malaysia *Malaysian citizens*					Bukan warganegara Malaysia *Non-Malaysian citizens*
		Jumlah *Total*	Bumiputera	Cina *Chinese*	India *Indians*	Lain-lain *Others*	
Jumlah [1] ('000) *Total*	**15,391.7**	**13,613.7**	**9,247.8**	**3,269.3**	**1,008.3**	**88.3**	**1,778.0**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	1,540.8	1,040.6	860.3	144.1	25.1	11.2	500.2
Perlombongan dan pengkuarian *Mining and quarrying*	84.3	78.9	58.4	13.7	6.5	0.3	5.4
Pembuatan *Manufacturing*	2,590.7	2,210.6	1,435.2	547.2	209.7	18.5	380.2
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	79.1	78.7	54.8	20.6	3.2	0.2	0.3
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	88.3	85.3	58.6	10.5	14.9	1.3	3.0
Pembinaan *Construction*	1,170.5	965.7	657.9	256.7	45.7	5.3	204.8
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	2,932.6	2,699.8	1,605.3	905.3	171.1	18.0	232.9
Pengangkutan dan penyimpanan *Transportation and storage*	711.4	690.7	475.5	124.4	90.3	0.5	20.7
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	1,547.7	1,339.5	894.8	347.0	86.1	11.6	208.2
Maklumat dan komunikasi *Information and communication*	236.4	229.8	131.9	74.2	23.7	0.1	6.6
Aktiviti kewangan dan insurans/takaful *Financial and insurance/takaful activities*	397.2	396.0	220.3	128.4	46.5	0.7	1.2
Aktiviti hartanah *Real estate activities*	83.7	82.8	31.6	39.2	11.8	0.2	0.9
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	365.7	358.4	206.5	118.5	33.2	0.2	7.3
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	862.4	762.0	549.0	119.3	86.3	7.4	100.4
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	747.7	746.3	676.4	47.1	20.5	2.3	1.4
Pendidikan *Education*	943.7	933.0	721.0	141.6	65.7	4.7	10.7
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	599.0	584.8	406.9	138.2	36.9	2.8	14.1
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	63.5	54.4	38.0	10.1	4.7	1.5	9.1
Aktiviti perkhidmatan lain *Other service activities*	279.0	262.6	157.8	78.7	24.9	1.2	16.4
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	67.8	13.8	7.5	4.5	1.6	0.2	54.0

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.13: **Penduduk bekerja mengikut industri dan kumpulan etnik, Malaysia, 2022 (samb.)**
Table A4.13: *Employed persons by industry and ethnic group, Malaysia, 2022 (cont'd)*

Industry *Industri*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah [1] (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	10.0	7.6	9.3	4.4	2.5	12.7	28.1
Perlombongan dan pengkuarian *Mining and quarrying*	0.5	0.6	0.6	0.4	0.6	0.3	0.3
Pembuatan *Manufacturing*	16.8	16.2	15.5	16.7	20.8	20.9	21.4
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	0.5	0.6	0.6	0.6	0.3	0.2	0.0
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	0.6	0.6	0.6	0.3	1.5	1.5	0.2
Pembinaan *Construction*	7.6	7.1	7.1	7.9	4.5	6.0	11.5
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	19.1	19.8	17.4	27.7	17.0	20.4	13.1
Pengangkutan dan penyimpanan *Transportation and storage*	4.6	5.1	5.1	3.8	9.0	0.5	1.2
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	10.1	9.8	9.7	10.6	8.5	13.1	11.7
Maklumat dan komunikasi *Information and communication*	1.5	1.7	1.4	2.3	2.3	0.2	0.4
Aktiviti kewangan dan insurans/takaful *Financial and insurance/takaful activities*	2.6	2.9	2.4	3.9	4.6	0.8	0.1
Aktiviti hartanah *Real estate activities*	0.5	0.6	0.3	1.2	1.2	0.2	0.1
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	2.4	2.6	2.2	3.6	3.3	0.2	0.4
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	5.6	5.6	5.9	3.6	8.6	8.4	5.6
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	4.9	5.5	7.3	1.4	2.0	2.6	0.1
Pendidikan *Education*	6.1	6.9	7.8	4.3	6.5	5.4	0.6
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	3.9	4.3	4.4	4.2	3.7	3.2	0.8
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	0.4	0.4	0.4	0.3	0.5	1.7	0.5
Aktiviti perkhidmatan lain *Other service activities*	1.8	1.9	1.7	2.4	2.5	1.4	0.9
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	0.4	0.1	0.1	0.1	0.2	0.3	3.0

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.14: **Penduduk bekerja mengikut industri, kumpulan etnik dan jantina, Malaysia, 2022**
Table A4.14: *Employed persons by industry, ethnic group and sex, Malaysia, 2022*

Lelaki/*Male*

Industry *Industri*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah [1] **('000)** *Total*	**9,405.5**	**8,153.6**	**5,555.9**	**1,964.6**	**585.5**	**47.6**	**1,251.7**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	1,223.4	843.7	700.1	116.4	18.8	**8.3**	379.7
Perlombongan dan pengkuarian *Mining and quarrying*	52.6	47.6	36.7	8.8	1.9	**0.2**	5.0
Pembuatan *Manufacturing*	1,691.5	1,386.9	893.3	342.7	134.4	**16.4**	304.7
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	73.3	73.0	49.5	20.4	3.0	**0.2**	0.3
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	68.5	66.2	46.1	5.9	13.3	**0.9**	2.3
Pembinaan *Construction*	1,028.6	827.0	569.5	214.8	37.6	5.2	201.6
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	1,620.4	1,443.8	790.7	552.2	90.8	10.1	176.5
Pengangkutan dan penyimpanan *Transportation and storage*	558.4	541.9	372.2	90.8	78.7	0.2	16.5
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	748.2	675.5	441.8	200.8	31.1	1.8	72.6
Maklumat dan komunikasi *Information and communication*	156.4	150.1	79.2	54.8	16.2	0.0	6.3
Aktiviti kewangan dan insurans/takaful *Financial and insurance/takaful activities*	190.3	189.4	97.8	63.7	27.8	0.0	0.9
Aktiviti hartanah *Real estate activities*	50.0	49.0	16.5	22.1	10.3	0.2	0.9
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	184.9	179.1	106.5	57.0	15.5	0.1	5.7
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	500.9	452.7	353.9	52.5	45.6	0.6	48.2
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	513.0	512.5	485.6	11.8	15.0	0.1	0.5
Pendidikan *Education*	327.9	320.2	264.6	39.1	15.7	0.8	7.7
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	226.6	219.0	136.9	65.0	16.1	1.0	7.6
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	32.9	27.3	19.0	4.6	2.8	0.9	5.5
Aktiviti perkhidmatan lain *Other service activities*	153.0	143.8	92.8	40.0	10.3	0.6	9.2
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	4.9	4.9	3.1	1.2	0.5	0.0	0.0

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.14 **Penduduk bekerja mengikut industri, kumpulan etnik dan jantina, Malaysia, 2022 (samb.)**
Table A4.14 *Employed persons by industry, ethnic group and sex, Malaysia, 2022 (cont'd)*

Lelaki/*Male*

Industri *Industry*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah [1] **(%)** *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	13.0	10.3	12.6	5.9	3.2	17.5	30.3
Perlombongan dan pengkuarian *Mining and quarrying*	0.6	0.6	0.7	0.4	0.3	0.5	0.4
Pembuatan *Manufacturing*	18.0	17.0	16.1	17.4	23.0	34.4	24.3
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	0.8	0.9	0.9	1.0	0.5	0.4	0.0
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	0.7	0.8	0.8	0.3	2.3	1.9	0.2
Pembinaan *Construction*	10.9	10.1	10.2	10.9	6.4	10.9	16.1
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	17.2	17.7	14.2	28.1	15.5	21.2	14.1
Pengangkutan dan penyimpanan *Transportation and storage*	5.9	6.6	6.7	4.6	13.4	0.4	1.3
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	8.0	8.3	8.0	10.2	5.3	3.8	5.8
Maklumat dan komunikasi *Information and communication*	1.7	1.8	1.4	2.8	2.8	0.0	0.5
Aktiviti kewangan dan insurans/takaful *Financial and insurance/takaful activities*	2.0	2.3	1.8	3.2	4.7	0.0	0.1
Aktiviti hartanah *Real estate activities*	0.5	0.6	0.3	1.1	1.8	0.4	0.1
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	2.0	2.2	1.9	2.9	2.6	0.1	0.5
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	5.3	5.6	6.4	2.7	7.8	1.4	3.8
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	5.5	6.3	8.7	0.6	2.6	0.3	0.0
Pendidikan *Education*	3.5	3.9	4.8	2.0	2.7	1.7	0.6
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	2.4	2.7	2.5	3.3	2.8	2.1	0.6
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	0.3	0.3	0.3	0.2	0.5	1.8	0.4
Aktiviti perkhidmatan lain *Other service activities*	1.6	1.8	1.7	2.0	1.8	1.3	0.7
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	0.1	0.1	0.1	0.1	0.1	0.0	0.0

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.14 **Penduduk bekerja mengikut industri, kumpulan etnik dan jantina, Malaysia, 2022 (samb.)**
Table A4.14 *Employed persons by industry, ethnic group and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*

Industry *Industri*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah [1] **('000)** *Total*	**5,986.2**	**5,460.1**	**3,691.9**	**1,304.7**	**422.8**	**40.7**	**526.2**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	317.5	196.9	160.2	27.7	6.2	2.9	120.6
Perlombongan dan pengkuarian *Mining and quarrying*	31.7	31.3	21.7	4.9	4.6	0.1	0.4
Pembuatan *Manufacturing*	899.2	823.7	541.9	204.4	75.3	2.1	75.5
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	5.7	5.7	5.3	0.2	0.3	0.0	0.0
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	19.8	19.1	12.5	4.6	1.6	0.4	0.7
Pembinaan *Construction*	141.8	138.7	88.4	41.9	8.2	0.2	3.2
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	1,312.3	1,255.9	814.6	353.1	80.3	8.0	56.3
Pengangkutan dan penyimpanan *Transportation and storage*	153.0	148.8	103.4	33.6	11.6	0.2	4.1
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	799.6	664.0	453.0	146.2	55.0	9.8	135.6
Maklumat dan komunikasi *Information and communication*	80.0	79.7	52.6	19.4	7.5	0.1	0.3
Aktiviti kewangan dan insurans/takaful *Financial and insurance/takaful activities*	206.9	206.6	122.5	64.7	18.7	0.7	0.3
Aktiviti hartanah *Real estate activities*	33.8	33.8	15.1	17.1	1.5	0.0	0.0
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	180.9	179.2	99.9	61.5	17.7	0.2	1.6
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	361.6	309.3	195.1	66.7	40.7	6.8	52.2
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	234.8	233.8	190.8	35.4	5.6	2.1	1.0
Pendidikan *Education*	615.8	612.9	456.4	102.6	49.9	4.0	2.9
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	372.4	365.8	270.0	73.2	20.8	1.8	6.6
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	30.7	27.0	19.0	5.5	1.9	0.7	3.6
Aktiviti perkhidmatan lain *Other service activities*	126.0	118.8	65.0	38.7	14.5	0.6	7.2
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	62.9	8.9	4.3	3.3	1.0	0.2	54.0

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.14: **Penduduk bekerja mengikut industri, kumpulan etnik dan jantina, Malaysia, 2022 (samb.)**
Table A4.14: *Employed persons by industry, ethnic group and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*

Industry *Industri*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah [1] **(%)** *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	5.3	3.6	4.3	2.1	1.5	7.0	22.9
Perlombongan dan pengkuarian *Mining and quarrying*	0.5	0.6	0.6	0.4	1.1	0.1	0.1
Pembuatan *Manufacturing*	15.0	15.1	14.7	15.7	17.8	5.2	14.4
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	0.1	0.1	0.1	0.0	0.1	0.0	0.0
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	0.3	0.4	0.3	0.4	0.4	1.0	0.1
Pembinaan *Construction*	2.4	2.5	2.4	3.2	1.9	0.4	0.6
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	21.9	23.0	22.1	27.1	19.0	19.6	10.7
Pengangkutan dan penyimpanan *Transportation and storage*	2.6	2.7	2.8	2.6	2.7	0.6	0.8
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	13.4	12.2	12.3	11.2	13.0	24.1	25.8
Maklumat dan komunikasi *Information and communication*	1.3	1.5	1.4	1.5	1.8	0.3	0.1
Aktiviti kewangan dan insurans/takaful *Financial and insurance/takaful activities*	3.5	3.8	3.3	5.0	4.4	1.6	0.1
Aktiviti hartanah *Real estate activities*	0.6	0.6	0.4	1.3	0.4	0.0	0.0
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	3.0	3.3	2.7	4.7	4.2	0.4	0.3
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	6.0	5.7	5.3	5.1	9.6	16.7	9.9
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	3.9	4.3	5.2	2.7	1.3	5.3	0.2
Pendidikan *Education*	10.3	11.2	12.4	7.9	11.8	9.7	0.6
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	6.2	6.7	7.3	5.6	4.9	4.4	1.2
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	0.5	0.5	0.5	0.4	0.4	1.6	0.7
Aktiviti perkhidmatan lain *Other service activities*	2.1	2.2	1.8	3.0	3.4	1.4	1.4
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	1.1	0.2	0.1	0.3	0.2	0.5	10.3

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.15: **Penduduk bekerja mengikut industri, kumpulan etnik dan strata, Malaysia, 2022**
Table A4.15: *Employed persons by industry, ethnic group and strata, Malaysia, 2022*

Bandar/*Urban*

Industry *Industri*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah [1] **('000)** *Total*	**12,543.6**	**11,315.1**	**7,164.3**	**3,121.6**	**965.6**	**63.5**	**1,228.5**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	626.3	428.3	295.8	112.6	17.4	2.5	198.0
Perlombongan dan pengkuarian *Mining and quarrying*	73.0	70.1	50.6	13.0	6.3	0.2	2.9
Pembuatan *Manufacturing*	2,223.3	1,919.1	1,178.2	527.6	199.5	13.9	304.1
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	67.2	67.0	43.7	20.1	3.0	0.1	0.3
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	73.2	70.2	45.0	9.7	14.4	1.1	3.0
Pembinaan *Construction*	933.5	781.2	487.4	245.6	43.7	4.5	152.3
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	2,555.3	2,351.1	1,308.9	865.6	163.9	12.7	204.2
Pengangkutan dan penyimpanan *Transportation and storage*	627.8	608.4	400.8	119.9	87.5	0.3	19.4
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	1,310.2	1,159.2	732.4	333.1	83.5	10.2	151.0
Maklumat dan komunikasi *Information and communication*	225.1	219.2	122.6	73.2	23.3	0.1	5.8
Aktiviti kewangan dan insurans/takaful *Financial and insurance/takaful activities*	373.8	372.6	200.5	125.9	45.5	0.6	1.2
Aktiviti hartanah *Real estate activities*	80.0	79.1	28.8	38.5	11.6	0.2	0.9
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	344.0	336.8	187.8	115.8	33.0	0.2	7.1
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	709.3	617.2	413.5	114.3	82.5	7.0	92.0
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	636.7	635.3	568.3	45.6	19.9	1.4	1.4
Pendidikan *Education*	791.5	781.4	578.5	134.6	63.9	4.4	10.1
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	524.6	516.6	342.5	136.0	36.0	2.1	8.0
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	55.8	48.9	33.4	9.9	4.7	0.9	6.9
Aktiviti perkhidmatan lain *Other service activities*	255.9	240.8	139.4	76.2	24.4	0.9	15.1
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	57.1	12.5	6.2	4.5	1.6	0.2	44.7

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.15: **Penduduk bekerja mengikut industri, kumpulan etnik dan strata, Malaysia, 2022**
Table A4.15: *Employed persons by industry, ethnic group and strata, Malaysia, 2022*

Bandar/*Urban*

Industry *Industri*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah [1] **(%)** *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	5.0	3.8	4.1	3.6	1.8	3.9	16.1
Perlombongan dan pengkuarian *Mining and quarrying*	0.6	0.6	0.7	0.4	0.6	0.4	0.2
Pembuatan *Manufacturing*	17.7	17.0	16.4	16.9	20.7	21.9	24.8
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	0.5	0.6	0.6	0.6	0.3	0.2	0.0
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	0.6	0.6	0.6	0.3	1.5	1.8	0.2
Pembinaan *Construction*	7.4	6.9	6.8	7.9	4.5	7.1	12.4
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	20.4	20.8	18.3	27.7	17.0	20.0	16.6
Pengangkutan dan penyimpanan *Transportation and storage*	5.0	5.4	5.6	3.8	9.1	0.5	1.6
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	10.4	10.2	10.2	10.7	8.6	16.1	12.3
Maklumat dan komunikasi *Information and communication*	1.8	1.9	1.7	2.3	2.4	0.1	0.5
Aktiviti kewangan dan insurans/takaful *Financial and insurance/takaful activities*	3.0	3.3	2.8	4.0	4.7	0.9	0.1
Aktiviti hartanah *Real estate activities*	0.6	0.7	0.4	1.2	1.2	0.3	0.1
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	2.7	3.0	2.6	3.7	3.4	0.3	0.6
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	5.7	5.5	5.8	3.7	8.5	11.0	7.5
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	5.1	5.6	7.9	1.5	2.1	2.3	0.1
Pendidikan *Education*	6.3	6.9	8.1	4.3	6.6	6.9	0.8
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	4.2	4.6	4.8	4.4	3.7	3.3	0.7
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	0.4	0.4	0.5	0.3	0.5	1.4	0.6
Aktiviti perkhidmatan lain *Other service activities*	2.0	2.1	1.9	2.4	2.5	1.4	1.2
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	0.5	0.1	0.1	0.1	0.2	0.4	3.6

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.15: **Penduduk bekerja mengikut industri, kumpulan etnik dan strata, Malaysia, 2022 (samb.)**
Table A4.15 *Employed persons by industry, ethnic group and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*

Industry *Industri*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah [1] **('000)** *Total*	**2,848.0**	**2,298.7**	**2,083.5**	**147.6**	**42.7**	**24.7**	**549.4**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	914.6	612.3	564.5	31.5	7.6	8.7	302.2
Perlombongan dan pengkuarian *Mining and quarrying*	11.3	8.8	7.8	0.7	0.2	0.1	2.5
Pembuatan *Manufacturing*	367.4	291.4	257.1	19.6	10.2	4.6	76.0
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	11.8	11.8	11.1	0.4	0.2	0.1	0.1
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	15.1	15.1	13.7	0.8	0.5	0.2	0.0
Pembinaan *Construction*	236.9	184.5	170.5	11.1	2.0	0.8	52.4
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	377.3	348.6	296.5	39.6	7.2	5.4	28.7
Pengangkutan dan penyimpanan *Transportation and storage*	83.6	82.3	74.8	4.5	2.8	0.2	1.3
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	237.5	180.3	162.4	13.9	2.6	1.4	57.2
Maklumat dan komunikasi *Information and communication*	11.4	10.6	9.2	1.0	0.4	0.0	0.8
Aktiviti kewangan dan insurans/takaful *Financial and insurance/takaful activities*	23.4	23.4	19.8	2.5	1.0	0.1	0.0
Aktiviti hartanah *Real estate activities*	3.7	3.7	2.8	0.8	0.2	0.0	0.0
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	21.7	21.5	18.6	2.7	0.2	0.0	0.2
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	153.1	144.8	135.5	5.0	3.8	0.4	8.4
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	111.0	111.0	108.0	1.5	0.6	0.8	0.0
Pendidikan *Education*	152.2	151.6	142.5	7.0	1.8	0.4	0.6
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	74.4	68.3	64.4	2.2	0.9	0.7	6.1
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	7.7	5.5	4.6	0.2	0.0	0.6	2.2
Aktiviti perkhidmatan lain *Other service activities*	23.1	21.8	18.5	2.6	0.4	0.3	1.3
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	10.7	1.3	1.3	0.0	0.0	0.0	9.4

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.15: **Penduduk bekerja mengikut industri, kumpulan etnik dan strata, Malaysia, 2022 (samb.)**
Table A4.15: *Employed persons by industry, ethnic group and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*

Industry *Industri*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah [1] **(%)** *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	32.1	26.6	27.1	21.4	17.8	35.3	55.0
Perlombongan dan pengkuarian *Mining and quarrying*	0.4	0.4	0.4	0.5	0.5	0.2	0.5
Pembuatan *Manufacturing*	12.9	12.7	12.3	13.2	23.9	18.5	13.8
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	0.4	0.5	0.5	0.3	0.4	0.3	0.0
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	0.5	0.7	0.7	0.6	1.1	0.6	0.0
Pembinaan *Construction*	8.3	8.0	8.2	7.5	4.8	3.4	9.5
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	13.2	15.2	14.2	26.9	16.8	21.7	5.2
Pengangkutan dan penyimpanan *Transportation and storage*	2.9	3.6	3.6	3.1	6.6	0.6	0.2
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	8.3	7.8	7.8	9.4	6.2	5.6	10.4
Maklumat dan komunikasi *Information and communication*	0.4	0.5	0.4	0.7	0.9	0.2	0.1
Aktiviti kewangan dan insurans/takaful *Financial and insurance/takaful activities*	0.8	1.0	0.9	1.7	2.3	0.3	0.0
Aktiviti hartanah *Real estate activities*	0.1	0.2	0.1	0.5	0.4	0.0	0.0
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	0.8	0.9	0.9	1.8	0.4	0.0	0.0
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	5.4	6.3	6.5	3.4	9.0	1.8	1.5
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	3.9	4.8	5.2	1.0	1.5	3.3	0.0
Pendidikan *Education*	5.3	6.6	6.8	4.7	4.2	1.5	0.1
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	2.6	3.0	3.1	1.5	2.1	2.8	1.1
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	0.3	0.2	0.2	0.1	0.1	2.5	0.4
Aktiviti perkhidmatan lain *Other service activities*	0.8	0.9	0.9	1.7	1.0	1.4	0.2
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	0.4	0.1	0.1	0.0	0.0	0.0	1.7

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.16: **Penduduk bekerja mengikut industri dan kumpulan umur, Malaysia, 2022**
Table A4.16: *Employed persons by industry and age group, Malaysia, 2022*

Industry *Industri*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah [1] ('000) *Total*	**15,391.7**	**596.0**	**1,820.1**	**2,646.0**	**2,478.8**	**2,190.1**	**1,743.4**	**1,408.6**	**1,185.6**	**873.5**	**449.6**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	1,540.8	59.7	208.7	255.8	218.9	170.4	134.1	136.0	122.8	123.5	110.9
Perlombongan dan pengkuarian *Mining and quarrying*	84.3	0.9	9.9	12.1	23.7	12.4	9.8	3.9	6.6	3.3	1.8
Pembuatan *Manufacturing*	2,590.7	83.4	388.7	530.4	412.3	327.6	276.8	223.9	188.0	118.7	40.9
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	79.1	1.3	4.2	22.5	12.4	12.8	7.1	4.9	7.2	5.0	1.6
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	88.3	1.1	8.5	10.0	16.7	13.8	9.3	9.3	10.1	7.3	2.3
Pembinaan *Construction*	1,170.5	34.0	107.6	159.0	189.0	173.9	139.9	137.2	98.7	85.1	46.1
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	2,932.6	185.7	461.5	578.4	408.4	415.6	278.3	205.8	192.8	122.0	84.1
Pengangkutan dan penyimpanan *Transportation and storage*	711.4	11.9	64.3	116.0	102.9	97.2	98.3	80.1	63.0	52.9	24.9
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	1,547.7	141.1	202.1	272.1	238.9	188.4	129.0	124.7	112.6	83.7	55.2
Maklumat dan komunikasi *Information and communication*	236.4	2.9	20.0	44.3	51.3	43.6	32.5	25.0	9.7	5.6	1.5
Aktiviti kewangan dan insurans/ takaful *Financial and insurance/takaful activities*	397.2	3.6	16.7	64.5	68.6	61.8	75.4	48.3	36.7	16.7	4.8
Aktiviti hartanah *Real estate activities*	83.7	0.9	4.6	12.6	12.9	11.4	19.3	7.2	8.9	4.7	1.4
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	365.7	5.8	27.4	76.2	68.4	53.7	48.8	35.5	25.4	15.8	8.7
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	862.4	30.2	124.6	117.8	146.0	105.2	89.4	79.5	72.6	61.7	35.2
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	747.7	0.0	23.5	88.0	148.7	175.4	112.7	73.4	62.9	57.5	5.6
Pendidikan *Education*	943.7	8.5	47.6	106.5	156.6	146.5	162.2	130.4	105.1	72.3	8.1
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	599.0	8.2	44.7	101.8	142.3	117.7	77.6	45.1	32.2	22.5	6.8
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	63.5	3.4	7.4	11.4	9.0	7.4	12.2	5.4	3.6	1.9	1.8
Aktiviti perkhidmatan lain *Other service activities*	279.0	5.8	35.9	56.0	41.3	46.9	25.2	28.9	21.7	10.8	6.5
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	67.8	7.8	12.2	10.7	10.4	8.4	5.5	4.1	5.1	2.5	1.1

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.16: **Penduduk bekerja mengikut industri dan kumpulan umur, Malaysia, 2022 (samb.)**
Table A4.16: *Employed persons by industry and age group, Malaysia, 2022 (cont'd)*

Industry *Industri*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah [1] (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	10.0	10.0	11.5	9.7	8.8	7.8	7.7	9.7	10.4	14.1	24.7
Perlombongan dan pengkuarian *Mining and quarrying*	0.5	0.1	0.5	0.5	1.0	0.6	0.6	0.3	0.6	0.4	0.4
Pembuatan *Manufacturing*	16.8	14.0	21.4	20.0	16.6	15.0	15.9	15.9	15.9	13.6	9.1
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	0.5	0.2	0.2	0.8	0.5	0.6	0.4	0.3	0.6	0.6	0.4
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	0.6	0.2	0.5	0.4	0.7	0.6	0.5	0.7	0.8	0.8	0.5
Pembinaan *Construction*	7.6	5.7	5.9	6.0	7.6	7.9	8.0	9.7	8.3	9.7	10.2
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	19.1	31.2	25.4	21.9	16.5	19.0	16.0	14.6	16.3	14.0	18.7
Pengangkutan dan penyimpanan *Transportation and storage*	4.6	2.0	3.5	4.4	4.2	4.4	5.6	5.7	5.3	6.1	5.5
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	10.1	23.7	11.1	10.3	9.6	8.6	7.4	8.9	9.5	9.6	12.3
Maklumat dan komunikasi *Information and communication*	1.5	0.5	1.1	1.7	2.1	2.0	1.9	1.8	0.8	0.6	0.3
Aktiviti kewangan dan insurans/takaful *Financial and insurance/takaful activities*	2.6	0.6	0.9	2.4	2.8	2.8	4.3	3.4	3.1	1.9	1.1
Aktiviti hartanah *Real estate activities*	0.5	0.1	0.3	0.5	0.5	0.5	1.1	0.5	0.8	0.5	0.3
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	2.4	1.0	1.5	2.9	2.8	2.5	2.8	2.5	2.1	1.8	1.9
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	5.6	5.1	6.8	4.5	5.9	4.8	5.1	5.6	6.1	7.1	7.8
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	4.9	0.0	1.3	3.3	6.0	8.0	6.5	5.2	5.3	6.6	1.2
Pendidikan *Education*	6.1	1.4	2.6	4.0	6.3	6.7	9.3	9.3	8.9	8.3	1.8
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	3.9	1.4	2.5	3.8	5.7	5.4	4.4	3.2	2.7	2.6	1.5
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	0.4	0.6	0.4	0.4	0.4	0.3	0.7	0.4	0.3	0.2	0.4
Aktiviti perkhidmatan lain *Other service activities*	1.8	1.0	2.0	2.1	1.7	2.1	1.4	2.1	1.8	1.2	1.4
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	0.4	1.3	0.7	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.3

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.17: **Penduduk bekerja mengikut industri, kumpulan umur dan jantina, Malaysia, 2022**
Table A4.17: *Employed persons by industry, age group and sex, Malaysia, 2022*

Lelaki/*Male*

Industry *Industri*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah [1] ('000) *Total*	**9,405.4**	**360.7**	**1,129.3**	**1,530.3**	**1,436.4**	**1,301.7**	**1,045.9**	**878.6**	**755.1**	**617.0**	**350.4**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	1,223.4	51.5	152.9	197.0	183.8	142.0	110.7	107.5	93.3	93.5	91.2
Perlombongan dan pengkuarian *Mining and quarrying*	52.6	0.5	6.3	5.9	10.5	8.2	8.0	3.2	5.4	2.9	1.7
Pembuatan *Manufacturing*	1,691.5	62.9	252.6	346.7	279.6	206.8	169.5	138.6	118.9	85.2	30.8
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	73.3	1.3	4.0	21.4	11.2	11.8	6.8	4.7	6.0	4.7	1.5
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	68.5	1.0	7.2	8.4	11.1	11.8	6.0	7.0	7.1	6.6	2.3
Pembinaan *Construction*	1,028.6	30.3	95.0	127.5	167.0	152.2	121.1	123.0	92.3	78.6	41.5
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	1,620.4	106.9	257.9	284.6	209.0	212.9	165.1	118.4	117.7	82.6	65.3
Pengangkutan dan penyimpanan *Transportation and storage*	558.4	8.5	52.7	83.5	83.5	81.6	63.8	62.2	53.7	45.0	23.7
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	748.2	61.6	124.3	133.9	92.5	79.1	62.4	62.5	53.2	47.9	30.8
Maklumat dan komunikasi *Information and communication*	156.4	1.3	12.8	27.0	40.3	26.6	21.2	17.1	4.1	4.6	1.4
Aktiviti kewangan dan insurans/ takaful *Financial and insurance/takaful activities*	190.3	1.7	7.5	30.9	29.0	26.5	37.0	24.8	18.6	10.7	3.7
Aktiviti hartanah *Real estate activities*	50.0	0.9	2.2	6.0	6.4	6.9	13.9	4.2	5.0	3.3	1.2
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	184.9	3.5	13.6	34.3	29.9	26.9	24.8	20.8	14.7	8.9	7.5
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	500.9	15.3	79.3	66.5	71.8	60.2	52.0	47.0	44.5	37.8	26.4
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	513.0	0.0	15.6	63.2	88.3	114.6	78.0	52.1	47.0	48.9	5.2
Pendidikan *Education*	327.9	4.7	7.6	34.0	43.4	52.1	56.7	47.2	43.4	33.4	5.4
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	226.6	3.0	10.8	32.1	49.4	49.8	29.7	18.9	17.8	11.0	4.1
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	32.9	1.9	4.8	4.7	4.4	4.8	3.9	2.8	2.6	1.8	1.1
Aktiviti perkhidmatan lain *Other service activities*	153.0	4.1	21.9	22.2	25.0	26.4	14.9	16.3	9.1	8.2	5.1
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	4.9	0.0	0.4	0.5	0.4	0.4	0.4	0.3	0.7	1.4	0.4

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.17: **Penduduk bekerja mengikut industri, kumpulan umur dan jantina, Malaysia, 2022 (samb.)**
Table A4.17: *Employed persons by industry, age group and sex, Malaysia, 2022 (cont'd)*

Lelaki/*Male*											
Industry *Industri*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah [1] (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	13.0	14.3	13.5	12.9	12.8	10.9	10.6	12.2	12.4	15.2	26.0
Perlombongan dan pengkuarian *Mining and quarrying*	0.6	0.1	0.6	0.4	0.7	0.6	0.8	0.4	0.7	0.5	0.5
Pembuatan *Manufacturing*	18.0	17.4	22.4	22.7	19.5	15.9	16.2	15.8	15.7	13.8	8.8
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	0.8	0.4	0.4	1.4	0.8	0.9	0.6	0.5	0.8	0.8	0.4
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	0.7	0.3	0.6	0.5	0.8	0.9	0.6	0.8	0.9	1.1	0.6
Pembinaan *Construction*	10.9	8.4	8.4	8.3	11.6	11.7	11.6	14.0	12.2	12.7	11.9
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	17.2	29.6	22.8	18.6	14.6	16.4	15.8	13.5	15.6	13.4	18.6
Pengangkutan dan penyimpanan *Transportation and storage*	5.9	2.4	4.7	5.5	5.8	6.3	6.1	7.1	7.1	7.3	6.8
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	8.0	17.1	11.0	8.7	6.4	6.1	6.0	7.1	7.1	7.8	8.8
Maklumat dan komunikasi *Information and communication*	1.7	0.4	1.1	1.8	2.8	2.0	2.0	1.9	0.5	0.7	0.4
Aktiviti kewangan dan insurans/takaful *Financial and insurance/takaful activities*	2.0	0.5	0.7	2.0	2.0	2.0	3.5	2.8	2.5	1.7	1.1
Aktiviti hartanah *Real estate activities*	0.5	0.2	0.2	0.4	0.4	0.5	1.3	0.5	0.7	0.5	0.3
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	2.0	1.0	1.2	2.2	2.1	2.1	2.4	2.4	2.0	1.4	2.1
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	5.3	4.3	7.0	4.3	5.0	4.6	5.0	5.3	5.9	6.1	7.5
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	5.5	0.0	1.4	4.1	6.1	8.8	7.5	5.9	6.2	7.9	1.5
Pendidikan *Education*	3.5	1.3	0.7	2.2	3.0	4.0	5.4	5.4	5.7	5.4	1.5
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	2.4	0.8	1.0	2.1	3.4	3.8	2.8	2.2	2.4	1.8	1.2
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	0.3	0.5	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3
Aktiviti perkhidmatan lain *Other service activities*	1.6	1.1	1.9	1.4	1.7	2.0	1.4	1.9	1.2	1.3	1.4
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.17: **Penduduk bekerja mengikut industri, kumpulan umur dan jantina, Malaysia, 2022 (samb.)**
Table A4.17: *Employed persons by industry, age group and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*											
Industry *Industri*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah [1] ('000) *Total*	**5,986.2**	**235.3**	**690.8**	**1,115.6**	**1,042.3**	**888.4**	**697.5**	**530.0**	**430.5**	**256.5**	**99.2**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	317.5	8.2	55.8	58.8	35.2	28.4	23.4	28.5	29.5	30.0	19.8
Perlombongan dan pengkuarian *Mining and quarrying*	31.7	0.4	3.6	6.2	13.2	4.3	1.8	0.7	1.1	0.4	0.1
Pembuatan *Manufacturing*	899.2	20.5	136.2	183.8	132.7	120.8	107.3	85.3	69.1	33.5	10.1
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	5.7	0.0	0.2	1.0	1.2	1.0	0.4	0.2	1.2	0.3	0.2
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	19.8	0.1	1.2	1.6	5.6	2.0	3.3	2.3	3.0	0.7	0.1
Pembinaan *Construction*	141.8	3.7	12.6	31.5	22.0	21.6	18.8	14.1	6.4	6.5	4.5
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	1,312.3	78.8	203.6	293.8	199.4	202.7	113.2	87.4	75.1	39.4	18.8
Pengangkutan dan penyimpanan *Transportation and storage*	153.0	3.3	11.6	32.5	19.4	15.5	34.4	17.9	9.3	7.9	1.1
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	799.6	79.6	77.8	138.2	146.4	109.2	66.7	62.1	59.3	35.8	24.4
Maklumat dan komunikasi *Information and communication*	80.0	1.5	7.2	17.3	11.0	17.0	11.4	7.9	5.6	1.0	0.1
Aktiviti kewangan dan insurans/takaful *Financial and insurance/takaful activities*	206.9	1.9	9.3	33.5	39.7	35.3	38.4	23.5	18.1	6.0	1.2
Aktiviti hartanah *Real estate activities*	33.8	0.0	2.4	6.6	6.4	4.5	5.4	3.0	3.9	1.4	0.2
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	180.9	2.4	13.9	41.9	38.5	26.8	24.0	14.7	10.7	6.9	1.2
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	361.6	14.9	45.3	51.3	74.2	45.0	37.4	32.5	28.1	23.9	8.8
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	234.8	0.0	7.8	24.9	60.4	60.9	34.7	21.3	15.9	8.6	0.3
Pendidikan *Education*	615.8	3.8	40.0	72.4	113.2	94.4	105.4	83.2	61.7	38.9	2.8
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	372.4	5.2	34.0	69.7	92.9	68.0	47.9	26.2	14.3	11.5	2.7
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	30.7	1.5	2.5	6.7	4.6	2.5	8.3	2.6	1.1	0.2	0.7
Aktiviti perkhidmatan lain *Other service activities*	126.0	1.7	14.0	33.8	16.3	20.6	10.4	12.6	12.6	2.6	1.4
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	62.9	7.8	11.8	10.1	10.0	8.0	5.1	3.8	4.5	1.2	0.7

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.17: **Penduduk bekerja mengikut industri, kumpulan umur dan jantina, Malaysia, 2022 (samb.)**
Table A4.17: *Employed persons by industry, age group and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*											
Industry *Industri*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah [1] (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	5.3	3.5	8.1	5.3	3.4	3.2	3.4	5.4	6.8	11.7	19.9
Perlombongan dan pengkuarian *Mining and quarrying*	0.5	0.2	0.5	0.6	1.3	0.5	0.3	0.1	0.3	0.2	0.1
Pembuatan *Manufacturing*	15.0	8.7	19.7	16.5	12.7	13.6	15.4	16.1	16.1	13.1	10.2
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.3	0.1	0.2
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	0.3	0.0	0.2	0.1	0.5	0.2	0.5	0.4	0.7	0.3	0.1
Pembinaan *Construction*	2.4	1.6	1.8	2.8	2.1	2.4	2.7	2.7	1.5	2.5	4.6
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	21.9	33.5	29.5	26.3	19.1	22.8	16.2	16.5	17.5	15.3	19.0
Pengangkutan dan penyimpanan *Transportation and storage*	2.6	1.4	1.7	2.9	1.9	1.7	4.9	3.4	2.2	3.1	1.1
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	13.4	33.8	11.3	12.4	14.0	12.3	9.6	11.7	13.8	14.0	24.6
Maklumat dan komunikasi *Information and communication*	1.3	0.7	1.0	1.6	1.1	1.9	1.6	1.5	1.3	0.4	0.1
Aktiviti kewangan dan insurans/takaful *Financial and insurance/takaful activities*	3.5	0.8	1.3	3.0	3.8	4.0	5.5	4.4	4.2	2.4	1.2
Aktiviti hartanah *Real estate activities*	0.6	0.0	0.3	0.6	0.6	0.5	0.8	0.6	0.9	0.5	0.2
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	3.0	1.0	2.0	3.8	3.7	3.0	3.4	2.8	2.5	2.7	1.2
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	6.0	6.3	6.6	4.6	7.1	5.1	5.4	6.1	6.5	9.3	8.9
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	3.9	0.0	1.1	2.2	5.8	6.9	5.0	4.0	3.7	3.4	0.3
Pendidikan *Education*	10.3	1.6	5.8	6.5	10.9	10.6	15.1	15.7	14.3	15.2	2.8
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	6.2	2.2	4.9	6.3	8.9	7.7	6.9	4.9	3.3	4.5	2.8
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	0.5	0.6	0.4	0.6	0.4	0.3	1.2	0.5	0.2	0.1	0.7
Aktiviti perkhidmatan lain *Other service activities*	2.1	0.7	2.0	3.0	1.6	2.3	1.5	2.4	2.9	1.0	1.4
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	1.1	3.3	1.7	0.9	1.0	0.9	0.7	0.7	1.0	0.4	0.7

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.18: **Penduduk bekerja mengikut industri, kumpulan umur dan strata, Malaysia, 2022**
Table A4.18: *Employed persons by industry, age group and strata, Malaysia, 2022*

Bandar/*Urban*											
Industri *Industry*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah [1] ('000) *Total*	**12,543.6**	**449.1**	**1,436.8**	**2,144.5**	**2,068.4**	**1,837.7**	**1,476.0**	**1,161.3**	**965.8**	**694.7**	**309.3**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	626.3	41.9	118.2	129.1	85.2	47.3	41.7	45.1	37.0	45.5	35.3
Perlombongan dan pengkuarian *Mining and quarrying*	73.0	0.4	8.6	9.9	21.4	11.2	8.7	2.9	5.9	2.5	1.7
Pembuatan *Manufacturing*	2,223.3	63.5	304.2	448.4	363.6	291.1	249.1	201.5	167.4	102.8	31.7
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	67.2	0.9	2.9	19.9	9.7	11.4	6.3	4.1	6.4	4.6	1.0
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	73.2	0.8	7.3	7.1	13.3	11.7	7.4	8.5	9.0	6.3	1.8
Pembinaan *Construction*	933.5	13.3	73.8	117.3	158.1	146.5	118.2	116.7	82.1	71.5	36.1
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	2,555.3	150.2	382.7	508.0	354.1	376.0	252.9	183.1	174.4	107.5	66.3
Pengangkutan dan penyimpanan *Transportation and storage*	627.8	8.3	56.0	100.7	87.7	84.8	90.5	73.3	56.7	48.3	21.5
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	1,310.2	114.4	169.0	203.4	217.5	167.8	111.7	107.6	98.8	72.0	48.0
Maklumat dan komunikasi *Information and communication*	225.1	1.7	18.7	41.6	49.1	42.0	31.6	24.5	9.3	5.4	1.3
Aktiviti kewangan dan insurans/takaful *Financial and insurance/takaful activities*	373.8	2.5	15.0	59.7	64.5	58.8	73.6	46.2	34.3	15.4	3.8
Aktiviti hartanah *Real estate activities*	80.0	0.6	3.3	12.0	12.3	11.2	19.1	6.8	8.8	4.6	1.4
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	344.0	3.8	23.9	72.1	64.5	51.2	47.1	34.0	24.5	14.9	8.1
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	709.3	25.4	105.6	94.2	125.4	87.0	75.7	61.3	56.5	51.8	26.3
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	636.7	0.0	18.3	72.2	127.0	153.3	96.5	63.6	53.3	48.3	4.1
Pendidikan *Education*	791.5	7.1	42.4	91.7	131.5	121.7	137.8	107.5	85.0	59.6	7.2
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	524.6	5.0	39.3	87.1	126.9	105.2	68.1	39.3	28.1	19.9	5.6
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	55.8	2.9	6.2	9.7	7.9	6.6	11.6	4.7	3.3	1.5	1.6
Aktiviti perkhidmatan lain *Other service activities*	255.9	4.6	31.8	50.2	38.7	44.7	23.3	26.8	20.2	10.0	5.5
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	57.1	1.9	9.5	10.3	10.1	8.4	5.1	3.7	4.9	2.3	1.0

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.18: **Penduduk bekerja mengikut industri, kumpulan umur dan strata, Malaysia, 2022 (samb.)**
Table A4.18: *Employed persons by industry, age group and strata, Malaysia, 2022 (cont'd)*

Bandar/*Urban*											
Industri *Industry*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah [1] **(%)** *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	5.0	9.3	8.2	6.0	4.1	2.6	2.8	3.9	3.8	6.6	11.4
Perlombongan dan pengkuarian *Mining and quarrying*	0.6	0.1	0.6	0.5	1.0	0.6	0.6	0.2	0.6	0.4	0.5
Pembuatan *Manufacturing*	17.7	14.1	21.2	20.9	17.6	15.8	16.9	17.4	17.3	14.8	10.3
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	0.5	0.2	0.2	0.9	0.5	0.6	0.4	0.3	0.7	0.7	0.3
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	0.6	0.2	0.5	0.3	0.6	0.6	0.5	0.7	0.9	0.9	0.6
Pembinaan *Construction*	7.4	3.0	5.1	5.5	7.6	8.0	8.0	10.1	8.5	10.3	11.7
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	20.4	33.4	26.6	23.7	17.1	20.5	17.1	15.8	18.1	15.5	21.4
Pengangkutan dan penyimpanan *Transportation and storage*	5.0	1.9	3.9	4.7	4.2	4.6	6.1	6.3	5.9	7.0	6.9
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	10.4	25.5	11.8	9.5	10.5	9.1	7.6	9.3	10.2	10.4	15.5
Maklumat dan komunikasi *Information and communication*	1.8	0.4	1.3	1.9	2.4	2.3	2.1	2.1	1.0	0.8	0.4
Aktiviti kewangan dan insurans/takaful *Financial and insurance/takaful activities*	3.0	0.6	1.0	2.8	3.1	3.2	5.0	4.0	3.6	2.2	1.2
Aktiviti hartanah *Real estate activities*	0.6	0.1	0.2	0.6	0.6	0.6	1.3	0.6	0.9	0.7	0.4
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	2.7	0.8	1.7	3.4	3.1	2.8	3.2	2.9	2.5	2.1	2.6
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	5.7	5.7	7.4	4.4	6.1	4.7	5.1	5.3	5.9	7.5	8.5
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	5.1	0.0	1.3	3.4	6.1	8.3	6.5	5.5	5.5	7.0	1.3
Pendidikan *Education*	6.3	1.6	3.0	4.3	6.4	6.6	9.3	9.3	8.8	8.6	2.3
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	4.2	1.1	2.7	4.1	6.1	5.7	4.6	3.4	2.9	2.9	1.8
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	0.4	0.6	0.4	0.5	0.4	0.4	0.8	0.4	0.3	0.2	0.5
Aktiviti perkhidmatan lain *Other service activities*	2.0	1.0	2.2	2.3	1.9	2.4	1.6	2.3	2.1	1.4	1.8
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	0.5	0.4	0.7	0.5	0.5	0.5	0.3	0.3	0.5	0.3	0.3

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.18: **Penduduk bekerja mengikut industri, kumpulan umur dan strata, Malaysia, 2022 (samb.)**
Table A4.18: *Employed persons by industry, age group and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*

Industri *Industry*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah [1] ('000) *Total*	**2,848.0**	**146.9**	**383.3**	**501.5**	**410.4**	**352.4**	**267.4**	**247.3**	**219.8**	**178.8**	**140.3**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	914.6	17.8	90.5	126.7	133.7	123.1	92.4	90.9	85.8	78.0	75.6
Perlombongan dan pengkuarian *Mining and quarrying*	11.3	0.5	1.2	2.2	2.3	1.2	1.1	1.1	0.7	0.8	0.1
Pembuatan *Manufacturing*	367.4	19.9	84.6	82.1	48.7	36.4	27.7	22.3	20.6	15.9	9.2
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	11.8	0.4	1.3	2.6	2.7	1.5	0.8	0.8	0.7	0.4	0.7
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	15.1	0.3	1.2	2.9	3.4	2.2	1.9	0.9	1.1	1.0	0.5
Pembinaan *Construction*	236.9	20.8	33.8	41.8	30.9	27.4	21.7	20.5	16.6	13.6	9.9
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	377.3	35.5	78.8	70.4	54.3	39.6	25.4	22.7	18.4	14.5	17.8
Pengangkutan dan penyimpanan *Transportation and storage*	83.6	3.5	8.3	15.4	15.2	12.3	7.8	6.7	6.3	4.6	3.4
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	237.5	26.7	33.1	68.7	21.4	20.6	17.3	17.1	13.8	11.6	7.2
Maklumat dan komunikasi *Information and communication*	11.4	1.2	1.3	2.7	2.2	1.7	0.9	0.5	0.4	0.3	0.2
Aktiviti kewangan dan insurans/takaful *Financial and insurance/takaful activities*	23.4	1.0	1.8	4.8	4.1	3.0	1.8	2.1	2.4	1.3	1.0
Aktiviti hartanah *Real estate activities*	3.7	0.3	1.3	0.6	0.6	0.3	0.1	0.3	0.1	0.1	0.0
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	21.7	2.1	3.6	4.0	3.9	2.5	1.7	1.5	0.9	0.9	0.6
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	153.1	4.8	19.0	23.7	20.7	18.2	13.8	18.3	16.1	9.9	8.9
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	111.0	0.0	5.1	15.9	21.7	22.1	16.1	9.8	9.6	9.2	1.4
Pendidikan *Education*	152.2	1.4	5.2	14.7	25.1	24.7	24.4	22.9	20.1	12.7	1.0
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	74.4	3.2	5.4	14.7	15.4	12.5	9.5	5.8	4.1	2.7	1.2
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	7.7	0.5	1.2	1.7	1.1	0.8	0.6	0.8	0.4	0.5	0.3
Aktiviti perkhidmatan lain *Other service activities*	23.1	1.1	4.1	5.8	2.6	2.2	1.9	2.1	1.5	0.8	1.0
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	10.7	5.9	2.7	0.3	0.3	0.0	0.4	0.4	0.3	0.2	0.2

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.18: **Penduduk bekerja mengikut industri, kumpulan umur dan strata, Malaysia, 2022 (samb.)**
Table A4.18: *Employed persons by industry, age group and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*

Industri *Industry*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah [1] (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	32.1	12.1	23.6	25.3	32.6	34.9	34.6	36.8	39.0	43.6	53.9
Perlombongan dan pengkuarian *Mining and quarrying*	0.4	0.3	0.3	0.4	0.6	0.4	0.4	0.4	0.3	0.5	0.1
Pembuatan *Manufacturing*	12.9	13.6	22.1	16.4	11.9	10.3	10.4	9.0	9.4	8.9	6.6
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	0.4	0.3	0.3	0.5	0.7	0.4	0.3	0.3	0.3	0.2	0.5
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	0.5	0.2	0.3	0.6	0.8	0.6	0.7	0.3	0.5	0.5	0.4
Pembinaan *Construction*	8.3	14.1	8.8	8.3	7.5	7.8	8.1	8.3	7.6	7.6	7.1
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	13.2	24.2	20.5	14.0	13.2	11.2	9.5	9.2	8.3	8.1	12.7
Pengangkutan dan penyimpanan *Transportation and storage*	2.9	2.4	2.2	3.1	3.7	3.5	2.9	2.7	2.9	2.5	2.4
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	8.3	18.2	8.6	13.7	5.2	5.8	6.5	6.9	6.3	6.5	5.1
Maklumat dan komunikasi *Information and communication*	0.4	0.8	0.4	0.5	0.5	0.5	0.3	0.2	0.2	0.1	0.1
Aktiviti kewangan dan insurans/takaful *Financial and insurance/takaful activities*	0.8	0.7	0.5	1.0	1.0	0.8	0.7	0.8	1.1	0.7	0.7
Aktiviti hartanah *Real estate activities*	0.1	0.2	0.3	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	0.8	1.4	0.9	0.8	1.0	0.7	0.6	0.6	0.4	0.5	0.4
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	5.4	3.3	4.9	4.7	5.0	5.2	5.1	7.4	7.3	5.5	6.3
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	3.9	0.0	1.3	3.2	5.3	6.3	6.0	3.9	4.4	5.2	1.0
Pendidikan *Education*	5.3	1.0	1.4	2.9	6.1	7.0	9.1	9.3	9.1	7.1	0.7
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	2.6	2.2	1.4	2.9	3.7	3.5	3.5	2.3	1.9	1.5	0.9
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.3	0.2
Aktiviti perkhidmatan lain *Other service activities*	0.8	0.8	1.1	1.2	0.6	0.6	0.7	0.9	0.7	0.4	0.7
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	0.4	4.0	0.7	0.1	0.1	0.0	0.1	0.2	0.1	0.1	0.1

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.19: **Penduduk bekerja mengikut taraf pekerjaan, strata dan jantina, Malaysia, 2022**
Table A4.19: Employed persons by status in employment, strata and sex, Malaysia, 2022

Taraf pekerjaan *Status in employment*	**Jumlah** *Total*			**Bandar** *Urban*			**Luar Bandar** *Rural*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
Jumlah ('000) *Total*	**15,391.7**	**9,405.5**	**5,987.2**	**12,544.7**	**7,449.0**	**5,095.7**	**2,848.0**	**1,956.5**	**891.5**
Majikan *Employer*	532.9	425.1	107.8	492.7	391.7	101.1	40.2	33.4	6.8
Pekerja *Employee*	12,047.6	7,113.9	4,933.7	10,078.8	5,782.1	4,296.6	1,968.8	1,331.8	637.1
Bekerja sendiri *Own account worker*	2,325.0	1,685.3	639.7	1,646.5	1,161.6	485.0	678.5	523.8	154.7
Pekerja keluarga tanpa gaji *Unpaid family worker*	487.2	181.2	306.0	326.7	113.6	213.0	160.6	67.6	93.0
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Majikan *Employer*	3.5	4.5	1.8	3.9	5.3	2.0	1.4	1.7	0.8
Pekerja *Employee*	78.3	75.6	82.4	80.3	77.6	84.3	69.1	68.1	71.5
Bekerja sendiri *Own account worker*	15.1	17.9	10.7	13.1	15.6	9.5	23.8	26.8	17.4
Pekerja keluarga tanpa gaji *Unpaid family worker*	3.2	1.9	5.1	2.6	1.5	4.2	5.6	3.5	10.4

Jadual A4.20: **Penduduk bekerja mengikut taraf pekerjaan dan kumpulan etnik, Malaysia, 2022**
Table A4.20: Employed persons by status in employment and ethnic group, Malaysia, 2022

Taraf pekerjaan *Status in employment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**15,391.7**	**13,614.7**	**9,248.3**	**3,269.8**	**1,008.3**	**88.3**	**1,778.0**
Majikan *Employer*	532.9	505.1	191.2	267.8	28.9	17.3	27.8
Pekerja *Employee*	12,047.6	10,511.0	7,101.2	2,474.4	881.2	54.3	1,536.5
Bekerja sendiri *Own account worker*	2,325.0	2,132.1	1,618.3	418.3	82.2	13.3	192.9
Pekerja keluarga tanpa gaji *Unpaid family worker*	487.2	466.5	337.7	109.3	16.1	3.4	20.8
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Majikan *Employer*	3.5	3.7	2.1	8.2	2.9	19.6	1.6
Pekerja *Employee*	78.3	77.2	76.8	75.7	87.4	61.5	86.4
Bekerja sendiri *Own account worker*	15.1	15.7	17.5	12.8	8.2	15.1	10.9
Pekerja keluarga tanpa gaji *Unpaid family worker*	3.2	3.4	3.7	3.3	1.6	3.8	1.2

Jadual A4.21: **Penduduk bekerja mengikut taraf pekerjaan, kumpulan etnik dan jantina, Malaysia, 2022**
Table A4.21: Employed persons by status in employment, ethnic group and sex, Malaysia, 2022

Lelaki/*Male*

Taraf pekerjaan *Status in employment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**9,405.5**	**8,153.6**	**5,555.9**	**1,964.6**	**585.5**	**47.6**	**1,251.8**
Majikan *Employer*	425.1	401.9	133.2	229.3	26.0	13.4	23.1
Pekerja *Employee*	7,113.9	6,037.3	4,142.9	1,370.6	497.8	26.0	1,076.6
Bekerja sendiri *Own account worker*	1,685.3	1,544.8	1,152.1	328.4	57.5	6.8	140.5
Pekerja keluarga tanpa gaji *Unpaid family worker*	181.2	169.6	127.7	36.3	4.3	1.3	11.5
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Majikan *Employer*	4.5	4.9	2.4	11.7	4.4	28.2	1.8
Pekerja *Employee*	75.6	74.0	74.6	69.8	85.0	54.6	86.0
Bekerja sendiri *Own account worker*	17.9	18.9	20.7	16.7	9.8	14.3	11.2
Pekerja keluarga tanpa gaji *Unpaid family worker*	1.9	2.1	2.3	1.8	0.7	2.8	0.9

Jadual A4.21: **Penduduk bekerja mengikut taraf pekerjaan, kumpulan etnik dan jantina, Malaysia, 2022 (samb.)**
Table A4.21: *Employed persons by status in employment, ethnic group and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*

Taraf pekerjaan *Status in employment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**5,987.2**	**5,460.1**	**3,691.9**	**1,304.7**	**422.8**	**40.7**	**526.2**
Majikan *Employer*	107.8	103.2	57.9	38.5	2.9	3.9	4.6
Pekerja *Employee*	4,933.0	4,473.0	2,957.8	1,103.6	383.4	28.3	459.9
Bekerja sendiri *Own account worker*	639.7	587.3	466.2	89.9	24.8	6.5	52.4
Pekerja keluarga tanpa gaji *Unpaid family worker*	305.8	296.6	210.0	72.7	11.8	2.0	9.2
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Majikan *Employer*	1.8	1.9	1.6	3.0	0.7	9.5	0.9
Pekerja *Employee*	82.4	81.9	80.1	84.6	90.7	69.5	87.4
Bekerja sendiri *Own account worker*	10.7	10.8	12.6	6.9	5.9	16.0	10.1
Pekerja keluarga tanpa gaji *Unpaid family worker*	5.1	5.4	5.7	5.6	2.8	5.0	1.8

Jadual A4.22: **Penduduk bekerja mengikut taraf pekerjaan, kumpulan etnik dan strata, Malaysia, 2022**
Table A4.22: *Employed persons by status in employment, ethnic group and strata, Malaysia, 2022*

Bandar/*Urban*							
Taraf pekerjaan *Status in employment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**12,543.7**	**11,315.1**	**7,164.3**	**3,121.6**	**965.6**	**63.5**	**1,228.6**
Majikan *Employer*	492.7	468.5	167.1	259.8	28.0	13.6	24.3
Pekerja *Employee*	10,078.8	9,051.9	5,782.5	2,384.0	844.8	40.6	1,026.1
Bekerja sendiri *Own account worker*	1,646.5	1,483.6	1,021.3	378.6	77.0	6.7	162.9
Pekerja keluarga tanpa gaji *Unpaid family worker*	326.4	311.1	193.4	99.3	15.8	2.6	15.3
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Majikan *Employer*	3.2	4.1	2.3	8.3	2.9	21.5	2.0
Pekerja *Employee*	64.8	80.0	80.7	76.4	87.5	63.9	83.5
Bekerja sendiri *Own account worker*	10.6	13.1	14.3	12.1	8.0	10.6	13.3
Pekerja keluarga tanpa gaji *Unpaid family worker*	2.1	2.7	2.7	3.2	1.6	4.0	1.2

Jadual A4.22: **Penduduk bekerja mengikut taraf pekerjaan, kumpulan etnik dan strata, Malaysia, 2022 (samb.)**
Table A4.22: *Employed persons by status in employment, ethnic group and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*

Taraf pekerjaan *Status in employment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**2,848.0**	**2,298.7**	**2,083.5**	**147.6**	**42.7**	**24.7**	**549.4**
Majikan *Employer*	40.2	36.7	24.1	8.0	0.9	3.7	3.5
Pekerja *Employee*	1,968.8	1,458.4	1,318.2	90.2	36.4	13.7	510.4
Bekerja sendiri *Own account worker*	678.5	648.5	597.0	39.7	5.2	6.6	30.0
Pekerja keluarga tanpa gaji *Unpaid family worker*	160.6	155.1	144.3	9.7	0.3	0.8	5.5
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Majikan *Employer*	1.4	1.6	1.2	5.4	2.1	14.8	0.6
Pekerja *Employee*	69.1	63.4	63.3	61.1	85.1	55.2	92.9
Bekerja sendiri *Own account worker*	23.8	28.2	28.7	26.9	12.1	26.6	5.5
Pekerja keluarga tanpa gaji *Unpaid family worker*	5.6	6.7	6.9	6.6	0.7	3.3	1.0

Jadual A4.23: **Penduduk bekerja mengikut taraf pekerjaan dan kumpulan umur, Malaysia, 2022**
Table A4.23: *Employed persons by status in employment and age group, Malaysia, 2022*

Taraf pekerjaan *Status in employment*	**Jumlah Total**	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah ('000) *Total*	**15,391.7**	**596.0**	**1,820.1**	**2,646.0**	**2,878.8**	**2,190.1**	**1,743.4**	**,408.7**	**1,185.6**	**873.5**	**449.6**
Majikan *Employer*	532.9	1.4	11.9	33.0	88.2	99.8	70.7	67.2	72.0	54.3	34.5
Pekerja *Employee*	12,046.8	482.3	1,516.9	2,267.0	2,025.3	1,732.5	1,361.5	1,036.2	825.7	573.3	226.1
Bekerja sendiri *Own account worker*	2,325.0	77.6	204.9	258.9	286.2	316.8	272.3	264.1	255.3	216.7	172.3
Pekerja keluarga tanpa gaji *Unpaid family worker*	487.0	34.8	86.3	87.1	79.1	41.0	38.9	41.2	32.6	29.2	16.8
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Majikan *Employer*	3.5	0.2	0.7	1.2	3.6	4.6	4.1	4.8	6.1	6.2	7.7
Pekerja *Employee*	78.3	80.9	83.3	85.7	81.7	79.1	78.1	73.6	69.7	65.6	50.3
Bekerja sendiri *Own account worker*	15.1	13.0	11.3	9.8	11.5	14.5	15.6	18.7	21.5	24.8	38.3
Pekerja keluarga tanpa gaji *Unpaid family worker*	3.2	5.9	4.7	3.3	3.2	1.9	2.2	2.9	2.7	3.3	3.7

Jadual A4.24: **Penduduk bekerja mengikut taraf pekerjaan, kumpulan umur dan jantina, Malaysia, 2022**
Table A4.24: *Employed persons by status in employment, age group and sex, Malaysia, 2022*

Lelaki/*Male*											
Taraf pekerjaan *Status in employment*	**Jumlah Total**	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah ('000) *Total*	**9,405.5**	**360.7**	**1,129.3**	**1,530.3**	**1,436.4**	**1,301.7**	**1,045.9**	**878.7**	**755.1**	**617.0**	**350.4**
Majikan *Employer*	425.1	1.3	9.7	26.1	47.9	77.5	60.0	59.7	61.9	48.2	32.7
Pekerja *Employee*	7,113.9	266.2	896.3	1,283.8	1,178.1	994.6	797.1	623.8	508.9	395.0	170.2
Bekerja sendiri *Own account worker*	1,685.3	67.4	171.5	184.8	171.5	217.9	182.0	191.4	181.4	171.5	146.0
Pekerja keluarga tanpa gaji *Unpaid family worker*	181.2	25.9	51.8	35.7	39.0	11.7	6.7	3.8	2.9	2.3	1.4
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Majikan *Employer*	4.5	0.4	0.9	1.7	3.3	6.0	5.7	6.8	8.2	7.8	9.3
Pekerja *Employee*	75.6	73.8	79.4	83.9	82.0	76.4	76.2	71.0	67.4	64.0	48.6
Bekerja sendiri *Own account worker*	17.9	18.7	15.2	12.1	11.9	16.7	17.4	21.8	24.0	27.8	41.7
Pekerja keluarga tanpa gaji *Unpaid family worker*	1.9	7.2	4.6	2.3	2.7	0.9	0.6	0.4	0.4	0.4	0.4

Jadual A4.24: **Penduduk bekerja mengikut taraf pekerjaan, kumpulan umur dan jantina, Malaysia, 2022 (samb.)**
Table A4.24: *Employed persons by status in employment, age group and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*

Taraf pekerjaan *Status in employment*	**Jumlah Total**	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah ('000) *Total*	**5,986.2**	**235.3**	**690.8**	**1,115.6**	**1,042.3**	**888.4**	**697.5**	**530.0**	**430.5**	**256.5**	**99.2**
Majikan *Employer*	107.8	0.1	2.2	6.9	40.2	22.3	10.7	7.5	10.1	6.1	1.8
Pekerja *Employee*	4,933.0	216.1	620.6	983.3	847.3	737.9	564.5	412.4	316.9	178.3	55.9
Bekerja sendiri *Own account worker*	639.7	10.2	33.5	74.1	114.7	98.9	90.2	72.7	73.9	45.2	26.2
Pekerja keluarga tanpa gaji *Unpaid family worker*	305.8	8.9	34.5	51.4	40.1	29.4	32.1	37.4	29.7	26.9	15.3
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Majikan *Employer*	1.8	0.0	0.3	0.6	3.9	2.5	1.5	1.4	2.3	2.4	1.8
Pekerja *Employee*	82.4	91.7	89.8	88.1	81.3	83.1	80.9	77.8	73.6	69.5	56.3
Bekerja sendiri *Own account worker*	10.7	4.3	4.8	6.6	11.0	11.1	12.9	13.7	17.2	17.6	26.4
Pekerja keluarga tanpa gaji *Unpaid family worker*	5.1	3.9	5.0	4.6	3.8	3.3	4.6	7.1	6.9	10.5	15.5

Jadual A4.25: **Penduduk bekerja mengikut taraf pekerjaan, kumpulan umur dan strata, Malaysia, 2022**
Table A4.25: *Employed persons by status in employment, age group and strata, Malaysia, 2022*

Bandar/*Urban*

Taraf pekerjaan *Status in employment*	**Jumlah Total**	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah ('000) *Total*	**12,543.7**	**449.1**	**1,436.8**	**2,144.5**	**2,068.4**	**1,837.7**	**1,476.2**	**1,161.4**	**965.8**	**694.7**	**309.3**
Majikan *Employer*	492.7	1.3	7.8	29.6	83.7	94.0	64.5	61.7	67.7	50.8	31.6
Pekerja *Employee*	10,078.0	357.1	1,208.7	1,869.7	1,719.5	1,477.5	1,181.9	888.9	711.7	491.6	171.4
Bekerja sendiri *Own account worker*	1,646.5	65.9	165.2	183.4	206.1	237.8	202.0	181.9	168.2	137.3	98.7
Pekerja keluarga tanpa gaji *Unpaid family worker*	326.4	28.4	55.1	61.8	59.1	28.4	27.7	28.9	18.1	15.0	7.6
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Majikan *Employer*	3.9	0.3	0.5	1.4	4.0	5.1	4.4	5.3	7.0	7.3	10.2
Pekerja *Employee*	80.3	79.5	84.1	87.2	83.1	80.4	80.1	76.5	73.7	70.8	55.4
Bekerja sendiri *Own account worker*	13.1	14.7	11.5	8.6	10.0	12.9	13.7	15.7	17.4	19.8	31.9
Pekerja keluarga tanpa gaji *Unpaid family worker*	2.6	5.5	3.8	2.9	2.9	1.5	1.9	2.5	1.9	2.2	2.5

Jadual A4.25: **Penduduk bekerja mengikut taraf pekerjaan, kumpulan umur dan strata, Malaysia, 2022 (samb.)**
Table A4.25: *Employed persons by status in employment, age group and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*

Taraf pekerjaan *Status in employment*	**Jumlah Total**	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah ('000) *Total*	**2,848.0**	**146.9**	**383.3**	**501.5**	**410.4**	**352.4**	**267.4**	**247.3**	**219.8**	**178.8**	**140.3**
Majikan *Employer*	40.2	0.1	4.1	3.4	4.5	5.8	6.3	5.5	4.2	3.5	2.9
Pekerja *Employee*	1,968.8	125.1	308.1	397.4	305.8	255.0	179.7	147.3	114.0	81.7	54.7
Bekerja sendiri *Own account worker*	678.5	11.6	39.8	75.5	80.1	79.0	70.3	82.2	87.1	79.3	73.5
Pekerja keluarga tanpa gaji *Unpaid family worker*	160.6	10.1	31.2	25.3	20.0	12.6	11.2	12.3	14.4	14.2	9.1
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Majikan *Employer*	1.4	0.1	1.1	0.7	1.1	1.6	2.3	2.2	1.9	1.9	2.1
Pekerja *Employee*	69.1	85.2	80.4	79.2	74.5	72.4	67.2	59.6	51.9	45.7	39.0
Bekerja sendiri *Own account worker*	23.8	7.9	10.4	15.0	19.5	22.4	26.3	33.2	39.6	44.4	52.4
Pekerja keluarga tanpa gaji *Unpaid family worker*	5.6	6.9	8.1	5.0	4.9	3.6	4.2	5.0	6.6	8.0	6.5

Jadual A4.26: **Penduduk bekerja mengikut pencapaian pendidikan, strata dan jantina, Malaysia, 2022**
Table A4.26: *Employed persons by educational attainment, strata and sex, Malaysia, 2022*

Pencapaian pendidikan *Educational attainment*	**Jumlah** *Total*			**Bandar** *Urban*			**Luar Bandar** *Rural*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
Jumlah ('000) *Total*	**15,391.7**	**9,405.5**	**5,986.2**	**12,543.7**	**7,449.0**	**5,094.7**	**2,848.0**	**1,956.5**	**891.5**
Tiada pendidikan rasmi *No formal education*	378.5	264.9	113.6	233.6	167.0	66.7	144.9	98.0	46.9
Rendah *Primary*	1,289.6	897.0	392.5	740.9	498.1	242.8	548.7	398.9	149.8
Menengah *Secondary*	8,408.4	5,391.8	3,016.5	6,780.7	4,220.5	2,560.2	1,627.7	1,171.3	456.4
Tertiari *Tertiary*	5,315.3	2,851.7	2,463.6	4,788.5	2,563.4	2,225.1	526.8	288.3	238.5
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Tiada pendidikan rasmi *No formal education*	2.5	2.8	1.9	1.9	2.2	1.3	5.1	5.0	5.3
Rendah *Primary*	8.4	9.5	6.6	5.9	6.7	4.8	19.3	20.4	16.8
Menengah *Secondary*	54.6	57.3	50.4	54.1	56.7	50.3	57.2	59.9	51.2
Tertiari *Tertiary*	34.5	30.3	41.2	38.2	34.4	43.7	18.5	14.7	26.8

Jadual A4.27: **Penduduk bekerja mengikut pencapaian pendidikan dan kumpulan etnik, Malaysia, 2022**
Table A4.27: *Employed persons by educational attainment and ethnic group, Malaysia, 2022*

Pencapaian pendidikan *Educational attainment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**15,391.7**	**13,613.7**	**9,247.8**	**3,269.3**	**1,008.3**	**88.3**	**1,778.0**
Tiada pendidikan rasmi *No formal education*	378.5	146.5	116.8	16.5	8.6	4.5	232.0
Rendah *Primary*	1,289.6	670.6	464.0	146.5	51.0	9.1	619.0
Menengah *Secondary*	8,408.4	7,645.5	5,307.6	1,738.7	555.0	44.1	762.8
Tertiari *Tertiary*	5,315.3	5,151.1	3,359.3	1,367.5	393.8	30.6	164.2
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Tiada pendidikan rasmi *No formal education*	2.5	1.1	1.3	0.5	0.9	5.1	13.1
Rendah *Primary*	8.4	4.9	5.0	4.5	5.1	10.3	34.8
Menengah *Secondary*	54.6	56.2	57.4	53.2	55.0	50.0	42.9
Tertiari *Tertiary*	34.5	37.8	36.3	41.8	39.1	34.6	9.2

Jadual A4.28: **Penduduk bekerja mengikut pencapaian pendidikan, kumpulan etnik dan jantina, Malaysia, 2022**
Table A4.28: *Employed persons by educational attainment, ethnic group and sex, Malaysia, 2022*

Lelaki/*Male*

Pencapaian pendidikan *Educational attainment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**9,405.5**	**8,153.6**	**5,555.9**	**1,964.6**	**585.5**	**47.6**	**1,251.8**
Tiada pendidikan rasmi *No formal education*	264.9	90.8	73.2	11.0	4.6	2.1	174.1
Rendah *Primary*	897.0	471.3	332.0	100.8	33.5	5.1	425.7
Menengah *Secondary*	5,391.8	4,867.8	3,437.8	1,065.9	342.5	21.5	524.0
Tertiari *Tertiary*	2,851.7	2,723.7	1,712.9	786.9	205.0	19.0	128.0
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Tiada pendidikan rasmi *No formal education*	2.8	1.1	1.3	0.6	0.8	4.3	13.9
Rendah *Primary*	9.5	5.8	6.0	5.1	5.7	10.6	34.0
Menengah *Secondary*	57.3	59.7	61.9	54.3	58.5	45.3	41.9
Tertiari *Tertiary*	30.3	33.4	30.8	40.1	35.0	39.8	10.2

Jadual A4.28: **Penduduk bekerja mengikut pencapaian pendidikan, kumpulan etnik dan jantina, Malaysia, 2022 (samb.)**
Table A4.28: *Employed persons by educational attainment, ethnic group and sex, Malaysia, 2019 (cont'd)*

Perempuan/*Female*

Pencapaian pendidikan *Educational attainment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**5,986.2**	**5,460.1**	**3,691.9**	**1,304.7**	**422.8**	**40.7**	**526.2**
Tiada pendidikan rasmi *No formal education*	113.6	55.6	43.7	5.5	4.0	2.5	57.9
Rendah *Primary*	392.5	199.3	132.0	45.7	17.5	4.0	193.3
Menengah *Secondary*	3,016.5	2,777.8	1,869.8	672.8	212.6	22.6	238.8
Tertiari *Tertiary*	2,463.6	2,427.4	1,646.4	580.6	188.8	11.6	36.2
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Tiada pendidikan rasmi *No formal education*	1.9	1.0	1.2	0.4	0.9	6.0	11.0
Rendah *Primary*	6.6	3.6	3.6	3.5	4.1	9.9	36.7
Menengah *Secondary*	50.4	50.9	50.6	51.6	50.3	55.5	45.4
Tertiari *Tertiary*	41.2	44.5	44.6	44.5	44.6	28.5	6.9

Jadual A4.29: **Penduduk bekerja mengikut pencapaian pendidikan, kumpulan etnik dan strata, Malaysia, 2022**
Table A4.29: *Employed persons by educational attainment, ethnic group and strata, Malaysia, 2022*

Bandar/*Urban*

Pencapaian pendidikan *Educational attainment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**12,543.7**	**11,315.0**	**7,164.3**	**3,121.6**	**965.6**	**63.5**	**1,228.6**
Tiada pendidikan rasmi *No formal education*	233.6	74.4	49.2	14.5	7.6	3.2	159.2
Rendah *Primary*	740.9	387.3	208.8	126.3	45.9	6.4	353.5
Menengah *Secondary*	6,780.7	6,219.1	4,022.6	1,641.6	525.9	29.0	561.6
Tertiari *Tertiary*	4,788.5	4,634.3	2,883.8	1,339.2	386.2	25.0	154.3
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Tiada pendidikan rasmi *No formal education*	1.9	0.7	0.7	0.5	0.8	5.0	13.0
Rendah *Primary*	5.9	3.4	2.9	4.0	4.8	10.0	28.8
Menengah *Secondary*	54.1	55.0	56.1	52.6	54.5	45.7	45.7
Tertiari *Tertiary*	38.2	41.0	40.3	42.9	40.0	39.3	12.6

Jadual A4.29: **Penduduk bekerja mengikut pencapaian pendidikan, kumpulan etnik dan strata, Malaysia, 2022 (samb.)**
Table A4.29: *Employed persons by educational attainment, ethnic group and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*

Pencapaian pendidikan *Educational attainment*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**2,848.0**	**2298.7**	**2,083.5**	**147.6**	**42.7**	**24.7**	**549.4**
Tiada pendidikan rasmi *No formal education*	144.9	72.04	67.7	2.0	1.0	1.4	72.8
Rendah *Primary*	548.7	283.26	255.3	20.2	5.1	2.7	265.5
Menengah *Secondary*	1,627.7	1,426.47	1,285.1	97.2	29.2	15.1	201.2
Tertiari *Tertiary*	526.8	516.88	475.5	28.3	7.5	5.6	9.9
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Tiada pendidikan rasmi *No formal education*	5.1	3.13	3.2	1.4	2.3	5.5	13.3
Rendah *Primary*	19.3	12.32	12.3	13.7	11.9	11.0	48.3
Menengah *Secondary*	57.2	62.06	61.7	65.8	68.2	61.0	36.6
Tertiari *Tertiary*	18.5	22.49	22.8	19.1	17.6	22.5	1.8

Jadual A4.30: **Penduduk bekerja mengikut sijil tertinggi diperoleh, strata dan jantina, Malaysia, 2022**
Table A4.30: *Employed persons by highest certificate obtained, strata and sex, Malaysia, 2022*

Sijil tertinggi diperoleh *Highest certificate obtained*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah ('000) *Total*	**15,391.7**	**9,405.5**	**5,986.2**	**12,543.7**	**7,449.0**	**5,094.7**	**2,848.0**	**1,956.5**	**891.5**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	1,153.4	808.2	345.2	709.9	476.0	234.0	443.5	332.2	111.3
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	1,315.5	921.4	394.1	934.3	632.2	302.1	381.2	289.2	92.0
SPM atau yang setaraf *SPM or equivalent*	6,903.8	4,299.4	2,604.4	5,724.3	3,472.0	2,252.3	1,179.5	827.4	352.1
STPM atau yang setaraf *STPM or equivalent*	515.6	274.9	240.7	425.5	225.6	199.9	90.1	49.3	40.8
Sijil *Certificate*	393.9	286.6	107.3	337.6	242.5	95.1	56.3	44.1	12.2
Diploma	1,736.1	929.6	806.5	1,564.3	836.1	728.2	171.8	93.6	78.3
Ijazah *Degree*	2,539.4	1,314.5	1,224.9	2,350.6	1,224.5	1,126.1	188.8	90.0	98.8
Tiada sijil *No certificate*	457.6	307.4	150.2	264.9	174.5	90.4	192.7	133.0	59.7
Tidak berkenaan *Not applicable*	376.4	263.4	113.0	232.2	165.6	66.6	144.2	97.8	46.4
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	7.5	8.6	5.8	5.7	6.4	4.6	15.6	17.0	12.5
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	8.5	9.8	6.6	7.4	8.5	5.9	13.4	14.8	10.3
SPM atau yang setaraf *SPM or equivalent*	44.9	45.7	43.5	45.6	46.6	44.2	41.4	42.3	39.5
STPM atau yang setaraf *STPM or equivalent*	3.3	2.9	4.0	3.4	3.0	3.9	3.2	2.5	4.6
Sijil *Certificate*	2.6	3.0	1.8	2.7	3.3	1.9	2.0	2.3	1.4
Diploma	11.3	9.9	13.5	12.5	11.2	14.3	6.0	4.8	8.8
Ijazah *Degree*	16.5	14.0	20.5	18.7	16.4	22.1	6.6	4.6	11.1
Tiada sijil *No certificate*	3.0	3.3	2.5	2.1	2.3	1.8	6.8	6.8	6.7
Tidak berkenaan *Not applicable*	2.4	2.8	1.9	1.9	2.2	1.3	5.1	5.0	5.2

Jadual A4.31: **Penduduk bekerja mengikut sijil tertinggi diperoleh dan kumpulan etnik, Malaysia, 2022**
Table A4.31: *Employed persons by highest certificate obtained and ethnic group, Malaysia, 2022*

Sijil tertinggi diperoleh *Highest certificate obtained*	Jumlah *Total*	Warganegara Malaysia *Malaysian citizens*					Bukan warganegara Malaysia *Non-Malaysian citizens*
		Jumlah *Total*	Bumiputera	Cina *Chinese*	India *Indians*	Lain-lain *Others*	
Jumlah ('000) *Total*	**15,391.7**	**13,613.7**	**9,247.8**	**3,269.3**	**1,008.3**	**88.3**	**1,778.0**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	1,153.4	732.9	483.9	187.1	54.7	7.2	420.5
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	1,315.5	1,037.3	693.8	241.6	94.2	7.7	278.2
SPM atau yang setaraf *SPM or equivalent*	6,903.8	6,476.0	4,516.4	1,471.2	452.8	35.6	427.8
STPM atau yang setaraf *STPM or equivalent*	515.6	479.7	321.4	118.7	34.5	5.1	35.9
Sijil *Certificate*	393.9	382.1	290.6	63.1	25.7	2.8	11.8
Diploma	1,736.1	1,698.6	1,147.4	402.9	134.1	14.3	37.5
Ijazah *Degree*	2,539.4	2,465.1	1,537.0	732.5	187.2	8.4	74.3
Tiada sijil *No certificate*	457.6	196.3	141.2	35.6	16.7	2.8	261.3
Tidak berkenaan *Not applicable*	376.4	145.7	116.1	16.5	8.6	4.5	230.6
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	7.5	5.4	5.2	5.7	5.4	8.2	23.7
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	8.5	7.6	7.5	7.4	9.3	8.7	15.6
SPM atau yang setaraf *SPM or equivalent*	44.9	47.6	48.8	45.0	44.9	40.3	24.1
STPM atau yang setaraf *STPM or equivalent*	3.3	3.5	3.5	3.6	3.4	5.7	2.0
Sijil *Certificate*	2.6	2.8	3.1	1.9	2.5	3.1	0.7
Diploma	11.3	12.5	12.4	12.3	13.3	16.1	2.1
Ijazah *Degree*	16.5	18.1	16.6	22.4	18.6	9.5	4.2
Tiada sijil *No certificate*	3.0	1.4	1.5	1.1	1.7	3.1	14.7
Tidak berkenaan *Not applicable*	2.4	1.1	1.3	0.5	0.9	5.1	13.0

Jadual A4.32: **Penduduk bekerja mengikut sijil tertinggi diperoleh, kumpulan etnik dan jantina, Malaysia, 2022**
Table A4.32: *Employed persons by highest certificate obtained, ethnic group and sex, Malaysia, 2022*

Lelaki/*Male*							
Sijil tertinggi diperoleh *Highest certificate obtained*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**9,405.5**	**8,153.6**	**5,555.9**	**1,964.6**	**585.5**	**47.6**	**1,251.8**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	808.2	515.6	338.6	138.0	35.3	3.7	292.6
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	921.4	722.7	485.3	170.1	62.3	5.0	198.7
SPM atau yang setaraf *SPM or equivalent*	4,299.4	4,009.7	2,881.0	843.8	269.1	15.9	289.6
STPM atau yang setaraf *STPM or equivalent*	274.9	250.5	163.2	70.8	13.6	2.8	24.4
Sijil *Certificate*	286.6	276.1	217.4	43.8	14.0	0.9	10.5
Diploma	929.6	898.8	580.8	237.5	69.3	11.2	30.9
Ijazah *Degree*	1,314.5	1,256.0	719.5	425.9	106.6	3.9	58.5
Tiada sijil *No certificate*	307.4	133.8	97.5	23.6	10.6	2.1	173.6
Tidak berkenaan *Not applicable*	263.4	90.3	72.7	11.0	4.6	2.1	173.1
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	8.6	6.3	6.1	7.0	6.0	7.8	23.4
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	9.8	8.9	8.7	8.7	10.6	10.6	15.9
SPM atau yang setaraf *SPM or equivalent*	45.7	49.2	51.9	42.9	46.0	33.4	23.1
STPM atau yang setaraf *STPM or equivalent*	2.9	3.1	2.9	3.6	2.3	5.9	1.9
Sijil *Certificate*	3.0	3.4	3.9	2.2	2.4	1.8	0.8
Diploma	9.9	11.0	10.5	12.1	11.8	23.5	2.5
Ijazah *Degree*	14.0	15.4	13.0	21.7	18.2	8.3	4.7
Tiada sijil *No certificate*	3.3	1.6	1.8	1.2	1.8	4.4	13.9
Tidak berkenaan *Not applicable*	2.8	1.1	1.3	0.6	0.8	4.3	13.8

Jadual A4.32: **Penduduk bekerja mengikut sijil tertinggi diperoleh, kumpulan etnik dan jantina, Malaysia, 2022 (samb.)**
Table A4.32: *Employed persons by highest certificate obtained, ethnic group and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*

Sijil tertinggi diperoleh *Highest certificate obtained*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**5,986.2**	**5,460.1**	**3,691.9**	**1,304.7**	**422.8**	**40.7**	**526.2**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	345.2	217.3	145.3	49.1	19.4	3.5	128.0
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	394.1	314.6	208.5	71.6	31.8	2.7	79.5
SPM atau yang setaraf *SPM or equivalent*	2,604.4	2,466.3	1,635.4	627.5	183.7	19.7	138.1
STPM atau yang setaraf *STPM or equivalent*	240.7	229.2	158.2	47.8	20.9	2.2	11.5
Sijil *Certificate*	107.3	106.0	73.2	19.2	11.7	1.9	1.3
Diploma	806.5	799.8	566.6	165.4	64.8	3.1	6.7
Ijazah *Degree*	1,224.9	1,209.1	817.5	306.6	80.5	4.4	15.8
Tiada sijil *No certificate*	150.2	62.4	43.7	12.0	6.1	0.7	87.7
Tidak berkenaan *Not applicable*	113.0	55.4	43.4	5.5	4.0	2.5	57.5
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	5.8	4.0	3.9	3.8	4.6	8.7	24.3
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	6.6	5.8	5.6	5.5	7.5	6.6	15.1
SPM atau yang setaraf *SPM or equivalent*	43.5	45.2	44.3	48.1	43.4	48.5	26.3
STPM atau yang setaraf *STPM or equivalent*	4.0	4.2	4.3	3.7	4.9	5.5	2.2
Sijil *Certificate*	1.8	1.9	2.0	1.5	2.8	4.6	0.2
Diploma	13.5	14.6	15.3	12.7	15.3	7.5	1.3
Ijazah *Degree*	20.5	22.1	22.1	23.5	19.0	10.9	3.0
Tiada sijil *No certificate*	2.5	1.1	1.2	0.9	1.4	1.7	16.7
Tidak berkenaan *Not applicable*	1.9	1.0	1.2	0.4	0.9	6.0	10.9

Jadual A4.33: **Penduduk bekerja mengikut sijil tertinggi diperoleh, kumpulan etnik dan strata, Malaysia, 2022**
Table A4.33: *Employed persons by highest certificate obtained, ethnic group and strata, Malaysia, 2022*

Bandar/*Urban*							
Sijil tertinggi diperoleh *Highest certificate obtained*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**12,543.7**	**11,315.1**	**7,164.3**	**3,121.6**	**965.6**	**63.5**	**1,228.6**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	709.9	469.5	250.2	165.8	49.3	4.2	240.4
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	934.3	754.2	439.8	221.3	87.8	5.3	180.1
SPM atau yang setaraf *SPM or equivalent*	5,724.3	5,384.6	3,531.2	1,398.8	431.1	23.6	339.7
STPM atau yang setaraf *STPM or equivalent*	425.5	393.6	241.9	114.6	33.7	3.3	32.0
Sijil *Certificate*	337.6	327.3	237.6	62.3	25.3	2.1	10.3
Diploma	1,564.3	1,528.3	989.6	394.4	131.7	12.6	36.0
Ijazah *Degree*	2,350.6	2,278.5	1,367.6	720.1	183.9	6.8	72.1
Tiada sijil *No certificate*	264.9	105.2	57.8	29.9	15.2	2.3	159.7
Tidak berkenaan *Not applicable*	232.2	73.9	48.6	14.5	7.6	3.2	158.4
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	5.7	4.1	3.5	5.3	5.1	6.6	19.6
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	7.4	6.7	6.1	7.1	9.1	8.4	14.7
SPM atau yang setaraf *SPM or equivalent*	45.6	47.6	49.3	44.8	44.6	37.2	27.6
STPM atau yang setaraf *STPM or equivalent*	3.4	3.5	3.4	3.7	3.5	5.3	2.6
Sijil *Certificate*	2.7	2.9	3.3	2.0	2.6	3.2	0.8
Diploma	12.5	13.5	13.8	12.6	13.6	19.9	2.9
Ijazah *Degree*	18.7	20.1	19.1	23.1	19.0	10.8	5.9
Tiada sijil *No certificate*	2.1	0.9	0.8	1.0	1.6	3.7	13.0
Tidak berkenaan *Not applicable*	1.9	0.7	0.7	0.5	0.8	5.0	12.9

Jadual A4.33: **Penduduk bekerja mengikut sijil tertinggi diperoleh, kumpulan etnik dan strata, Malaysia, 2022 (samb.)**
Table A4.33: *Employed persons by highest certificate obtained, ethnic group and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*

Sijil tertinggi diperoleh *Highest certificate obtained*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*	**2,848.0**	**2,298.7**	**2,083.5**	**147.6**	**42.7**	**24.7**	**549.4**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	443.5	263.4	233.7	21.3	5.4	3.0	180.1
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	381.2	283.1	254.0	20.4	6.4	2.4	98.1
SPM atau yang setaraf *SPM or equivalent*	1,179.5	1,091.4	985.2	72.4	21.8	12.0	88.1
STPM atau yang setaraf *STPM or equivalent*	90.1	86.1	79.6	4.1	0.8	1.7	4.0
Sijil *Certificate*	56.3	54.8	53.0	0.8	0.4	0.7	1.5
Diploma	171.8	170.3	157.8	8.5	2.4	1.6	1.5
Ijazah *Degree*	188.8	186.6	169.4	12.5	3.2	1.5	2.1
Tiada sijil *No certificate*	192.7	91.0	83.4	5.7	1.4	0.4	101.7
Tidak berkenaan *Not applicable*	144.2	71.9	67.5	2.0	1.0	1.4	72.3
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	15.6	11.5	11.2	14.4	12.7	12.2	32.8
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	13.4	12.3	12.2	13.8	15.0	9.6	17.9
SPM atau yang setaraf *SPM or equivalent*	41.4	47.5	47.3	49.1	50.9	48.5	16.0
STPM atau yang setaraf *STPM or equivalent*	3.2	3.7	3.8	2.8	1.8	7.0	0.7
Sijil *Certificate*	2.0	2.4	2.5	0.5	0.9	2.9	0.3
Diploma	6.0	7.4	7.6	5.7	5.5	6.5	0.3
Ijazah *Degree*	6.6	8.1	8.1	8.5	7.6	6.1	0.4
Tiada sijil *No certificate*	6.8	4.0	4.0	3.9	3.4	1.7	18.5
Tidak berkenaan *Not applicable*	5.1	3.1	3.2	1.4	2.3	5.5	13.2

Jadual A4.34: **Min dan median jam bekerja mengikut kumpulan umur dan jantina, Malaysia, 2022**
Table A4.34: *Mean and median hours worked by age group and sex, Malaysia, 2022*

Kumpulan Umur *Age Group*	Min *Mean*			Median *Median*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah *Total*	**44.7**	**45.5**	**43.5**	**48.0**	**48.0**	**45.0**
15 - 19	45.0	45.1	44.9	48.0	48.0	48.0
20 - 24	46.2	46.3	45.9	48.0	48.0	48.0
25 - 29	45.6	46.3	44.5	48.0	48.0	48.0
30 - 34	44.5	45.7	42.9	48.0	48.0	45.0
35 - 39	44.6	45.5	43.4	48.0	48.0	45.0
40 - 44	44.3	45.3	42.8	48.0	48.0	40.0
45 - 49	44.3	45.2	42.7	48.0	48.0	40.0
50 - 54	44.0	45.0	42.2	45.0	48.0	40.0
55 - 59	43.6	44.3	41.9	45.0	48.0	40.0
60 - 64	42.3	42.9	40.2	42.0	42.0	40.0

Jadual A4.35: **Min dan median jam bekerja mengikut pekerjaan dan jantina, Malaysia, 2022**
Table A4.35: *Mean and median hours worked by occupation and sex, Malaysia, 2022*

Pekerjaan *Occupation*	Min *Mean*			Median *Median*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah ('000) *Total*	**44.7**	**45.5**	**43.5**	**48.0**	**48.0**	**45.0**
Pengurus *Managers*	45.2	45.8	43.5	48.0	48.0	45.0
Profesional *Professionals*	42.7	43.5	41.9	40.0	45.0	40.0
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	45.1	45.4	44.2	48.0	48.0	45.0
Pekerja sokongan perkeranian *Clerical support workers*	44.3	45.2	43.8	48.0	48.0	45.0
Pekerja perkhidmatan dan jualan *Service and sales workers*	44.9	46.3	43.6	48.0	48.0	45.0
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	39.1	39.7	36.6	40.0	40.0	36.0
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	44.4	45.4	40.9	48.0	48.0	40.0
Operator mesin dan loji, dan pemasang *Plant and machine operators and assemblers*	48.2	48.2	48.3	48.0	48.0	48.0
Pekerja asas *Elementary occupations*	45.8	46.0	45.5	48.0	48.0	48.0

Jadual A4.36: **Min dan median jam bekerja mengikut industri dan jantina, Malaysia, 2022**
Table A4.36: Mean and median hours worked by industry and sex, Malaysia, 2022

Industri *Industry*	Min *Mean*			Median *Median*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah [1] *Total*	**44.7**	**45.5**	**43.5**	**48.0**	**48.0**	**45.0**
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	42.6	42.8	41.8	45.0	48.0	42.0
Perlombongan dan pengkuarian *Mining and quarrying*	46.5	47.3	45.1	48.0	48.0	48.0
Pembuatan *Manufacturing*	46.5	47.2	45.2	48.0	48.0	48.0
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	46.8	46.7	47.9	48.0	48.0	48.0
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	44.0	44.4	42.7	48.0	48.0	45.0
Pembinaan *Construction*	45.7	45.9	44.2	48.0	48.0	48.0
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	45.7	46.5	44.7	48.0	48.0	48.0
Pengangkutan dan penyimpanan *Transportation and storage*	46.8	47.5	44.2	48.0	48.0	45.0
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	44.2	45.7	42.8	48.0	48.0	45.0
Maklumat dan komunikasi *Information and communication*	45.4	45.6	44.9	48.0	48.0	48.0
Aktiviti kewangan dan insurans/takaful *Financial and insurance/takaful activities*	44.4	44.9	44.0	45.0	48.0	45.0
Aktiviti hartanah *Real estate activities*	44.2	43.9	44.6	48.0	45.0	48.0
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	44.5	44.8	44.1	45.0	48.0	45.0
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	46.3	47.7	44.4	48.0	48.0	48.0
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	41.4	42.2	39.8	40.0	40.0	40.0
Pendidikan *Education*	39.8	40.5	39.4	40.0	40.0	40.0
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	43.4	43.6	43.3	42.0	45.0	40.0
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	42.9	42.3	43.5	45.0	45.0	45.0
Aktiviti perkhidmatan lain *Other service activities*	44.4	45.0	43.8	48.0	48.0	48.0
Aktiviti isi rumah sebagai majikan *Activities of households as employers*	54.1	49.6	54.4	48.0	48.0	48.0

[1] **Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual A4.37: **Min dan median jam bekerja mengikut taraf pekerjaan dan jantina, Malaysia, 2022**
Table A4.37: *Mean and median hours worked by status in employment and sex, Malaysia, 2022*

Taraf pekerjaan *Status in employment*	**Min** *Mean*			**Median** *Median*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
Jumlah ('000) *Total*	**44.7**	**45.5**	**43.5**	**48.0**	**48.0**	**45.0**
Majikan *Employer*	44.9	45.5	42.3	48.0	48.0	42.0
Pekerja *Employee*	45.6	46.4	44.5	48.0	48.0	48.0
Bekerja sendiri *Own account worker*	40.8	41.8	38.2	40.0	40.0	40.0
Pekerja keluarga tanpa gaji *Unpaid family worker*	40.3	41.1	39.7	40.0	40.0	40.0

Jadual A4.38: **Penduduk bekerja kurang dari 30 jam dan sektor, Malaysia, 2022**
Table A4.38: Employed persons working less than 30 hours and sector, Malaysia, 2022

Sebab bekerja kurang dari 30 jam *Reason for working less than 30 hours*	**Jumlah** *Total*	**Pertanian** *Agriculture*	**Pelombongan dan Pengkuarian** *Mining & quarrying*	**Pembuatan** *Manufacturing*	**Pembinaan** *Construction*	**Perkhidmatan** *Services*
Jumlah ('000) **Total**	**341.8**	**30.6**	**0.4**	**55.0**	**11.8**	**244.0**
Kerja tidak mencukupi/ memang keadaan kerja begitu *Insufficient work/nature of the job*	272.2	18.2	0.1	48.3	9.6	196.1
Bersara/lanjut usia *Retired/old age*	2.2	1.3	-	0.1	0.1	0.7
Kerja rumah/ tanggungjawab keluarga *Housework/family responsibilities*	21.1	6.1	-	2.8	0.3	11.8
Cuti *Leave*	42.0	1.9	0.3	3.6	1.6	34.6
Sakit/cedera *Illness/injury*	1.3	0.2	-	0.2	0.1	0.8
Keadaan cuaca *Weather condition*	3.1	2.9	-	-	0.1	0.1
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Kerja tidak mencukupi/ memang keadaan kerja begitu *Insufficient work/nature of the job*	79.6	59.5	21.7	87.7	81.6	80.3
Bersara/lanjut usia *Retired/old age*	0.6	4.3	-	0.2	0.5	0.3
Kerja rumah/ tanggungjawab keluarga *Housework/family responsibilities*	6.2	20.1	-	5.1	2.8	4.8
Cuti *Leave*	12.3	6.4	78.3	6.5	13.7	14.2
Sakit/cedera *Illness/injury*	0.4	0.5	-	0.4	1.0	0.3
Keadaan cuaca *Weather condition*	0.9	9.5	-	-	0.4	0.0

Jadual A4.39: **Penduduk bekerja mengikut sebab bekerja kurang dari 30 jam dan jantina, Malaysia, 2022**
Table A4.39 *Employed persons by reasons for working less than 30 hours and sex, Malaysia, 2022*
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Sebab bekerja kurang dari 30 jam *Reason for working less than 30 hours*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
Jumlah ('000) Total	**381.8**	**143.3**	**195.8**
Kerja tidak mencukupi/ memang keadaan kerja begitu *Insufficient work/nature of the job*	272.2	114.7	157.4
Sanggup menerima tambahan kerja *Willing to accept additional work*	238.7	103.8	134.2
Tidak sanggup menerima tambahan kerja *Unwilling to accept additional work*	33.6	10.2	23.4
Bersara/lanjut usia *Retired/old age*	2.2	1.9	0.3
Kerja rumah/ tanggungjawab keluarga *Housework/family responsibilities*	21.1	1.8	19.3
Cuti *Leave*	42.0	21.1	20.9
Sakit/cedera *Illness/injury*	1.3	1.0	0.2
Keadaan cuaca *Weather condition*	3.1	2.8	0.3
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**
Kerja tidak mencukupi/ memang keadaan kerja begitu *Insufficient work/nature of the job*	79.6	0.6	79.3
Sanggup menerima tambahan kerja *Willing to accept additional work*	86.5	90.5	83.5
Tidak sanggup menerima tambahan kerja *Unwilling to accept additional work*	12.0	8.9	14.3
Bersara/lanjut usia *Retired/old age*	0.6	1.3	0.2
Kerja rumah/ tanggungjawab keluarga *Housework/family responsibilities*	6.2	1.2	9.7
Cuti *Leave*	12.3	14.7	10.5
Sakit/cedera *Illness/injury*	0.4	0.7	0.1
Keadaan cuaca *Weather condition*	0.9	2.0	0.1

Jadual A5.1: **Kadar pengangguran mengikut kumpulan umur, strata dan jantina, Malaysia, 2022**
Table A5.1: *Unemployment rate by age group, strata and sex, Malaysia, 2022*

Kumpulan Umur *Age Group*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah (%) *Total*	**3.9**	**3.8**	**4.1**	**3.8**	**3.8**	**3.7**	**4.7**	**3.8**	**6.6**
15 - 19	14.1	14.6	13.5	13.2	13.7	12.3	16.9	17.3	16.5
20 - 24	10.9	9.4	13.3	10.4	8.7	12.9	12.9	11.7	15.2
25 - 29	4.0	3.1	5.1	3.9	3.2	4.7	4.4	3.0	7.4
30 - 34	1.9	1.9	1.8	1.7	2.0	1.2	3.0	1.7	6.1
35 - 39	1.4	1.7	1.0	1.3	1.7	0.7	1.9	1.5	2.9
40 - 44	1.0	1.3	0.6	1.0	1.4	0.5	1.1	0.9	1.3
45 - 49	1.2	1.3	1.1	1.3	1.3	1.1	0.9	1.0	0.7
50 - 54	2.2	2.1	2.3	2.5	2.5	2.6	0.8	0.7	0.9
55 - 59	3.5	4.4	1.0	4.0	5.3	0.9	1.3	1.1	1.6
60 - 64	5.8	6.8	2.0	7.7	9.4	1.9	1.3	1.1	2.2

Jadual A5.2: **Kadar pengangguran mengikut kumpulan umur dan kumpulan etnik, Malaysia, 2022**
Table A5.2: *Unemployment rate by age group and ethnic group, Malaysia, 2022*

Kumpulan Umur *Age Group*	**Jumlah** *Total*	**Warganegara Malaysia** *Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	**Bumiputera**	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah (%) *Total*	**3.9**	**3.9**	**4.0**	**3.1**	**4.8**	**13.0**	**4.0**
15 - 19	14.1	14.4	13.2	10.7	30.7	46.1	13.0
20 - 24	10.9	11.9	13.3	9.7	6.7	9.3	7.2
25 - 29	4.0	4.1	4.2	3.7	3.6	5.3	3.5
30 - 34	1.9	2.0	2.0	1.2	3.6	3.6	1.3
35 - 39	1.4	1.4	1.0	1.5	3.4	24.1	1.0
40 - 44	1.0	1.1	0.9	0.8	2.1	23.4	0.5
45 - 49	1.2	1.2	1.1	1.2	1.8	6.8	1.2
50 - 54	2.2	2.2	1.9	2.6	3.3	1.5	2.3
55 - 59	3.5	3.5	3.6	3.5	2.2	10.7	3.1
60 - 64	5.8	5.9	5.9	3.6	15.6	1.3	2.4

Jadual A5.3: **Kadar pengangguran mengikut kumpulan etnik, strata dan jantina, Malaysia, 2022**
Table A5.3: *Unemployment rate by ethnic group, strata and sex, Malaysia, 2022*

Kumpulan Umur *Age Group*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
Jumlah (%) *Total*	**3.9**	**3.8**	**4.1**	**3.8**	**3.8**	**3.7**	**4.7**	**3.8**	**6.6**
Warganegara Malaysia *Malaysian citizens*	3.9	4.0	3.7	3.7	4.0	3.2	5.0	4.1	6.8
Bumiputera	4.0	3.9	4.2	3.7	3.8	3.6	5.0	4.1	7.0
Cina *Chinese*	3.1	3.5	2.5	3.1	3.6	2.5	2.8	2.4	3.7
India *Indians*	4.8	5.6	3.6	4.7	5.7	3.3	6.4	4.6	9.6
Lain-lain *Others*	13.0	20.2	2.6	13.3	22.6	2.3	12.1	15.5	3.7
Bukan warganegara Malaysia *Non-Malaysian citizens*	4.0	2.3	7.7	4.2	2.2	8.5	3.4	2.6	5.5

Jadual A5.4: **Kadar pengangguran mengikut pencapaian pendidikan, strata dan jantina, Malaysia, 2022**
Table A5.4: *Unemployment rate by educational attainment, strata and sex, Malaysia, 2022*

Pencapaian pendidikan *Educational attainment*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
Jumlah (%) *Total*	**3.9**	**3.8**	**4.1**	**3.8**	**3.8**	**3.7**	**4.7**	**3.8**	**6.6**
Tiada pendidikan rasmi *No formal education*	9.1	7.1	13.4	12.6	9.6	19.3	2.7	2.5	3.3
Rendah *Primary*	3.0	2.9	3.4	3.4	3.6	2.9	2.5	1.9	4.1
Menengah *Secondary*	4.0	4.0	3.9	3.7	3.9	3.2	5.2	4.4	7.3
Tertiari *Tertiary*	3.7	3.4	4.1	3.5	3.3	3.7	5.9	4.6	7.3

Jadual A6.1: **Penganggur mengikut kumpulan umur, strata dan jantina, Malaysia, 2022**
Table A6.1: *Unemployed persons by age group, strata and sex, Malaysia, 2022*

Kumpulan umur *Age group*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah ('000) *Total*	**630.4**	**373.9**	**256.5**	**489.9**	**296.3**	**193.6**	**140.5**	**77.5**	**62.9**
15 - 19	98.1	61.5	36.6	68.1	44.0	24.1	30.0	17.5	12.5
20 - 24	223.1	116.7	106.4	166.4	83.2	83.2	56.7	33.6	23.2
25 - 29	109.9	49.7	60.2	86.7	38.9	47.8	23.2	10.8	12.4
30 - 34	47.5	28.1	19.4	34.7	23.2	11.5	12.8	4.9	7.8
35 - 39	30.8	22.0	8.8	24.0	18.3	5.7	6.8	3.6	3.2
40 - 44	18.2	13.9	4.2	15.3	12.2	3.1	2.9	1.7	1.1
45 - 49	17.0	11.2	5.8	14.7	9.5	5.2	2.3	1.7	0.6
50 - 54	26.8	16.5	10.3	25.1	15.4	9.6	1.7	1.0	0.7
55 - 59	31.4	28.7	2.7	29.1	27.2	1.9	2.3	1.4	0.9
60 - 64	27.6	25.6	2.0	25.8	24.3	1.5	1.8	1.2	0.5
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
15 - 19	15.6	16.4	14.3	13.9	14.8	12.4	21.4	22.6	19.9
20 - 24	35.4	31.2	41.5	34.0	28.1	43.0	40.4	43.3	36.9
25 - 29	17.4	13.3	23.5	17.7	13.1	24.7	16.5	13.9	19.7
30 - 34	7.5	7.5	7.6	7.1	7.8	5.9	9.1	6.3	12.4
35 - 39	4.9	5.9	3.4	4.9	6.2	2.9	4.8	4.6	5.1
40 - 44	2.9	3.7	1.6	3.1	4.1	1.6	2.1	2.2	1.7
45 - 49	2.7	3.0	2.3	3.0	3.2	2.7	1.6	2.2	1.0
50 - 54	4.2	4.4	4.0	5.1	5.2	5.0	1.2	1.3	1.1
55 - 59	5.0	7.7	1.1	5.9	9.2	1.0	1.6	1.8	1.4
60 - 64	4.4	6.8	0.8	5.3	8.2	0.8	1.3	1.5	0.8

Jadual A6.2: **Penganggur mengikut kumpulan etnik, strata dan jantina, Malaysia, 2022**
Table A6.2: *Unemployed persons by ethnic group, strata and sex, Malaysia, 2022*

Kumpulan etnik *Ethnic group*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
Jumlah ('000) *Total*	**630.4**	373.9	256.5	489.9	296.3	193.6	140.5	**77.5**	**62.9**
Warganegara Malaysia *Malaysian citizens*	556.7	344.0	212.7	435.5	277.3	158.1	121.2	66.7	54.5
Bumiputera	387.8	225.8	162.1	277.2	166.0	111.2	110.6	59.7	50.9
Cina *Chinese*	105.1	71.2	33.9	100.8	68.7	32.1	4.3	2.5	1.8
India *Indians*	50.6	35.0	15.6	47.7	33.6	14.1	2.9	1.4	1.5
Lain-lain *Others*	13.2	12.1	1.1	9.8	9.0	0.8	3.4	3.1	0.3
Bukan warganegara Malaysia *Non-Malaysian citizens*	73.7	29.9	43.8	54.4	19.0	35.4	19.3	10.8	8.4
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Warganegara Malaysia *Malaysian citizens*	88.3	92.0	82.9	88.9	93.6	81.7	86.3	86.0	86.6
Bumiputera	61.5	60.4	63.2	56.6	56.0	57.4	78.8	77.1	80.9
Cina *Chinese*	16.7	19.0	13.2	20.6	23.2	16.6	3.0	3.2	2.9
India *Indians*	8.0	9.4	6.1	9.7	11.4	7.3	2.1	1.8	2.4
Lain-lain *Others*	2.1	3.2	0.4	2.0	3.0	0.4	2.4	4.0	0.5
Bukan warganegara Malaysia *Non-Malaysian citizens*	11.7	8.0	17.1	11.1	6.4	18.3	13.7	14.0	13.4

Jadual A6.3: **Penganggur mengikut pencapaian pendidikan, strata dan jantina, Malaysia, 2022**
Table A6.3: *Unemployed persons by educational attainment, strata and sex, Malaysia, 2022*

Pencapaian pendidikan *Educational attainment*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah ('000) *Total*	**630.4**	**373.9**	**256.5**	**489.9**	**296.3**	**193.5**	**140.5**	**77.5**	**62.9**
Tiada pendidikan rasmi *No formal education*	37.8	20.2	17.6	33.7	17.7	16.0	4.1	2.5	1.6
Rendah *Primary*	40.1	26.4	13.7	26.1	18.8	7.3	14.0	7.6	6.4
Menengah *Secondary*	347.5	226.5	121.0	258.0	173.1	84.9	89.5	53.4	36.1
Tertiari *Tertiary*	204.9	100.7	104.2	172.0	86.7	85.3	32.9	14.0	18.9
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Tiada pendidikan rasmi *No formal education*	6.0	5.4	6.9	6.9	6.0	8.3	2.9	3.2	2.5
Rendah *Primary*	6.4	7.1	5.3	5.3	6.3	3.8	10.0	9.8	10.1
Menengah *Secondary*	55.1	60.6	47.2	52.7	58.4	43.9	63.7	68.9	57.3
Tertiari *Tertiary*	32.5	26.9	40.6	35.1	29.3	44.1	23.4	18.1	30.0

Jadual A6.4: **Penganggur mengikut sijil tertinggi diperoleh, strata dan jantina, Malaysia, 2022**
Table A6.4: *Unemployed persons by highest certificate obtained, strata and sex, Malaysia, 2022*

Sijil tertinggi diperoleh *Highest certificate obtained*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah ('000) *Total*	**630.4**	**373.9**	**256.5**	**489.9**	**296.3**	**193.6**	**140.5**	**77.5**	**62.9**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	46.0	31.1	14.9	32.9	24.1	8.8	13.1	7.0	6.1
PT3/PMR/SRP/LCE/SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	56.3	38.6	17.7	39.7	27.5	12.3	16.5	11.1	5.4
SPM atau yang setaraf *SPM or equivalent*	294.4	183.5	110.9	226.3	143.7	82.6	68.2	39.8	28.3
STPM atau yang setaraf *STPM or equivalent*	34.1	16.4	17.7	26.2	12.6	13.6	8.0	3.9	4.1
Sijil *Certificate*	10.8	7.2	3.6	7.6	5.4	2.2	3.1	1.7	1.4
Diploma	65.4	35.4	30.0	55.5	31.1	24.4	9.9	4.3	5.6
Ijazah *Degree*	71.6	32.5	39.0	60.4	28.9	31.5	11.1	3.7	7.5
Tiada sijil *No certificate*	14.4	8.9	5.4	7.8	5.4	2.4	6.6	3.6	3.0
Tidak berkenaan *Not applicable*	37.5	20.2	17.2	33.5	17.7	15.7	4.0	2.5	1.5
Jumlah (%) *Total*	**100.0**	**100.0**	**100.00**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	7.3	8.3	5.80	6.7	8.1	4.5	9.3	9.0	9.7
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	8.9	10.3	6.90	8.1	9.3	6.4	11.7	14.3	8.6
SPM atau yang setaraf *SPM or equivalent*	46.7	49.1	43.25	46.2	48.5	42.7	48.5	51.4	45.0
STPM atau yang setaraf *STPM or equivalent*	5.4	4.4	6.90	5.3	4.2	7.0	5.7	5.0	6.5
Sijil *Certificate*	1.7	1.9	1.41	1.6	1.8	1.1	2.2	2.2	2.2
Diploma	10.4	9.5	11.69	11.3	10.5	12.6	7.1	5.6	8.9
Ijazah *Degree*	11.4	8.7	15.21	12.3	9.7	16.3	7.9	4.7	11.9
Tiada sijil *No certificate*	2.3	2.4	2.12	1.6	1.8	1.3	4.7	4.6	4.8
Tidak berkenaan *Not applicable*	5.9	5.4	6.71	6.8	6.0	8.1	2.8	3.2	2.4

Jadual A6.5: **Penganggur mengikut pengalaman bekerja, strata dan jantina, Malaysia, 2022**
Table A6.5: *Unemployed persons by working experience, strata and sex, Malaysia, 2022*

Pengalaman bekerja *Working experience*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah ('000) *Total*	**630.4**	**373.9**	**256.5**	**489.7**	**296.3**	**193.5**	**140.5**	**77.5**	**62.9**
Pernah bekerja *Worked before*	141.1	109.4	31.7	114.7	91.2	23.6	26.4	18.2	8.1
Tidak pernah bekerja *Never worked before*	489.2	264.5	224.8	375.1	205.2	170.0	114.1	59.3	54.8
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pernah bekerja *Worked before*	22.4	29.3	12.4	23.4	30.8	12.2	18.8	23.5	12.9
Tidak pernah bekerja *Never worked before*	77.6	70.7	87.6	76.6	69.2	87.8	81.2	76.5	87.1

Jadual A6.6: **Penganggur mengikut pengalaman bekerja, kumpulan umur, strata dan jantina, Malaysia, 2022**
Table A6.6: Unemployed persons by working experience, age group, strata and sex, Malaysia, 2022

Kumpulan umur *Age group*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah ('000) *Total*	**630.3**	**373.9**	**256.5**	**489.7**	**296.3**	**193.5**	**140.5**	**77.5**	**62.9**
15 - 19	98.1	61.5	36.6	68.1	44.0	24.1	30.0	17.5	12.5
20 - 24	223.1	116.7	106.4	166.4	83.2	83.2	56.7	33.6	23.2
25 - 29	109.9	49.7	60.2	86.7	38.9	47.8	23.2	10.8	12.4
30 - 34	47.5	28.1	19.4	34.7	23.2	11.5	12.8	4.9	7.8
35 - 39	30.8	22.0	8.8	24.0	18.3	5.7	6.8	3.6	3.2
40 - 54	62.0	41.6	20.3	55.1	37.1	17.9	6.9	4.4	2.4
55 - 64	59.0	54.3	4.7	54.9	51.5	3.4	4.1	2.6	1.4
Jumlah (%) Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
15 - 19	15.6	16.4	14.3	13.9	14.9	12.4	21.3	22.5	19.9
20 - 24	35.4	31.2	41.5	34.0	28.1	43.0	40.4	43.3	36.8
25 - 29	17.4	13.3	23.5	17.7	13.1	24.7	16.5	13.9	19.7
30 - 34	7.5	7.5	7.6	7.1	7.8	6.0	9.1	6.4	12.5
35 - 39	4.9	5.9	3.4	4.9	6.2	2.9	4.8	4.7	5.0
40 - 54	9.8	11.1	7.9	11.3	12.5	9.3	4.8	5.8	3.8
55 - 64	9.4	14.5	1.8	11.2	17.4	1.8	2.9	3.4	2.3

Jadual A6.6: **Penganggur mengikut pengalaman bekerja, kumpulan umur, strata dan jantina, Malaysia, 2022 (samb.)**
Table A6.6: *Unemployed persons by working experience, age group, strata and sex, Malaysia, 2022 (cont'd)*

Kumpulan umur *Age group*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Pernah bekerja ('000) *Worked before*	**141.1**	**109.4**	**31.7**	**114.7**	**91.2**	**23.6**	**26.4**	**18.2**	**8.1**
15 - 19	3.2	2.0	1.3	1.7	1.2	0.5	1.5	0.8	0.7
20 - 24	32.3	21.5	10.8	20.3	12.4	7.8	12.1	9.1	3.0
25 - 29	25.6	16.1	9.5	21.3	13.8	7.5	4.3	2.3	2.0
30 - 34	15.9	12.7	3.1	13.2	10.9	2.3	2.6	1.8	0.8
35 - 39	10.8	8.1	2.7	8.8	7.3	1.5	2.0	0.8	1.2
40 - 54	26.4	23.1	3.4	23.7	20.6	3.2	2.6	2.4	0.3
55 - 64	26.9	25.9	1.0	25.7	24.9	0.8	1.2	1.0	0.2
Pernah bekerja (%) *Worked before*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
15 - 19	2.3	1.8	4.0	1.5	1.3	2.2	5.8	4.3	9.1
20 - 24	22.9	19.7	34.0	17.7	13.6	33.2	45.7	49.8	36.4
25 - 29	18.1	14.8	30.0	18.6	15.2	31.7	16.3	12.7	24.3
30 - 34	11.2	11.6	9.8	11.5	12.0	9.9	9.9	10.1	9.6
35 - 39	7.7	7.4	8.6	7.7	8.0	6.4	7.7	4.6	14.8
40 - 54	18.7	21.1	10.8	20.7	22.6	13.5	9.9	13.1	2.9
55 - 64	19.1	23.7	3.0	22.4	27.3	3.4	4.7	5.5	2.7

Jadual A6.6: **Penganggur mengikut pengalaman bekerja, kumpulan umur, strata dan jantina, Malaysia, 2022 (samb.)**
Table A6.6: *Unemployed persons by working experience, age group, strata and sex, Malaysia, 2022 (cont'd)*

Kumpulan umur *Age group*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Tidak pernah bekerja ('000) *Never worked before*	**489.2**	**264.5**	**224.8**	**375.1**	**205.2**	**170.0**	**114.1**	**59.3**	**54.8**
15 - 19	94.9	59.5	35.3	66.4	42.9	23.6	28.5	16.7	11.8
20 - 24	190.8	95.2	95.6	146.1	70.7	75.4	44.7	24.5	20.2
25 - 29	84.3	33.5	50.8	65.4	25.0	40.3	18.9	8.5	10.4
30 - 34	31.7	15.4	16.3	21.5	12.3	9.2	10.2	3.1	7.1
35 - 39	20.0	13.9	6.1	15.2	11.1	4.1	4.8	2.8	2.0
40 - 54	35.5	18.7	16.9	31.3	16.6	14.7	4.2	2.1	2.2
55 - 64	32.1	28.3	3.8	29.2	26.6	2.6	2.9	1.7	1.2
Tidak pernah bekerja (%) *Never worked before*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
15 - 19	19.4	22.5	15.7	17.7	20.9	13.9	24.9	28.1	21.5
20 - 24	39.0	36.0	42.5	38.9	34.5	44.4	39.2	41.3	36.9
25 - 29	17.2	12.7	22.6	17.4	12.2	23.7	16.6	14.3	19.0
30 - 34	6.5	5.8	7.2	5.7	6.0	5.4	8.9	5.2	12.9
35 - 39	4.1	5.3	2.7	4.1	5.4	2.4	4.2	4.7	3.6
40 - 54	7.2	7.1	7.5	8.3	8.1	8.7	3.7	3.5	4.0
55 - 64	6.5	10.7	1.6	7.7	13.0	1.5	2.6	2.8	2.2

Jadual A6.7: **Penganggur aktif mengikut tempoh menganggur, strata dan jantina, Malaysia, 2022**
Table A6.7: *Active unemployed persons by duration of unemployment, strata and sex, Malaysia, 2022*

Tempoh menganggur *Duration of unemployment*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
Jumlah ('000) *Total*	**503.0**	**286.9**	**216.1**	**403.7**	**230.6**	**173.1**	**99.3**	**56.3**	**43.0**
Kurang dari 3 bulan *Less than 3 month*	258.3	179.8	78.5	209.7	151.0	58.7	48.6	28.8	19.8
3 bulan-kurang dari 6 bulan *3 month-less than 6 month*	146.5	66.2	80.2	118.8	51.3	67.6	27.6	15.0	12.7
6 bulan-kurang dari 1 tahun *6 month- less than 1 year*	56.7	30.8	25.9	44.9	24.5	20.4	11.8	6.3	5.5
1-3 tahun *1-3 years*	38.3	8.2	30.1	29.0	3.2	25.8	9.3	5.0	4.4
Lebih daripada 3 tahun *More than 3 years*	3.2	1.9	1.3	1.3	0.6	0.7	1.9	1.3	0.6
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Kurang dari 3 bulan *Less than 3 month*	51.4	62.7	36.3	51.9	65.5	33.9	49.0	51.1	46.1
3 bulan-kurang dari 6 bulan *3 month-less than 6 month*	29.1	23.1	37.1	29.4	22.2	39.0	27.8	26.6	29.5
6 bulan-kurang dari 1 tahun *6 month- less than 1 yea*	11.3	10.7	12.0	11.1	10.6	11.8	11.9	11.1	12.8
1-3 tahun *1-3 years*	7.6	2.9	13.9	7.2	1.4	14.9	9.4	8.8	10.2
Lebih daripada 3 tahun *More than 3 years*	0.6	0.7	0.6	0.3	0.2	0.4	1.9	2.3	1.4

Jadual A6.8: **Langkah-langkah yang telah diambil untuk mendapatkan kerja oleh penganggur mengikut jantina, Malaysia, 2022**
Table A6.8: *Steps taken to obtain jobs by unemployed persons by sex, Malaysia, 2022*

Langkah-langkah yang telah diambil untuk mendapatkan kerja *Steps taken to obtain jobs*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
Jumlah [1] ('000) *Total*	**1,839.6**	**1,116.5**	**723.1**
Jabatan Tenaga Kerja/Agensi Pekerjaan *Labour Department/Employment Agency*	356.3	227.8	128.5
Menjawab iklan/mengiklan *Answer advertisement/advertise*	366.6	232.2	134.4
Menghantar surat permohonan *Send applications*	441.0	246.3	194.7
Beritahu sahabat/saudara mara *Inform friends/relatives*	409.8	231.7	178.0
Lain-lain *Others*	265.9	178.5	87.4

[1] **Penganggur boleh mengambil lebih daripada satu langkah untuk mendapatkan pekerjaan**
The unemployed persons can take more than one step to obtain a job

Jadual A7.1 **Penduduk luar tenaga buruh mengikut kumpulan umur, strata dan jantina, Malaysia, 2022**
Table A7.1 *Population outside labour force by age group, strata and sex, Malaysia, 2022*

Kumpulan umur *Age group*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah ('000) *Total*	**7,110.2**	**2,163.4**	**4,946.8**	**5,539.1**	**1,737.6**	**3,801.6**	**1,571.1**	**425.9**	**1,145.2**
15 - 19	2,127.4	1,037.7	1,089.7	1,684.0	821.8	862.2	443.4	215.9	227.6
20 - 24	1,077.8	392.1	685.7	873.4	333.5	539.9	204.5	58.7	145.8
25 - 29	467.0	126.2	340.8	321.6	106.3	215.3	145.4	19.9	125.5
30 - 34	385.2	48.6	336.6	254.9	28.6	226.3	130.3	20.0	110.3
35 - 39	411.7	24.2	387.4	303.2	14.8	288.4	108.5	9.4	99.1
40 - 44	331.1	17.2	313.9	247.6	11.5	236.0	83.6	5.7	77.9
45 - 49	387.9	29.1	358.7	306.8	23.2	283.6	81.1	6.0	75.1
50 - 54	457.0	52.0	405.0	363.2	41.4	321.9	93.7	10.6	83.1
55 - 59	610.2	116.4	493.8	495.8	94.5	401.3	114.4	22.0	92.5
60 - 64	854.8	319.8	535.0	688.7	262.0	426.7	166.1	57.8	108.3
Jumlah (%) *Total*	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	29.9	48.0	22.0	30.4	47.3	22.7	28.2	50.7	19.9
20 - 24	15.2	18.1	13.9	15.8	19.2	14.2	13.0	13.8	12.7
25 - 29	6.6	5.8	6.9	5.8	6.1	5.7	9.3	4.7	11.0
30 - 34	5.4	2.2	6.8	4.6	1.6	6.0	8.3	4.7	9.6
35 - 39	5.8	1.1	7.8	5.5	0.9	7.6	6.9	2.2	8.7
40 - 44	4.7	0.8	6.3	4.5	0.7	6.2	5.3	1.3	6.8
45 - 49	5.5	1.3	7.3	5.5	1.3	7.5	5.2	1.4	6.6
50 - 54	6.4	2.4	8.2	6.6	2.4	8.5	6.0	2.5	7.3
55 - 59	8.6	5.4	10.0	9.0	5.4	10.6	7.3	5.2	8.1
60 - 64	12.0	14.8	10.8	12.4	15.1	11.2	10.6	13.6	9.5

Jadual A7.2: **Penduduk luar tenaga buruh mengikut kumpulan etnik, strata dan jantina, Malaysia, 2022**
Table A7.2: *Population outside labour force by ethnic group, strata and sex, Malaysia, 2022*

Kumpulan Umur *Age Group*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah ('000) *Total*	**7,110.2**	**2,163.4**	**4,946.8**	**5,539.1**	**1,737.6**	**3,801.6**	**1,571.1**	**425.9**	**1,145.2**
Warganegara Malaysia *Malaysian citizens*	6,744.1	2,074.0	4,670.0	5,257.8	1,669.7	3,588.1	1,486.3	404.4	1,082.0
Bumiputera	4,714.2	1,444.0	3,270.2	3,360.0	1,085.5	2,274.5	1,354.2	358.5	995.7
Cina *Chinese*	1,500.5	469.7	1,030.7	1,411.1	438.9	972.2	89.4	30.9	58.5
India *Indians*	473.3	140.8	332.5	442.1	129.6	312.5	31.2	11.2	20.0
Lain-lain *Others*	56.1	19.5	36.6	44.6	15.6	28.9	11.6	3.8	7.7
Bukan warganegara Malaysia *Non-Malaysian citizens*	366.1	89.4	276.7	281.4	67.9	213.5	84.7	21.5	63.2
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Warganegara Malaysia *Malaysian citizens*	94.9	95.9	94.4	94.9	96.1	94.4	94.6	94.9	94.5
Bumiputera	66.3	66.7	66.1	60.7	62.5	59.8	86.2	84.2	86.9
Cina *Chinese*	21.1	21.7	20.8	25.5	25.3	25.6	5.7	7.3	5.1
India *Indians*	6.7	6.5	6.7	8.0	7.5	8.2	2.0	2.6	1.7
Lain-lain *Others*	0.8	0.9	0.7	0.8	0.9	0.8	0.7	0.9	0.7
Bukan warganegara Malaysia *Non-Malaysian citizens*	5.1	4.1	5.6	5.1	3.9	5.6	5.4	5.1	5.5

Jadual A7.3: **Penduduk luar tenaga buruh mengikut pencapaian pendidikan, strata dan jantina, Malaysia, 2022**
Table A7.3: *Population outside labour force by educational attainment, strata and sex, Malaysia, 2022*

Pencapaian pendidikan *Educational attainment*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah ('000) *Total*	**7,110.2**	**2,163.4**	**4,946.8**	**5,539.1**	**1,737.6**	**3,801.6**	**1,571.1**	**425.9**	**1,145.2**
Tiada pendidikan rasmi *No formal education*	325.4	74.1	251.4	220.1	48.5	171.7	105.3	25.6	79.7
Rendah *Primary*	630.4	127.8	502.6	431.7	88.6	343.1	198.7	39.2	159.5
Menengah *Secondary*	4,222.0	1,337.7	2,884.3	3,294.5	1,080.3	2,214.2	927.6	257.4	670.1
Tertiari *Tertiary*	1,932.3	623.8	1,308.5	1,592.9	520.2	1,072.7	339.5	103.6	235.8
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Tiada pendidikan rasmi *No formal education*	4.6	3.4	5.1	4.0	2.8	4.5	6.7	6.0	7.0
Rendah *Primary*	8.9	5.9	10.2	7.8	5.1	9.0	12.6	9.2	13.9
Menengah *Secondary*	59.4	61.8	58.3	59.5	62.2	58.2	59.0	60.4	58.5
Tertiari *Tertiary*	27.2	28.8	26.5	28.8	29.9	28.2	21.6	24.3	20.6

Jadual A7.4: **Penduduk luar tenaga buruh mengikut sijil tertinggi diperoleh, strata dan jantina, Malaysia, 2022**
Table A7.4: *Population outside labour force by highest certificate obtained, strata and sex, Malaysia, 2022*

Sijil tertinggi diperoleh *Highest certificate obtained*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah ('000) *Total*	**7,110.2**	**2,163.4**	**4,946.8**	**5,539.1**	**1,737.6**	**3,801.6**	**1,571.1**	**425.9**	**1,145.2**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	895.0	307.0	588.1	663.5	241.1	422.5	231.5	65.9	165.6
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	1,624.1	658.9	965.2	1,260.1	523.6	736.4	364.0	135.3	228.7
SPM atau yang setaraf *SPM or equivalent*	2,762.5	719.0	2,043.5	2,179.9	589.3	1,590.7	582.5	129.7	452.8
STPM atau yang setaraf *STPM or equivalent*	578.3	149.8	428.5	496.4	129.4	367.0	81.9	20.4	61.5
Sijil *Certificate*	64.1	27.2	36.9	50.5	22.9	27.6	13.6	4.2	9.4
Diploma	347.0	101.8	245.2	276.5	83.1	193.5	70.5	18.7	51.8
Ijazah *Degree*	292.9	78.2	214.7	244.6	68.2	176.4	48.3	10.0	38.3
Tiada sijil *No certificate*	222.6	48.4	174.2	149.0	32.4	116.6	73.6	16.0	57.6
Tidak berkenaan *Not applicable*	323.7	73.2	250.5	218.6	47.6	171.0	105.2	25.6	79.6
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	12.6	14.2	11.9	12.0	13.9	11.1	14.7	15.5	14.5
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	22.8	30.5	19.5	22.7	30.1	19.4	23.2	31.8	20.0
SPM atau yang setaraf *SPM or equivalent*	38.9	33.2	41.3	39.4	33.9	41.8	37.1	30.5	39.5
STPM atau yang setaraf *STPM or equivalent*	8.1	6.9	8.7	9.0	7.4	9.7	5.2	4.8	5.4
Sijil *Certificate*	0.9	1.3	0.7	0.9	1.3	0.7	0.9	1.0	0.8
Diploma	4.9	4.7	5.0	5.0	4.8	5.1	4.5	4.4	4.5
Ijazah *Degree*	4.1	3.6	4.3	4.4	3.9	4.6	3.1	2.4	3.3
Tiada sijil *No certificate*	3.1	2.2	3.5	2.7	1.9	3.1	4.7	3.8	5.0
Tidak berkenaan *Not applicable*	4.6	3.4	5.1	3.9	2.7	4.5	6.7	6.0	7.0

Jadual A7.5: **Penduduk luar tenaga buruh mengikut sebab tidak mencari kerja, strata dan jantina, Malaysia, 2022**
Table A7.5: *Population outside labour force by reasons for not seeking work, strata and sex, Malaysia, 2022*

Sebab tidak mencari kerja *Reasons for not seeking work*	**Jumlah** *Total*			**Bandar** *Urban*			**Luar Bandar** *Rural*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
Jumlah ('000) *Total*	**7,110.2**	**2,163.4**	**4,946.8**	**5,539.1**	**1,737.6**	**3,801.6**	**1,571.0**	**425.9**	**1,145.2**
Masih belajar *Schooling*	**2,906.9**	**1,374.1**	**1,532.8**	**2,347.8**	**1,113.9**	1,233.9	**559.1**	260.2	298.9
Kerja rumah/ tanggungjawab keluarga *Housework/family responsibilities*	**3,162.9**	**50.5**	**3,112.3**	**2,361.2**	**37.2**	2,324.0	**801.7**	13.3	788.4
Akan melanjutkan pelajaran *Going for further studies*	**149.7**	**96.3**	**53.4**	**116.4**	**75.2**	41.2	**33.3**	21.1	12.2
Hilang upaya *Disabled*	**211.6**	**152.8**	**58.8**	**149.3**	**107.6**	41.7	**62.3**	45.2	17.1
Tidak berminat *Not interested*	**63.0**	**51.4**	**11.6**	**43.2**	**35.2**	7.9	**19.8**	16.2	3.6
Sudah bersara *Retired*	**616.1**	**438.2**	**177.8**	**521.2**	**368.4**	152.9	**94.8**	69.9	25.0
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Masih belajar *Schooling*	**40.9**	**63.5**	**31.0**	**42.4**	**64.1**	32.5	**35.6**	61.1	26.1
Kerja rumah/ tanggungjawab keluarga *Housework/family responsibilities*	**44.5**	**2.3**	**62.9**	**42.6**	**2.1**	61.1	**51.0**	3.1	68.8
Akan melanjutkan pelajaran *Going for further studies*	**2.1**	**4.5**	**1.1**	**2.1**	**4.3**	1.1	**2.1**	4.9	1.1
Hilang upaya *Disabled*	**3.0**	**7.1**	**1.2**	**2.7**	**6.2**	1.1	**4.0**	10.6	1.5
Tidak berminat *Not interested*	**0.9**	**2.4**	**0.2**	**0.8**	**2.0**	0.2	**1.3**	3.8	0.3
Sudah bersara *Retired*	**8.7**	**20.3**	**3.6**	**9.4**	**21.2**	4.0	**6.0**	16.4	2.2

Jadual A7.6: **Penduduk luar tenaga buruh mengikut sebab tidak mencari kerja dan sijil tertinggi diperoleh, Malaysia, 2022**
Table A7.6: Population outside labour force by reasons for not seeking work and highest certificate obtained, Malaysia, 2022

Sijil tertinggi diperoleh *Highest certificate obtained*	**Jumlah** *Total*	**Sebab tidak mencari kerja** *Reasons for not seeking work*					
		Masih belajar *Schooling*	**Kerja rumah/ tanggungjawab keluarga** *Housework/family responsibilities*	**Akan melanjutkan pelajaran** *Going for further studies*	**Hilang upaya** *Disabled*	**Tidak berminat** *Not interested*	**Sudah bersara** *Retired*
Jumlah ('000) *Total*	**7,110.2**	**2,906.9**	**3,162.9**	**149.7**	**211.6**	**63.0**	**616.1**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	895.0	388.3	384.7	0.9	28.5	8.7	84.0
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	1,624.1	1,083.8	419.5	13.0	25.9	5.0	77.0
SPM atau yang setaraf *SPM or equivalent*	2,762.5	888.1	1,464.5	96.6	51.0	25.7	236.6
STPM atau yang setaraf *STPM or equivalent*	578.3	282.9	228.9	13.5	4.4	3.1	45.4
Sijil *Certificate*	64.1	21.3	27.2	4.0	1.4	1.6	8.6
Diploma	347.0	158.4	131.0	10.7	4.0	3.4	39.5
Ijazah *Degree*	292.9	68.0	136.2	9.3	3.4	6.8	69.3
Tiada sijil *No certificate*	222.6	10.4	157.2	0.7	17.2	2.5	34.6
Tidak berkenaan *Not applicable*	323.7	5.9	213.6	1.0	75.9	6.2	21.1
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	12.6	13.4	12.2	0.6	13.5	13.8	13.6
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	22.8	37.3	13.3	8.7	12.2	7.9	12.5
SPM atau yang setaraf *SPM or equivalent*	38.9	30.6	46.3	64.5	24.1	40.8	38.4
STPM atau yang setaraf *STPM or equivalent*	8.1	9.7	7.2	9.0	2.1	5.0	7.4
Sijil *Certificate*	0.9	0.7	0.9	2.7	0.7	2.5	1.4
Diploma	4.9	5.5	4.1	7.1	1.9	5.4	6.4
Ijazah *Degree*	4.1	2.3	4.3	6.2	1.6	10.8	11.3
Tiada sijil *No certificate*	3.1	0.4	5.0	0.5	8.1	3.9	5.6
Tidak berkenaan *Not applicable*	4.6	0.2	6.8	0.7	35.9	9.8	3.4

Jadual A7.7: **Penduduk luar tenaga buruh mengikut sebab tidak mencari kerja, sijil tertinggi diperoleh dan jantina, Malaysia, 2022**
Table A7.7: Population outside labour force by reasons for not seeking work, highest certificate obtained and sex, Malaysia, 2022

Lelaki/*Male*							
Sijil tertinggi diperoleh *Highest certificate obtained*	**Jumlah** *Total*	**Sebab tidak mencari kerja** Reasons for not seeking work					
		Masih belajar *Schooling*	**Kerja rumah/ tanggungjawab keluarga** *Housework/family responsibilities*	**Akan melanjutkan pelajaran** *Going for further studies*	**Hilang upaya** *Disabled*	**Tidak berminat** *Not interested*	**Sudah bersara** *Retired*
Jumlah ('000) *Total*	**2,163.4**	**1,374.1**	**50.5**	**96.3**	**152.8**	**51.4**	**438.2**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	307.0	205.2	9.1	0.7	21.3	8.2	62.4
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	658.9	556.9	9.0	7.9	19.3	4.3	61.6
SPM atau yang setaraf *SPM or equivalent*	719.0	406.2	17.1	64.6	39.2	22.6	169.3
STPM atau yang setaraf *STPM or equivalent*	149.8	101.2	1.1	6.6	3.8	2.8	34.4
Sijil *Certificate*	27.2	13.8	0.5	3.5	1.3	1.5	6.4
Diploma	101.8	65.0	3.0	6.9	3.8	1.5	21.5
Ijazah *Degree*	78.2	18.3	3.3	5.3	2.3	3.5	45.5
Tiada sijil *No certificate*	48.4	6.4	3.3	0.2	12.8	2.5	23.2
Tidak berkenaan *Not applicable*	73.2	1.1	4.2	0.6	48.8	4.5	13.9
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	14.2	14.9	17.9	0.8	14.0	15.9	14.2
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	30.5	40.5	17.8	8.2	12.6	8.4	14.1
SPM atau yang setaraf *SPM or equivalent*	33.2	29.6	33.8	67.1	25.7	44.0	38.6
STPM atau yang setaraf *STPM or equivalent*	6.9	7.4	2.2	6.8	2.5	5.3	7.8
Sijil *Certificate*	1.3	1.0	1.1	3.7	0.9	3.0	1.5
Diploma	4.7	4.7	5.9	7.2	2.5	3.0	4.9
Ijazah *Degree*	3.6	1.3	6.4	5.5	1.5	6.8	10.4
Tiada sijil *No certificate*	2.2	0.5	6.5	0.2	8.4	4.8	5.3
Tidak berkenaan *Not applicable*	3.4	0.1	8.3	0.6	31.9	8.8	3.2

Jadual A7.7: Penduduk luar tenaga buruh mengikut sebab tidak mencari kerja, sijil tertinggi diperoleh dan jantina, Malaysia, 2022 (samb.)

Table A7.7: Population outside labour force by reasons for not seeking work and highest certificate obtained, sex, Malaysia, 2022 (cont'd)

Perempuan/*Female*

Sijil tertinggi diperoleh *Highest certificate obtained*	**Jumlah** *Total*	**Sebab tidak mencari kerja** *Reasons for not seeking work*					
		Masih belajar *Schooling*	**Kerja rumah/ tanggungjawab keluarga** *Housework/family responsibilities*	**Akan melanjutkan pelajaran** *Going for further studies*	**Hilang upaya** *Disabled*	**Tidak berminat** *Not interested*	**Sudah bersara** *Retired*
Jumlah ('000) *Total*	**4,946.8**	**1,532.8**	**3,112.3**	**53.4**	**58.8**	**11.6**	**177.8**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	588.1	183.0	375.6	0.2	7.2	0.5	21.6
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	965.2	526.9	410.5	5.1	6.6	0.7	15.4
SPM atau yang setaraf *SPM or equivalent*	2,043.5	482.0	1,447.5	32.0	11.7	3.1	67.3
STPM atau yang setaraf *STPM or equivalent*	428.5	181.7	227.9	6.9	0.6	0.4	11.0
Sijil *Certificate*	36.9	7.4	26.7	0.5	0.1	0.1	2.2
Diploma	245.2	93.4	128.0	3.8	0.2	1.9	18.0
Ijazah *Degree*	214.7	49.6	132.9	4.0	1.1	3.3	23.8
Tiada sijil *No certificate*	174.2	4.0	153.9	0.5	4.3	0.0	11.4
Tidak berkenaan *Not applicable*	250.5	4.7	209.4	0.4	27.0	1.7	7.3
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	11.9	11.9	12.1	0.3	12.2	4.4	12.1
PT3/PMR/SRP/LCE/ SRA atau yang setaraf *PT3/PMR/SRP/LCE/ SRA or equivalent*	19.5	34.4	13.2	9.6	11.2	6.0	8.7
SPM atau yang setaraf *SPM or equivalent*	41.3	31.4	46.5	59.9	20.0	26.3	37.8
STPM atau yang setaraf *STPM or equivalent*	8.7	11.9	7.3	13.0	1.0	3.3	6.2
Sijil *Certificate*	0.7	0.5	0.9	0.9	0.1	0.6	1.2
Diploma	5.0	6.1	4.1	7.1	0.4	16.1	10.1
Ijazah *Degree*	4.3	3.2	4.3	7.6	1.8	28.8	13.4
Tiada sijil *No certificate*	3.5	0.3	4.9	0.9	7.4	0.0	6.4
Tidak berkenaan *Not applicable*	5.1	0.3	6.7	0.7	45.9	14.7	4.1

Jadual A7.8: **Penduduk luar tenaga buruh mengikut pengalaman bekerja, strata dan jantina, Malaysia, 2022**
Table A7.8: *Population outside labour force by working experience, strata and sex, Malaysia, 2022*

Pengalaman bekerja *Working experience*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah ('000) *Total*	**7,096.9**	**2,163.4**	**4,933.5**	**5,525.9**	**1,737.6**	**3,788.3**	**1,571.1**	**425.9**	**1,145.2**
Pernah bekerja *Worked before*	719.6	282.5	437.2	582.2	233.9	348.3	137.5	48.6	88.9
Tidak pernah bekerja *Never worked before*	6,377.3	1,881.0	4,496.3	4,943.7	1,503.7	3,440.1	1,433.6	377.3	1,056.3
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Pernah bekerja *Worked before*	10.1	13.1	8.9	10.5	13.5	9.2	8.8	11.4	7.8
Tidak pernah bekerja *Never worked before*	89.9	86.9	91.1	89.5	86.5	90.8	91.2	88.6	92.2

Jadual B1.1: **Kadar penyertaan tenaga buruh mengikut negeri, strata dan jantina, Malaysia, 2022**
Table B1.1: *Labour force participation rate by state, strata and sex, Malaysia, 2022*

Negeri *State*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah (%) *Total*	**69.3**	**81.9**	**55.8**	**70.2**	**81.7**	**58.2**	**65.5**	**82.7**	**45.5**
Johor	70.9	89.1	50.4	71.0	88.9	51.4	70.6	89.7	46.0
Kedah	63.8	79.1	48.0	64.8	77.4	51.8	60.6	84.2	35.9
Kelantan	58.0	72.2	43.4	61.2	70.8	51.6	53.8	74.1	32.4
Melaka	69.3	80.5	58.1	69.5	80.1	59.0	63.0	93.1	30.8
Negeri Sembilan	64.0	77.9	49.2	64.7	77.8	50.8	61.5	78.7	42.7
Pahang	64.8	79.4	48.2	65.3	79.6	49.9	63.8	78.9	44.8
Pulau Pinang	70.3	83.7	56.7	70.6	84.1	57.0	61.7	75.4	45.8
Perak	65.2	78.7	51.1	65.7	77.2	54.4	63.0	84.3	34.1
Perlis	64.2	80.5	48.2	65.2	78.1	52.9	61.7	85.7	36.2
Selangor	76.9	83.5	69.9	77.2	84.5	69.4	71.3	61.7	81.6
Terengganu	58.8	75.2	41.9	59.8	72.8	46.5	56.3	81.4	30.5
Sabah	70.9	83.7	56.9	69.4	80.6	57.8	73.7	88.8	55.0
Sarawak	67.9	82.5	52.0	68.1	82.3	53.3	67.3	83.0	49.2
W.P. Kuala Lumpur	72.4	80.5	63.9	72.4	80.5	63.9	n.a	n.a	n.a
W.P. Labuan	67.0	84.3	50.0	67.2	84.9	50.0	65.4	80.1	49.6
W.P. Putrajaya	75.7	74.4	76.8	75.7	74.4	76.8	n.a	n.a	n.a

Jadual B1.2: **Kadar penyertaan tenaga buruh mengikut negeri dan kumpulan umur, Malaysia, 2022**
Table B1.2: *Labour force participation rate by state and age group, Malaysia, 2022*

Negeri *State*	Jumlah *Total*	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah (%) *Total*	**69.3**	**24.6**	**65.5**	**85.5**	**86.8**	**84.4**	**84.2**	**78.6**	**72.6**	**59.7**	**35.8**
Johor	70.9	25.5	72.3	93.8	86.2	81.6	83.8	73.4	74.1	63.6	44.5
Kedah	63.8	18.7	62.5	84.8	82.3	73.9	83.9	75.5	66.8	58.3	26.4
Kelantan	58.0	15.5	41.2	69.6	82.9	75.9	82.8	74.8	68.1	52.6	43.9
Melaka	69.3	24.5	64.5	92.7	79.2	92.7	95.3	73.0	73.4	44.9	29.7
Negeri Sembilan	64.0	19.6	67.9	84.1	79.4	79.9	76.5	76.3	67.3	48.6	28.1
Pahang	64.8	20.0	61.9	73.4	81.6	82.6	79.3	78.1	73.6	62.5	32.1
Pulau Pinang	70.3	13.9	73.7	89.8	83.3	83.0	88.6	80.8	71.3	61.1	29.3
Perak	65.2	15.8	69.4	88.2	82.7	84.0	84.9	72.6	65.0	51.7	32.5
Perlis	64.2	18.1	57.1	74.2	82.6	80.4	76.1	81.6	72.7	57.7	34.4
Selangor	76.9	31.0	65.5	89.6	95.3	90.2	89.3	88.0	82.3	67.1	35.0
Terengganu	58.8	13.8	50.8	74.7	74.6	77.9	74.9	76.3	69.4	57.1	29.3
Sabah	70.9	41.2	73.7	86.8	85.8	81.0	75.9	73.1	69.4	58.3	32.6
Sarawak	67.9	20.9	58.5	80.4	89.7	85.8	82.8	74.9	71.9	69.9	48.8
W.P. Kuala Lumpur	72.4	15.4	75.5	94.3	87.7	91.4	86.2	84.0	67.2	46.3	36.9
W.P. Labuan	67.0	32.1	77.5	67.9	79.4	70.8	80.9	70.9	66.4	66.6	48.1
W.P. Putrajaya	75.7	58.0	77.4	68.3	98.9	88.0	78.7	74.2	88.8	63.5	17.6

Jadual B1.3: **Kadar penyertaan tenaga buruh mengikut negeri, kumpulan umur dan jantina, Malaysia, 2022**
Table B1.3: *Labour force participation rate by state, age group and sex, Malaysia, 2022*

Lelaki/*Male*											
Negeri *State*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah (%) *Total*	**81.9**	**28.9**	**76.1**	**92.6**	**96.8**	**98.2**	**98.4**	**96.8**	**93.7**	**84.7**	**54.0**
Johor	89.1	34.3	93.6	100.0	99.9	99.9	100.0	99.6	99.9	99.8	67.8
Kedah	79.1	21.1	72.3	97.6	96.9	98.1	98.5	91.7	92.4	88.6	48.4
Kelantan	72.2	23.9	56.6	77.0	96.4	93.6	98.2	97.1	94.5	78.7	50.4
Melaka	80.5	43.6	78.3	98.5	83.3	96.7	97.3	88.9	89.3	71.4	47.3
Negeri Sembilan	77.9	23.9	86.7	89.7	87.1	97.4	97.6	94.8	88.1	69.3	43.8
Pahang	79.4	25.8	68.2	79.8	98.5	99.2	98.8	97.8	98.3	96.0	53.1
Pulau Pinang	83.7	21.9	84.8	92.5	97.5	99.7	100.0	99.3	95.6	84.5	43.2
Perak	78.7	19.1	82.1	92.4	94.7	99.0	97.5	95.7	88.0	75.2	51.1
Perlis	80.5	26.0	58.3	98.9	95.0	98.7	97.7	95.1	95.4	85.8	46.2
Selangor	83.5	28.9	66.4	95.3	97.2	97.6	98.0	99.6	90.5	84.1	59.8
Terengganu	75.2	19.6	59.3	89.7	96.5	98.4	97.7	96.7	91.7	86.4	42.3
Sabah	83.7	42.3	88.1	93.6	98.5	97.4	97.6	95.4	91.0	83.1	44.5
Sarawak	82.5	26.6	71.1	90.1	98.4	99.2	98.9	97.2	98.0	96.3	71.3
W.P. Kuala Lumpur	80.5	24.0	68.2	99.3	97.2	100.0	98.8	89.8	98.8	60.3	36.4
W.P. Labuan	84.3	46.8	97.0	70.3	100.0	82.6	97.5	100.0	97.7	90.3	70.7
W.P. Putrajaya	74.4	7.0	96.3	62.3	98.1	97.4	80.9	97.2	91.1	77.8	16.5

Jadual B1.3: **Kadar penyertaan tenaga buruh mengikut negeri, kumpulan umur dan jantina, Malaysia, 2022 (samb.)**
Table B1.3: *Labour force participation rate by state, age group and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*											
Negeri *State*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah (%) *Total*	**55.8**	**20.0**	**53.8**	**77.5**	**75.9**	**69.8**	**69.1**	**59.9**	**52.1**	**34.4**	**15.9**
Johor	50.4	16.0	47.5	86.3	70.2	61.4	65.8	45.4	47.9	24.8	13.0
Kedah	48.0	16.0	51.5	70.4	67.2	50.1	69.4	59.8	43.6	29.7	4.6
Kelantan	43.4	6.2	24.7	61.5	67.1	55.9	67.5	56.0	45.8	30.4	38.5
Melaka	58.1	3.4	49.7	86.8	75.0	89.0	93.4	57.6	59.8	20.1	13.6
Negeri Sembilan	49.2	14.7	46.5	77.5	69.7	61.4	55.1	58.3	48.3	30.3	14.5
Pahang	48.2	13.0	54.6	65.4	61.7	62.8	55.9	56.8	48.5	30.5	11.8
Pulau Pinang	56.7	5.7	62.3	86.9	69.8	66.1	76.8	61.9	47.3	38.4	14.7
Perak	51.1	12.5	56.2	83.7	68.1	68.0	72.0	49.5	43.9	28.7	11.3
Perlis	48.2	10.6	55.8	49.2	67.1	61.3	57.8	70.2	52.1	32.3	24.1
Selangor	69.9	33.2	64.5	83.1	93.4	82.7	79.9	75.5	73.8	49.1	9.4
Terengganu	41.9	7.7	42.2	59.2	50.1	54.2	51.2	57.5	49.4	29.1	17.3
Sabah	56.9	39.9	58.0	79.4	72.0	63.4	52.6	49.4	46.3	31.7	16.0
Sarawak	52.0	15.0	43.9	69.2	80.5	71.3	65.9	52.2	44.2	40.8	23.2
W.P. Kuala Lumpur	63.9	6.3	83.6	88.4	77.7	82.9	73.1	77.7	41.5	31.2	37.6
W.P. Labuan	50.0	17.8	59.8	65.7	60.4	58.3	63.4	43.8	36.5	39.3	19.8
W.P. Putrajaya	76.8	100.0	63.5	86.7	99.3	82.4	76.9	57.5	87.0	47.7	18.8

Jadual B1.4: **Kadar penyertaan tenaga buruh mengikut negeri, kumpulan umur dan strata, Malaysia, 2022**
Table B1.4: *Labour force participation rate by state, age group and strata, Malaysia, 2022*

Bandar/*Urban*											
Negeri *State*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah (%) *Total*	**70.2**	**23.5**	**64.7**	**87.4**	**89.2**	**86.0**	**85.8**	**79.3**	**73.2**	**59.3**	**32.7**
Johor	71.0	24.8	68.1	95.0	87.8	81.0	85.5	73.7	74.0	64.5	45.2
Kedah	64.8	17.8	63.5	87.7	82.7	75.7	86.9	76.1	68.0	59.0	21.7
Kelantan	61.2	11.6	42.7	81.0	85.4	82.7	87.8	77.3	67.4	50.2	47.0
Melaka	69.5	23.6	64.3	93.8	79.8	93.0	95.6	72.9	73.5	44.2	29.5
Negeri Sembilan	64.7	20.3	68.2	83.8	79.7	80.5	75.9	76.1	67.7	49.0	28.8
Pahang	65.3	19.9	61.2	74.9	80.8	84.9	80.3	79.2	78.0	64.4	25.8
Pulau Pinang	70.6	13.3	73.3	89.4	85.7	83.8	88.8	80.9	71.6	61.2	29.4
Perak	65.7	14.6	70.0	90.0	86.4	84.4	86.8	72.8	65.5	51.2	25.3
Perlis	65.2	18.8	62.8	75.6	82.6	82.3	75.7	90.9	70.8	56.3	32.0
Selangor	77.2	29.6	64.7	90.0	96.8	90.8	89.6	87.7	82.6	67.9	35.2
Terengganu	59.8	14.5	53.6	79.8	74.8	77.1	77.9	76.6	69.1	53.1	18.7
Sabah	69.4	40.8	66.9	85.1	89.1	81.8	75.9	70.9	68.7	54.3	19.1
Sarawak	68.1	17.7	56.6	78.7	97.1	90.9	83.9	74.8	69.7	67.9	43.7
W.P. Kuala Lumpur	72.4	15.4	75.5	94.3	87.7	91.4	86.2	84.0	67.2	46.3	36.9
W.P. Labuan	67.2	30.4	79.0	66.1	79.9	77.0	79.4	69.5	63.9	67.2	45.5
W.P. Putrajaya	75.7	58.0	77.4	68.3	98.9	88.0	78.7	74.2	88.8	63.5	17.6

Jadual B1.4: **Kadar penyertaan tenaga buruh mengikut negeri, kumpulan umur dan strata, Malaysia, 2022 (samb.)**
Table B1.4: *Labour force participation rate by state, age group and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*											
Negeri *State*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah (%) *Total*	**65.5**	**28.5**	**68.3**	**78.3**	**76.5**	**76.8**	**76.4**	**75.5**	**70.3**	**61.3**	**46.1**
Johor	70.6	29.2	91.7	88.0	79.0	84.4	75.8	72.0	74.4	59.6	42.7
Kedah	60.6	21.5	59.7	76.8	80.8	67.0	72.2	73.1	63.1	56.2	39.0
Kelantan	53.8	20.0	39.0	54.9	79.6	66.8	75.8	71.7	69.0	55.7	39.9
Melaka	63.0	46.2	69.7	56.3	61.0	81.0	86.4	75.5	71.5	61.6	36.9
Negeri Sembilan	61.5	17.1	66.3	85.2	78.2	77.2	79.0	76.8	65.8	47.0	25.7
Pahang	63.8	20.1	63.2	70.4	82.8	78.4	77.4	76.2	65.5	59.0	41.9
Pulau Pinang	61.7	29.4	80.6	96.7	17.7	57.4	81.8	77.0	62.5	55.4	26.9
Perak	63.0	20.8	66.7	80.1	69.4	82.2	74.9	71.7	61.7	54.2	54.8
Perlis	61.7	16.4	41.1	71.5	82.7	76.2	77.1	57.3	77.0	61.5	40.4
Selangor	71.3	55.0	87.5	79.1	64.7	76.6	80.9	94.2	77.4	54.4	29.0
Terengganu	56.3	12.4	43.2	61.3	73.9	80.2	66.8	75.4	70.1	66.1	54.3
Sabah	73.7	41.8	85.5	89.8	79.0	79.5	75.8	77.1	70.7	67.0	52.3
Sarawak	67.3	26.5	62.8	84.2	75.1	75.6	80.4	75.0	75.6	73.3	56.9
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	65.4	44.6	68.4	84.2	74.3	27.4	89.4	79.0	84.5	61.8	69.1
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B1.5: **Kadar penyertaan tenaga buruh mengikut negeri dan pencapaian pendidikan, Malaysia, 2022**
Table B1.5: *Labour force participation rate by state and educational attainment, Malaysia, 2022*

Negeri *State*	Jumlah *Total*	Tiada pendidikan rasmi *No formal education*	Rendah *Primary*	Menengah *Secondary*	Tertiari *Tertiary*
Jumlah (%) *Total*	**69.3**	**56.1**	**67.8**	**67.5**	**74.1**
Johor	70.9	55.0	61.1	71.2	74.5
Kedah	63.8	45.0	58.1	64.4	65.4
Kelantan	58.0	47.7	62.8	58.7	57.1
Melaka	69.3	37.8	54.3	69.1	73.0
Negeri Sembilan	64.0	34.6	56.2	63.4	68.0
Pahang	64.8	49.7	59.6	66.3	63.9
Pulau Pinang	70.3	53.8	57.4	69.7	74.7
Perak	65.2	38.6	56.6	64.2	71.8
Perlis	64.2	49.9	65.1	62.8	67.1
Selangor	76.9	61.9	68.4	72.4	83.2
Terengganu	58.8	55.1	61.0	58.2	59.7
Sabah	70.9	62.9	81.4	67.9	72.6
Sarawak	67.9	49.5	69.5	69.4	66.4
W.P. Kuala Lumpur	72.4	47.5	60.8	62.4	84.2
W.P. Labuan	67.0	57.6	62.0	61.5	78.2
W.P. Putrajaya	75.7	31.1	68.2	70.8	79.5

Jadual B1.6: **Kadar penyertaan tenaga buruh mengikut negeri, pencapaian pendidikan dan jantina, Malaysia, 2022**
Table B1.6: *Labour force participation rate by state, educational attainment and sex, Malaysia, 2022*

Lelaki/*Male*					
Negeri *State*	**Jumlah** *Total*	**Tiada pendidikan rasmi** *No formal education*	**Rendah** *Primary*	**Menengah** *Secondary*	**Tertiari** *Tertiary*
Jumlah (%) *Total*	**81.9**	**79.4**	**87.8**	**80.8**	**82.6**
Johor	89.1	89.8	87.5	88.4	91.7
Kedah	79.1	66.6	85.2	81.3	73.2
Kelantan	72.2	62.9	86.5	75.8	63.8
Melaka	80.5	54.7	77.0	81.1	81.0
Negeri Sembilan	77.9	53.2	83.5	77.6	78.8
Pahang	79.4	56.9	83.7	82.3	71.6
Pulau Pinang	83.7	70.5	75.2	83.2	87.0
Perak	78.7	51.4	80.6	78.3	81.4
Perlis	80.5	66.6	92.4	82.6	75.0
Selangor	83.5	93.3	86.0	78.6	88.4
Terengganu	75.2	76.3	84.4	77.8	68.1
Sabah	83.7	90.1	93.2	78.8	82.1
Sarawak	82.5	67.8	92.0	84.0	75.0
W.P. Kuala Lumpur	80.5	64.6	80.1	72.8	88.4
W.P. Labuan	84.3	73.4	88.2	81.0	91.6
W.P. Putrajaya	74.4	0.0	91.4	61.9	83.2

Jadual B1.6: **Kadar penyertaan tenaga buruh mengikut negeri, pencapaian pendidikan dan jantina, Malaysia, 2022 (samb.)**
Table B1.6: *Labour force participation rate by state, educational attainment and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*					
Negeri *State*	**Jumlah** *Total*	**Tiada pendidikan rasmi** *No formal education*	**Rendah** *Primary*	**Menengah** *Secondary*	**Tertiari** *Tertiary*
Jumlah (%) *Total*	**55.8**	**34.3**	**44.7**	**52.1**	**66.2**
Johor	50.4	29.3	29.0	49.7	59.6
Kedah	48.0	21.0	30.7	44.4	59.3
Kelantan	43.4	31.8	39.1	39.0	51.5
Melaka	58.1	16.7	35.2	55.8	66.2
Negeri Sembilan	49.2	17.2	29.2	45.7	58.8
Pahang	48.2	39.3	34.4	45.8	57.2
Pulau Pinang	56.7	32.9	45.8	54.9	63.3
Perak	51.1	20.7	28.1	48.0	64.2
Perlis	48.2	39.0	39.7	40.7	60.6
Selangor	69.9	30.2	47.6	65.6	77.7
Terengganu	41.9	28.9	32.5	37.1	52.1
Sabah	56.9	38.5	65.9	54.9	64.5
Sarawak	52.0	37.6	43.1	51.8	58.9
W.P. Kuala Lumpur	63.9	26.9	36.4	51.9	79.7
W.P. Labuan	50.0	33.0	27.8	40.7	67.8
W.P. Putrajaya	76.8	50.0	0.0	80.3	77.0

Jadual B1.7: **Kadar penyertaan tenaga buruh mengikut negeri, pencapaian pendidikan dan strata, Malaysia, 2022**
Table B1.7: *Labour force participation rate by state, educational attainment and strata, Malaysia, 2022*

Bandar/*Urban*					
Negeri *State*	**Jumlah** *Total*	**Tiada pendidikan rasmi** *No formal education*	**Rendah** *Primary*	**Menengah** *Secondary*	**Tertiari** *Tertiary*
Jumlah (%) *Total*	**70.2**	**54.8**	**64.0**	**68.1**	**75.7**
Johor	71.0	55.6	61.8	71.2	74.0
Kedah	64.8	46.4	55.1	64.9	67.6
Kelantan	61.2	48.6	66.1	61.6	61.1
Melaka	69.5	36.5	54.1	69.3	73.3
Negeri Sembilan	64.7	28.2	52.9	63.8	69.0
Pahang	65.3	51.6	51.1	66.8	65.7
Pulau Pinang	70.6	55.1	57.4	70.0	75.2
Perak	65.7	35.7	49.2	64.9	73.0
Perlis	65.2	47.2	61.5	62.2	70.6
Selangor	77.2	62.6	69.3	72.5	83.3
Terengganu	59.8	56.3	57.4	58.8	62.2
Sabah	69.4	61.8	78.5	66.8	73.0
Sarawak	68.1	35.3	60.6	70.8	67.3
W.P. Kuala Lumpur	72.4	47.5	60.8	62.4	84.2
W.P. Labuan	67.2	58.3	60.5	61.7	78.6
W.P. Putrajaya	75.7	31.1	68.2	70.8	79.5

Jadual B1.7: **Kadar penyertaan tenaga buruh mengikut negeri, pencapaian pendidikan dan strata, Malaysia, 2022 (samb.)**
Table B1.7: *Labour force participation rate by state, educational attainment and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*					
Negeri *State*	**Jumlah** *Total*	**Tiada pendidikan rasmi** *No formal education*	**Rendah** *Primary*	**Menengah** *Secondary*	**Tertiari** *Tertiary*
Jumlah (%) *Total*	**65.5**	**58.6**	**73.9**	**64.9**	**62.2**
Johor	70.6	52.2	59.2	71.2	78.0
Kedah	60.6	40.2	62.8	62.7	55.7
Kelantan	53.8	47.1	60.8	54.9	50.6
Melaka	63.0	53.3	58.3	64.1	63.0
Negeri Sembilan	61.5	47.9	62.3	61.6	62.3
Pahang	63.8	47.9	66.1	65.5	58.7
Pulau Pinang	61.7	15.6	56.0	64.1	60.2
Perak	63.0	48.2	70.5	61.3	63.3
Perlis	61.7	56.3	69.5	63.8	53.6
Selangor	71.3	49.2	58.8	70.5	77.8
Terengganu	56.3	52.2	66.8	56.8	52.1
Sabah	73.7	64.8	84.0	70.2	70.9
Sarawak	67.3	59.5	75.9	66.4	63.2
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	65.4	52.8	69.9	59.4	75.0
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B1.8: **Kadar penyertaan tenaga buruh mengikut negeri dan sijil tertinggi diperoleh, Malaysia, 2022**
Table B1.8: *Labour force participation rate by state and highest certificate obtained, Malaysia, 2022*

Negeri *State*	**Jumlah** *Total*	**UPSR/ UPSRA atau yang setaraf** *UPSR/ UPSRA or equivalent*	**PT3/PMR/ SRP/LCE/ SRA atau yang setaraf** *PT3/PMR/ SRP/LCE/ SRA or equivalent*	**SPM atau yang setaraf** *SPM or equivalent*	**STPM atau yang setaraf** *STPM or equivalent*	**Sijil** *Certificate*	**Diploma**	**Ijazah** *Degree*	**Tiada sijil** *No certificate*	**Tidak berkenaan** *Not applicable*
Jumlah (%) *Total*	**69.3**	**57.3**	**45.8**	**72.3**	**48.7**	**86.3**	**83.8**	**89.9**	**68.0**	**56.1**
Johor	70.9	53.3	51.5	76.7	60.3	90.3	81.0	87.7	56.6	53.9
Kedah	63.8	49.6	44.8	66.8	48.7	83.2	77.7	86.4	60.6	45.1
Kelantan	58.0	47.1	37.4	61.7	48.0	73.8	64.6	78.6	59.3	47.8
Melaka	69.3	49.2	48.9	71.2	52.2	86.1	82.6	86.4	49.7	37.8
Negeri Sembilan	64.0	49.6	42.6	68.3	45.6	80.7	73.3	83.5	48.8	34.6
Pahang	64.8	56.7	44.5	68.3	52.0	84.3	76.1	83.6	52.5	49.6
Pulau Pinang	70.3	48.5	48.8	74.5	55.7	89.6	77.7	87.4	61.9	53.8
Perak	65.2	51.1	39.8	71.3	47.8	81.8	84.5	89.8	49.1	38.9
Perlis	64.2	53.2	43.0	66.0	49.9	82.9	76.3	79.2	64.7	50.7
Selangor	76.9	55.2	43.5	78.6	35.0	95.8	96.6	96.0	70.1	61.8
Terengganu	58.8	46.2	35.9	61.4	44.0	79.2	68.6	78.2	59.6	54.8
Sabah	70.9	72.9	52.2	72.8	63.1	79.8	80.0	88.1	83.5	62.9
Sarawak	67.9	62.0	51.3	73.5	61.6	82.5	76.0	88.2	63.9	49.6
W.P. Kuala Lumpur	72.4	36.7	36.9	68.4	50.5	84.8	89.5	91.8	69.9	49.2
W.P. Labuan	67.0	51.1	43.9	65.9	76.6	91.2	83.8	86.9	62.6	57.6
W.P. Putrajaya	75.7	40.0	50.0	75.9	65.4	92.2	84.7	80.5	71.3	31.1

Jadual B1.9: **Kadar penyertaan tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan jantina, Malaysia, 2022**
Table B1.9: *Labour force participation rate by state, highest certificate obtained and sex, Malaysia, 2022*

Lelaki/*Male*

Negeri *State*	**Jumlah** *Total*	**UPSR/ UPSRA atau yang setaraf** *UPSR/ UPSRA or equivalent*	**PT3/PMR/ SRP/LCE/ SRA atau yang setaraf** *PT3/PMR/ SRP/LCE/ SRA or equivalent*	**SPM atau yang setaraf** *SPM or equivalent*	**STPM atau yang setaraf** *STPM or equivalent*	**Sijil** *Certificate*	**Diploma**	**Ijazah** *Degree*	**Tiada sijil** *No certificate*	**Tidak berkenaan** *Not applicable*
Jumlah (%) *Total*	**81.9**	**73.2**	**59.3**	**86.2**	**66.0**	**91.5**	**90.5**	**94.5**	**86.7**	**79.5**
Johor	89.1	75.9	70.9	94.3	88.5	98.4	97.8	99.2	85.5	89.2
Kedah	79.1	70.4	62.2	83.3	69.4	89.6	88.0	90.8	81.3	67.3
Kelantan	72.2	66.9	52.0	79.3	68.5	80.9	68.9	79.5	83.8	62.9
Melaka	80.5	69.5	66.0	82.6	65.9	88.8	90.3	91.8	69.8	54.7
Negeri Sembilan	77.9	69.8	54.0	83.9	64.3	90.3	84.7	90.5	74.5	53.2
Pahang	79.4	78.1	58.7	84.9	63.3	89.8	84.3	90.9	75.0	57.3
Pulau Pinang	83.7	63.4	64.9	88.1	77.8	92.2	92.5	95.7	76.3	70.5
Perak	78.7	70.6	54.3	85.8	64.6	90.8	90.4	94.2	77.1	52.0
Perlis	80.5	82.0	64.8	82.5	61.8	94.3	84.0	89.8	89.6	66.6
Selangor	83.5	59.9	46.3	86.9	49.6	96.7	96.1	96.4	87.8	93.2
Terengganu	75.2	64.9	50.1	81.6	45.2	88.7	80.2	88.8	80.3	76.2
Sabah	83.7	84.6	62.2	85.4	79.8	81.9	88.9	92.7	93.6	90.1
Sarawak	82.5	80.6	67.5	88.6	75.5	87.2	80.9	94.4	86.5	68.1
W.P. Kuala Lumpur	80.5	49.3	48.2	77.8	57.6	93.1	93.8	95.9	87.5	66.2
W.P. Labuan	84.3	72.4	70.5	83.7	98.3	95.5	96.7	97.1	88.1	73.4
W.P. Putrajaya	74.4	0.0	12.6	79.6	78.9	97.5	83.8	82.5	83.6	0.0

Jadual B1.9: **Kadar penyertaan tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan jantina, Malaysia, 2022 (samb.)**
Table B1.9: *Labour force participation rate by state, highest certificate obtained and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*

Negeri *State*	**Jumlah** *Total*	**UPSR/ UPSRA atau yang setaraf** *UPSR/ UPSRA or equivalent*	**PT3/PMR/ SRP/LCE/ SRA atau yang setaraf** *PT3/PMR/ SRP/LCE/ SRA or equivalent*	**SPM atau yang setaraf** *SPM or equivalent*	**STPM atau yang setaraf** *STPM or equivalent*	**Sijil** *Certificate*	**Diploma**	**Ijazah** *Degree*	**Tiada sijil** *No certificate*	**Tidak berkenaan** *Not applicable*
Jumlah (%) *Total*	**55.8**	**38.0**	**29.9**	**57.1**	**37.6**	**75.0**	**77.3**	**85.5**	**47.2**	**34.2**
Johor	50.4	25.3	26.5	56.4	39.8	70.7	66.6	76.4	22.0	28.8
Kedah	48.0	27.0	23.8	48.0	38.6	69.8	69.3	83.4	41.7	20.5
Kelantan	43.4	25.1	19.1	42.3	33.3	54.1	60.8	78.0	38.0	31.9
Melaka	58.1	28.0	28.3	59.1	41.5	80.3	76.5	82.4	36.1	16.7
Negeri Sembilan	49.2	23.7	29.4	49.9	36.7	59.3	62.0	77.9	27.5	17.2
Pahang	48.2	30.0	25.0	48.5	44.2	69.8	68.9	78.1	34.0	38.4
Pulau Pinang	56.7	33.4	30.4	60.3	42.2	84.6	63.2	79.5	54.8	32.9
Perak	51.1	27.0	23.0	55.6	38.5	66.7	79.2	86.1	21.3	20.7
Perlis	48.2	26.6	18.0	47.6	44.0	48.7	69.3	73.3	39.2	40.0
Selangor	69.9	49.9	40.5	70.2	27.0	93.9	97.3	95.5	44.0	30.2
Terengganu	41.9	24.8	20.5	39.9	43.3	55.7	57.1	71.4	33.6	28.1
Sabah	56.9	57.4	39.8	58.6	48.4	76.8	72.0	84.4	71.0	38.4
Sarawak	52.0	37.9	32.3	56.3	51.7	70.4	71.1	82.9	40.6	37.6
W.P. Kuala Lumpur	63.9	21.3	25.8	59.4	42.1	63.7	86.3	86.5	41.5	28.2
W.P. Labuan	50.0	26.3	20.0	47.3	67.6	81.3	69.9	80.4	28.9	33.0
W.P. Putrajaya	76.8	72.2	98.3	72.7	61.2	79.5	85.4	78.9	0.0	50.0

Jadual B1.10: **Kadar penyertaan tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan strata, Malaysia, 2022**
Table B1.10: *Labour force participation rate by state, highest certificate obtained and strata, Malaysia, 2022*

Bandar/*Urban*

Negeri *State*	**Jumlah** *Total*	**UPSR/ UPSRA atau yang setaraf** *UPSR/ UPSRA or equivalent*	**PT3/PMR/ SRP/LCE/ SRA atau yang setaraf** *PT3/PMR/ SRP/LCE/ SRA or equivalent*	**SPM atau yang setaraf** *SPM or equivalent*	**STPM atau yang setaraf** *STPM or equivalent*	**Sijil** *Certificate*	**Diploma**	**Ijazah** *Degree*	**Tiada sijil** *No certificate*	**Tidak berkenaan** *Not applicable*
Jumlah (%) *Total*	**70.2**	**52.8**	**43.6**	**73.2**	**47.6**	**87.2**	**85.4**	**90.8**	**64.7**	**54.9**
Johor	71.0	52.6	48.8	77.3	56.8	89.0	80.4	87.8	53.5	54.4
Kedah	64.8	46.0	43.0	67.6	49.7	84.8	79.9	87.8	59.8	46.5
Kelantan	61.2	46.0	34.6	64.6	52.7	72.3	71.4	80.8	62.6	48.6
Melaka	69.5	48.9	48.2	71.5	52.3	86.3	82.9	86.5	49.9	36.5
Negeri Sembilan	64.7	46.5	42.0	69.2	45.0	79.9	73.2	84.1	47.9	28.2
Pahang	65.3	53.8	38.7	68.2	52.7	86.2	77.5	84.7	39.9	51.9
Pulau Pinang	70.6	48.4	49.0	74.8	55.3	90.1	78.2	87.8	62.2	55.1
Perak	65.7	47.5	37.4	72.2	47.5	82.9	86.6	91.3	37.7	36.1
Perlis	65.2	54.0	38.1	66.3	54.8	81.7	79.3	80.5	60.3	47.2
Selangor	77.2	55.2	42.2	78.9	34.4	96.2	96.9	96.3	71.8	62.4
Terengganu	59.8	46.8	34.1	62.1	45.1	81.2	70.6	80.4	52.4	55.8
Sabah	69.4	65.1	48.9	71.7	62.1	77.4	78.9	88.1	83.8	61.9
Sarawak	68.1	53.6	48.5	74.9	61.8	82.6	75.5	87.9	52.5	35.5
W.P. Kuala Lumpur	72.4	36.7	36.9	68.4	50.5	84.8	89.5	91.8	69.9	49.2
W.P. Labuan	67.2	51.1	41.7	66.4	78.5	90.0	85.7	86.7	61.5	58.3
W.P. Putrajaya	75.7	40.0	50.0	75.9	65.4	92.2	84.7	80.5	71.3	31.1

Jadual B1.10: **Kadar penyertaan tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan strata, Malaysia, 2022 (samb.)**
Table B1.10: *Labour force participation rate by state, highest certificate obtained and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*

Negeri *State*	**Jumlah** *Total*	**UPSR/ UPSRA atau yang setaraf** *UPSR/ UPSRA or equivalent*	**PT3/PMR/ SRP/LCE/ SRA atau yang setaraf** *PT3/PMR/ SRP/LCE/ SRA or equivalent*	**SPM atau yang setaraf** *SPM or equivalent*	**STPM atau yang setaraf** *STPM or equivalent*	**Sijil** *Certificate*	**Diploma**	**Ijazah** *Degree*	**Tiada sijil** *No certificate*	**Tidak berkenaan** *Not applicable*
Jumlah (%) *Total*	**65.5**	**66.4**	**52.2**	**68.2**	**54.5**	**81.4**	**72.1**	**80.5**	**73.0**	**58.5**
Johor	70.6	55.6	61.3	74.3	74.8	96.0	84.7	86.5	63.8	51.6
Kedah	60.6	56.0	49.2	64.5	44.5	77.4	67.6	79.0	62.4	40.2
Kelantan	53.8	48.0	40.4	57.7	42.2	76.7	53.4	74.0	57.0	47.2
Melaka	63.0	54.9	66.3	60.1	49.2	79.2	73.2	79.6	38.7	53.3
Negeri Sembilan	61.5	58.2	44.7	64.8	48.9	83.5	74.1	78.4	50.1	47.9
Pahang	63.8	59.7	51.6	68.6	50.2	77.9	71.4	79.9	62.4	47.2
Pulau Pinang	61.7	51.5	44.2	67.0	69.2	82.3	62.0	64.8	55.9	15.6
Perak	63.0	60.0	48.7	66.9	49.7	77.7	68.0	77.6	68.4	48.2
Perlis	61.7	51.8	52.2	65.6	36.5	86.8	62.7	72.6	68.2	59.4
Selangor	71.3	54.1	60.5	74.1	59.6	85.9	87.4	83.0	58.5	49.2
Terengganu	56.3	45.1	39.7	59.8	41.0	71.9	62.0	70.8	70.8	52.2
Sabah	73.7	79.9	56.9	75.4	66.3	86.6	84.8	88.3	83.2	64.6
Sarawak	67.3	69.9	55.6	69.8	61.1	82.1	77.8	89.8	71.4	59.5
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	65.4	50.8	59.4	61.6	54.2	99.0	73.3	88.4	68.3	52.8
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B2.1: **Tenaga buruh mengikut negeri, strata dan jantina, Malaysia, 2022**
Table B2.1: *Labour force by state, strata and sex, Malaysia, 2022*

Negeri *State*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah ('000) *Total*	**16,022.1**	**9,779.3**	**6,242.7**	**13,033.6**	**7,745.3**	**5,288.3**	**2,988.5**	**2,034.0**	**954.5**
Johor	1,881.4	1,252.3	629.1	1,536.6	1,005.3	531.4	344.8	247.1	97.7
Kedah	994.8	626.5	368.3	767.6	464.9	302.7	227.3	161.6	65.6
Kelantan	741.3	467.3	274.0	443.9	257.4	186.5	297.4	209.9	87.4
Melaka	454.8	264.2	190.6	441.3	253.9	187.4	13.5	10.3	3.2
Negeri Sembilan	491.8	309.2	182.6	399.1	247.2	151.9	92.7	62.0	30.7
Pahang	734.4	479.4	255.1	480.2	304.0	176.2	254.2	175.4	78.8
Pulau Pinang	898.6	538.7	359.9	870.8	520.5	350.4	27.8	18.3	9.5
Perak	1,118.8	689.9	428.9	915.8	533.6	382.2	203.0	156.3	46.7
Perlis	113.9	70.8	43.1	81.4	47.5	33.9	32.5	23.2	9.2
Selangor	3,731.9	2,090.6	1,641.3	3,581.7	2,023.2	1,558.5	150.3	67.4	82.9
Terengganu	498.3	323.3	175.0	362.5	223.8	138.7	135.8	99.5	36.3
Sabah	2,027.2	1,253.0	774.2	1,278.5	754.2	524.4	748.7	498.8	249.9
Sarawak	1,363.5	862.1	501.4	908.5	561.5	347.0	455.0	300.6	154.4
W.P. Kuala Lumpur	884.9	504.8	380.1	884.9	504.8	380.1	n.a.	n.a.	n.a.
W.P. Labuan	48.5	30.3	18.2	42.8	26.6	16.1	5.7	3.6	2.1
W.P. Putrajaya	37.9	17.0	20.9	37.9	17.0	20.9	n.a.	n.a.	n.a.
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.7	12.8	10.1	11.8	13.0	10.0	11.5	12.1	10.2
Kedah	6.2	6.4	5.9	5.9	6.0	5.7	7.6	7.9	6.9
Kelantan	4.6	4.8	4.4	3.4	3.3	3.5	9.9	10.3	9.2
Melaka	2.8	2.7	3.1	3.4	3.3	3.5	0.5	0.5	0.3
Negeri Sembilan	3.1	3.2	2.9	3.1	3.2	2.9	3.1	3.0	3.2
Pahang	4.6	4.9	4.1	3.7	3.9	3.3	8.5	8.6	8.3
Pulau Pinang	5.6	5.5	5.8	6.7	6.7	6.6	0.9	0.9	1.0
Perak	7.0	7.1	6.9	7.0	6.9	7.2	6.8	7.7	4.9
Perlis	0.7	0.7	0.7	0.6	0.6	0.6	1.1	1.1	1.0
Selangor	23.3	21.4	26.3	27.5	26.1	29.5	5.0	3.3	8.7
Terengganu	3.1	3.3	2.8	2.8	2.9	2.6	4.5	4.9	3.8
Sabah	12.7	12.8	12.4	9.8	9.7	9.9	25.1	24.5	26.2
Sarawak	8.5	8.8	8.0	7.0	7.2	6.6	15.2	14.8	16.2
W.P. Kuala Lumpur	5.5	5.2	6.1	6.8	6.5	7.2	n.a.	n.a.	n.a.
W.P. Labuan	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
W.P. Putrajaya	0.2	0.2	0.3	0.3	0.2	0.4	n.a.	n.a.	n.a.

Jadual B2.2: **Tenaga buruh mengikut negeri dan kumpulan umur, Malaysia, 2022**
Table B2.2: *Labour force by state and age group, Malaysia, 2022*

Negeri *State*	Jumlah *Total*	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) *Total*	**16,022.1**	**694.1**	**2,043.2**	**2,755.9**	**2,526.3**	**2,220.9**	**1,761.5**	**1,425.7**	**1,212.4**	**904.9**	**477.2**
Johor	1,881.4	81.2	262.3	312.4	268.0	243.3	210.2	162.2	148.5	114.3	79.0
Kedah	994.8	36.9	147.6	185.8	140.9	108.8	109.0	93.2	79.7	65.6	27.4
Kelantan	741.3	28.9	81.9	148.7	119.9	85.3	77.2	64.5	59.2	44.0	31.7
Melaka	454.8	18.7	55.9	95.3	67.2	63.7	50.0	34.0	36.4	21.5	12.0
Negeri Sembilan	491.8	19.1	73.3	90.7	77.7	61.4	47.3	44.7	37.3	26.4	13.9
Pahang	734.4	28.9	97.3	124.2	113.9	109.2	75.9	61.9	56.0	46.2	20.9
Pulau Pinang	898.6	17.4	117.7	156.4	127.7	124.3	107.7	90.9	75.3	56.5	24.5
Perak	1,118.8	33.5	168.9	215.1	171.1	130.3	111.6	90.6	85.8	68.6	43.4
Perlis	113.9	3.7	12.1	22.7	20.7	14.4	9.9	9.2	9.5	7.6	4.0
Selangor	3,731.9	156.6	361.5	524.2	665.1	610.3	461.6	375.2	294.0	201.8	81.7
Terengganu	498.3	17.0	63.9	94.0	81.1	64.6	48.4	45.2	39.8	31.0	13.3
Sabah	2,027.2	174.6	326.6	407.2	314.7	264.1	180.3	135.5	108.3	77.3	38.7
Sarawak	1,363.5	53.8	164.6	231.7	213.0	177.1	137.4	120.4	110.7	97.8	57.0
W.P. Kuala Lumpur	884.9	18.3	98.0	137.8	134.4	146.7	122.9	91.4	66.0	41.7	27.5
W.P. Labuan	48.5	2.8	6.4	6.2	7.1	8.1	6.1	4.0	3.2	2.9	1.7
W.P. Putrajaya	37.9	2.9	5.2	3.5	3.7	9.2	5.9	2.8	2.6	1.7	0.4
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.7	11.7	12.8	11.3	10.6	11.0	11.9	11.4	12.3	12.6	16.6
Kedah	6.2	5.3	7.2	6.7	5.6	4.9	6.2	6.5	6.6	7.2	5.7
Kelantan	4.6	4.2	4.0	5.4	4.7	3.8	4.4	4.5	4.9	4.9	6.7
Melaka	2.8	2.7	2.7	3.5	2.7	2.9	2.8	2.4	3.0	2.4	2.5
Negeri Sembilan	3.1	2.8	3.6	3.3	3.1	2.8	2.7	3.1	3.1	2.9	2.9
Pahang	4.6	4.2	4.8	4.5	4.5	4.9	4.3	4.3	4.6	5.1	4.4
Pulau Pinang	5.6	2.5	5.8	5.7	5.1	5.6	6.1	6.4	6.2	6.2	5.1
Perak	7.0	4.8	8.3	7.8	6.8	5.9	6.3	6.4	7.1	7.6	9.1
Perlis	0.7	0.5	0.6	0.8	0.8	0.6	0.6	0.6	0.8	0.8	0.8
Selangor	23.3	22.6	17.7	19.0	26.3	27.5	26.2	26.3	24.2	22.3	17.1
Terengganu	3.1	2.4	3.1	3.4	3.2	2.9	2.7	3.2	3.3	3.4	2.8
Sabah	12.7	25.1	16.0	14.8	12.5	11.9	10.2	9.5	8.9	8.5	8.1
Sarawak	8.5	7.7	8.1	8.4	8.4	8.0	7.8	8.4	9.1	10.8	12.0
W.P. Kuala Lumpur	5.5	2.6	4.8	5.0	5.3	6.6	7.0	6.4	5.4	4.6	5.8
W.P. Labuan	0.3	0.4	0.3	0.2	0.3	0.4	0.3	0.3	0.3	0.3	0.3
W.P. Putrajaya	0.2	0.4	0.3	0.1	0.1	0.4	0.3	0.2	0.2	0.2	0.1

Jadual B2.3: **Tenaga buruh mengikut negeri, kumpulan umur dan jantina, Malaysia, 2022**
Table B2.3: *Labour force by state, age group and sex, Malaysia, 2022*

Lelaki/*Male*											
Negeri *State*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah ('000) *Total*	**9,779.3**	**422.2**	**1,246.0**	**1,580.0**	**1,464.6**	**1,323.7**	**1,059.8**	**889.9**	**771.5**	**645.7**	**375.9**
Johor	1,252.3	56.4	182.5	181.4	166.7	156.5	132.2	113.8	100.8	92.7	69.2
Kedah	626.5	21.7	90.5	113.1	84.4	71.7	63.9	55.6	52.4	48.3	25.0
Kelantan	467.3	23.3	58.2	86.5	75.0	55.8	45.7	38.3	37.6	30.3	16.6
Melaka	264.2	17.5	35.1	51.4	36.2	32.2	25.4	20.4	20.5	16.5	9.1
Negeri Sembilan	309.2	12.5	49.7	52.2	47.5	38.5	30.4	27.4	23.3	17.7	10.0
Pahang	479.4	20.3	57.5	74.8	74.3	71.4	51.6	40.2	37.7	34.6	17.0
Pulau Pinang	538.7	13.9	68.4	83.2	72.7	75.1	61.8	56.4	50.2	38.5	18.5
Perak	689.9	20.1	101.9	115.3	107.3	79.3	65.0	59.7	55.5	49.4	36.4
Perlis	70.8	2.6	6.1	15.2	13.2	9.0	5.8	4.9	5.9	5.4	2.5
Selangor	2,090.6	75.4	195.1	296.8	342.1	331.3	263.4	220.5	164.8	130.3	70.9
Terengganu	323.3	12.4	37.6	57.4	55.4	43.8	32.1	27.5	24.9	23.0	9.3
Sabah	1,253.0	94.7	203.8	229.7	188.0	164.6	119.9	91.2	73.2	57.0	30.7
Sarawak	862.1	34.7	107.0	139.1	119.9	106.0	84.0	78.8	77.7	70.6	44.3
W.P. Kuala Lumpur	504.8	14.6	46.1	78.4	76.3	79.7	72.1	51.0	43.5	28.3	14.8
W.P. Labuan	30.3	2.0	3.8	3.0	4.3	4.9	3.8	2.7	2.3	2.1	1.4
W.P. Putrajaya	17.0	0.2	2.7	2.4	1.2	3.8	2.7	1.5	1.2	1.1	0.2
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	12.8	13.4	14.6	11.5	11.4	11.8	12.5	12.8	13.1	14.4	18.4
Kedah	6.4	5.1	7.3	7.2	5.8	5.4	6.0	6.2	6.8	7.5	6.6
Kelantan	4.8	5.5	4.7	5.5	5.1	4.2	4.3	4.3	4.9	4.7	4.4
Melaka	2.7	4.1	2.8	3.3	2.5	2.4	2.4	2.3	2.7	2.6	2.4
Negeri Sembilan	3.2	3.0	4.0	3.3	3.2	2.9	2.9	3.1	3.0	2.7	2.7
Pahang	4.9	4.8	4.6	4.7	5.1	5.4	4.9	4.5	4.9	5.4	4.5
Pulau Pinang	5.5	3.3	5.5	5.3	5.0	5.7	5.8	6.3	6.5	6.0	4.9
Perak	7.1	4.8	8.2	7.3	7.3	6.0	6.1	6.7	7.2	7.6	9.7
Perlis	0.7	0.6	0.5	1.0	0.9	0.7	0.6	0.6	0.8	0.8	0.7
Selangor	21.4	17.9	15.7	18.8	23.4	25.0	24.9	24.8	21.4	20.2	18.9
Terengganu	3.3	2.9	3.0	3.6	3.8	3.3	3.0	3.1	3.2	3.6	2.5
Sabah	12.8	22.4	16.4	14.5	12.8	12.4	11.3	10.2	9.5	8.8	8.2
Sarawak	8.8	8.2	8.6	8.8	8.2	8.0	7.9	8.9	10.1	10.9	11.8
W.P. Kuala Lumpur	5.2	3.5	3.7	5.0	5.2	6.0	6.8	5.7	5.6	4.4	3.9
W.P. Labuan	0.3	0.5	0.3	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.4
W.P. Putrajaya	0.2	0.0	0.2	0.2	0.1	0.3	0.3	0.2	0.2	0.2	0.0

Jadual B2.3: **Tenaga buruh mengikut negeri, kumpulan umur dan jantina, Malaysia, 2022 (samb.)**
Table B2.3: *Labour force by state, age group and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*											
Negeri *State*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah ('000) *Total*	**6,242.7**	**271.9**	**797.2**	**1,175.9**	**1,061.7**	**897.3**	**701.7**	**535.8**	**440.8**	**259.3**	**101.2**
Johor	629.1	24.8	79.8	131.0	101.3	86.8	78.0	48.4	47.7	21.5	9.8
Kedah	368.3	15.2	57.1	72.7	56.5	37.1	45.1	37.6	27.3	17.2	2.4
Kelantan	274.0	5.6	23.7	62.2	44.9	29.5	31.5	26.3	21.5	13.7	15.1
Melaka	190.6	1.3	20.8	43.9	31.1	31.5	24.7	13.7	15.9	5.0	2.8
Negeri Sembilan	182.6	6.7	23.5	38.5	30.2	22.9	16.9	17.4	14.0	8.8	3.9
Pahang	255.1	8.6	39.8	49.4	39.6	37.8	24.4	21.7	18.3	11.5	3.9
Pulau Pinang	359.9	3.5	49.3	73.2	55.0	49.2	45.9	34.6	25.1	18.0	6.0
Perak	428.9	13.4	67.0	99.7	63.8	50.9	46.6	30.9	30.3	19.3	7.1
Perlis	43.1	1.1	6.0	7.5	7.5	5.4	4.1	4.3	3.6	2.3	1.5
Selangor	1,641.3	81.2	166.4	227.3	323.0	279.1	198.2	154.7	129.2	71.5	10.8
Terengganu	175.0	4.5	26.4	36.6	25.7	20.8	16.3	17.7	14.9	8.1	4.1
Sabah	774.2	79.8	122.8	177.5	126.7	99.5	60.4	44.3	35.0	20.3	7.9
Sarawak	501.4	19.1	57.6	92.6	93.1	71.1	53.4	41.5	33.0	27.2	12.7
W.P. Kuala Lumpur	380.1	3.6	51.9	59.5	58.1	67.0	50.9	40.4	22.5	13.5	12.6
W.P. Labuan	18.2	0.8	2.6	3.1	2.8	3.3	2.3	1.3	0.9	0.8	0.3
W.P. Putrajaya	20.9	2.8	2.4	1.1	2.5	5.4	3.2	1.2	1.4	0.6	0.2
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	10.1	9.1	10.0	11.1	9.5	9.7	11.1	9.0	10.8	8.3	9.7
Kedah	5.9	5.6	7.2	6.2	5.3	4.1	6.4	7.0	6.2	6.6	2.4
Kelantan	4.4	2.1	3.0	5.3	4.2	3.3	4.5	4.9	4.9	5.3	14.9
Melaka	3.1	0.5	2.6	3.7	2.9	3.5	3.5	2.5	3.6	1.9	2.8
Negeri Sembilan	2.9	2.5	2.9	3.3	2.8	2.6	2.4	3.2	3.2	3.4	3.8
Pahang	4.1	3.2	5.0	4.2	3.7	4.2	3.5	4.0	4.2	4.5	3.9
Pulau Pinang	5.8	1.3	6.2	6.2	5.2	5.5	6.5	6.5	5.7	6.9	5.9
Perak	6.9	4.9	8.4	8.5	6.0	5.7	6.6	5.8	6.9	7.4	7.0
Perlis	0.7	0.4	0.8	0.6	0.7	0.6	0.6	0.8	0.8	0.9	1.5
Selangor	26.3	29.9	20.9	19.3	30.4	31.1	28.2	28.9	29.3	27.6	10.7
Terengganu	2.8	1.7	3.3	3.1	2.4	2.3	2.3	3.3	3.4	3.1	4.0
Sabah	12.4	29.4	15.4	15.1	11.9	11.1	8.6	8.3	7.9	7.8	7.8
Sarawak	8.0	7.0	7.2	7.9	8.8	7.9	7.6	7.8	7.5	10.5	12.5
W.P. Kuala Lumpur	6.1	1.3	6.5	5.1	5.5	7.5	7.2	7.5	5.1	5.2	12.5
W.P. Labuan	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.2	0.2	0.3	0.3
W.P. Putrajaya	0.3	1.0	0.3	0.1	0.2	0.6	0.5	0.2	0.3	0.2	0.2

Jadual B2.4: **Tenaga buruh mengikut negeri, kumpulan umur dan strata, Malaysia, 2022**
Table B2.4: *Labour force by state, age group and strata, Malaysia, 2022*

Bandar/*Urban*											
Negeri *State*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah ('000) *Total*	**13,033.6**	**517.2**	**1,603.1**	**2,231.1**	**2,103.1**	**1,861.7**	**1,491.3**	**1,176.2**	**990.8**	**723.8**	**335.1**
Johor	1,536.6	66.2	203.0	260.8	223.0	197.5	177.1	136.0	122.8	94.4	55.9
Kedah	767.6	26.8	111.6	140.7	109.7	88.5	89.9	73.7	61.0	49.5	16.3
Kelantan	443.9	11.8	49.8	97.7	69.9	53.3	48.2	37.1	33.2	23.6	19.4
Melaka	441.3	17.3	53.7	93.7	65.8	62.4	48.9	32.8	35.0	20.3	11.4
Negeri Sembilan	399.1	15.6	60.2	73.7	62.3	51.4	38.3	36.4	29.5	20.8	10.8
Pahang	480.2	19.0	63.7	83.7	70.5	73.0	51.0	40.1	38.2	30.8	10.3
Pulau Pinang	870.8	16.1	111.9	148.8	126.8	121.5	105.1	88.5	73.4	55.1	23.7
Perak	915.8	25.1	137.3	179.3	139.6	107.4	95.8	75.6	73.9	56.2	25.6
Perlis	81.4	2.7	9.8	15.5	13.7	10.2	7.5	7.5	6.5	5.5	2.7
Selangor	3,581.7	141.8	343.7	506.8	644.6	589.2	446.5	358.0	280.0	192.3	78.8
Terengganu	362.5	12.3	49.1	72.7	59.9	46.9	36.7	32.2	26.9	19.9	6.0
Sabah	1,278.5	109.5	188.8	253.1	219.7	172.1	116.2	84.6	71.5	49.5	13.5
Sarawak	908.5	29.5	111.8	157.9	152.9	124.9	96.3	76.3	67.5	59.9	31.6
W.P. Kuala Lumpur	884.9	18.3	98.0	137.8	134.4	146.7	122.9	91.4	66.0	41.7	27.5
W.P. Labuan	42.8	2.3	5.6	5.4	6.5	7.7	5.1	3.4	2.8	2.6	1.4
W.P. Putrajaya	37.9	2.9	5.2	3.5	3.7	9.2	5.9	2.8	2.6	1.7	0.4
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.8	12.8	12.7	11.7	10.6	10.6	11.9	11.6	12.4	13.0	16.7
Kedah	5.9	5.2	7.0	6.3	5.2	4.8	6.0	6.3	6.2	6.8	4.9
Kelantan	3.4	2.3	3.1	4.4	3.3	2.9	3.2	3.2	3.4	3.3	5.8
Melaka	3.4	3.3	3.3	4.2	3.1	3.4	3.3	2.8	3.5	2.8	3.4
Negeri Sembilan	3.1	3.0	3.8	3.3	3.0	2.8	2.6	3.1	3.0	2.9	3.2
Pahang	3.7	3.7	4.0	3.8	3.3	3.9	3.4	3.4	3.9	4.3	3.1
Pulau Pinang	6.7	3.1	7.0	6.7	6.0	6.5	7.0	7.5	7.4	7.6	7.1
Perak	7.0	4.8	8.6	8.0	6.6	5.8	6.4	6.4	7.5	7.8	7.6
Perlis	0.6	0.5	0.6	0.7	0.7	0.5	0.5	0.6	0.7	0.8	0.8
Selangor	27.5	27.4	21.4	22.7	30.7	31.6	29.9	30.4	28.3	26.6	23.5
Terengganu	2.8	2.4	3.1	3.3	2.8	2.5	2.5	2.7	2.7	2.8	1.8
Sabah	9.8	21.2	11.8	11.3	10.4	9.2	7.8	7.2	7.2	6.8	4.0
Sarawak	7.0	5.7	7.0	7.1	7.3	6.7	6.5	6.5	6.8	8.3	9.4
W.P. Kuala Lumpur	6.8	3.5	6.1	6.2	6.4	7.9	8.2	7.8	6.7	5.8	8.2
W.P. Labuan	0.3	0.5	0.3	0.2	0.3	0.4	0.3	0.3	0.3	0.4	0.4
W.P. Putrajaya	0.3	0.6	0.3	0.2	0.2	0.5	0.4	0.2	0.3	0.2	0.1

Jadual B2.4: **Tenaga buruh mengikut negeri, kumpulan umur dan strata, Malaysia, 2022 (samb.)**
Table B2.4: *Labour force by state, age group and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*											
Negeri *State*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah ('000) *Total*	**2,988.5**	**176.9**	**440.0**	**524.7**	**423.2**	**359.2**	**270.2**	**249.5**	**221.5**	**181.1**	**142.0**
Johor	344.8	15.0	59.3	51.6	45.1	45.9	33.1	26.2	25.7	19.8	23.1
Kedah	227.3	10.0	36.0	45.1	31.2	20.3	19.0	19.5	18.8	16.0	11.1
Kelantan	297.4	17.1	32.1	51.0	50.0	32.0	29.0	27.5	26.0	20.4	12.4
Melaka	13.5	1.4	2.2	1.6	1.4	1.3	1.1	1.2	1.4	1.2	0.6
Negeri Sembilan	92.7	3.5	13.0	16.9	15.4	10.0	9.0	8.4	7.7	5.6	3.1
Pahang	254.2	9.9	33.6	40.5	43.5	36.2	24.9	21.8	17.8	15.4	10.6
Pulau Pinang	27.8	1.3	5.8	7.7	1.0	2.8	2.6	2.4	1.9	1.4	0.8
Perak	203.0	8.4	31.5	35.7	31.4	22.9	15.8	15.1	11.9	12.5	17.9
Perlis	32.5	0.9	2.3	7.3	7.0	4.2	2.4	1.8	3.0	2.2	1.4
Selangor	150.3	14.8	17.9	17.3	20.5	21.2	15.2	17.1	14.0	9.5	2.9
Terengganu	135.8	4.7	14.8	21.3	21.2	17.7	11.7	13.0	12.9	11.1	7.4
Sabah	748.7	65.1	137.8	154.1	94.9	92.0	64.1	50.9	36.8	27.9	25.2
Sarawak	455.0	24.3	52.8	73.8	60.1	52.2	41.2	44.1	43.2	37.9	25.4
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	5.7	0.5	0.8	0.7	0.6	0.4	1.0	0.6	0.5	0.3	0.3
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.5	8.5	13.5	9.8	10.6	12.8	12.3	10.5	11.6	10.9	16.3
Kedah	7.6	5.7	8.2	8.6	7.4	5.7	7.0	7.8	8.5	8.9	7.8
Kelantan	9.9	9.7	7.3	9.7	11.8	8.9	10.7	11.0	11.7	11.2	8.7
Melaka	0.5	0.8	0.5	0.3	0.3	0.4	0.4	0.5	0.7	0.6	0.4
Negeri Sembilan	3.1	2.0	3.0	3.2	3.6	2.8	3.3	3.4	3.5	3.1	2.2
Pahang	8.5	5.6	7.6	7.7	10.3	10.1	9.2	8.7	8.0	8.5	7.5
Pulau Pinang	0.9	0.7	1.3	1.5	0.2	0.8	1.0	1.0	0.9	0.8	0.6
Perak	6.8	4.8	7.2	6.8	7.4	6.4	5.8	6.0	5.4	6.9	12.6
Perlis	1.1	0.5	0.5	1.4	1.7	1.2	0.9	0.7	1.3	1.2	1.0
Selangor	5.0	8.4	4.1	3.3	4.8	5.9	5.6	6.9	6.3	5.2	2.0
Terengganu	4.5	2.7	3.4	4.1	5.0	4.9	4.3	5.2	5.8	6.1	5.2
Sabah	25.1	36.8	31.3	29.4	22.4	25.6	23.7	20.4	16.6	15.4	17.7
Sarawak	15.2	13.7	12.0	14.1	14.2	14.5	15.2	17.7	19.5	20.9	17.9
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.2	0.3	0.2	0.1	0.1	0.1	0.4	0.2	0.2	0.2	0.2
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B2.5: **Tenaga buruh mengikut negeri dan pencapaian pendidikan, Malaysia, 2022**
Table B2.5: *Labour force by state and educational attainment, Malaysia, 2022*

Negeri *State*	Jumlah *Total*	Tiada pendidikan rasmi *No formal education*	Rendah *Primary*	Menengah *Secondary*	Tertiari *Tertiary*
Jumlah ('000) *Total*	**16,022.1**	**416.3**	**1,329.7**	**8,755.9**	**5,520.2**
Johor	1,881.4	23.7	133.0	1,236.6	488.3
Kedah	994.8	16.8	62.1	611.1	304.9
Kelantan	741.3	23.4	47.1	423.4	247.4
Melaka	454.8	3.0	17.7	269.9	164.2
Negeri Sembilan	491.8	4.6	27.0	279.1	181.1
Pahang	734.4	10.2	57.9	471.8	194.4
Pulau Pinang	898.6	10.5	48.2	531.2	308.8
Perak	1,118.8	11.2	88.2	677.1	342.4
Perlis	113.9	1.7	6.3	64.3	41.6
Selangor	3,731.9	33.6	154.7	1,730.4	1,813.3
Terengganu	498.3	11.9	36.3	280.8	169.3
Sabah	2,027.2	218.0	456.0	934.0	419.3
Sarawak	1,363.5	40.1	162.0	839.7	321.6
W.P. Kuala Lumpur	884.9	5.5	28.8	369.5	481.0
W.P. Labuan	48.5	2.0	3.3	23.8	19.3
W.P. Putrajaya	37.9	0.1	1.1	13.1	23.6
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.7	5.7	10.0	14.1	8.8
Kedah	6.2	4.0	4.7	7.0	5.5
Kelantan	4.6	5.6	3.5	4.8	4.5
Melaka	2.8	0.7	1.3	3.1	3.0
Negeri Sembilan	3.1	1.1	2.0	3.2	3.3
Pahang	4.6	2.5	4.4	5.4	3.5
Pulau Pinang	5.6	2.5	3.6	6.1	5.6
Perak	7.0	2.7	6.6	7.7	6.2
Perlis	0.7	0.4	0.5	0.7	0.8
Selangor	23.3	8.1	11.6	19.8	32.8
Terengganu	3.1	2.9	2.7	3.2	3.1
Sabah	12.7	52.4	34.3	10.7	7.6
Sarawak	8.5	9.6	12.2	9.6	5.8
W.P. Kuala Lumpur	5.5	1.3	2.2	4.2	8.7
W.P. Labuan	0.3	0.5	0.2	0.3	0.3
W.P. Putrajaya	0.2	0.0	0.1	0.2	0.4

Jadual B2.6: **Tenaga buruh mengikut negeri, pencapaian pendidikan dan jantina, Malaysia, 2022**
Table B2.6: *Labour force by state, educational attainment and sex, Malaysia, 2022*

Lelaki/*Male*					
Negeri *State*	**Jumlah** *Total*	**Tiada pendidikan rasmi** *No formal education*	**Rendah** *Primary*	**Menengah** *Secondary*	**Tertiari** *Tertiary*
Jumlah ('000) *Total*	**9,779.3**	**285.1**	**923.4**	**5,618.3**	**2,952.4**
Johor	1,252.3	16.4	104.4	851.9	279.6
Kedah	626.5	13.1	45.7	417.7	150.0
Kelantan	467.3	15.8	32.4	292.6	126.4
Melaka	264.2	2.4	11.5	166.3	84.0
Negeri Sembilan	309.2	3.4	20.0	189.1	96.7
Pahang	479.4	6.9	41.6	329.3	101.6
Pulau Pinang	538.7	7.6	24.8	332.8	173.5
Perak	689.9	8.7	68.1	442.2	170.9
Perlis	70.8	0.9	4.3	44.6	21.0
Selangor	2,090.6	25.5	105.4	973.4	986.4
Terengganu	323.3	9.1	27.6	194.7	92.0
Sabah	1,253.0	147.9	297.0	590.9	217.2
Sarawak	862.1	21.7	115.7	555.0	169.7
W.P. Kuala Lumpur	504.8	4.1	21.2	215.7	263.8
W.P. Labuan	30.3	1.6	2.7	16.2	9.8
W.P. Putrajaya	17.0	0.0	1.1	5.9	10.0
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	12.8	5.7	11.3	15.2	9.5
Kedah	6.4	4.6	5.0	7.4	5.1
Kelantan	4.8	5.6	3.5	5.2	4.3
Melaka	2.7	0.9	1.2	3.0	2.8
Negeri Sembilan	3.2	1.2	2.2	3.4	3.3
Pahang	4.9	2.4	4.5	5.9	3.4
Pulau Pinang	5.5	2.7	2.7	5.9	5.9
Perak	7.1	3.0	7.4	7.9	5.8
Perlis	0.7	0.3	0.5	0.8	0.7
Selangor	21.4	8.9	11.4	17.3	33.4
Terengganu	3.3	3.2	3.0	3.5	3.1
Sabah	12.8	51.9	32.2	10.5	7.4
Sarawak	8.8	7.6	12.5	9.9	5.7
W.P. Kuala Lumpur	5.2	1.4	2.3	3.8	8.9
W.P. Labuan	0.3	0.6	0.3	0.3	0.3
W.P. Putrajaya	0.2	0.0	0.1	0.1	0.3

Jadual B2.6: **Tenaga buruh mengikut negeri, pencapaian pendidikan dan jantina, Malaysia, 2022 (samb.)**
Table B2.6: *Labour force by state, educational attainment and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*					
Negeri *State*	**Jumlah** *Total*	**Tiada pendidikan rasmi** *No formal education*	**Rendah** *Primary*	**Menengah** *Secondary*	**Tertiari** *Tertiary*
Jumlah ('000) *Total*	**6,242.7**	**131.2**	**406.2**	**3,137.5**	**2,567.8**
Johor	629.1	7.3	28.5	384.6	208.7
Kedah	368.3	3.7	16.3	193.4	154.9
Kelantan	274.0	7.6	14.7	130.8	120.9
Melaka	190.6	0.6	6.2	103.5	80.2
Negeri Sembilan	182.6	1.2	7.1	90.0	84.4
Pahang	255.1	3.3	16.4	142.5	92.9
Pulau Pinang	359.9	2.8	23.4	198.4	135.3
Perak	428.9	2.5	20.0	234.9	171.5
Perlis	43.1	0.8	2.0	19.7	20.6
Selangor	1,641.3	8.1	49.3	757.0	826.9
Terengganu	175.0	2.8	8.7	86.2	77.3
Sabah	774.2	70.0	159.0	343.1	202.1
Sarawak	501.4	18.4	46.3	284.7	151.9
W.P. Kuala Lumpur	380.1	1.4	7.6	153.8	217.3
W.P. Labuan	18.2	0.5	0.6	7.7	9.4
W.P. Putrajaya	20.9	0.1	0.0	7.3	13.6
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	10.1	5.5	7.0	12.3	8.1
Kedah	5.9	2.8	4.0	6.2	6.0
Kelantan	4.4	5.8	3.6	4.2	4.7
Melaka	3.1	0.5	1.5	3.3	3.1
Negeri Sembilan	2.9	0.9	1.7	2.9	3.3
Pahang	4.1	2.5	4.0	4.5	3.6
Pulau Pinang	5.8	2.2	5.8	6.3	5.3
Perak	6.9	1.9	4.9	7.5	6.7
Perlis	0.7	0.6	0.5	0.6	0.8
Selangor	26.3	6.2	12.1	24.1	32.2
Terengganu	2.8	2.1	2.2	2.7	3.0
Sabah	12.4	53.4	39.1	10.9	7.9
Sarawak	8.0	14.1	11.4	9.1	5.9
W.P. Kuala Lumpur	6.1	1.1	1.9	4.9	8.5
W.P. Labuan	0.3	0.3	0.2	0.2	0.4
W.P. Putrajaya	0.3	0.1	0.0	0.2	0.5

Jadual B2.7: **Tenaga buruh mengikut negeri, pencapaian pendidikan dan strata, Malaysia, 2022**
Table B2.7: *Labour force by state, educational attainment and strata, Malaysia, 2022*

Bandar/*Urban*					
Negeri *State*	**Jumlah** *Total*	**Tiada pendidikan rasmi** *No formal education*	**Rendah** *Primary*	**Menengah** *Secondary*	**Tertiari** *Tertiary*
Jumlah ('000) *Total*	**13,033.6**	**267.3**	**766.9**	**7,038.7**	**4,960.6**
Johor	1,536.6	19.5	97.8	1,000.0	419.3
Kedah	767.6	13.5	36.3	460.9	256.8
Kelantan	443.9	10.2	18.6	250.7	164.4
Melaka	441.3	2.7	16.7	261.5	160.4
Negeri Sembilan	399.1	2.5	16.5	223.7	156.5
Pahang	480.2	5.2	21.7	303.4	149.9
Pulau Pinang	870.8	10.4	46.2	512.7	301.5
Perak	915.8	8.0	50.0	554.4	303.5
Perlis	81.4	1.1	3.2	42.2	34.9
Selangor	3,581.7	32.3	143.5	1,638.9	1,767.0
Terengganu	362.5	8.7	21.0	198.9	134.0
Sabah	1,278.5	133.9	203.1	607.3	334.2
Sarawak	908.5	11.9	59.8	580.3	256.5
W.P. Kuala Lumpur	884.9	5.5	28.8	369.5	481.0
W.P. Labuan	42.8	1.8	2.7	21.2	17.1
W.P. Putrajaya	37.9	0.1	1.1	13.1	23.6
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.8	7.3	12.8	14.2	8.5
Kedah	5.9	5.1	4.7	6.5	5.2
Kelantan	3.4	3.8	2.4	3.6	3.3
Melaka	3.4	1.0	2.2	3.7	3.2
Negeri Sembilan	3.1	0.9	2.1	3.2	3.2
Pahang	3.7	2.0	2.8	4.3	3.0
Pulau Pinang	6.7	3.9	6.0	7.3	6.1
Perak	7.0	3.0	6.5	7.9	6.1
Perlis	0.6	0.4	0.4	0.6	0.7
Selangor	27.5	12.1	18.7	23.3	35.6
Terengganu	2.8	3.2	2.7	2.8	2.7
Sabah	9.8	50.1	26.5	8.6	6.7
Sarawak	7.0	4.4	7.8	8.2	5.2
W.P. Kuala Lumpur	6.8	2.1	3.8	5.2	9.7
W.P. Labuan	0.3	0.7	0.4	0.3	0.3
W.P. Putrajaya	0.3	0.0	0.1	0.2	0.5

Jadual B2.7: **Tenaga buruh mengikut negeri, pencapaian pendidikan dan strata, Malaysia, 2022 (samb.)**
Table B2.7: *Labour force by state, educational attainment and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*					
Negeri *State*	**Jumlah** *Total*	**Tiada pendidikan rasmi** *No formal education*	**Rendah** *Primary*	**Menengah** *Secondary*	**Tertiari** *Tertiary*
Jumlah ('000) *Total*	**2,988.5**	**149.0**	**562.7**	**1,717.1**	**559.7**
Johor	344.8	4.1	35.2	236.6	68.9
Kedah	227.3	3.3	25.7	150.2	48.1
Kelantan	297.4	13.2	28.5	172.7	82.9
Melaka	13.5	0.3	1.0	8.4	3.8
Negeri Sembilan	92.7	2.1	10.6	55.5	24.6
Pahang	254.2	5.0	36.3	168.4	44.5
Pulau Pinang	27.8	0.1	2.0	18.5	7.2
Perak	203.0	3.2	38.2	122.7	38.9
Perlis	32.5	0.6	3.1	22.1	6.7
Selangor	150.3	1.3	11.2	91.5	46.3
Terengganu	135.8	3.2	15.3	81.9	35.3
Sabah	748.7	84.1	252.8	326.7	85.1
Sarawak	455.0	28.3	102.2	259.4	65.1
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	5.7	0.2	0.6	2.6	2.2
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.5	2.8	6.3	13.8	12.3
Kedah	7.6	2.2	4.6	8.7	8.6
Kelantan	9.9	8.9	5.1	10.1	14.8
Melaka	0.5	0.2	0.2	0.5	0.7
Negeri Sembilan	3.1	1.4	1.9	3.2	4.4
Pahang	8.5	3.4	6.4	9.8	8.0
Pulau Pinang	0.9	0.1	0.3	1.1	1.3
Perak	6.8	2.1	6.8	7.1	7.0
Perlis	1.1	0.4	0.5	1.3	1.2
Selangor	5.0	0.9	2.0	5.3	8.3
Terengganu	4.5	2.1	2.7	4.8	6.3
Sabah	25.1	56.4	44.9	19.0	15.2
Sarawak	15.2	19.0	18.2	15.1	11.6
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.2	0.2	0.1	0.2	0.4
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B2.8: **Tenaga buruh mengikut negeri dan sijil tertinggi diperoleh, Malaysia, 2022**
Table B2.8: Labour force by state and highest certificate obtained, Malaysia, 2022

Negeri *State*	**Jumlah** *Total*	**UPSR/ UPSRA atau yang setaraf UPSR/** *UPSRA or equivalent*	**PT3/PMR/ SRP/LCE/ SRA atau yang setaraf** *PT3/PMR/ SRP/LCE/ SRA or equivalent*	**SPM atau yang setaraf** *SPM or equivalent*	**STPM atau yang setaraf** *STPM or equivalent*	**Sijil** *Certificate*	**Diploma**	**Ijazah** *Degree*	**Tiada sijil** *No certificate*	**Tidak berkenaan** *Not applicable*
Jumlah ('000) *Total*	**16,022.1**	**1,199.4**	**1,371.8**	**7,198.2**	**549.7**	**404.7**	**1,801.5**	**2,610.9**	**472.0**	**413.8**
Johor	1,881.4	141.5	201.1	1,027.2	51.1	38.9	162.9	207.1	29.1	22.4
Kedah	994.8	62.1	105.3	497.1	37.6	29.2	102.7	128.8	15.4	16.7
Kelantan	741.3	43.8	67.6	345.4	42.5	21.5	71.0	106.4	19.7	23.4
Melaka	454.8	23.1	38.2	228.6	11.6	17.1	59.8	70.4	3.0	3.0
Negeri Sembilan	491.8	28.1	49.8	224.0	12.8	13.4	67.3	83.9	7.8	4.6
Pahang	734.4	63.1	70.6	384.2	22.1	24.6	69.5	76.4	13.8	10.1
Pulau Pinang	898.6	48.0	82.5	435.4	24.9	21.8	94.0	163.3	18.3	10.5
Perak	1,118.8	72.3	108.6	558.3	34.3	36.1	118.0	143.4	36.5	11.2
Perlis	113.9	6.4	10.1	53.1	4.5	4.7	15.8	15.4	2.3	1.7
Selangor	3,731.9	177.7	183.4	1,528.7	117.4	111.6	608.6	932.3	38.8	33.3
Terengganu	498.3	25.5	42.6	234.1	17.6	25.4	58.1	64.5	18.9	11.7
Sabah	2,027.2	322.2	191.5	685.5	91.9	20.5	120.5	171.8	206.1	217.4
Sarawak	1,363.5	161.4	173.1	633.5	57.4	20.7	97.1	138.8	41.4	40.1
W.P. Kuala Lumpur	884.9	21.0	41.5	331.9	18.7	16.5	140.0	291.5	18.2	5.5
W.P. Labuan	48.5	2.7	4.3	19.2	3.0	2.0	7.0	6.8	1.5	2.0
W.P. Putrajaya	37.9	0.5	1.6	12.0	2.3	0.8	9.4	10.2	1.1	0.1
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.7	11.8	14.7	14.3	9.3	9.6	9.0	7.9	6.2	5.4
Kedah	6.2	5.2	7.7	6.9	6.8	7.2	5.7	4.9	3.3	4.0
Kelantan	4.6	3.7	4.9	4.8	7.7	5.3	3.9	4.1	4.2	5.7
Melaka	2.8	1.9	2.8	3.2	2.1	4.2	3.3	2.7	0.6	0.7
Negeri Sembilan	3.1	2.3	3.6	3.1	2.3	3.3	3.7	3.2	1.7	1.1
Pahang	4.6	5.3	5.1	5.3	4.0	6.1	3.9	2.9	2.9	2.4
Pulau Pinang	5.6	4.0	6.0	6.0	4.5	5.4	5.2	6.3	3.9	2.5
Perak	7.0	6.0	7.9	7.8	6.2	8.9	6.5	5.5	7.7	2.7
Perlis	0.7	0.5	0.7	0.7	0.8	1.2	0.9	0.6	0.5	0.4
Selangor	23.3	14.8	13.4	21.2	21.4	27.6	33.8	35.7	8.2	8.1
Terengganu	3.1	2.1	3.1	3.3	3.2	6.3	3.2	2.5	4.0	2.8
Sabah	12.7	26.9	14.0	9.5	16.7	5.1	6.7	6.6	43.7	52.5
Sarawak	8.5	13.5	12.6	8.8	10.4	5.1	5.4	5.3	8.8	9.7
W.P. Kuala Lumpur	5.5	1.8	3.0	4.6	3.4	4.1	7.8	11.2	3.9	1.3
W.P. Labuan	0.3	0.2	0.3	0.3	0.5	0.5	0.4	0.3	0.3	0.5
W.P. Putrajaya	0.2	0.0	0.1	0.2	0.4	0.2	0.5	0.4	0.2	0.0

Jadual B2.9: **Tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan jantina, Malaysia, 2022**
Table B2.9: *Labour force by state, highest certificate obtained and sex, Malaysia, 2022*

Lelaki/*Male*										
Negeri *State*	**Jumlah** *Total*	**UPSR/ UPSRA atau yang setaraf UPSR/** *UPSRA or equivalent*	**PT3/PMR/ SRP/LCE/ SRA atau yang setaraf** *PT3/PMR/ SRP/LCE/ SRA or equivalent*	**SPM atau yang setaraf** *SPM or equivalent*	**STPM atau yang setaraf** *STPM or equivalent*	**Sijil** *Certificate*	**Diploma**	**Ijazah** *Degree*	**Tiada sijil** *No certificate*	**Tidak berkenaan** *Not applicable*
Jumlah ('000) *Total*	**9,779.3**	**839.3**	**960.0**	**4,482.9**	**291.3**	**293.8**	**965.0**	**1,347.0**	**316.4**	**283.6**
Johor	1,252.3	111.5	155.7	677.2	31.5	30.0	91.2	115.9	24.0	15.4
Kedah	626.5	45.9	79.9	330.6	17.4	21.3	52.0	56.4	9.8	13.1
Kelantan	467.3	32.8	52.2	232.8	25.4	17.4	36.2	41.8	12.9	15.8
Melaka	264.2	16.6	28.2	136.0	6.4	12.0	29.0	31.8	1.7	2.4
Negeri Sembilan	309.2	22.2	33.9	148.8	5.8	10.4	38.8	40.5	5.4	3.4
Pahang	479.4	48.3	53.9	259.9	10.9	19.1	36.2	35.4	8.9	6.9
Pulau Pinang	538.7	31.7	58.6	263.4	13.2	15.0	55.3	86.5	7.5	7.6
Perak	689.9	55.2	79.7	349.9	16.5	25.1	59.0	67.3	28.6	8.7
Perlis	70.8	4.7	8.1	35.1	1.8	4.0	8.2	6.3	1.6	0.9
Selangor	2,090.6	102.1	99.5	853.3	58.7	76.3	339.5	507.1	29.0	25.2
Terengganu	323.3	19.1	31.0	160.6	6.6	20.2	33.9	28.7	14.2	9.0
Sabah	1,253.0	213.3	126.1	426.2	54.4	12.5	63.4	81.5	127.9	147.8
Sarawak	862.1	118.3	122.8	406.2	29.3	15.7	51.5	68.2	28.5	21.6
W.P. Kuala Lumpur	504.8	15.5	26.9	184.6	11.6	13.0	62.8	172.2	14.1	4.1
W.P. Labuan	30.3	2.0	3.3	12.5	1.1	1.5	4.2	3.0	1.2	1.6
W.P. Putrajaya	17.0	0.0	0.2	5.9	0.7	0.6	4.0	4.5	1.1	0.0
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	12.8	13.3	16.2	15.1	10.8	10.2	9.4	8.6	7.6	5.4
Kedah	6.4	5.5	8.3	7.4	6.0	7.2	5.4	4.2	3.1	4.6
Kelantan	4.8	3.9	5.4	5.2	8.7	5.9	3.7	3.1	4.1	5.6
Melaka	2.7	2.0	2.9	3.0	2.2	4.1	3.0	2.4	0.5	0.9
Negeri Sembilan	3.2	2.6	3.5	3.3	2.0	3.5	4.0	3.0	1.7	1.2
Pahang	4.9	5.7	5.6	5.8	3.7	6.5	3.7	2.6	2.8	2.4
Pulau Pinang	5.5	3.8	6.1	5.9	4.5	5.1	5.7	6.4	2.4	2.7
Perak	7.1	6.6	8.3	7.8	5.7	8.5	6.1	5.0	9.0	3.1
Perlis	0.7	0.6	0.8	0.8	0.6	1.4	0.9	0.5	0.5	0.3
Selangor	21.4	12.2	10.4	19.0	20.1	26.0	35.2	37.6	9.2	8.9
Terengganu	3.3	2.3	3.2	3.6	2.3	6.9	3.5	2.1	4.5	3.2
Sabah	12.8	25.4	13.1	9.5	18.7	4.2	6.6	6.0	40.4	52.1
Sarawak	8.8	14.1	12.8	9.1	10.0	5.3	5.3	5.1	9.0	7.6
W.P. Kuala Lumpur	5.2	1.8	2.8	4.1	4.0	4.4	6.5	12.8	4.5	1.5
W.P. Labuan	0.3	0.2	0.3	0.3	0.4	0.5	0.4	0.2	0.4	0.6
W.P. Putrajaya	0.2	0.0	0.0	0.1	0.2	0.2	0.4	0.3	0.3	0.0

Jadual B2.9: **Tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan jantina, Malaysia, 2022 (samb.)**
Table B2.9: Labour force by state, highest certificate obtained and sex, Malaysia, 2022 (cont'd)

Perempuan/*Female*										
Negeri *State*	**Jumlah** *Total*	**UPSR/ UPSRA atau yang setaraf UPSR/** *UPSRA or equivalent*	**PT3/PMR/ SRP/LCE/ SRA atau yang setaraf** *PT3/PMR/ SRP/LCE/ SRA or equivalent*	**SPM atau yang setaraf** *SPM or equivalent*	**STPM atau yang setaraf** *STPM or equivalent*	**Sijil** *Certificate*	**Diploma**	**Ijazah** *Degree*	**Tiada sijil** *No certificate*	**Tidak berkenaan** *Not applicable*
Jumlah ('000) *Total*	**6,242.7**	**360.1**	**411.8**	**2,715.3**	**258.4**	**110.9**	**836.5**	**1,263.9**	**155.6**	**130.2**
Johor	629.1	30.0	45.5	350.0	19.6	8.9	71.8	91.2	5.2	7.0
Kedah	368.3	16.1	25.4	166.6	20.2	7.9	50.7	72.4	5.5	3.6
Kelantan	274.0	11.0	15.4	112.6	17.1	4.2	34.8	64.5	6.7	7.6
Melaka	190.6	6.4	10.0	92.6	5.2	5.1	30.8	38.6	1.3	0.6
Negeri Sembilan	182.6	5.9	15.9	75.2	7.0	3.1	28.5	43.4	2.4	1.2
Pahang	255.1	14.9	16.7	124.3	11.2	5.6	33.3	41.0	4.9	3.2
Pulau Pinang	359.9	16.3	23.9	172.0	11.7	6.9	38.7	76.8	10.8	2.8
Perak	428.9	17.1	28.9	208.4	17.8	11.1	59.0	76.1	8.0	2.5
Perlis	43.1	1.6	2.0	18.1	2.6	0.7	7.6	9.1	0.7	0.8
Selangor	1,641.3	75.6	83.9	675.5	58.8	35.3	269.1	425.2	9.9	8.1
Terengganu	175.0	6.4	11.6	73.5	11.0	5.1	24.2	35.8	4.7	2.7
Sabah	774.2	108.8	65.4	259.2	37.5	8.0	57.1	90.3	78.2	69.7
Sarawak	501.4	43.1	50.2	227.2	28.1	5.0	45.6	70.6	13.0	18.4
W.P. Kuala Lumpur	380.1	5.5	14.6	147.3	7.1	3.5	77.2	119.4	4.1	1.4
W.P. Labuan	18.2	0.6	1.0	6.7	1.9	0.5	2.8	3.8	0.3	0.5
W.P. Putrajaya	20.9	0.5	1.4	6.1	1.6	0.2	5.4	5.7	0.0	0.1
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	10.1	8.3	11.0	12.9	7.6	8.0	8.6	7.2	3.3	5.4
Kedah	5.9	4.5	6.2	6.1	7.8	7.1	6.1	5.7	3.6	2.8
Kelantan	4.4	3.1	3.7	4.1	6.6	3.8	4.2	5.1	4.3	5.8
Melaka	3.1	1.8	2.4	3.4	2.0	4.6	3.7	3.1	0.8	0.5
Negeri Sembilan	2.9	1.6	3.9	2.8	2.7	2.8	3.4	3.4	1.5	0.9
Pahang	4.1	4.1	4.0	4.6	4.3	5.0	4.0	3.2	3.1	2.5
Pulau Pinang	5.8	4.5	5.8	6.3	4.5	6.2	4.6	6.1	6.9	2.2
Perak	6.9	4.8	7.0	7.7	6.9	10.0	7.1	6.0	5.1	1.9
Perlis	0.7	0.5	0.5	0.7	1.0	0.6	0.9	0.7	0.4	0.6
Selangor	26.3	21.0	20.4	24.9	22.7	31.8	32.2	33.6	6.3	6.2
Terengganu	2.8	1.8	2.8	2.7	4.3	4.6	2.9	2.8	3.0	2.1
Sabah	12.4	30.2	15.9	9.5	14.5	7.2	6.8	7.1	50.2	53.5
Sarawak	8.0	12.0	12.2	8.4	10.9	4.5	5.5	5.6	8.3	14.2
W.P. Kuala Lumpur	6.1	1.5	3.5	5.4	2.8	3.1	9.2	9.4	2.7	1.1
W.P. Labuan	0.3	0.2	0.2	0.2	0.7	0.5	0.3	0.3	0.2	0.4
W.P. Putrajaya	0.3	0.1	0.3	0.2	0.6	0.2	0.6	0.4	0.0	0.1

Jadual B2.10 : Tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan strata, Malaysia, 2022
Table B2.10: Labour force by state, highest certificate obtained and strata, Malaysia, 2022

Bandar/*Urban* **Negeri** *State*	**Jumlah** *Total*	**UPSR/ UPSRA atau yang setaraf UPSR/** *UPSRA or equivalent*	**PT3/PMR/ SRP/LCE/ SRA atau yang setaraf** *PT3/PMR/ SRP/LCE/ SRA or equivalent*	**SPM atau yang setaraf** *SPM or equivalent*	**STPM atau yang setaraf** *STPM or equivalent*	**Sijil** *Certificate*	**Diploma**	**Ijazah** *Degree*	**Tiada sijil** *No certificate*	**Tidak berkenaan** *Not applicable*
Jumlah ('000) *Total*	**13,033.6**	**742.8**	**974.0**	**5,950.6**	**451.7**	**345.3**	**1,619.8**	**2,411.0**	**272.7**	**265.7**
Johor	1,536.6	108.2	150.1	845.0	38.7	30.9	138.6	187.6	19.3	18.4
Kedah	767.6	36.8	72.1	383.7	30.6	23.4	86.6	110.5	10.5	13.4
Kelantan	443.9	19.0	32.7	211.4	25.9	14.1	48.9	73.1	8.6	10.2
Melaka	441.3	21.9	36.2	222.4	11.2	16.6	58.2	69.2	2.9	2.7
Negeri Sembilan	399.1	19.3	38.1	181.7	10.9	10.2	56.4	75.3	4.6	2.5
Pahang	480.2	30.5	33.9	256.8	15.6	19.6	54.8	59.4	4.6	5.2
Pulau Pinang	870.8	46.3	80.0	419.8	24.1	20.7	91.3	160.8	17.5	10.4
Perak	915.8	48.4	79.9	467.2	29.9	28.6	107.0	129.1	17.7	8.0
Perlis	81.4	4.0	5.8	36.0	3.6	3.5	13.4	13.1	0.9	1.1
Selangor	3,581.7	166.2	166.1	1,455.6	112.9	108.2	590.6	915.5	34.6	32.0
Terengganu	362.5	16.5	27.4	169.4	13.0	20.4	45.9	51.3	10.1	8.5
Sabah	1,278.5	134.5	106.0	474.3	68.2	14.6	95.6	143.9	107.4	133.9
Sarawak	908.5	67.6	99.0	466.0	43.2	15.5	77.3	114.5	13.4	11.9
W.P. Kuala Lumpur	884.9	21.0	41.5	331.9	18.7	16.5	140.0	291.5	18.2	5.5
W.P. Labuan	42.8	2.2	3.6	17.4	2.8	1.7	6.0	6.0	1.2	1.8
W.P. Putrajaya	37.9	0.5	1.6	12.0	2.3	0.8	9.4	10.2	1.1	0.1
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.8	14.6	15.4	14.2	8.6	8.9	8.6	7.8	7.1	6.9
Kedah	5.9	5.0	7.4	6.4	6.8	6.8	5.3	4.6	3.9	5.0
Kelantan	3.4	2.6	3.4	3.6	5.7	4.1	3.0	3.0	3.1	3.8
Melaka	3.4	2.9	3.7	3.7	2.5	4.8	3.6	2.9	1.1	1.0
Negeri Sembilan	3.1	2.6	3.9	3.1	2.4	3.0	3.5	3.1	1.7	1.0
Pahang	3.7	4.1	3.5	4.3	3.4	5.7	3.4	2.5	1.7	2.0
Pulau Pinang	6.7	6.2	8.2	7.1	5.3	6.0	5.6	6.7	6.4	3.9
Perak	7.0	6.5	8.2	7.9	6.6	8.3	6.6	5.4	6.5	3.0
Perlis	0.6	0.5	0.6	0.6	0.8	1.0	0.8	0.5	0.3	0.4
Selangor	27.5	22.4	17.1	24.5	25.0	31.3	36.5	38.0	12.7	12.1
Terengganu	2.8	2.2	2.8	2.8	2.9	5.9	2.8	2.1	3.7	3.2
Sabah	9.8	18.1	10.9	8.0	15.1	4.2	5.9	6.0	39.4	50.4
Sarawak	7.0	9.1	10.2	7.8	9.6	4.5	4.8	4.7	4.9	4.5
W.P. Kuala Lumpur	6.8	2.8	4.3	5.6	4.1	4.8	8.6	12.1	6.7	2.1
W.P. Labuan	0.3	0.3	0.4	0.3	0.6	0.5	0.4	0.3	0.4	0.7
W.P. Putrajaya	0.3	0.1	0.2	0.2	0.5	0.2	0.6	0.4	0.4	0.0

Jadual B2.10: **Tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan strata, Malaysia, 2022 (samb.)**
Table B2.10: *Labour force by state, highest certificate obtained and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*										
Negeri *State*	**Jumlah** *Total*	**UPSR/ UPSRA atau yang setaraf UPSR/** *UPSRA or equivalent*	**PT3/PMR/ SRP/LCE/ SRA atau yang setaraf** *PT3/PMR/ SRP/LCE/ SRA or equivalent*	**SPM atau yang setaraf** *SPM or equivalent*	**STPM atau yang setaraf** *STPM or equivalent*	**Sijil** *Certificate*	**Diploma**	**Ijazah** *Degree*	**Tiada sijil** *No certificate*	**Tidak berkenaan** *Not applicable*
Jumlah ('000) *Total*	**2,988.5**	**456.6**	**397.8**	**1,247.6**	**98.1**	**59.4**	**181.7**	**199.9**	**199.2**	**148.2**
Johor	344.8	33.3	51.1	182.2	12.4	8.0	24.3	19.6	9.9	4.0
Kedah	227.3	25.2	33.2	113.4	7.0	5.8	16.1	18.3	4.8	3.3
Kelantan	297.4	24.8	34.9	133.9	16.6	7.4	22.1	33.3	11.1	13.2
Melaka	13.5	1.2	2.0	6.2	0.4	0.5	1.7	1.2	0.0	0.3
Negeri Sembilan	92.7	8.8	11.7	42.3	1.9	3.2	10.9	8.6	3.2	2.1
Pahang	254.2	32.6	36.7	127.5	6.6	5.1	14.7	17.0	9.2	4.9
Pulau Pinang	27.8	1.8	2.5	15.6	0.8	1.2	2.7	2.4	0.8	0.1
Perak	203.0	24.0	28.7	91.1	4.4	7.5	11.0	14.3	18.8	3.2
Perlis	32.5	2.4	4.3	17.2	0.9	1.1	2.3	2.3	1.4	0.6
Selangor	150.3	11.5	17.2	73.1	4.5	3.4	18.1	16.8	4.2	1.3
Terengganu	135.8	9.0	15.2	64.7	4.6	5.0	12.2	13.2	8.8	3.2
Sabah	748.7	187.6	85.5	211.2	23.6	5.9	24.9	27.9	98.6	83.5
Sarawak	455.0	93.8	74.1	167.5	14.1	5.1	19.9	24.3	28.0	28.2
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	5.7	0.4	0.7	1.9	0.2	0.3	1.0	0.8	0.3	0.2
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.5	7.3	12.8	14.6	12.6	13.5	13.4	9.8	5.0	2.7
Kedah	7.6	5.5	8.4	9.1	7.2	9.8	8.9	9.2	2.4	2.2
Kelantan	9.9	5.4	8.8	10.7	17.0	12.5	12.1	16.7	5.6	8.9
Melaka	0.5	0.3	0.5	0.5	0.4	0.9	0.9	0.6	0.0	0.2
Negeri Sembilan	3.1	1.9	3.0	3.4	1.9	5.3	6.0	4.3	1.6	1.4
Pahang	8.5	7.1	9.2	10.2	6.7	8.5	8.1	8.5	4.6	3.3
Pulau Pinang	0.9	0.4	0.6	1.2	0.8	1.9	1.5	1.2	0.4	0.1
Perak	6.8	5.3	7.2	7.3	4.5	12.7	6.1	7.1	9.4	2.2
Perlis	1.1	0.5	1.1	1.4	0.9	1.9	1.3	1.1	0.7	0.4
Selangor	5.0	2.5	4.3	5.9	4.6	5.7	9.9	8.4	2.1	0.9
Terengganu	4.5	2.0	3.8	5.2	4.7	8.3	6.7	6.6	4.4	2.2
Sabah	25.1	41.1	21.5	16.9	24.1	9.9	13.7	14.0	49.5	56.4
Sarawak	15.2	20.5	18.6	13.4	14.4	8.6	10.9	12.1	14.1	19.0
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.2	0.1	0.2	0.1	0.2	0.5	0.5	0.4	0.1	0.2
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B3.1: **Nisbah guna tenaga kepada penduduk mengikut negeri, strata dan jantina, Malaysia, 2022**
Table B3.1: *Employment to population ratio by state, strata and sex, Malaysia, 2022*

Negeri *State*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah (%) *Total*	**66.5**	**78.8**	**53.5**	**67.5**	**78.6**	**56.0**	**62.5**	**79.5**	**42.5**
Johor	68.6	86.6	48.3	68.6	86.5	49.2	68.2	86.9	44.0
Kedah	61.9	77.4	45.8	62.8	75.8	49.4	59.0	82.6	34.2
Kelantan	55.8	69.9	41.5	59.6	69.3	49.7	51.0	70.5	30.4
Melaka	68.2	78.8	57.7	68.5	78.4	58.7	60.0	90.9	27.0
Negeri Sembilan	61.7	74.8	47.7	62.1	74.3	49.1	60.1	77.0	41.7
Pahang	63.2	77.7	46.6	63.6	77.8	48.4	62.3	77.5	43.1
Pulau Pinang	68.4	81.1	55.5	68.8	81.6	55.9	57.4	68.3	44.6
Perak	62.2	75.5	48.3	62.7	74.0	51.6	59.9	81.1	31.2
Perlis	61.7	78.3	45.4	62.5	75.7	50.0	59.6	84.1	33.6
Selangor	74.2	80.0	68.0	74.5	80.9	67.6	67.2	58.2	76.8
Terengganu	56.7	73.0	39.9	57.7	70.1	45.0	54.1	80.2	27.2
Sabah	65.6	78.1	51.8	64.0	74.8	52.9	68.5	83.7	49.6
Sarawak	65.3	79.5	49.9	65.6	79.1	51.6	64.7	80.4	46.6
W.P. Kuala Lumpur	70.1	77.5	62.3	70.1	77.5	62.3	n.a.	n.a.	n.a.
W.P. Labuan	62.2	76.5	48.1	63.0	78.6	47.9	56.0	62.0	49.6
W.P. Putrajaya	74.9	74.3	75.5	74.9	74.3	75.5	n.a.	n.a.	n.a.

Jadual B3.2: **Nisbah guna tenaga kepada penduduk mengikut negeri dan kumpulan umur, Malaysia, 2022**
Table B3.2: *Employment to population ratio by state and age group, Malaysia, 2022*

Negeri *State*	Jumlah *Total*	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah (%) *Total*	**66.5**	**21.1**	**58.3**	**82.1**	**85.1**	**83.2**	**83.3**	**77.7**	**71.0**	**57.7**	**33.8**
Johor	68.6	21.0	67.7	91.7	85.3	79.6	83.1	72.6	70.0	62.3	43.8
Kedah	61.9	14.9	58.0	82.9	79.6	73.5	83.2	74.9	66.5	58.0	26.3
Kelantan	55.8	13.0	37.7	65.7	80.5	74.9	81.5	74.3	67.4	51.8	43.7
Melaka	68.2	22.8	62.9	90.6	78.2	91.9	95.2	72.7	72.8	44.7	29.5
Negeri Sembilan	61.7	16.4	63.3	79.2	77.4	79.2	75.0	75.2	66.5	48.3	27.8
Pahang	63.2	18.1	55.8	71.9	80.9	81.8	78.8	77.6	73.0	61.9	31.9
Pulau Pinang	68.4	10.7	68.7	87.4	82.3	81.3	87.5	79.6	70.4	60.9	28.2
Perak	62.2	12.6	60.2	82.9	80.2	83.4	84.0	72.0	64.1	51.2	32.3
Perlis	61.7	16.2	52.1	69.9	81.5	79.2	75.4	73.9	72.5	57.4	33.0
Selangor	74.2	30.0	59.6	84.9	94.4	89.4	88.8	87.1	80.0	59.8	26.0
Terengganu	56.7	12.5	44.2	72.9	73.0	77.2	74.0	75.2	68.5	55.6	27.5
Sabah	65.6	33.0	57.4	83.4	82.8	78.9	73.7	72.0	68.5	57.1	32.1
Sarawak	65.3	17.3	51.7	76.3	87.6	84.6	82.4	74.1	71.2	69.7	48.7
W.P. Kuala Lumpur	70.1	13.9	69.1	91.3	86.3	90.4	85.5	82.1	64.2	44.3	35.1
W.P. Labuan	62.2	17.5	69.8	64.7	77.0	69.6	79.6	69.4	62.5	63.7	34.8
W.P. Putrajaya	75.0	57.1	75.2	68.1	98.9	88.0	78.5	71.0	87.2	63.5	17.6

Jadual B3.3: **Nisbah guna tenaga kepada penduduk mengikut negeri, kumpulan umur dan jantina, Malaysia, 2022**
Table B3.3: *Employment to population ratio by state, age group and sex, Malaysia, 2022*

Lelaki/*Male*											
Negeri *State*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah (%) *Total*	**78.8**	**24.7**	**68.9**	**89.7**	**94.9**	**96.6**	**97.1**	**95.6**	**91.7**	**81.0**	**50.4**
Johor	86.6	28.5	88.5	97.9	99.0	98.0	99.2	98.4	98.4	97.7	66.9
Kedah	77.4	16.0	70.1	96.6	94.3	97.6	97.8	90.9	91.9	88.4	48.3
Kelantan	69.9	19.9	52.5	74.9	94.2	91.9	96.4	96.7	93.2	78.0	49.9
Melaka	78.8	40.6	75.6	94.7	82.5	95.2	97.2	88.6	88.1	71.0	47.0
Negeri Sembilan	74.8	18.6	81.1	83.9	85.7	96.5	94.8	93.4	86.8	68.8	43.2
Pahang	77.7	23.4	61.4	79.8	97.8	98.0	98.1	96.8	97.4	95.2	53.1
Pulau Pinang	81.1	16.1	79.3	89.7	95.7	96.5	98.8	98.0	95.0	84.2	41.3
Perak	75.5	14.8	75.4	85.8	91.7	98.4	96.0	94.8	86.4	74.4	50.8
Perlis	78.3	23.4	52.0	94.9	94.5	97.4	96.2	94.3	95.4	85.3	45.7
Selangor	80.0	27.3	61.4	93.1	95.7	96.6	97.3	98.2	86.3	70.1	42.4
Terengganu	73.0	18.3	51.7	88.8	94.6	97.8	96.4	94.9	90.0	84.3	40.9
Sabah	78.1	35.7	71.2	89.8	96.0	93.7	93.9	93.9	89.5	81.1	44.0
Sarawak	79.5	21.5	63.5	86.0	96.0	98.1	98.3	95.9	96.8	96.0	71.3
W.P. Kuala Lumpur	77.5	21.7	59.9	96.3	94.7	98.3	97.5	88.4	95.9	57.5	33.0
W.P. Labuan	76.5	30.5	80.8	65.3	95.1	80.2	94.9	97.0	89.7	86.2	47.7
W.P. Putrajaya	74.3	7.0	96.3	62.3	98.1	97.5	80.4	97.2	89.3	77.8	16.5

Jadual B3.3: **Nisbah guna tenaga kepada penduduk mengikut negeri, kumpulan umur dan jantina, Malaysia, 2022 (samb.)**
Table B3.3: *Employment to population ratio by state, age group and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*											
Negeri *State*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah (%) *Total*	**53.5**	**17.3**	**46.6**	**73.6**	**74.5**	**69.2**	**68.7**	**59.3**	**50.9**	**34.1**	**15.6**
Johor	48.3	13.0	43.6	84.4	69.5	59.1	65.2	44.9	41.3	24.4	12.7
Kedah	45.8	13.7	44.4	67.5	64.4	49.7	68.6	59.4	43.5	29.4	4.5
Kelantan	41.5	5.6	21.8	55.5	64.6	55.8	66.6	55.6	45.5	29.5	38.4
Melaka	57.7	3.2	49.3	86.3	73.6	88.9	93.2	57.5	59.6	20.0	13.5
Negeri Sembilan	47.7	13.8	43.0	73.8	67.0	61.0	54.8	57.7	48.0	30.2	14.5
Pahang	46.6	11.9	49.2	62.2	61.1	62.4	55.6	56.8	48.2	30.1	11.4
Pulau Pinang	55.5	5.1	57.8	85.0	69.7	65.9	75.9	60.8	46.1	38.4	14.5
Perak	48.3	10.5	44.3	79.8	66.3	67.2	71.8	49.3	43.8	28.7	11.2
Perlis	45.4	9.4	52.3	44.6	65.3	60.1	57.8	56.6	51.8	32.3	21.9
Selangor	68.0	32.9	57.5	75.5	93.0	82.2	79.6	75.2	73.5	48.8	9.1
Terengganu	39.9	6.3	36.6	56.4	48.7	53.2	50.8	56.9	49.3	28.0	15.0
Sabah	51.8	29.9	42.3	76.4	68.6	63.0	52.0	48.7	46.1	31.3	15.6
Sarawak	49.9	12.9	38.1	65.2	78.7	70.2	65.7	51.8	43.9	40.7	23.0
W.P. Kuala Lumpur	62.3	5.6	79.0	85.5	77.5	82.7	72.9	75.2	38.3	30.0	37.6
W.P. Labuan	48.1	5.0	59.8	64.1	60.4	58.3	63.4	43.8	36.5	37.7	18.6
W.P. Putrajaya	75.5	98.3	59.6	85.8	99.4	82.4	76.9	51.9	85.6	47.7	18.8

Jadual B3.4: **Nisbah guna tenaga kepada penduduk mengikut negeri, kumpulan umur dan strata, Malaysia, 2022**
Table B3.4: *Employment to population ratio by state, age group and strata, Malaysia, 2022*

Bandar/*Urban*											
Negeri *State*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah (%) *Total*	**67.5**	**20.4**	**58.0**	**84.0**	**87.7**	**84.9**	**84.9**	**78.3**	**71.3**	**57.0**	**30.2**
Johor	68.6	20.3	64.4	92.8	87.0	78.8	84.8	72.9	69.3	63.3	44.5
Kedah	62.8	13.4	59.0	85.9	79.7	75.3	86.2	75.5	67.7	58.8	21.6
Kelantan	59.6	9.0	42.5	77.1	83.5	82.0	86.1	76.7	66.5	48.9	46.6
Melaka	68.5	22.0	62.8	91.7	78.7	92.3	95.4	72.7	72.9	44.0	29.3
Negeri Sembilan	62.1	16.6	63.6	78.2	77.4	79.9	74.2	75.1	66.8	48.7	28.6
Pahang	63.6	18.2	54.7	73.3	80.5	84.2	80.0	78.5	77.2	63.6	25.7
Pulau Pinang	68.8	10.6	68.3	87.1	84.7	82.2	87.7	79.7	70.7	61.1	28.8
Perak	62.7	11.7	60.6	84.7	83.9	83.9	85.8	72.3	64.6	50.7	25.1
Perlis	62.5	16.8	57.7	70.6	82.6	81.5	75.0	80.6	70.6	55.9	30.3
Selangor	74.5	28.9	58.9	85.3	96.0	90.1	89.2	86.9	80.2	60.4	25.9
Terengganu	57.7	13.4	46.7	78.5	72.9	76.6	77.1	75.4	68.4	51.4	17.0
Sabah	64.0	33.3	49.2	82.4	86.7	79.4	72.8	69.5	67.6	52.9	18.4
Sarawak	65.6	14.3	50.8	74.6	94.9	89.6	83.5	73.8	68.8	67.8	43.7
W.P. Kuala Lumpur	70.1	13.9	69.1	91.3	86.3	90.4	85.5	82.1	64.2	44.3	35.1
W.P. Labuan	63.0	18.5	71.2	63.4	77.7	75.6	77.9	69.0	59.8	64.9	35.7
W.P. Putrajaya	75.0	57.1	75.2	68.1	98.9	88.0	78.5	71.0	87.2	63.5	17.6

Jadual B3.4: **Nisbah guna tenaga kepada penduduk mengikut negeri, kumpulan umur dan strata, Malaysia, 2022 (samb.)**
Table B3.4: *Employment to population ratio by state, age group and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*

Negeri *State*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah (%) *Total*	**62.5**	**23.7**	**59.5**	**74.8**	**74.1**	**75.4**	**75.6**	**74.8**	**69.7**	**60.5**	**45.5**
Johor	68.2	24.5	83.3	86.7	77.9	82.9	75.1	71.1	73.5	58.1	42.3
Kedah	59.0	19.7	55.2	74.5	79.3	66.5	71.3	72.8	62.9	55.7	38.9
Kelantan	51.0	17.8	30.9	50.9	76.7	65.5	74.8	71.4	68.5	55.5	39.7
Melaka	60.0	42.0	64.1	52.6	58.3	76.8	84.6	73.8	71.5	60.2	35.6
Negeri Sembilan	60.1	15.4	61.7	84.0	77.6	76.2	78.3	75.9	65.5	46.8	25.3
Pahang	62.3	18.0	57.8	69.3	81.6	77.4	76.4	75.9	65.3	58.8	41.7
Pulau Pinang	57.4	12.7	75.7	95.3	17.0	53.8	79.9	76.0	61.6	55.4	13.6
Perak	59.9	16.4	58.2	75.1	67.2	80.6	74.7	70.5	61.4	54.0	54.4
Perlis	59.6	14.7	36.8	68.4	79.5	73.9	76.6	56.3	77.0	61.5	39.8
Selangor	67.2	49.0	78.9	73.0	61.8	72.6	78.3	92.4	76.1	49.8	28.3
Terengganu	54.1	10.6	37.5	58.2	73.1	78.8	65.5	74.7	68.8	64.7	52.3
Sabah	68.5	32.4	71.9	85.2	74.9	78.0	75.4	76.6	70.1	66.3	52.1
Sarawak	64.7	22.8	53.8	80.3	73.2	74.7	79.9	74.5	75.2	72.9	56.6
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	56.1	10.2	61.0	76.1	70.0	27.4	88.8	72.3	81.9	54.7	27.8
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B4.1: **Penduduk bekerja mengikut negeri, strata dan jantina, Malaysia, 2022**
Table B4.1: *Employed persons by state, strata and sex, Malaysia, 2022*

Negeri *State*	Jumlah *Total*			Bandar *Urban*			Luar Bandar *Rural*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Jumlah ('000) *Total*	**15,391.7**	**9,405.5**	**5,986.2**	**12,543.7**	**7,449.0**	**5,094.7**	**2,848.0**	**1,956.5**	**891.5**
Johor	1,819.5	1,217.2	602.3	1,486.4	977.8	508.6	333.1	239.4	93.7
Kedah	964.8	613.4	351.5	743.8	454.7	289.0	221.1	158.6	62.4
Kelantan	713.8	452.1	261.7	431.9	252.2	179.7	281.9	199.9	81.9
Melaka	447.7	258.5	189.2	434.8	248.5	186.4	12.8	10.0	2.8
Negeri Sembilan	473.7	296.8	176.9	383.0	236.2	146.8	90.7	60.6	30.1
Pahang	715.9	469.0	246.9	467.8	296.9	171.0	248.1	172.2	75.9
Pulau Pinang	873.9	521.6	352.4	848.1	505.0	343.1	25.8	16.6	9.3
Perak	1,066.8	661.4	405.4	873.8	511.1	362.6	193.1	150.3	42.8
Perlis	109.5	68.9	40.6	78.1	46.1	32.0	31.3	22.8	8.6
Selangor	3,597.6	2,001.4	1,596.2	3,456.0	1,937.8	1,518.1	141.6	63.6	78.1
Terengganu	480.2	313.6	166.7	349.8	215.5	134.3	130.4	98.0	32.4
Sabah	1,875.8	1,169.9	705.9	1,179.9	699.5	480.4	695.9	470.4	225.5
Sarawak	1,312.5	830.9	481.7	875.2	539.7	335.6	437.3	291.2	146.1
W.P. Kuala Lumpur	857.5	486.5	371.0	857.5	486.5	371.0	0.0	0.0	0.0
W.P. Labuan	45.0	27.5	17.5	40.1	24.7	15.4	4.9	2.8	2.1
W.P. Putrajaya	37.5	16.9	20.6	37.5	16.9	20.6	0.0	0.0	0.0
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.8	12.9	10.1	11.8	13.1	10.0	11.7	12.2	10.5
Kedah	6.3	6.5	5.9	5.9	6.1	5.7	7.8	8.1	7.0
Kelantan	4.6	4.8	4.4	3.4	3.4	3.5	9.9	10.2	9.2
Melaka	2.9	2.7	3.2	3.5	3.3	3.7	0.4	0.5	0.3
Negeri Sembilan	3.1	3.2	3.0	3.1	3.2	2.9	3.2	3.1	3.4
Pahang	4.7	5.0	4.1	3.7	4.0	3.4	8.7	8.8	8.5
Pulau Pinang	5.7	5.5	5.9	6.8	6.8	6.7	0.9	0.8	1.0
Perak	6.9	7.0	6.8	7.0	6.9	7.1	6.8	7.7	4.8
Perlis	0.7	0.7	0.7	0.6	0.6	0.6	1.1	1.2	1.0
Selangor	23.4	21.3	26.7	27.6	26.0	29.8	5.0	3.3	8.8
Terengganu	3.1	3.3	2.8	2.8	2.9	2.6	4.6	5.0	3.6
Sabah	12.2	12.4	11.8	9.4	9.4	9.4	24.4	24.0	25.3
Sarawak	8.5	8.8	8.0	7.0	7.2	6.6	15.4	14.9	16.4
W.P. Kuala Lumpur	5.6	5.2	6.2	6.8	6.5	7.3	0.0	0.0	0.0
W.P. Labuan	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.2
W.P. Putrajaya	0.2	0.2	0.3	0.3	0.2	0.4	0.0	0.0	0.0

Jadual B4.2: **Penduduk bekerja mengikut negeri dan kumpulan umur, Malaysia, 2022**
Table B4.2: *Employed persons by state and age group, Malaysia, 2022*

Negeri *State*	Jumlah *Total*	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) *Total*	**15,391.7**	**596.0**	**1,820.1**	**2,646.0**	**2,478.8**	**2,190.1**	**1,743.4**	**1,408.7**	**1,185.6**	**873.5**	**449.6**
Johor	1,819.5	66.8	245.7	305.6	265.3	237.1	208.4	160.3	140.4	112.0	77.9
Kedah	964.8	29.4	136.9	181.6	136.3	108.2	108.0	92.5	79.4	65.3	27.3
Kelantan	713.8	24.3	75.0	140.3	116.5	84.2	75.9	64.1	58.6	43.4	31.5
Melaka	447.7	17.4	54.5	93.1	66.3	63.2	49.9	33.9	36.1	21.3	11.9
Negeri Sembilan	473.7	16.0	68.3	85.5	75.7	60.9	46.4	44.1	36.8	26.3	13.8
Pahang	715.9	26.2	87.7	121.8	113.0	108.1	75.4	61.5	55.5	45.8	20.8
Pulau Pinang	873.9	13.3	109.7	152.4	126.3	121.8	106.5	89.6	74.4	56.4	23.6
Perak	1,066.8	26.8	146.4	202.3	166.0	129.2	110.4	89.9	84.7	68.1	43.1
Perlis	109.5	3.3	11.0	21.4	20.4	14.2	9.8	8.4	9.4	7.6	3.9
Selangor	3,597.6	151.7	328.9	496.4	658.8	605.0	459.1	371.5	285.8	179.7	60.6
Terengganu	480.2	15.4	55.6	91.7	79.3	64.0	47.8	44.5	39.3	30.2	12.5
Sabah	1,875.8	139.9	254.5	391.2	303.9	257.2	175.1	133.4	106.9	75.7	38.1
Sarawak	1,312.5	44.6	145.5	219.9	208.0	174.8	136.7	119.0	109.5	97.5	56.9
W.P. Kuala Lumpur	857.5	16.5	89.6	133.5	132.3	145.2	121.9	89.4	63.0	39.9	26.1
W.P. Labuan	45.0	1.5	5.7	5.9	6.9	8.0	6.0	3.9	3.1	2.8	1.2
W.P. Putrajaya	37.5	2.9	5.0	3.5	3.7	9.2	5.9	2.6	2.5	1.7	0.4
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.8	11.2	13.5	11.5	10.7	10.8	12.0	11.4	11.8	12.8	17.3
Kedah	6.3	4.9	7.5	6.9	5.5	4.9	6.2	6.6	6.7	7.5	6.1
Kelantan	4.6	4.1	4.1	5.3	4.7	3.8	4.4	4.6	4.9	5.0	7.0
Melaka	2.9	2.9	3.0	3.5	2.7	2.9	2.9	2.4	3.0	2.4	2.6
Negeri Sembilan	3.1	2.7	3.8	3.2	3.1	2.8	2.7	3.1	3.1	3.0	3.1
Pahang	4.7	4.4	4.8	4.6	4.6	4.9	4.3	4.4	4.7	5.2	4.6
Pulau Pinang	5.7	2.2	6.0	5.8	5.1	5.6	6.1	6.4	6.3	6.5	5.2
Perak	6.9	4.5	8.0	7.6	6.7	5.9	6.3	6.4	7.1	7.8	9.6
Perlis	0.7	0.6	0.6	0.8	0.8	0.6	0.6	0.6	0.8	0.9	0.9
Selangor	23.4	25.5	18.1	18.8	26.6	27.6	26.3	26.4	24.1	20.6	13.5
Terengganu	3.1	2.6	3.1	3.5	3.2	2.9	2.7	3.2	3.3	3.5	2.8
Sabah	12.2	23.5	14.0	14.8	12.3	11.7	10.0	9.5	9.0	8.7	8.5
Sarawak	8.5	7.5	8.0	8.3	8.4	8.0	7.8	8.4	9.2	11.2	12.7
W.P. Kuala Lumpur	5.6	2.8	4.9	5.0	5.3	6.6	7.0	6.3	5.3	4.6	5.8
W.P. Labuan	0.3	0.3	0.3	0.2	0.3	0.4	0.3	0.3	0.3	0.3	0.3
W.P. Putrajaya	0.2	0.5	0.3	0.1	0.1	0.4	0.3	0.2	0.2	0.2	0.1

Jadual B4.3: **Penduduk bekerja mengikut negeri, kumpulan umur dan jantina, Malaysia, 2022**
Table B4.3: *Employed persons by state, age group and sex, Malaysia, 2022*

Lelaki/*Male*											
Negeri *State*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah ('000) *Total*	**9,405.5**	**360.7**	**1,129.3**	**1,530.3**	**1,436.4**	**1,301.7**	**1,045.8**	**878.7**	**755.1**	**617.0**	**350.4**
Johor	1,217.2	46.8	172.5	177.5	165.1	153.5	131.1	112.4	99.3	90.8	68.3
Kedah	613.4	16.5	87.8	111.9	82.1	71.3	63.4	55.1	52.1	48.2	24.9
Kelantan	452.1	19.3	54.0	84.2	73.3	54.8	44.9	38.1	37.1	30.0	16.5
Melaka	258.5	16.3	33.8	49.5	35.9	31.7	25.3	20.3	20.3	16.4	9.1
Negeri Sembilan	296.8	9.7	46.5	48.8	46.7	38.1	29.5	27.0	22.9	17.5	9.9
Pahang	469.0	18.4	51.7	74.8	73.8	70.6	51.2	39.8	37.3	34.4	17.0
Pulau Pinang	521.6	10.2	63.9	80.7	71.3	72.7	61.1	55.6	50.0	38.4	17.7
Perak	661.4	15.5	93.6	107.1	103.8	78.8	64.0	59.2	54.4	48.8	36.1
Perlis	68.9	2.3	5.4	14.6	13.2	8.9	5.7	4.9	5.9	5.4	2.5
Selangor	2,001.4	71.3	180.4	290.0	337.1	327.8	261.5	217.4	157.0	108.7	50.2
Terengganu	313.6	11.6	32.7	56.8	54.3	43.6	31.7	27.0	24.4	22.4	9.0
Sabah	1,169.9	80.0	164.8	220.4	183.1	158.3	115.4	89.8	72.0	55.7	30.4
Sarawak	830.9	28.1	95.5	132.8	117.0	104.7	83.5	77.8	76.7	70.4	44.3
W.P. Kuala Lumpur	486.5	13.3	40.5	76.0	74.3	78.3	71.1	50.2	42.3	27.0	13.5
W.P. Labuan	27.5	1.3	3.2	2.8	4.1	4.7	3.7	2.6	2.1	2.0	0.9
W.P. Putrajaya	16.9	0.2	2.7	2.4	1.2	3.8	2.7	1.5	1.1	1.1	0.2
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	12.9	13.0	15.3	11.6	11.5	11.8	12.5	12.8	13.2	14.7	19.5
Kedah	6.5	4.6	7.8	7.3	5.7	5.5	6.1	6.3	6.9	7.8	7.1
Kelantan	4.8	5.4	4.8	5.5	5.1	4.2	4.3	4.3	4.9	4.9	4.7
Melaka	2.7	4.5	3.0	3.2	2.5	2.4	2.4	2.3	2.7	2.7	2.6
Negeri Sembilan	3.2	2.7	4.1	3.2	3.3	2.9	2.8	3.1	3.0	2.8	2.8
Pahang	5.0	5.1	4.6	4.9	5.1	5.4	4.9	4.5	4.9	5.6	4.9
Pulau Pinang	5.5	2.8	5.7	5.3	5.0	5.6	5.8	6.3	6.6	6.2	5.1
Perak	7.0	4.3	8.3	7.0	7.2	6.1	6.1	6.7	7.2	7.9	10.3
Perlis	0.7	0.6	0.5	1.0	0.9	0.7	0.5	0.6	0.8	0.9	0.7
Selangor	21.3	19.8	16.0	19.0	23.5	25.2	25.0	24.7	20.8	17.6	14.3
Terengganu	3.3	3.2	2.9	3.7	3.8	3.3	3.0	3.1	3.2	3.6	2.6
Sabah	12.4	22.2	14.6	14.4	12.7	12.2	11.0	10.2	9.5	9.0	8.7
Sarawak	8.8	7.8	8.5	8.7	8.1	8.0	8.0	8.9	10.2	11.4	12.6
W.P. Kuala Lumpur	5.2	3.7	3.6	5.0	5.2	6.0	6.8	5.7	5.6	4.4	3.9
W.P. Labuan	0.3	0.4	0.3	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.3
W.P. Putrajaya	0.2	0.1	0.2	0.2	0.1	0.3	0.3	0.2	0.1	0.2	0.1

Jadual B4.3: **Penduduk bekerja mengikut negeri, kumpulan umur dan jantina, Malaysia, 2022 (samb.)**
Table B4.3: *Employed persons by state, age group and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*											
Negeri *State*	**Jumlah** *Total*	**15 - 19**	**20 - 24**	**25 - 29**	**30 - 34**	**35 - 39**	**40 - 44**	**45 - 49**	**50 - 54**	**55 - 59**	**60 - 64**
Jumlah ('000) *Total*	**5,986.2**	**235.3**	**690.8**	**1,115.6**	**1,042.3**	**888.4**	**697.5**	**530.0**	**430.5**	**256.5**	**99.2**
Johor	602.3	20.0	73.2	128.1	100.2	83.7	77.3	47.9	41.1	21.2	9.6
Kedah	351.5	13.0	49.1	69.7	54.1	36.9	44.6	37.4	27.3	17.1	2.4
Kelantan	261.7	5.0	21.0	56.1	43.2	29.4	31.0	26.0	21.4	13.4	15.1
Melaka	189.2	1.2	20.6	43.6	30.5	31.5	24.6	13.6	15.9	4.9	2.8
Negeri Sembilan	176.9	6.3	21.7	36.7	29.0	22.7	16.8	17.2	13.9	8.7	3.9
Pahang	246.9	7.8	35.9	47.0	39.2	37.6	24.2	21.7	18.2	11.4	3.8
Pulau Pinang	352.4	3.1	45.8	71.7	54.9	49.1	45.4	34.0	24.5	18.0	5.9
Perak	405.4	11.2	52.8	95.1	62.1	50.3	46.5	30.8	30.2	19.3	7.0
Perlis	40.6	1.0	5.6	6.8	7.3	5.3	4.1	3.5	3.5	2.3	1.4
Selangor	1,596.2	80.4	148.4	206.5	321.7	277.2	197.6	154.1	128.7	71.0	10.5
Terengganu	166.7	3.7	22.9	34.8	25.0	20.4	16.1	17.5	14.9	7.8	3.5
Sabah	705.9	59.9	89.7	170.8	120.7	98.8	59.7	43.7	34.8	20.1	7.7
Sarawak	481.7	16.5	49.9	87.2	91.0	70.0	53.3	41.2	32.8	27.1	12.6
W.P. Kuala Lumpur	371.0	3.2	49.1	57.5	58.0	66.9	50.8	39.2	20.8	13.0	12.6
W.P. Labuan	17.5	0.2	2.6	3.1	2.8	3.3	2.3	1.3	0.9	0.8	0.3
W.P. Putrajaya	20.6	2.7	2.3	1.1	2.5	5.4	3.2	1.1	1.4	0.6	0.2
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	12.7	10.0	14.8	14.1	12.6	12.2	12.2	10.6	11.9	10.2	10.4
Kedah	5.9	5.2	6.7	7.8	5.9	4.3	4.3	5.7	6.6	7.2	5.3
Kelantan	4.5	4.0	6.4	5.6	4.0	3.0	3.6	4.2	5.3	5.7	5.8
Melaka	2.9	2.3	3.5	3.2	3.0	2.4	2.6	3.5	2.1	2.9	2.9
Negeri Sembilan	3.4	3.4	4.0	3.2	3.2	3.4	3.1	3.4	3.7	4.2	4.6
Pahang	3.9	3.9	4.8	3.9	3.3	3.4	4.1	4.5	4.0	4.1	3.9
Pulau Pinang	6.5	3.6	6.5	6.8	6.9	6.5	5.7	6.0	6.5	7.7	6.6
Perak	6.8	5.9	7.9	7.1	6.2	5.9	6.9	6.4	7.6	8.0	8.4
Perlis	0.9	1.3	1.1	0.8	0.6	0.7	0.8	1.3	0.9	1.0	1.5
Selangor	26.1	32.5	17.9	20.5	27.6	31.0	30.0	27.5	25.3	21.3	22.1
Terengganu	2.8	3.5	3.7	2.8	2.2	2.3	2.5	3.1	3.7	3.3	3.9
Sabah	8.2	14.1	10.2	9.8	7.9	8.2	6.4	6.5	6.8	7.4	6.7
Sarawak	7.8	7.7	8.5	7.9	7.6	6.3	6.4	7.7	9.0	11.7	14.5
W.P. Kuala Lumpur	7.6	2.4	3.4	6.0	8.5	9.3	10.5	8.9	5.8	4.7	3.1
W.P. Labuan	0.3	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.4	0.4
W.P. Putrajaya	0.5	0.0	0.3	0.3	0.4	0.8	0.8	0.5	0.4	0.3	0.0

Jadual B4.4: **Penduduk bekerja mengikut negeri, kumpulan umur dan strata, Malaysia, 2022**
Table B4.4: *Employed persons by state, age group and strata, Malaysia, 2022*

Bandar/*Urban*

Negeri *State*	Jumlah *Total*	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) *Total*	**12,543.7**	**449.1**	**1,436.8**	**2,144.5**	**2,068.4**	**1,837.7**	**1,476.0**	**1,161.4**	**965.8**	**694.7**	**309.3**
Johor	1,486.4	54.3	191.8	254.7	220.9	192.1	175.6	134.4	115.0	92.6	55.0
Kedah	743.8	20.3	103.6	137.8	105.7	88.0	89.2	73.0	60.6	49.4	16.2
Kelantan	431.9	9.2	49.6	92.9	68.3	52.8	47.3	36.8	32.8	23.1	19.2
Melaka	434.8	16.2	52.4	91.6	65.0	61.9	48.8	32.8	34.7	20.2	11.3
Negeri Sembilan	383.0	12.8	56.2	68.8	60.5	51.0	37.5	35.9	29.1	20.6	10.8
Pahang	467.8	17.3	57.0	81.9	70.1	72.4	50.8	39.8	37.8	30.4	10.2
Pulau Pinang	848.1	12.7	104.3	144.8	125.4	119.1	103.9	87.2	72.5	55.0	23.2
Perak	873.8	20.1	118.9	168.7	135.6	106.8	94.7	75.1	72.8	55.7	25.4
Perlis	78.1	2.4	9.0	14.4	13.7	10.1	7.4	6.6	6.5	5.4	2.5
Selangor	3,456.0	138.5	312.8	480.4	639.2	584.9	444.5	354.7	272.1	171.0	57.8
Terengganu	349.8	11.4	42.7	71.5	58.3	46.6	36.3	31.7	26.7	19.3	5.4
Sabah	1,179.9	89.4	138.7	245.1	213.9	166.9	111.5	82.9	70.4	48.1	13.0
Sarawak	875.2	23.7	100.2	149.6	149.4	123.2	95.8	75.3	66.6	59.7	31.6
W.P. Kuala Lumpur	857.5	16.5	89.6	133.5	132.3	145.2	121.9	89.4	63.0	39.9	26.1
W.P. Labuan	40.1	1.4	5.0	5.2	6.4	7.6	5.0	3.3	2.6	2.5	1.1
W.P. Putrajaya	37.5	2.9	5.0	3.5	3.7	9.2	5.9	2.6	2.5	1.7	0.4
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.8	12.1	13.3	11.9	10.7	10.5	11.9	11.6	11.9	13.3	17.8
Kedah	5.9	4.5	7.2	6.4	5.1	4.8	6.0	6.3	6.3	7.1	5.2
Kelantan	3.4	2.0	3.5	4.3	3.3	2.9	3.2	3.2	3.4	3.3	6.2
Melaka	3.5	3.6	3.6	4.3	3.1	3.4	3.3	2.8	3.6	2.9	3.7
Negeri Sembilan	3.1	2.9	3.9	3.2	2.9	2.8	2.5	3.1	3.0	3.0	3.5
Pahang	3.7	3.9	4.0	3.8	3.4	3.9	3.4	3.4	3.9	4.4	3.3
Pulau Pinang	6.8	2.8	7.3	6.8	6.1	6.5	7.0	7.5	7.5	7.9	7.5
Perak	7.0	4.5	8.3	7.9	6.6	5.8	6.4	6.5	7.5	8.0	8.2
Perlis	0.6	0.5	0.6	0.7	0.7	0.5	0.5	0.6	0.7	0.8	0.8
Selangor	27.6	30.8	21.8	22.4	30.9	31.8	30.1	30.5	28.2	24.6	18.7
Terengganu	2.8	2.5	3.0	3.3	2.8	2.5	2.5	2.7	2.8	2.8	1.7
Sabah	9.4	19.9	9.7	11.4	10.3	9.1	7.6	7.1	7.3	6.9	4.2
Sarawak	7.0	5.3	7.0	7.0	7.2	6.7	6.5	6.5	6.9	8.6	10.2
W.P. Kuala Lumpur	6.8	3.7	6.2	6.2	6.4	7.9	8.3	7.7	6.5	5.7	8.4
W.P. Labuan	0.3	0.3	0.3	0.2	0.3	0.4	0.3	0.3	0.3	0.4	0.4
W.P. Putrajaya	0.3	0.6	0.3	0.2	0.2	0.5	0.4	0.2	0.3	0.2	0.1

Jadual B4.4: **Penduduk bekerja mengikut negeri, kumpulan umur dan strata, Malaysia, 2022 (samb.)**
Table B4.4: *Employed persons by state, age group and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*

Negeri *State*	Jumlah *Total*	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) *Total*	**2,848.0**	**146.9**	**383.3**	**501.5**	**410.4**	**352.4**	**267.4**	**247.3**	**219.8**	**178.8**	**140.3**
Johor	333.1	12.6	53.9	50.9	44.4	45.1	32.8	25.9	25.4	19.3	22.9
Kedah	221.1	9.2	33.3	43.8	30.6	20.2	18.8	19.4	18.7	15.9	11.1
Kelantan	281.9	15.2	25.4	47.3	48.2	31.4	28.7	27.4	25.8	20.3	12.3
Melaka	12.8	1.3	2.0	1.5	1.4	1.3	1.1	1.1	1.4	1.1	0.5
Negeri Sembilan	90.7	3.2	12.1	16.7	15.3	9.9	8.9	8.3	7.7	5.6	3.0
Pahang	248.1	8.9	30.7	39.9	42.8	35.7	24.6	21.7	17.7	15.4	10.6
Pulau Pinang	25.8	0.6	5.4	7.6	0.9	2.7	2.6	2.4	1.9	1.4	0.4
Perak	193.1	6.6	27.5	33.5	30.4	22.4	15.7	14.8	11.8	12.4	17.7
Perlis	31.3	0.9	2.1	7.0	6.7	4.1	2.4	1.7	3.0	2.2	1.4
Selangor	141.6	13.2	16.1	16.0	19.6	20.1	14.7	16.8	13.7	8.7	2.8
Terengganu	130.4	4.0	12.9	20.2	21.0	17.4	11.5	12.8	12.7	10.9	7.1
Sabah	695.9	50.5	115.8	146.2	90.0	90.3	63.7	50.5	36.4	27.6	25.1
Sarawak	437.3	20.9	45.3	70.3	58.6	51.6	40.9	43.8	42.9	37.7	25.3
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	4.9	0.1	0.7	0.7	0.6	0.4	1.0	0.6	0.5	0.3	0.1
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.7	8.6	14.1	10.1	10.8	12.8	12.3	10.5	11.6	10.8	16.3
Kedah	7.8	6.3	8.7	8.7	7.5	5.7	7.0	7.8	8.5	8.9	7.9
Kelantan	9.9	10.3	6.6	9.4	11.7	8.9	10.7	11.1	11.7	11.4	8.8
Melaka	0.4	0.9	0.5	0.3	0.3	0.4	0.4	0.4	0.6	0.6	0.4
Negeri Sembilan	3.2	2.2	3.2	3.3	3.7	2.8	3.3	3.4	3.5	3.1	2.1
Pahang	8.7	6.1	8.0	8.0	10.4	10.1	9.2	8.8	8.1	8.6	7.6
Pulau Pinang	0.9	0.4	1.4	1.5	0.2	0.8	1.0	1.0	0.9	0.8	0.3
Perak	6.8	4.5	7.2	6.7	7.4	6.4	5.9	6.0	5.4	6.9	12.6
Perlis	1.1	0.6	0.5	1.4	1.6	1.2	0.9	0.7	1.4	1.2	1.0
Selangor	5.0	9.0	4.2	3.2	4.8	5.7	5.5	6.8	6.2	4.9	2.0
Terengganu	4.6	2.7	3.4	4.0	5.1	4.9	4.3	5.2	5.8	6.1	5.1
Sabah	24.4	34.4	30.2	29.2	21.9	25.6	23.8	20.4	16.6	15.4	17.9
Sarawak	15.4	14.2	11.8	14.0	14.3	14.6	15.3	17.7	19.5	21.1	18.0
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.2	0.1	0.2	0.1	0.1	0.1	0.4	0.2	0.2	0.2	0.1
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B4.5: **Penduduk bekerja mengikut negeri dan pekerjaan, Malaysia, 2022**
Table B4.5: *Employed persons by state and occupation, Malaysia, 2022*

Negeri *State*	**Jumlah** *Total*	**Pengurus** *Managers*	**Profesional** *Professionals*	**Juruteknik dan profesional bersekutu** *Technicians and associate professionals*	**Pekerja sokongan perkeranian** *Clerical support workers*	**Pekerja perkhidmatan dan jualan** *Service and sales workers*	**Pekerja mahir pertanian, perhutanan, penternakan, dan perikanan** *Skilled agricultural forestry,livestock and fishery workers*	**Pekerja kemahiran dan pekerja pertukangan yang berkaitan** *Craft and related trades workers*	**Operator mesin dan loji, dan pemasang** *Plant and machine operators and assemblers*	**Pekerja Asas** *Elementary occupations*
Jumlah ('000) *Total*	**15,391.7**	**712.2**	**1,993.2**	**1,855.1**	**1,534.7**	**3,763.2**	**723.8**	**1,380.7**	**1,584.4**	**1,844.4**
Johor	1,819.5	75.8	187.1	225.1	169.7	453.4	51.6	171.1	280.8	204.8
Kedah	964.8	35.2	113.8	105.2	77.5	243.8	70.9	91.0	131.5	96.0
Kelantan	713.8	14.7	76.2	47.2	50.8	233.5	29.2	84.7	48.2	129.2
Melaka	447.7	25.4	60.3	66.3	40.8	111.6	6.0	36.0	61.4	39.8
Negeri Sembilan	473.7	27.5	74.6	63.9	37.8	106.7	12.9	35.4	56.1	58.7
Pahang	715.9	24.0	68.1	63.5	50.8	196.1	66.2	66.7	72.9	107.5
Pulau Pinang	873.9	46.5	143.4	118.1	90.4	197.6	7.9	62.5	147.1	60.3
Perak	1,066.8	58.6	130.7	112.3	104.7	276.8	43.5	94.7	125.2	120.3
Perlis	109.5	5.4	12.5	10.2	8.0	32.4	8.4	12.4	9.5	10.7
Selangor	3,597.6	218.0	583.2	601.8	490.2	754.7	56.8	346.8	308.9	237.2
Terengganu	480.2	16.0	47.0	47.5	33.7	135.7	27.0	88.2	33.1	52.1
Sabah	1,875.8	48.2	147.6	161.1	153.8	483.4	173.5	123.3	123.3	461.5
Sarawak	1,312.5	45.0	117.4	111.6	118.9	306.8	167.3	109.1	128.6	207.9
W.P. Kuala Lumpur	857.5	68.4	217.5	104.6	91.5	217.5	0.9	52.2	54.0	50.7
W.P. Labuan	45.0	2.4	5.6	8.2	6.3	8.2	1.5	5.9	2.4	4.5
W.P. Putrajaya	37.5	1.1	8.1	8.5	9.9	5.0	0.0	0.6	1.2	3.1
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.8	10.6	9.4	12.1	11.1	12.0	7.1	12.4	17.7	11.1
Kedah	6.3	4.9	5.7	5.7	5.0	6.5	9.8	6.6	8.3	5.2
Kelantan	4.6	2.1	3.8	2.5	3.3	6.2	4.0	6.1	3.0	7.0
Melaka	2.9	3.6	3.0	3.6	2.7	3.0	0.8	2.6	3.9	2.2
Negeri Sembilan	3.1	3.9	3.7	3.4	2.5	2.8	1.8	2.6	3.5	3.2
Pahang	4.7	3.4	3.4	3.4	3.3	5.2	9.1	4.8	4.6	5.8
Pulau Pinang	5.7	6.5	7.2	6.4	5.9	5.3	1.1	4.5	9.3	3.3
Perak	6.9	8.2	6.6	6.1	6.8	7.4	6.0	6.9	7.9	6.5
Perlis	0.7	0.8	0.6	0.5	0.5	0.9	1.2	0.9	0.6	0.6
Selangor	23.4	30.6	29.3	32.4	31.9	20.1	7.8	25.1	19.5	12.9
Terengganu	3.1	2.2	2.4	2.6	2.2	3.6	3.7	6.4	2.1	2.8
Sabah	12.2	6.8	7.4	8.7	10.0	12.8	24.0	8.9	7.8	25.0
Sarawak	8.5	6.3	5.9	6.0	7.7	8.2	23.1	7.9	8.1	11.3
W.P. Kuala Lumpur	5.6	9.6	10.9	5.6	6.0	5.8	0.1	3.8	3.4	2.7
W.P. Labuan	0.3	0.3	0.3	0.4	0.4	0.2	0.2	0.4	0.2	0.2
W.P. Putrajaya	0.2	0.2	0.4	0.5	0.6	0.1	0.0	0.0	0.1	0.2

Jadual B4.6: **Penduduk bekerja mengikut negeri, pekerjaan dan jantina, Malaysia, 2022**
Table B4.6: *Employed persons by state, occupation and sex, Malaysia, 2022*

Lelaki/*Male*

Negeri *State*	**Jumlah** *Total*	**Pengurus** *Managers*	**Profesional** *Professionals*	**Juruteknik dan profesional bersekutu** *Technicians and associate professionals*	**Pekerja sokongan perkeranian** *Clerical support workers*	**Pekerja perkhidmatan dan jualan** *Service and sales workers*	**Pekerja mahir pertanian, perhutanan, penternakan, dan perikanan** *Skilled agricultural forestry,livestock and fishery workers*	**Pekerja kemahiran dan pekerja pertukangan yang berkaitan** *Craft and related trades workers*	**Operator mesin dan loji, dan pemasang** *Plant and machine operators and assemblers*	**Pekerja Asas** *Elementary occupations*
Jumlah ('000) *Total*	**9,405.5**	**537.0**	**966.4**	**1,313.8**	**485.3**	**1,767.6**	**598.9**	**1,091.7**	**1,253.6**	**1,391.2**
Johor	1,217.2	65.4	99.9	171.5	56.5	241.8	46.3	147.0	230.5	158.3
Kedah	613.4	28.2	47.7	72.9	24.2	128.6	65.6	75.2	98.6	72.4
Kelantan	452.1	11.7	29.2	26.2	16.3	129.6	22.8	68.2	41.6	106.6
Melaka	258.5	19.9	24.0	39.3	12.9	57.3	4.9	28.4	41.8	30.0
Negeri Sembilan	296.8	22.6	33.4	45.6	12.1	57.5	11.5	28.8	44.1	41.2
Pahang	469.0	20.1	29.9	39.9	17.4	97.2	57.8	53.9	64.7	88.2
Pulau Pinang	521.6	36.8	79.3	87.6	26.3	93.5	7.4	50.1	96.0	44.6
Perak	661.4	46.4	58.7	72.7	31.5	144.4	39.6	78.0	96.4	93.7
Perlis	68.9	4.2	5.4	5.8	3.3	15.9	8.1	10.4	7.2	8.6
Selangor	2,001.4	143.2	287.0	463.7	152.1	264.0	54.6	236.0	231.8	169.0
Terengganu	313.6	12.9	18.2	33.3	12.6	69.5	23.7	72.2	31.1	40.1
Sabah	1,169.9	34.7	72.3	102.5	52.6	211.2	140.7	104.3	107.5	344.0
Sarawak	830.9	35.5	55.9	75.5	38.3	143.5	114.1	95.0	114.4	158.7
W.P. Kuala Lumpur	486.5	53.0	119.4	68.3	24.5	106.6	0.9	38.3	44.5	30.9
W.P. Labuan	27.5	1.7	2.6	5.5	2.1	3.9	1.0	5.4	2.1	3.1
W.P. Putrajaya	16.9	0.8	3.4	3.5	2.4	3.2	0.0	0.6	1.2	1.8
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	12.9	12.2	10.3	13.1	11.6	13.7	7.7	13.5	18.4	11.4
Kedah	6.5	5.3	4.9	5.5	5.0	7.3	11.0	6.9	7.9	5.2
Kelantan	4.8	2.2	3.0	2.0	3.4	7.3	3.8	6.2	3.3	7.7
Melaka	2.7	3.7	2.5	3.0	2.7	3.2	0.8	2.6	3.3	2.2
Negeri Sembilan	3.2	4.2	3.5	3.5	2.5	3.3	1.9	2.6	3.5	3.0
Pahang	5.0	3.7	3.1	3.0	3.6	5.5	9.7	4.9	5.2	6.3
Pulau Pinang	5.5	6.9	8.2	6.7	5.4	5.3	1.2	4.6	7.7	3.2
Perak	7.0	8.6	6.1	5.5	6.5	8.2	6.6	7.1	7.7	6.7
Perlis	0.7	0.8	0.6	0.4	0.7	0.9	1.4	1.0	0.6	0.6
Selangor	21.3	26.7	29.7	35.3	31.3	14.9	9.1	21.6	18.5	12.1
Terengganu	3.3	2.4	1.9	2.5	2.6	3.9	4.0	6.6	2.5	2.9
Sabah	12.4	6.5	7.5	7.8	10.8	11.9	23.5	9.6	8.6	24.7
Sarawak	8.8	6.6	5.8	5.7	7.9	8.1	19.1	8.7	9.1	11.4
W.P. Kuala Lumpur	5.2	9.9	12.4	5.2	5.0	6.0	0.2	3.5	3.5	2.2
W.P. Labuan	0.3	0.3	0.3	0.4	0.4	0.2	0.2	0.5	0.2	0.2
W.P. Putrajaya	0.2	0.1	0.4	0.3	0.5	0.2	0.0	0.1	0.1	0.1

Jadual B4.6: **Penduduk bekerja mengikut negeri, pekerjaan dan jantina, Malaysia, 2022 (samb.)**
Table B4.6: *Employed persons by state, occupation and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*

Negeri *State*	**Jumlah** *Total*	**Pengurus** *Managers*	**Profesional** *Professionals*	**Juruteknik dan profesional bersekutu** *Technicians and associate professionals*	**Pekerja sokongan perkeranian** *Clerical support workers*	**Pekerja perkhidmatan dan jualan** *Service and sales workers*	**Pekerja mahir pertanian, perhutanan, penternakan, dan perikanan** *Skilled agricultural forestry,livestock and fishery workers*	**Pekerja kemahiran dan pekerja pertukangan yang berkaitan** *Craft and related trades workers*	**Operator mesin dan loji, dan pemasang** *Plant and machine operators and assemblers*	**Pekerja Asas** *Elementary occupations*
Jumlah ('000) *Total*	**5,986.2**	**175.2**	**1,026.8**	**541.3**	**1,049.5**	**1,995.6**	**124.8**	**289.0**	**330.8**	**453.2**
Johor	602.3	10.4	87.3	53.6	113.3	211.6	5.3	24.1	50.3	46.5
Kedah	351.5	7.0	66.0	32.4	53.3	115.2	5.3	15.8	32.9	23.6
Kelantan	261.7	3.0	47.0	21.0	34.4	103.8	6.4	16.6	6.7	22.7
Melaka	189.2	5.6	36.3	27.0	27.8	54.4	1.1	7.6	19.6	9.8
Negeri Sembilan	176.9	4.9	41.2	18.3	25.7	49.2	1.4	6.6	12.0	17.5
Pahang	246.9	3.9	38.2	23.6	33.3	99.0	8.5	12.8	8.2	19.3
Pulau Pinang	352.4	9.7	64.1	30.4	64.1	104.1	0.6	12.5	51.1	15.7
Perak	405.4	12.2	72.0	39.6	73.2	132.4	3.9	16.7	28.7	26.6
Perlis	40.6	1.2	7.1	4.5	4.6	16.4	0.4	2.0	2.3	2.1
Selangor	1,596.2	74.7	296.2	138.1	338.1	490.7	2.2	110.8	77.1	68.3
Terengganu	166.7	3.1	28.8	14.2	21.1	66.2	3.2	16.0	2.0	12.1
Sabah	705.9	13.5	75.3	58.5	101.2	272.2	32.8	19.1	15.8	117.5
Sarawak	481.7	9.4	61.4	36.1	80.6	163.3	53.2	14.2	14.2	49.2
W.P. Kuala Lumpur	371.0	15.4	98.1	36.3	67.0	110.9	-	13.9	9.5	19.8
W.P. Labuan	17.5	0.8	3.0	2.6	4.2	4.3	0.6	0.5	0.3	1.4
W.P. Putrajaya	20.6	0.3	4.7	5.0	7.5	1.9	-	-	-	1.3
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	10.1	5.9	8.5	9.9	10.8	10.6	4.2	8.3	15.2	10.3
Kedah	5.9	4.0	6.4	6.0	5.1	5.8	4.2	5.5	9.9	5.2
Kelantan	4.4	1.7	4.6	3.9	3.3	5.2	5.1	5.7	2.0	5.0
Melaka	3.2	3.2	3.5	5.0	2.6	2.7	0.9	2.6	5.9	2.2
Negeri Sembilan	3.0	2.8	4.0	3.4	2.4	2.5	1.1	2.3	3.6	3.9
Pahang	4.1	2.2	3.7	4.4	3.2	5.0	6.8	4.4	2.5	4.3
Pulau Pinang	5.9	5.5	6.2	5.6	6.1	5.2	0.5	4.3	15.4	3.5
Perak	6.8	7.0	7.0	7.3	7.0	6.6	3.1	5.8	8.7	5.9
Perlis	0.7	0.7	0.7	0.8	0.4	0.8	0.3	0.7	0.7	0.5
Selangor	26.7	42.6	28.8	25.5	32.2	24.6	1.8	38.3	23.3	15.1
Terengganu	2.8	1.8	2.8	2.6	2.0	3.3	2.6	5.5	0.6	2.7
Sabah	11.8	7.7	7.3	10.8	9.6	13.6	26.3	6.6	4.8	25.9
Sarawak	8.0	5.4	6.0	6.7	7.7	8.2	42.6	4.9	4.3	10.9
W.P. Kuala Lumpur	6.2	8.8	9.6	6.7	6.4	5.6	-	4.8	2.9	4.4
W.P. Labuan	0.3	0.5	0.3	0.5	0.4	0.2	0.5	0.2	0.1	0.3

Jadual B4.7: **Penduduk bekerja mengikut negeri, pekerjaan dan strata, Malaysia, 2022**
Table B4.7: *Employed persons by state, occupation and strata, Malaysia, 2022*

Bandar/*Urban*

Negeri *State*	**Jumlah** *Total*	**Pengurus** *Managers*	**Profesional** *Professionals*	**Juruteknik dan profesional bersekutu** *Technicians and associate professionals*	**Pekerja sokongan perkeranian** *Clerical support workers*	**Pekerja perkhidmatan dan jualan** *Service and sales workers*	**Pekerja mahir pertanian, perhutanan, penternakan, dan perikanan** *Skilled agricultural forestry,livestock and fishery workers*	**Pekerja kemahiran dan pekerja pertukangan yang berkaitan** *Craft and related trades workers*	**Operator mesin dan loji, dan pemasang** *Plant and machine operators and assemblers*	**Pekerja Asas** *Elementary occupations*
Jumlah ('000) *Total*	**12,543.7**	**647.4**	**1,803.1**	**1,678.1**	**1,392.6**	**3,201.6**	**259.4**	**1,155.2**	**1,288.7**	**1,117.6**
Johor	1,486.4	67.4	165.7	194.8	148.6	382.2	23.9	140.6	224.3	138.8
Kedah	743.8	30.0	98.6	88.9	66.4	200.4	31.8	67.5	97.3	62.8
Kelantan	431.9	10.9	50.0	31.2	41.5	158.9	5.7	53.5	26.6	53.7
Melaka	434.8	25.2	59.2	65.4	40.2	108.8	5.3	34.4	58.8	37.5
Negeri Sembilan	383.0	23.6	66.0	55.9	32.8	88.4	4.3	28.1	44.1	39.7
Pahang	467.8	17.3	52.5	50.0	38.6	144.2	17.4	48.0	51.2	48.6
Pulau Pinang	848.1	45.9	141.1	114.5	89.3	191.6	6.8	60.3	141.0	57.7
Perak	873.8	52.6	116.4	99.7	94.8	240.8	16.2	82.0	97.0	74.3
Perlis	78.1	3.9	10.5	8.4	6.5	23.9	4.0	7.9	6.4	6.5
Selangor	3,456.0	213.5	564.1	586.3	472.0	720.9	50.9	338.4	289.3	220.5
Terengganu	349.8	12.2	36.0	38.0	29.0	106.4	11.8	66.7	20.5	29.3
Sabah	1,179.9	36.5	119.0	130.6	124.7	363.1	46.0	93.9	80.0	186.1
Sarawak	875.2	36.4	93.4	94.0	101.2	242.1	33.1	75.6	94.9	104.4
W.P. Kuala Lumpur	857.5	68.4	217.5	104.6	91.5	217.5	0.9	52.2	54.0	50.7
W.P. Labuan	40.1	2.2	5.0	7.3	5.7	7.4	1.2	5.4	2.1	3.9
W.P. Putrajaya	37.5	1.1	8.1	8.5	9.9	5.0	-	0.6	1.2	3.1
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.8	10.4	9.2	11.6	10.7	11.9	9.2	12.2	17.4	12.4
Kedah	5.9	4.6	5.5	5.3	4.8	6.3	12.3	5.8	7.6	5.6
Kelantan	3.4	1.7	2.8	1.9	3.0	5.0	2.2	4.6	2.1	4.8
Melaka	3.5	3.9	3.3	3.9	2.9	3.4	2.0	3.0	4.6	3.4
Negeri Sembilan	3.1	3.6	3.7	3.3	2.4	2.8	1.7	2.4	3.4	3.6
Pahang	3.7	2.7	2.9	3.0	2.8	4.5	6.7	4.2	4.0	4.3
Pulau Pinang	6.8	7.1	7.8	6.8	6.4	6.0	2.6	5.2	10.9	5.2
Perak	7.0	8.1	6.5	5.9	6.8	7.5	6.2	7.1	7.5	6.6
Perlis	0.6	0.6	0.6	0.5	0.5	0.7	1.5	0.7	0.5	0.6
Selangor	27.6	33.0	31.3	34.9	33.9	22.5	19.6	29.3	22.4	19.7
Terengganu	2.8	1.9	2.0	2.3	2.1	3.3	4.5	5.8	1.6	2.6
Sabah	9.4	5.6	6.6	7.8	9.0	11.3	17.7	8.1	6.2	16.7
Sarawak	7.0	5.6	5.2	5.6	7.3	7.6	12.8	6.5	7.4	9.3
W.P. Kuala Lumpur	6.8	10.6	12.1	6.2	6.6	6.8	0.3	4.5	4.2	4.5
W.P. Labuan	0.3	0.3	0.3	0.4	0.4	0.2	0.5	0.5	0.2	0.3
W.P. Putrajaya	0.3	0.2	0.4	0.5	0.7	0.2	-	0.1	0.1	0.3

Jadual B4.7: **Penduduk bekerja mengikut negeri, pekerjaan dan strata, Malaysia, 2022 (samb.)**
Table B4.7: *Employed persons by state, occupation and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*

Negeri *State*	**Jumlah** *Total*	**Pengurus** *Managers*	**Profesional** *Professionals*	**Juruteknik dan profesional bersekutu** *Technicians and associate professionals*	**Pekerja sokongan perkeranian** *Clerical support workers*	**Pekerja perkhidmatan dan jualan** *Service and sales workers*	**Pekerja mahir pertanian, perhutanan, penternakan, dan perikanan** *Skilled agricultural forestry,livestock and fishery workers*	**Pekerja kemahiran dan pekerja pertukangan yang berkaitan** *Craft and related trades workers*	**Operator mesin dan loji, dan pemasang** *Plant and machine operators and assemblers*	**Pekerja Asas** *Elementary occupations*
Jumlah ('000) *Total*	**2,848.0**	**64.8**	**190.1**	**177.0**	**142.1**	**561.7**	**464.3**	**225.5**	**295.7**	**726.8**
Johor	333.1	8.4	21.4	30.3	21.1	71.2	27.7	30.5	56.6	65.9
Kedah	221.1	5.2	15.2	16.3	11.1	43.3	39.0	23.5	34.2	33.2
Kelantan	281.9	3.8	26.3	16.0	9.3	74.6	23.4	31.2	21.7	75.5
Melaka	12.8	0.2	1.1	0.8	0.6	2.8	0.7	1.6	2.6	2.4
Negeri Sembilan	90.7	3.9	8.6	8.0	5.0	18.3	8.6	7.3	12.0	19.0
Pahang	248.1	6.7	15.6	13.5	12.2	51.9	48.8	18.7	21.7	58.9
Pulau Pinang	25.8	0.5	2.3	3.5	1.2	6.1	1.1	2.2	6.2	2.6
Perak	193.1	6.0	14.3	12.6	9.9	36.0	27.3	12.6	28.2	46.0
Perlis	31.3	1.4	2.0	1.9	1.4	8.5	4.4	4.5	3.1	4.1
Selangor	141.6	4.4	19.1	15.5	18.2	33.8	5.9	8.4	19.6	16.7
Terengganu	130.4	3.8	11.0	9.5	4.7	29.3	15.2	21.5	12.7	22.8
Sabah	695.9	11.7	28.6	30.5	29.1	120.3	127.5	29.5	43.3	275.4
Sarawak	437.3	8.5	24.0	17.5	17.6	64.7	134.2	33.5	33.7	103.5
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	4.9	0.3	0.6	0.9	0.6	0.8	0.3	0.5	0.3	0.6
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.7	13.0	11.3	17.1	14.8	12.7	6.0	13.5	19.1	9.1
Kedah	7.8	8.0	8.0	9.2	7.8	7.7	8.4	10.4	11.6	4.6
Kelantan	9.9	5.9	13.8	9.0	6.5	13.3	5.0	13.8	7.3	10.4
Melaka	0.4	0.3	0.6	0.5	0.4	0.5	0.2	0.7	0.9	0.3
Negeri Sembilan	3.2	6.0	4.5	4.5	3.5	3.3	1.9	3.2	4.1	2.6
Pahang	8.7	10.3	8.2	7.6	8.6	9.2	10.5	8.3	7.3	8.1
Pulau Pinang	0.9	0.8	1.2	2.0	0.8	1.1	0.2	1.0	2.1	0.4
Perak	6.8	9.3	7.5	7.1	7.0	6.4	5.9	5.6	9.5	6.3
Perlis	1.1	2.2	1.1	1.1	1.0	1.5	0.9	2.0	1.0	0.6
Selangor	5.0	6.8	10.0	8.8	12.8	6.0	1.3	3.7	6.6	2.3
Terengganu	4.6	5.9	5.8	5.4	3.3	5.2	3.3	9.5	4.3	3.1
Sabah	24.4	18.1	15.0	17.2	20.5	21.4	27.5	13.1	14.6	37.9
Sarawak	15.4	13.1	12.6	9.9	12.4	11.5	28.9	14.9	11.4	14.2
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.2	0.5	0.3	0.5	0.4	0.1	0.1	0.2	0.1	0.1
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B4.8: **Penduduk bekerja mengikut negeri dan industri, Malaysia, 2022**
Table B4.8: *Employed persons by state and industry, Malaysia, 2022*

Negeri *State*	**Jumlah**[1] *Total*	**Pertanian, perhutanan dan perikanan** *Agriculture, forestry and fishing*	**Perlombongan dan pengkuarian** *Mining and quarrying*	**Pembuatan** *Manufacturing*	**Bekalan elektrik, gas, wap dan pendingin udara** *Electricity, gas, steam and air conditioning supply*	**Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan** *Water supply; sewerage, waste management and remediation activities*	**Pembinaan** *Construction*	**Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal** *Wholesale and retail trade; repair of motor vehicles and motorcycles*
Jumlah ('000) *Total*	**15,391.7**	**1,540.9**	**84.3**	**2,590.7**	**79.0**	**88.3**	**1,170.5**	**2,932.6**
Johor	1,819.5	127.6	12.3	456.1	7.5	14.5	119.1	390.3
Kedah	964.8	103.9	2.0	193.3	4.2	6.6	57.4	175.7
Kelantan	713.8	69.1	1.8	73.9	1.8	0.7	90.3	162.8
Melaka	447.7	12.3	3.3	104.1	3.0	2.8	29.4	91.3
Negeri Sembilan	473.7	29.4	2.1	80.4	4.0	4.1	37.9	76.2
Pahang	715.9	143.2	2.3	78.5	5.0	8.1	44.1	110.6
Pulau Pinang	873.9	14.4	2.8	304.0	3.3	5.3	52.4	128.3
Perak	1,066.8	100.2	2.2	186.8	5.9	3.4	72.2	189.2
Perlis	109.5	9.8	0.2	10.4	0.2	1.9	9.5	16.9
Selangor	3,597.6	86.6	33.5	573.8	28.6	21.7	287.1	742.1
Terengganu	480.2	39.8	6.7	56.4	3.3	2.7	70.4	84.8
Sabah	1,875.8	505.6	3.7	244.4	3.4	4.9	132.1	328.0
Sarawak	1,312.5	294.7	6.4	146.9	6.8	7.8	106.9	222.4
W.P. Kuala Lumpur	857.5	3.2	0.8	76.2	1.7	3.7	57.7	202.1
W.P. Labuan	45.0	1.1	4.2	5.0	0.3	0.1	3.3	7.1
W.P. Putrajaya	37.5	-	-	0.7	-	0.1	0.5	5.0
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.8	8.3	14.6	17.6	9.5	16.4	10.2	13.3
Kedah	6.3	6.7	2.4	7.5	5.3	7.5	4.9	6.0
Kelantan	4.6	4.5	2.1	2.9	2.3	0.8	7.7	5.6
Melaka	2.9	0.8	3.9	4.0	3.8	3.2	2.5	3.1
Negeri Sembilan	3.1	1.9	2.5	3.1	5.1	4.6	3.2	2.6
Pahang	4.7	9.3	2.7	3.0	6.3	9.2	3.8	3.8
Pulau Pinang	5.7	0.9	3.3	11.7	4.2	6.0	4.5	4.4
Perak	6.9	6.5	2.6	7.2	7.5	3.9	6.2	6.5
Perlis	0.7	0.6	0.2	0.4	0.3	2.2	0.8	0.6
Selangor	23.4	5.6	39.7	22.1	36.2	24.6	24.5	25.3
Terengganu	3.1	2.6	7.9	2.2	4.2	3.1	6.0	2.9
Sabah	12.2	32.8	4.4	9.4	4.3	5.5	11.3	11.2
Sarawak	8.5	19.1	7.6	5.7	8.6	8.8	9.1	7.6
W.P. Kuala Lumpur	5.6	0.2	0.9	2.9	2.2	4.2	4.9	6.9
W.P. Labuan	0.3	0.1	5.0	0.2	0.4	0.1	0.3	0.2
W.P. Putrajaya	0.2	-	-	0.0	-	0.1	0.0	0.2

[1] **Jumlah termasuk 'Aktivtiti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual B4.8: **Penduduk bekerja mengikut negeri dan industri, Malaysia, 2022 (samb.)**
Table B4.8: *Employed persons by state and industry, Malaysia, 2022 (cont'd)*

Negeri *State*	**Pengangkutan dan penyimpanan** *Transportation and storage*	**Penginapan dan aktiviti perkhidmatan makanan dan minuman** *Accommodation and food and beverage service activities*	**Maklumat dan komunikasi** *Information and communication*	**Aktiviti kewangan dan insurans/takaful** *Financial and insurance/takaful activities*	**Aktiviti hartanah** *Real estate activities*	**Aktiviti profesional, saintifik dan teknikal** *Professional, scientific and technical activities*	**Aktiviti pentadbiran dan khidmat sokongan** *Administrative and support service activities*
Jumlah ('000) *Total*	**711.4**	**1,547.7**	**236.4**	**397.2**	**83.7**	**365.7**	**862.4**
Johor	101.2	148.4	9.4	32.3	12.0	40.8	98.4
Kedah	34.2	94.9	4.3	13.4	2.5	12.4	49.6
Kelantan	26.6	72.3	3.4	9.9	1.3	6.9	48.5
Melaka	13.1	46.4	4.5	10.8	1.4	8.0	25.7
Negeri Sembilan	25.1	47.8	6.3	11.9	2.5	13.0	30.7
Pahang	31.4	68.5	3.5	8.0	1.3	9.6	46.7
Pulau Pinang	55.6	83.8	9.1	20.0	4.8	21.2	39.3
Perak	39.0	123.6	9.9	20.5	1.7	19.7	59.5
Perlis	3.6	15.8	0.7	1.5	0.5	0.9	8.8
Selangor	210.6	394.1	114.7	162.1	34.6	108.6	229.0
Terengganu	14.3	53.8	3.7	7.1	0.9	6.5	35.5
Sabah	60.7	189.1	9.0	17.2	3.5	18.0	81.7
Sarawak	55.6	101.7	9.6	20.6	2.3	23.4	55.0
W.P. Kuala Lumpur	36.8	100.2	47.3	59.6	14.2	74.8	49.3
W.P. Labuan	2.8	5.2	0.3	1.1	0.2	0.8	4.3
W.P. Putrajaya	0.8	2.1	0.8	0.9	0.1	1.1	0.4
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	14.2	9.6	4.0	8.1	14.3	11.2	11.4
Kedah	4.8	6.1	1.8	3.4	3.0	3.4	5.8
Kelantan	3.7	4.7	1.4	2.5	1.6	1.9	5.6
Melaka	1.8	3.0	1.9	2.7	1.7	2.2	3.0
Negeri Sembilan	3.5	3.1	2.7	3.0	3.0	3.6	3.6
Pahang	4.4	4.4	1.5	2.0	1.6	2.6	5.4
Pulau Pinang	7.8	5.4	3.8	5.0	5.7	5.8	4.6
Perak	5.5	8.0	4.2	5.2	2.0	5.4	6.9
Perlis	0.5	1.0	0.3	0.4	0.6	0.2	1.0
Selangor	29.6	25.5	48.5	40.8	41.3	29.7	26.6
Terengganu	2.0	3.5	1.6	1.8	1.1	1.8	4.1
Sabah	8.5	12.2	3.8	4.3	4.2	4.9	9.5
Sarawak	7.8	6.6	4.1	5.2	2.7	6.4	6.4
W.P. Kuala Lumpur	5.2	6.5	20.0	15.0	17.0	20.5	5.7
W.P. Labuan	0.4	0.3	0.1	0.3	0.2	0.2	0.5
W.P. Putrajaya	0.1	0.1	0.3	0.2	0.1	0.3	0.0

Jadual B4.8: **Penduduk bekerja mengikut negeri dan industri, Malaysia, 2022 (samb.)**
Table B4.8: *Employed persons by state and industry, Malaysia, 2022 (cont'd)*

Negeri *State*	**Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib** *Public administration and defence; compulsory social security*	**Pendidikan** *Education*	**Aktiviti kesihatan kemanusiaan dan kerja sosial** *Human health and social work activities*	**Kesenian, hiburan dan rekreasi** *Arts, entertainment and recreation*	**Aktiviti perkhidmatan lain** *Other service activities*	**Aktiviti isi rumah sebagai majikan** *Activities of households as employers*
Jumlah ('000) *Total*	**747.7**	**943.7**	**599.0**	**63.5**	**279.0**	**67.8**
Johor	59.4	90.2	58.6	4.7	29.4	7.1
Kedah	70.9	82.9	41.4	3.0	11.2	1.0
Kelantan	32.7	59.5	37.3	1.9	12.0	1.0
Melaka	32.4	33.7	14.5	1.6	8.5	0.9
Negeri Sembilan	31.2	36.7	19.2	2.2	8.7	4.2
Pahang	53.9	56.9	28.9	3.4	9.4	2.7
Pulau Pinang	33.8	42.7	32.2	3.1	13.3	4.6
Perak	65.2	90.3	55.6	4.2	15.6	2.2
Perlis	12.2	10.3	4.2	0.5	1.4	0.1
Selangor	100.9	186.4	149.0	17.6	97.5	19.0
Terengganu	30.9	34.1	17.9	2.4	8.6	0.6
Sabah	82.5	88.5	54.6	10.1	25.2	13.9
Sarawak	91.4	85.0	49.0	4.5	19.5	3.1
W.P. Kuala Lumpur	26.8	41.6	32.2	4.0	17.9	7.1
W.P. Labuan	4.5	2.6	1.0	0.2	0.5	0.2
W.P. Putrajaya	19.0	2.4	3.5	-	0.3	-
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	7.9	9.6	9.8	7.4	10.5	10.5
Kedah	9.5	8.8	6.9	4.7	4.0	1.5
Kelantan	4.4	6.3	6.2	3.0	4.3	1.5
Melaka	4.3	3.6	2.4	2.5	3.0	1.3
Negeri Sembilan	4.2	3.9	3.2	3.5	3.1	6.2
Pahang	7.2	6.0	4.8	5.4	3.4	4.0
Pulau Pinang	4.5	4.5	5.4	4.9	4.8	6.8
Perak	8.7	9.6	9.3	6.6	5.6	3.2
Perlis	1.6	1.1	0.7	0.8	0.5	0.1
Selangor	13.5	19.8	24.9	27.7	34.9	28.0
Terengganu	4.1	3.6	3.0	3.8	3.1	0.9
Sabah	11.0	9.4	9.1	15.9	9.0	20.5
Sarawak	12.2	9.0	8.2	7.1	7.0	4.6
W.P. Kuala Lumpur	3.6	4.4	5.4	6.3	6.4	10.5
W.P. Labuan	0.6	0.3	0.2	0.3	0.2	0.3
W.P. Putrajaya	2.5	0.3	0.6	-	0.1	-

Jadual B4.9: **Penduduk bekerja mengikut negeri, industri dan jantina, Malaysia, 2022**
Table B4.9: *Employed persons by state, industry and sex, Malaysia, 2022*

Lelaki/*Male*								
Negeri *State*	**Jumlah**[1] *Total*	**Pertanian, perhutanan dan perikanan** *Agriculture, forestry and fishing*	**Perlombongan dan pengkuarian** *Mining and quarrying*	**Pembuatan** *Manufacturing*	**Bekalan elektrik, gas, wap dan pendingin udara** *Electricity, gas, steam and air conditioning supply*	**Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan** *Water supply; sewerage, waste management and remediation activities*	**Pembinaan** *Construction*	**Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal** *Wholesale and retail trade; repair of motor vehicles and motorcycles*
Jumlah ('000) *Total*	**9,403.3**	**1,223.4**	**52.6**	**1,691.5**	**73.3**	**68.5**	**1,028.6**	**1,618.3**
Johor	1,217.2	114.5	9.7	311.7	7.5	13.4	110.5	258.8
Kedah	613.4	89.8	0.7	124.7	3.2	5.2	52.5	105.9
Kelantan	452.1	56.4	0.9	46.0	1.6	0.3	81.8	102.9
Melaka	258.5	10.8	1.7	64.2	1.3	2.0	25.2	43.6
Negeri Sembilan	296.8	23.5	1.3	53.6	3.7	3.3	34.1	47.5
Pahang	469.0	129.3	2.0	54.7	4.6	7.3	40.4	55.0
Pulau Pinang	521.6	10.2	2.5	186.4	3.3	3.4	46.9	78.0
Perak	661.4	89.3	1.5	112.1	5.6	2.9	62.8	117.7
Perlis	68.9	9.3	0.2	5.7	0.1	1.3	8.9	10.3
Selangor	1,999.3	36.6	15.7	389.2	28.1	14.3	230.1	363.1
Terengganu	313.6	36.0	5.4	32.4	3.2	1.9	67.1	49.0
Sabah	1,169.9	406.5	2.4	179.1	3.2	4.1	123.3	144.9
Sarawak	830.9	207.1	5.0	96.9	6.0	6.8	95.1	120.0
W.P. Kuala Lumpur	486.4	3.1	0.0	30.8	1.5	2.2	46.6	114.6
W.P. Labuan	27.5	0.9	3.6	3.5	0.3	0.1	2.9	3.3
W.P. Putrajaya	16.9	0.0	0.0	0.6	0.0	0.1	0.4	3.6
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	12.9	9.4	18.5	18.4	10.2	19.5	10.7	16.0
Kedah	6.5	7.3	1.3	7.4	4.4	7.6	5.1	6.5
Kelantan	4.8	4.6	1.7	2.7	2.2	0.4	8.0	6.4
Melaka	2.7	0.9	3.1	3.8	1.8	2.9	2.5	2.7
Negeri Sembilan	3.2	1.9	2.5	3.2	5.1	4.8	3.3	2.9
Pahang	5.0	10.6	3.8	3.2	6.3	10.6	3.9	3.4
Pulau Pinang	5.5	0.8	4.7	11.0	4.5	4.9	4.6	4.8
Perak	7.0	7.3	2.9	6.6	7.6	4.3	6.1	7.3
Perlis	0.7	0.8	0.4	0.3	0.2	1.8	0.9	0.6
Selangor	21.3	3.0	29.9	23.0	38.3	20.9	22.4	22.4
Terengganu	3.3	2.9	10.3	1.9	4.4	2.7	6.5	3.0
Sabah	12.4	33.2	4.5	10.6	4.3	5.9	12.0	9.0
Sarawak	8.8	16.9	9.5	5.7	8.2	10.0	9.2	7.4
W.P. Kuala Lumpur	5.2	0.3	0.0	1.8	2.1	3.3	4.5	7.1
W.P. Labuan	0.3	0.1	6.8	0.2	0.4	0.2	0.3	0.2
W.P. Putrajaya	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.2

[1] **Jumlah termasuk 'Aktivtiti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual B4.9: **Penduduk bekerja mengikut negeri, industri dan jantina, Malaysia, 2022 (samb.)**
Table B4.9: *Employed persons by state, industry and sex, Malaysia, 2022 (cont'd)*

Lelaki/*Male* **Negeri** *State*	**Pengangkutan dan penyimpanan** *Transportation and storage*	**Penginapan dan aktiviti perkhidmatan makanan dan minuman** *Accommodation and food and beverage service activities*	**Maklumat dan komunikasi** *Information and communication*	**Aktiviti kewangan dan insurans/takaful** *Financial and insurance/takaful activities*	**Aktiviti hartanah** *Real estate activities*	**Aktiviti profesional, saintifik dan teknikal** *Professional, scientific and technical activities*	**Aktiviti pentadbiran dan khidmat sokongan** *Administrative and support service activities*
Jumlah ('000) *Total*	**558.4**	**748.2**	**156.4**	**190.3**	**50.0**	**184.9**	**500.9**
Johor	84.9	75.5	5.9	14.4	7.8	21.5	67.4
Kedah	29.9	51.7	2.4	5.0	1.9	5.9	33.6
Kelantan	24.2	34.1	1.9	3.9	1.3	3.8	34.3
Melaka	11.0	31.7	2.0	4.6	1.1	2.7	17.4
Negeri Sembilan	22.4	26.3	4.2	4.7	1.1	6.3	20.0
Pahang	25.9	33.0	2.3	3.5	1.0	4.2	26.9
Pulau Pinang	43.5	44.9	6.5	7.5	2.3	8.6	25.4
Perak	30.8	66.8	6.5	8.7	0.6	7.7	36.6
Perlis	3.0	7.2	0.3	0.8	0.3	0.5	5.9
Selangor	142.1	163.6	77.7	90.3	21.8	56.5	104.2
Terengganu	13.2	27.6	3.1	2.8	0.7	3.3	21.5
Sabah	51.2	72.0	5.6	7.5	1.7	8.3	31.7
Sarawak	47.8	53.4	6.2	7.7	1.0	11.4	36.7
W.P. Kuala Lumpur	25.9	57.5	30.9	28.0	7.2	43.0	35.9
W.P. Labuan	2.0	1.9	0.2	0.5	0.1	0.4	3.3
W.P. Putrajaya	0.8	0.8	0.6	0.4	0.1	0.6	0.3
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	15.2	10.1	3.8	7.6	15.6	11.6	13.5
Kedah	5.4	6.9	1.5	2.6	3.8	3.2	6.7
Kelantan	4.3	4.6	1.2	2.0	2.6	2.1	6.8
Melaka	2.0	4.2	1.3	2.4	2.2	1.5	3.5
Negeri Sembilan	4.0	3.5	2.7	2.5	2.2	3.4	4.0
Pahang	4.6	4.4	1.5	1.8	2.0	2.3	5.4
Pulau Pinang	7.8	6.0	4.2	3.9	4.6	4.7	5.1
Perak	5.5	8.9	4.2	4.6	1.2	4.2	7.3
Perlis	0.5	1.0	0.2	0.4	0.6	0.3	1.2
Selangor	25.4	21.9	49.7	47.5	43.6	30.6	20.8
Terengganu	2.4	3.7	2.0	1.5	1.4	1.8	4.3
Sabah	9.2	9.6	3.6	3.9	3.4	4.5	6.3
Sarawak	8.6	7.1	4.0	4.0	2.0	6.2	7.3
W.P. Kuala Lumpur	4.6	7.7	19.8	14.7	14.4	23.3	7.2
W.P. Labuan	0.4	0.3	0.1	0.3	0.2	0.2	0.7
W.P. Putrajaya	0.1	0.1	0.4	0.2	0.2	0.3	0.1

Jadual B4.9: **Penduduk bekerja mengikut negeri, industri dan jantina, Malaysia, 2022 (samb.)**
Table B4.9: *Employed persons by state, industry and sex, Malaysia, 2022 (cont'd)*

Lelaki/*Male*						
Negeri *State*	**Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib** *Public administration and defence; compulsory social security*	**Pendidikan** *Education*	**Aktiviti kesihatan kemanusiaan dan kerja sosial** *Human health and social work activities*	**Kesenian, hiburan dan rekreasi** *Arts, entertainment and recreation*	**Aktiviti perkhidmatan lain** *Other service activities*	**Aktiviti isi rumah sebagai majikan** *Activities of households as employers*
Jumlah ('000) *Total*	**513.0**	**327.9**	**226.6**	**32.9**	**153.0**	**4.9**
Johor	38.9	32.6	18.5	2.5	21.0	0.4
Kedah	50.2	29.5	12.2	2.1	6.8	0.2
Kelantan	21.5	14.6	12.1	1.5	8.8	0.1
Melaka	19.4	10.1	3.9	0.6	5.3	0.1
Negeri Sembilan	20.5	13.0	5.9	1.3	4.0	0.1
Pahang	42.6	21.4	8.4	1.9	4.7	-
Pulau Pinang	19.3	13.8	8.1	2.5	8.2	0.1
Perak	49.4	31.8	20.1	2.0	8.4	0.1
Perlis	8.5	4.0	1.2	0.2	0.9	0.1
Selangor	72.1	64.6	81.8	5.8	41.4	0.3
Terengganu	22.0	10.4	5.4	2.0	6.5	0.1
Sabah	53.8	31.5	21.8	6.6	14.4	0.5
Sarawak	65.9	33.8	16.0	1.3	11.7	0.9
W.P. Kuala Lumpur	18.2	15.6	10.6	2.5	10.3	2.0
W.P. Labuan	2.8	0.8	0.3	0.1	0.4	-
W.P. Putrajaya	7.8	0.5	0.2	-	0.2	-
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	7.6	9.9	8.2	7.6	13.7	8.2
Kedah	9.8	9.0	5.4	6.4	4.4	4.1
Kelantan	4.2	4.5	5.3	4.6	5.8	2.0
Melaka	3.8	3.1	1.7	1.8	3.5	2.0
Negeri Sembilan	4.0	4.0	2.6	4.0	2.6	2.0
Pahang	8.3	6.5	3.7	5.8	3.1	-
Pulau Pinang	3.8	4.2	3.6	7.6	5.4	2.0
Perak	9.6	9.7	8.9	6.1	5.5	2.0
Perlis	1.7	1.2	0.5	0.6	0.6	2.0
Selangor	14.1	19.7	36.1	17.6	27.1	6.1
Terengganu	4.3	3.2	2.4	6.1	4.2	2.0
Sabah	10.5	9.6	9.6	20.1	9.4	10.2
Sarawak	12.8	10.3	7.1	4.0	7.6	18.4
W.P. Kuala Lumpur	3.5	4.8	4.7	7.6	6.7	40.8
W.P. Labuan	0.5	0.2	0.1	0.3	0.3	-
W.P. Putrajaya	1.5	0.2	0.1	-	0.1	-

Jadual B4.9: **Penduduk bekerja mengikut negeri, industri dan jantina, Malaysia, 2022 (samb.)**
Table B4.9: *Employed persons by state, industry and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*								
Negeri *State*	**Jumlah**[1] *Total*	**Pertanian, perhutanan dan perikanan** *Agriculture, forestry and fishing*	**Perlombongan dan pengkuarian** *Mining and quarrying*	**Pembuatan** *Manufacturing*	**Bekalan elektrik, gas, wap dan pendingin udara** *Electricity, gas, steam and air conditioning supply*	**Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan** *Water supply; sewerage, waste management and remediation activities*	**Pembinaan** *Construction*	**Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal** *Wholesale and retail trade; repair of motor vehicles and motorcycles*
Jumlah ('000) *Total*	**5,986.2**	**317.5**	**31.7**	**899.2**	**5.7**	**19.8**	**141.8**	**1,312.3**
Johor	602.3	13.1	2.6	144.4	0.1	1.1	8.6	131.5
Kedah	351.5	14.1	1.3	68.5	0.9	1.4	4.9	69.8
Kelantan	261.7	12.7	0.9	27.9	0.2	0.4	8.5	59.9
Melaka	189.2	1.6	1.6	39.9	1.7	0.8	4.2	47.7
Negeri Sembilan	176.9	5.9	0.8	26.9	0.3	0.8	3.9	28.7
Pahang	246.9	14.0	0.3	23.9	0.3	0.8	3.7	55.6
Pulau Pinang	352.4	4.1	0.3	117.5	-	2.0	5.5	50.2
Perak	405.4	10.8	0.6	74.7	0.3	0.5	9.4	71.4
Perlis	40.6	0.5	-	4.6	0.1	0.6	0.7	6.6
Selangor	1,596.2	50.0	17.8	184.5	0.5	7.4	57.0	376.9
Terengganu	166.7	3.7	1.3	24.0	0.1	0.8	3.3	35.8
Sabah	705.9	99.1	1.3	65.3	0.2	0.8	8.8	183.1
Sarawak	481.7	87.6	1.4	50.1	0.7	1.0	11.8	102.4
W.P. Kuala Lumpur	371.0	0.1	0.8	45.4	0.1	1.5	11.1	87.4
W.P. Labuan	17.5	0.1	0.7	1.5	0.1	-	0.4	3.8
W.P. Putrajaya	20.6	-	-	0.1	-	-	0.2	1.5
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	10.1	4.1	8.2	16.1	1.8	5.6	6.1	10.0
Kedah	5.9	4.4	4.1	7.6	15.8	7.1	3.5	5.3
Kelantan	4.4	4.0	2.8	3.1	3.5	2.0	6.0	4.6
Melaka	3.2	0.5	5.0	4.4	29.8	4.0	3.0	3.6
Negeri Sembilan	3.0	1.9	2.5	3.0	5.3	4.0	2.8	2.2
Pahang	4.1	4.4	0.9	2.7	5.3	4.0	2.6	4.2
Pulau Pinang	5.9	1.3	0.9	13.1	-	10.1	3.9	3.8
Perak	6.8	3.4	1.9	8.3	5.3	2.5	6.6	5.4
Perlis	0.7	0.2	-	0.5	1.8	3.0	0.5	0.5
Selangor	26.7	15.7	56.2	20.5	8.8	37.4	40.2	28.7
Terengganu	2.8	1.2	4.1	2.7	1.8	4.0	2.3	2.7
Sabah	11.8	31.2	4.1	7.3	3.5	4.0	6.2	14.0
Sarawak	8.0	27.6	4.4	5.6	12.3	5.1	8.3	7.8
W.P. Kuala Lumpur	6.2	0.0	2.5	5.0	1.8	7.6	7.8	6.7
W.P. Labuan	0.3	0.0	2.2	0.2	1.8	-	0.3	0.3
W.P. Putrajaya	0.3	-	-	0.0	-	-	0.1	0.1

[1] **Jumlah termasuk 'Aktivtiti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual B4.9: **Penduduk bekerja mengikut negeri, industri dan jantina, Malaysia, 2022 (samb.)**
Table B4.9: *Employed persons by state, industry and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*							
Negeri *State*	**Pengangkutan dan penyimpanan** *Transportation and storage*	**Penginapan dan aktiviti perkhidmatan makanan dan minuman** *Accommodation and food and beverage service activities*	**Maklumat dan komunikasi** *Information and communication*	**Aktiviti kewangan dan insurans/takaful** *Financial and insurance/takaful activities*	**Aktiviti hartanah** *Real estate activities*	**Aktiviti profesional, saintifik dan teknikal** *Professional, scientific and technical activities*	**Aktiviti pentadbiran dan khidmat sokongan** *Administrative and support service activities*
Jumlah ('000) *Total*	**153.0**	**799.6**	**80.0**	**206.9**	**33.8**	**180.9**	**361.6**
Johor	16.3	73.0	3.6	17.9	4.2	19.3	31.0
Kedah	4.3	43.2	1.9	8.5	0.6	6.5	16.0
Kelantan	2.5	38.2	1.4	6.0	-	3.1	14.3
Melaka	2.1	14.7	2.4	6.2	0.3	5.3	8.3
Negeri Sembilan	2.7	21.6	2.0	7.3	1.4	6.7	10.7
Pahang	5.5	35.5	1.1	4.5	0.3	5.3	19.8
Pulau Pinang	12.1	39.0	2.6	12.5	2.6	12.6	13.9
Perak	8.2	56.8	3.4	11.9	1.1	12.0	22.9
Perlis	0.6	8.6	0.4	0.7	0.2	0.4	2.9
Selangor	68.6	230.5	37.1	71.8	12.8	52.1	124.8
Terengganu	1.1	26.2	0.6	4.3	0.2	3.2	14.0
Sabah	9.5	117.1	3.3	9.7	1.9	9.7	50.1
Sarawak	7.8	48.3	3.4	12.9	1.2	12.0	18.4
W.P. Kuala Lumpur	10.9	42.7	16.4	31.6	7.0	31.8	13.4
W.P. Labuan	0.8	3.2	0.1	0.7	0.1	0.4	1.0
W.P. Putrajaya	-	1.3	0.2	0.5	-	0.5	-
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	10.7	9.1	4.5	8.7	12.4	10.7	8.6
Kedah	2.8	5.4	2.4	4.1	1.8	3.6	4.4
Kelantan	1.6	4.8	1.8	2.9	-	1.7	4.0
Melaka	1.4	1.8	3.0	3.0	0.9	2.9	2.3
Negeri Sembilan	1.8	2.7	2.5	3.5	4.1	3.7	3.0
Pahang	3.6	4.4	1.4	2.2	0.9	2.9	5.5
Pulau Pinang	7.9	4.9	3.3	6.0	7.7	7.0	3.8
Perak	5.4	7.1	4.3	5.8	3.3	6.6	6.3
Perlis	0.4	1.1	0.5	0.3	0.6	0.2	0.8
Selangor	44.8	28.8	46.4	34.7	37.9	28.8	34.5
Terengganu	0.7	3.3	0.8	2.1	0.6	1.8	3.9
Sabah	6.2	14.6	4.1	4.7	5.6	5.4	13.9
Sarawak	5.1	6.0	4.3	6.2	3.6	6.6	5.1
W.P. Kuala Lumpur	7.1	5.3	20.5	15.3	20.7	17.6	3.7
W.P. Labuan	0.5	0.4	0.1	0.3	0.3	0.2	0.3
W.P. Putrajaya	-	0.2	0.3	0.2	-	0.3	-

Jadual B4.9: **Penduduk bekerja mengikut negeri, industri dan jantina, Malaysia, 2022 (samb.)**
Table B4.9: *Employed persons by state, industry and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*						
Negeri *State*	**Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib** *Public administration and defence; compulsory social security*	**Pendidikan** *Education*	**Aktiviti kesihatan kemanusiaan dan kerja sosial** *Human health and social work activities*	**Kesenian, hiburan dan rekreasi** *Arts, entertainment and recreation*	**Aktiviti perkhidmatan lain** *Other service activities*	**Aktiviti isi rumah sebagai majikan** *Activities of households as employers*
Jumlah ('000) *Total*	**234.8**	**615.8**	**372.4**	**30.7**	**126.0**	**62.9**
Johor	20.6	57.6	40.1	2.1	8.4	6.8
Kedah	20.7	53.3	29.2	0.9	4.4	0.8
Kelantan	11.2	44.8	25.1	0.4	3.2	0.9
Melaka	13.0	23.6	10.6	1.0	3.3	0.8
Negeri Sembilan	10.7	23.7	13.3	0.9	4.7	4.1
Pahang	11.3	35.5	20.6	1.6	4.7	2.7
Pulau Pinang	14.4	28.9	24.0	0.6	5.1	4.5
Perak	15.8	58.5	35.5	2.1	7.2	2.1
Perlis	3.7	6.3	3.0	0.3	0.5	-
Selangor	28.8	121.8	67.2	11.9	56.1	18.8
Terengganu	8.9	23.7	12.5	0.4	2.1	0.5
Sabah	28.7	57.1	32.8	3.4	10.9	13.4
Sarawak	25.5	51.2	33.0	3.2	7.8	2.2
W.P. Kuala Lumpur	8.6	26.1	21.7	1.6	7.5	5.1
W.P. Labuan	1.7	1.8	0.6	0.2	0.1	0.2
W.P. Putrajaya	11.1	1.9	3.3	-	-	-
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	8.8	9.4	10.8	6.8	6.7	10.8
Kedah	8.8	8.7	7.8	2.9	3.5	1.3
Kelantan	4.8	7.3	6.7	1.3	2.5	1.4
Melaka	5.5	3.8	2.8	3.3	2.6	1.3
Negeri Sembilan	4.6	3.8	3.6	2.9	3.7	6.5
Pahang	4.8	5.8	5.5	5.2	3.7	4.3
Pulau Pinang	6.1	4.7	6.4	2.0	4.0	7.2
Perak	6.7	9.5	9.5	6.8	5.7	3.3
Perlis	1.6	1.0	0.8	1.0	0.4	-
Selangor	12.3	19.8	18.0	38.8	44.5	29.9
Terengganu	3.8	3.8	3.4	1.3	1.7	0.8
Sabah	12.2	9.3	8.8	11.1	8.7	21.3
Sarawak	10.9	8.3	8.9	10.4	6.2	3.5
W.P. Kuala Lumpur	3.7	4.2	5.8	5.2	6.0	8.1
W.P. Labuan	0.7	0.3	0.2	0.7	0.1	0.3
W.P. Putrajaya	4.7	0.3	0.9	-	-	-

Jadual B4.10: **Penduduk bekerja mengikut negeri, industri dan strata, Malaysia, 2022**
Table B4.10: *Employed persons by state, industry and strata, Malaysia, 2022*

Bandar/*Urban*								
Negeri *State*	**Jumlah**[1] *Total*	**Pertanian, perhutanan dan perikanan** *Agriculture, forestry and fishing*	**Perlombongan dan pengkuarian** *Mining and quarrying*	**Pembuatan** *Manufacturing*	**Bekalan elektrik, gas, wap dan pendingin udara** *Electricity, gas, steam and air conditioning supply*	**Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan** *Water supply; sewerage, waste management and remediation activities*	**Pembinaan** *Construction*	**Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal** *Wholesale and retail trade; repair of motor vehicles and motorcycles*
Jumlah ('000) *Total*	**12,543.7**	**626.3**	**73.0**	**2,223.3**	**67.2**	**73.2**	**933.5**	**2,555.3**
Johor	1,486.4	60.2	9.6	383.2	5.1	11.3	93.1	333.1
Kedah	743.7	47.8	1.7	152.5	3.0	5.2	41.7	141.7
Kelantan	431.9	15.5	1.4	51.0	1.2	0.2	48.1	114.2
Melaka	434.8	10.4	3.2	100.8	3.0	2.7	28.3	89.7
Negeri Sembilan	383.0	11.1	2.0	66.1	3.5	3.0	32.4	65.9
Pahang	467.8	46.1	1.7	52.6	4.3	5.7	32.4	82.9
Pulau Pinang	848.1	12.8	2.8	292.8	3.3	5.2	50.2	125.6
Perak	873.8	38.0	1.2	162.0	5.1	1.4	63.4	164.0
Perlis	78.1	4.6	0.2	8.2	0.2	1.5	5.8	12.5
Selangor	3,456.0	78.9	33.0	549.3	27.9	21.1	273.7	713.5
Terengganu	349.8	12.3	5.8	43.4	2.2	1.7	53.9	68.1
Sabah	1,179.9	187.4	1.7	165.6	2.2	3.9	95.4	246.5
Sarawak	875.2	97.1	4.1	114.5	4.2	6.4	54.0	184.6
W.P. Kuala Lumpur	857.5	3.2	0.8	76.2	1.7	3.7	57.7	202.1
W.P. Labuan	40.1	0.9	3.9	4.7	0.3	0.1	3.0	6.1
W.P. Putrajaya	37.5	-	-	0.7	-	0.1	0.5	5.0
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.8	9.6	13.2	17.2	7.7	15.5	10.0	13.0
Kedah	5.9	7.6	2.3	6.9	4.5	7.1	4.5	5.5
Kelantan	3.4	2.5	1.9	2.3	1.7	0.3	5.2	4.5
Melaka	3.5	1.7	4.3	4.5	4.5	3.7	3.0	3.5
Negeri Sembilan	3.1	1.8	2.7	3.0	5.2	4.1	3.5	2.6
Pahang	3.7	7.4	2.3	2.4	6.4	7.8	3.5	3.2
Pulau Pinang	6.8	2.1	3.8	13.2	4.9	7.1	5.4	4.9
Perak	7.0	6.1	1.6	7.3	7.6	1.9	6.8	6.4
Perlis	0.6	0.7	0.2	0.4	0.3	2.0	0.6	0.5
Selangor	27.6	12.6	45.2	24.7	41.5	28.9	29.3	27.9
Terengganu	2.8	2.0	8.0	2.0	3.3	2.3	5.8	2.7
Sabah	9.4	29.9	2.3	7.4	3.2	5.3	10.2	9.6
Sarawak	7.0	15.5	5.7	5.1	6.2	8.8	5.8	7.2
W.P. Kuala Lumpur	6.8	0.5	1.1	3.4	2.5	5.1	6.2	7.9
W.P. Labuan	0.3	0.1	5.4	0.2	0.5	0.1	0.3	0.2
W.P. Putrajaya	0.3	-	-	0.0	-	0.1	0.1	0.2

[1] **Jumlah termasuk 'Aktivtiti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual B4.10: **Penduduk bekerja mengikut negeri, industri dan strata, Malaysia, 2022 (samb.)**
Table B4.10: *Employed persons by state, industry and strata, Malaysia, 2022 (cont'd)*

Bandar/*Urban*

Negeri *State*	**Pengangkutan dan penyimpanan** *Transportation and storage*	**Penginapan dan aktiviti perkhidmatan makanan dan minuman** *Accommodation and food and beverage service activities*	**Maklumat dan komunikasi** *Information and communication*	**Aktiviti kewangan dan insurans/takaful** *Financial and insurance/takaful activities*	**Aktiviti hartanah** *Real estate activities*	**Aktiviti profesional, saintifik dan teknikal** *Professional, scientific and technical activities*	**Aktiviti pentadbiran dan khidmat sokongan** *Administrative and support service activities*
Jumlah ('000) *Total*	**627.8**	**1,310.2**	**225.1**	**373.8**	**80.0**	**344.0**	**709.3**
Johor	88.5	125.1	8.1	28.9	10.9	35.4	79.3
Kedah	27.1	75.7	3.8	11.6	2.4	11.4	37.6
Kelantan	15.8	45.7	2.4	8.0	0.9	4.9	25.8
Melaka	12.6	44.9	4.3	10.8	1.4	7.9	24.7
Negeri Sembilan	22.8	38.5	5.6	10.5	2.3	11.9	23.1
Pahang	23.9	50.5	2.7	6.5	1.2	8.4	27.9
Pulau Pinang	54.5	81.6	8.9	19.8	4.8	21.0	37.3
Perak	33.8	106.6	8.9	18.1	1.3	18.2	45.6
Perlis	2.0	11.7	0.7	0.9	0.4	0.9	5.2
Selangor	198.9	383.3	111.8	157.2	33.7	104.6	218.3
Terengganu	9.7	42.3	2.9	6.0	0.8	5.5	25.3
Sabah	51.2	117.7	7.6	14.8	3.1	15.0	65.7
Sarawak	46.9	79.5	8.9	19.0	2.1	22.2	39.9
W.P. Kuala Lumpur	36.8	100.2	47.3	59.6	14.2	74.8	49.3
W.P. Labuan	2.4	4.9	0.3	1.1	0.2	0.8	3.9
W.P. Putrajaya	0.8	2.1	0.8	0.9	0.1	1.1	0.4
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	14.1	9.5	3.6	7.7	13.6	10.3	11.2
Kedah	4.3	5.8	1.7	3.1	2.9	3.3	5.3
Kelantan	2.5	3.5	1.1	2.1	1.2	1.4	3.6
Melaka	2.0	3.4	1.9	2.9	1.7	2.3	3.5
Negeri Sembilan	3.6	2.9	2.5	2.8	2.9	3.5	3.3
Pahang	3.8	3.9	1.2	1.7	1.5	2.5	3.9
Pulau Pinang	8.7	6.2	4.0	5.3	6.0	6.1	5.3
Perak	5.4	8.1	3.9	4.8	1.7	5.3	6.4
Perlis	0.3	0.9	0.3	0.2	0.6	0.3	0.7
Selangor	31.7	29.3	49.7	42.1	42.2	30.4	30.8
Terengganu	1.5	3.2	1.3	1.6	1.0	1.6	3.6
Sabah	8.2	9.0	3.4	4.0	3.9	4.3	9.3
Sarawak	7.5	6.1	4.0	5.1	2.7	6.5	5.6
W.P. Kuala Lumpur	5.9	7.6	21.0	15.9	17.7	21.7	7.0
W.P. Labuan	0.4	0.4	0.1	0.3	0.3	0.2	0.5
W.P. Putrajaya	0.1	0.2	0.3	0.2	0.1	0.3	0.1

Jadual B4.10: **Penduduk bekerja mengikut negeri, industri dan strata, Malaysia, 2022 (samb.)**
Table B4.10: *Employed persons by state, industry and strata, Malaysia, 2022 (cont'd)*

Bandar/*Urban*

Negeri *State*	**Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib** *Public administration and defence; compulsory social security*	**Pendidikan** *Education*	**Aktiviti kesihatan kemanusiaan dan kerja sosial** *Human health and social work activities*	**Kesenian, hiburan dan rekreasi** *Arts, entertainment and recreation*	**Aktiviti perkhidmatan lain** *Other service activities*	**Aktiviti isi rumah sebagai majikan** *Activities of households as employers*
Jumlah ('000) *Total*	**636.7**	**791.5**	**524.6**	**55.8**	**255.9**	**57.1**
Johor	51.1	75.8	51.9	3.6	25.6	6.5
Kedah	61.3	70.0	35.6	2.9	9.7	0.9
Kelantan	21.6	37.1	27.0	1.5	9.0	0.6
Melaka	31.9	33.1	14.3	1.6	8.4	0.9
Negeri Sembilan	24.2	29.6	16.9	2.0	8.2	3.5
Pahang	43.4	42.0	22.7	3.1	8.0	1.8
Pulau Pinang	33.3	41.7	31.7	3.0	13.1	4.6
Perak	56.5	79.0	50.1	4.1	14.6	2.0
Perlis	9.7	8.4	3.5	0.5	1.3	0.1
Selangor	95.9	178.5	145.0	16.8	95.7	18.9
Terengganu	21.1	25.0	14.4	1.5	7.3	0.6
Sabah	65.1	66.4	35.8	7.7	20.6	6.5
Sarawak	71.8	59.0	39.1	3.1	15.9	3.0
W.P. Kuala Lumpur	26.8	41.6	32.2	4.0	17.9	7.1
W.P. Labuan	4.0	2.0	0.8	0.2	0.4	0.2
W.P. Putrajaya	19.0	2.4	3.5	0.0	0.3	-
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	8.0	9.6	9.9	6.5	10.0	11.4
Kedah	9.6	8.8	6.8	5.3	3.8	1.6
Kelantan	3.4	4.7	5.1	2.7	3.5	1.0
Melaka	5.0	4.2	2.7	2.9	3.3	1.6
Negeri Sembilan	3.8	3.7	3.2	3.7	3.2	6.1
Pahang	6.8	5.3	4.3	5.5	3.1	3.2
Pulau Pinang	5.2	5.3	6.0	5.4	5.1	8.0
Perak	8.9	10.0	9.6	7.4	5.7	3.5
Perlis	1.5	1.1	0.7	0.8	0.5	0.1
Selangor	15.1	22.6	27.6	30.2	37.4	33.1
Terengganu	3.3	3.2	2.7	2.6	2.9	1.0
Sabah	10.2	8.4	6.8	13.8	8.1	11.3
Sarawak	11.3	7.5	7.5	5.6	6.2	5.2
W.P. Kuala Lumpur	4.2	5.3	6.1	7.2	7.0	12.4
W.P. Labuan	0.6	0.3	0.2	0.4	0.2	0.4
W.P. Putrajaya	3.0	0.3	0.7	0.0	0.1	-

Jadual B4.10: **Penduduk bekerja mengikut negeri, industri dan strata, Malaysia, 2022 (samb.)**
Table B4.10: Employed persons by state, industry and strata, Malaysia, 2022 (cont'd)

Luar bandar/*Rural*								
Negeri *State*	**Jumlah**[1] *Total*	**Pertanian, perhutanan dan perikanan** *Agriculture, forestry and fishing*	**Perlombongan dan pengkuarian** *Mining and quarrying*	**Pembuatan** *Manufacturing*	**Bekalan elektrik, gas, wap dan pendingin udara** *Electricity, gas, steam and air conditioning supply*	**Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan** *Water supply; sewerage, waste management and remediation activities*	**Pembinaan** *Construction*	**Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal** *Wholesale and retail trade; repair of motor vehicles and motorcycles*
Jumlah ('000) *Total*	**2,848.0**	**914.6**	**11.3**	**367.4**	**11.8**	**15.1**	**236.9**	**377.3**
Johor	333.1	67.4	2.7	72.9	2.4	3.2	26.1	57.2
Kedah	221.1	56.1	0.3	40.8	1.1	1.4	15.7	34.1
Kelantan	281.9	53.6	0.4	23.0	0.7	0.5	42.2	48.6
Melaka	12.8	1.9	0.1	3.3	0.0	0.1	1.2	1.6
Negeri Sembilan	90.7	18.4	0.2	14.4	0.5	1.1	5.5	10.4
Pahang	248.1	97.1	0.6	25.9	0.7	2.3	11.6	27.7
Pulau Pinang	25.8	1.5	-	11.2	0.0	0.1	2.2	2.6
Perak	193.1	62.2	1.0	24.8	0.7	2.0	8.8	25.2
Perlis	31.3	5.2	0.0	2.1	0.0	0.4	3.7	4.4
Selangor	141.6	7.7	0.6	24.5	0.7	0.6	13.4	28.6
Terengganu	130.4	27.5	0.9	13.0	1.1	1.0	16.5	16.7
Sabah	695.9	318.2	2.0	78.8	1.2	1.0	36.7	81.5
Sarawak	437.3	197.6	2.3	32.5	2.6	1.4	52.9	37.8
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	4.9	0.2	0.3	0.3	0.0	0.0	0.3	1.0
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.7	7.4	23.7	19.8	20.1	21.0	11.0	15.1
Kedah	7.8	6.1	2.4	11.1	9.6	9.2	6.6	9.0
Kelantan	9.9	5.9	3.4	6.3	5.7	3.1	17.8	12.9
Melaka	0.5	0.2	1.1	0.9	0.2	0.7	0.5	0.4
Negeri Sembilan	3.2	2.0	1.4	3.9	4.0	7.3	2.3	2.7
Pahang	8.7	10.6	5.5	7.1	5.6	15.5	4.9	7.3
Pulau Pinang	0.9	0.2	-	3.0	0.3	0.8	0.9	0.7
Perak	6.8	6.8	8.9	6.8	6.3	13.4	3.7	6.7
Perlis	1.1	0.6	0.2	0.6	0.2	2.7	1.6	1.2
Selangor	5.0	0.8	5.0	6.7	6.2	3.8	5.7	7.6
Terengganu	4.6	3.0	8.0	3.5	9.5	6.6	7.0	4.4
Sabah	24.4	34.8	17.5	21.4	10.0	6.6	15.5	21.6
Sarawak	15.4	21.6	20.2	8.8	21.9	9.1	22.3	10.0
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.2	0.0	2.7	0.1	0.2	0.1	0.1	0.3
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

[1] **Jumlah termasuk 'Aktivtiti badan dan pertubuhan luar wilayah'** / *Total includes 'Activities of extraterritorial organizations and bodies'*

Jadual B4.10: **Penduduk bekerja mengikut negeri, industri dan strata, Malaysia, 2022 (samb.)**
Table B4.10: *Employed persons by state, industry and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural* **Negeri** *State*	**Pengangkutan dan penyimpanan** *Transportation and storage*	**Penginapan dan aktiviti perkhidmatan makanan dan minuman** *Accommodation and food and beverage service activities*	**Maklumat dan komunikasi** *Information and communication*	**Aktiviti kewangan dan insurans/takaful** *Financial and insurance/takaful activities*	**Aktiviti hartanah** *Real estate activities*	**Aktiviti profesional, saintifik dan teknikal** *Professional, scientific and technical activities*	**Aktiviti pentadbiran dan khidmat sokongan** *Administrative and support service activities*
Jumlah ('000) *Total*	**83.6**	**237.5**	**11.4**	**23.4**	**3.7**	**21.7**	**153.1**
Johor	12.7	23.4	1.3	3.4	1.1	5.4	19.1
Kedah	7.1	19.2	0.5	1.8	0.2	1.1	12.0
Kelantan	10.8	26.5	1.0	1.9	0.4	2.0	22.7
Melaka	0.5	1.5	0.1	0.0	0.0	0.1	1.0
Negeri Sembilan	2.3	9.4	0.7	1.4	0.1	1.1	7.6
Pahang	7.5	18.0	0.8	1.4	0.0	1.1	18.8
Pulau Pinang	1.2	2.2	0.2	0.2	-	0.3	1.9
Perak	5.2	17.0	1.0	2.5	0.4	1.5	13.9
Perlis	1.6	4.1	0.1	0.6	0.0	-	3.7
Selangor	11.7	10.8	3.0	4.9	0.8	4.0	10.7
Terengganu	4.5	11.5	0.8	1.1	0.1	1.0	10.2
Sabah	9.4	71.4	1.3	2.4	0.4	3.0	16.0
Sarawak	8.7	22.3	0.6	1.6	0.1	1.2	15.2
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.4	0.3	0.0	0.1	-	0.1	0.5
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	15.2	9.8	11.6	14.6	30.7	24.8	12.5
Kedah	8.5	8.1	4.4	7.7	4.1	5.0	7.8
Kelantan	12.9	11.2	8.5	8.3	10.3	9.3	14.8
Melaka	0.6	0.6	1.0	0.2	0.7	0.2	0.6
Negeri Sembilan	2.7	3.9	6.1	6.1	3.5	5.1	5.0
Pahang	8.9	7.6	6.8	6.1	1.3	5.2	12.3
Pulau Pinang	1.4	0.9	1.9	0.9	-	1.2	1.3
Perak	6.3	7.2	8.8	10.6	10.3	6.8	9.0
Perlis	1.9	1.7	0.6	2.5	0.8	-	2.4
Selangor	14.0	4.5	26.0	21.0	22.3	18.3	7.0
Terengganu	5.4	4.8	7.0	4.8	1.9	4.8	6.7
Sabah	11.3	30.1	11.8	10.1	11.0	13.8	10.5
Sarawak	10.4	9.4	5.5	6.8	3.1	5.3	9.9
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.5	0.1	0.1	0.3	-	0.2	0.3
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B4.10: **Penduduk bekerja mengikut negeri, industri dan strata, Malaysia, 2022 (samb.)**
Table B4.10: *Employed persons by state, industry and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*

Negeri *State*	**Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib** *Public administration and defence; compulsory social security*	**Pendidikan** *Education*	**Aktiviti kesihatan kemanusiaan dan kerja sosial** *Human health and social work activities*	**Kesenian, hiburan dan rekreasi** *Arts, entertainment and recreation*	**Aktiviti perkhidmatan lain** *Other service activities*	**Aktiviti isi rumah sebagai majikan** *Activities of households as employers*
Jumlah ('000) *Total*	**111.0**	**152.2**	**74.4**	**7.7**	**23.1**	**10.7**
Johor	8.4	14.4	6.7	1.0	3.9	0.6
Kedah	9.6	12.8	5.8	0.1	1.5	0.1
Kelantan	11.1	22.4	10.3	0.4	3.0	0.4
Melaka	0.5	0.6	0.2	-	0.1	-
Negeri Sembilan	7.0	7.1	2.3	0.1	0.5	0.8
Pahang	10.5	14.9	6.2	0.4	1.5	0.9
Pulau Pinang	0.4	1.0	0.4	0.1	0.2	-
Perak	8.8	11.3	5.5	0.1	1.0	0.2
Perlis	2.5	1.9	0.8	0.1	0.2	-
Selangor	5.0	7.9	4.0	0.8	1.8	0.1
Terengganu	9.8	9.1	3.5	0.9	1.3	-
Sabah	17.3	22.1	18.7	2.4	4.6	7.4
Sarawak	19.7	26.0	9.8	1.4	3.6	0.1
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.5	0.7	0.2	0.0	0.0	0.0
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	7.5	9.4	9.0	13.6	16.7	5.8
Kedah	8.6	8.4	7.7	0.8	6.4	0.8
Kelantan	10.0	14.7	13.9	5.0	13.0	4.1
Melaka	0.5	0.4	0.3	-	0.5	-
Negeri Sembilan	6.3	4.7	3.1	1.6	2.0	7.1
Pahang	9.5	9.8	8.4	4.8	6.3	8.3
Pulau Pinang	0.4	0.7	0.6	0.9	0.7	-
Perak	7.9	7.4	7.4	0.9	4.4	1.7
Perlis	2.3	1.2	1.0	0.7	0.8	-
Selangor	4.5	5.2	5.4	10.2	7.9	1.3
Terengganu	8.8	6.0	4.7	12.0	5.4	-
Sabah	15.6	14.5	25.2	31.0	20.1	69.8
Sarawak	17.7	17.1	13.2	18.3	15.7	1.0
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.4	0.4	0.2	0.2	0.0	0.2
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B4.11: **Penduduk bekerja mengikut negeri dan taraf pekerjaan, Malaysia, 2022**
Table B4.11: *Employed persons by state and status in employment, Malaysia, 2022*

Negeri *State*	Jumlah *Total*	Majikan *Employer*	Pekerja *Employee*	Bekerja sendiri *Own account worker*	Pekerja keluarga tanpa gaji *Unpaid family worker*
Jumlah ('000) *Total*	**15,391.7**	**532.9**	**12,046.8**	**2,325.0**	**487.0**
Johor	1,819.5	54.5	1,485.0	245.2	34.8
Kedah	964.8	10.7	715.6	207.3	31.3
Kelantan	713.8	9.9	478.5	197.6	27.8
Melaka	447.7	12.4	372.0	59.1	4.2
Negeri Sembilan	473.7	14.2	363.4	77.3	18.8
Pahang	715.9	15.6	524.1	151.1	25.1
Pulau Pinang	873.9	29.5	749.8	81.3	13.4
Perak	1,066.8	42.8	826.4	163.1	34.5
Perlis	109.5	5.0	75.2	27.0	2.3
Selangor	3,597.6	225.7	2,869.8	405.4	96.6
Terengganu	480.2	9.3	347.1	107.7	16.1
Sabah	1,875.8	39.6	1,439.2	320.5	76.6
Sarawak	1,312.5	27.5	985.0	204.1	96.0
W.P. Kuala Lumpur	857.5	35.1	743.8	69.2	9.3
W.P. Labuan	45.0	1.0	39.0	4.7	0.3
W.P. Putrajaya	37.5	0.2	32.9	4.4	0.0
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.8	10.2	12.3	10.5	7.1
Kedah	6.3	2.0	5.9	8.9	6.4
Kelantan	4.6	1.9	4.0	8.5	5.7
Melaka	2.9	2.3	3.1	2.5	0.9
Negeri Sembilan	3.1	2.7	3.0	3.3	3.9
Pahang	4.7	2.9	4.4	6.5	5.1
Pulau Pinang	5.7	5.5	6.2	3.5	2.7
Perak	6.9	8.0	6.9	7.0	7.1
Perlis	0.7	0.9	0.6	1.2	0.5
Selangor	23.4	42.3	23.8	17.4	19.8
Terengganu	3.1	1.7	2.9	4.6	3.3
Sabah	12.2	7.4	11.9	13.8	15.7
Sarawak	8.5	5.2	8.2	8.8	19.7
W.P. Kuala Lumpur	5.6	6.6	6.2	3.0	1.9
W.P. Labuan	0.3	0.2	0.3	0.2	0.1
W.P. Putrajaya	0.2	0.0	0.3	0.2	0.0

Jadual B4.12: **Penduduk bekerja mengikut negeri, taraf pekerjaan dan jantina, Malaysia, 2022**
Table B4.12: *Employed persons by state, status in employment and sex, Malaysia, 2022*

Lelaki/*Male*

Negeri *State*	**Jumlah** *Total*	**Majikan** *Employer*	**Pekerja** *Employee*	**Bekerja sendiri** *Own account worker*	**Pekerja keluarga tanpa gaji** *Unpaid family worker*
Jumlah ('000) *Total*	**9,405.5**	**425.1**	**7,113.9**	**1,685.3**	**181.2**
Johor	1,217.2	49.8	975.0	182.6	9.8
Kedah	613.4	7.8	431.8	163.2	10.5
Kelantan	452.1	8.5	290.1	143.6	9.9
Melaka	258.5	10.5	207.3	39.1	1.6
Negeri Sembilan	296.8	12.4	218.4	57.6	8.4
Pahang	469.0	12.7	339.4	108.5	8.4
Pulau Pinang	521.6	26.6	437.2	53.9	3.7
Perak	661.4	36.7	485.7	128.0	11.1
Perlis	68.9	3.7	44.1	20.4	0.7
Selangor	2,001.4	160.2	1,550.3	257.6	33.3
Terengganu	313.6	7.5	230.8	70.2	5.1
Sabah	1,169.9	31.2	849.0	249.9	39.8
Sarawak	830.9	23.8	617.3	154.5	35.3
W.P. Kuala Lumpur	486.5	32.8	399.1	51.2	3.4
W.P. Labuan	27.5	0.8	23.4	3.2	0.1
W.P. Putrajaya	16.9	0.0	15.0	1.9	0.0
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	12.9	11.7	13.7	10.8	5.4
Kedah	6.5	1.8	6.1	9.7	5.8
Kelantan	4.8	2.0	4.1	8.5	5.5
Melaka	2.7	2.5	2.9	2.3	0.9
Negeri Sembilan	3.2	2.9	3.1	3.4	4.6
Pahang	5.0	3.0	4.8	6.4	4.6
Pulau Pinang	5.5	6.3	6.1	3.2	2.1
Perak	7.0	8.6	6.8	7.6	6.1
Perlis	0.7	0.9	0.6	1.2	0.4
Selangor	21.3	37.7	21.8	15.3	18.4
Terengganu	3.3	1.8	3.2	4.2	2.8
Sabah	12.4	7.3	11.9	14.8	22.0
Sarawak	8.8	5.6	8.7	9.2	19.5
W.P. Kuala Lumpur	5.2	7.7	5.6	3.0	1.9
W.P. Labuan	0.3	0.2	0.3	0.2	0.1
W.P. Putrajaya	0.2	0.0	0.2	0.1	0.0

Jadual B4.12: **Penduduk bekerja mengikut negeri, taraf pekerjaan dan jantina, Malaysia, 2022 (samb.)**
Table B4.12: *Employed persons by state, status in employment and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*					
Negeri *State*	**Jumlah** *Total*	**Majikan** *Employer*	**Pekerja** *Employee*	**Bekerja sendiri** *Own account worker*	**Pekerja keluarga tanpa gaji** *Unpaid family worker*
Jumlah ('000) *Total*	**5,986.2**	**107.8**	**4,933.0**	**639.7**	**305.8**
Johor	602.3	4.7	510.0	62.6	25.0
Kedah	351.5	2.9	283.8	44.1	20.7
Kelantan	261.7	1.4	188.4	54.0	17.9
Melaka	189.2	1.8	164.7	20.0	2.7
Negeri Sembilan	176.9	1.8	144.9	19.7	10.4
Pahang	246.9	2.9	184.7	42.6	16.6
Pulau Pinang	352.4	2.9	312.5	27.3	9.6
Perak	405.4	6.2	340.7	35.1	23.3
Perlis	40.6	1.3	31.1	6.6	1.6
Selangor	1,596.2	65.5	1,319.5	147.9	63.4
Terengganu	166.7	1.8	116.4	37.5	11.0
Sabah	705.9	8.4	590.1	70.7	36.7
Sarawak	481.7	3.7	367.7	49.6	60.7
W.P. Kuala Lumpur	371.0	2.3	344.7	18.0	5.9
W.P. Labuan	17.5	0.2	15.7	1.4	0.2
W.P. Putrajaya	20.6	0.1	18.0	2.5	0.0
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	10.1	4.4	10.3	9.8	8.2
Kedah	5.9	2.7	5.8	6.9	6.8
Kelantan	4.4	1.3	3.8	8.4	5.9
Melaka	3.2	1.7	3.3	3.1	0.9
Negeri Sembilan	3.0	1.7	2.9	3.1	3.4
Pahang	4.1	2.7	3.7	6.7	5.4
Pulau Pinang	5.9	2.7	6.3	4.3	3.1
Perak	6.8	5.7	6.9	5.5	7.6
Perlis	0.7	1.2	0.6	1.0	0.5
Selangor	26.7	60.7	26.7	23.1	20.7
Terengganu	2.8	1.7	2.4	5.9	3.6
Sabah	11.8	7.8	12.0	11.0	12.0
Sarawak	8.0	3.4	7.5	7.8	19.8
W.P. Kuala Lumpur	6.2	2.2	7.0	2.8	1.9
W.P. Labuan	0.3	0.2	0.3	0.2	0.1
W.P. Putrajaya	0.3	0.1	0.4	0.4	0.0

Jadual B4.13: **Penduduk bekerja mengikut negeri, taraf pekerjaan dan strata, Malaysia, 2022**
Table B4.13: *Employed persons by state, status in employment and strata, Malaysia, 2022*

Bandar/*Urban*

Negeri *State*	**Jumlah** *Total*	**Majikan** *Employer*	**Pekerja** *Employee*	**Bekerja sendiri** *Own account worker*	**Pekerja keluarga tanpa gaji** *Unpaid family worker*
Jumlah ('000) *Total*	**12,543.7**	**492.7**	**10,078.0**	**1,646.5**	**326.4**
Johor	1,486.4	49.4	1,219.4	188.4	29.2
Kedah	743.8	8.4	575.4	139.8	20.1
Kelantan	431.9	7.6	304.9	102.6	16.8
Melaka	434.8	12.2	361.8	56.7	4.2
Negeri Sembilan	383.0	12.0	301.4	56.2	13.4
Pahang	467.8	9.6	358.6	82.8	16.9
Pulau Pinang	848.1	29.4	727.9	77.9	12.9
Perak	873.8	38.8	688.4	117.4	29.2
Perlis	78.1	3.9	56.0	16.6	1.6
Selangor	3,456.0	223.3	2,759.7	378.8	94.3
Terengganu	349.8	7.3	259.2	72.2	11.1
Sabah	1,179.9	31.1	937.6	178.9	32.3
Sarawak	875.2	23.6	716.0	100.7	34.9
W.P. Kuala Lumpur	857.5	35.1	743.8	69.2	9.3
W.P. Labuan	40.1	0.9	35.0	4.0	0.2
W.P. Putrajaya	37.5	0.2	32.9	4.4	0.0
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.8	10.0	12.1	11.4	8.9
Kedah	5.9	1.7	5.7	8.5	6.2
Kelantan	3.4	1.5	3.0	6.2	5.1
Melaka	3.5	2.5	3.6	3.4	1.3
Negeri Sembilan	3.1	2.4	3.0	3.4	4.1
Pahang	3.7	1.9	3.6	5.0	5.2
Pulau Pinang	6.8	6.0	7.2	4.7	4.0
Perak	7.0	7.9	6.8	7.1	8.9
Perlis	0.6	0.8	0.6	1.0	0.5
Selangor	27.6	45.3	27.4	23.0	28.9
Terengganu	2.8	1.5	2.6	4.4	3.4
Sabah	9.4	6.3	9.3	10.9	9.9
Sarawak	7.0	4.8	7.1	6.1	10.7
W.P. Kuala Lumpur	6.8	7.1	7.4	4.2	2.9
W.P. Labuan	0.3	0.2	0.3	0.2	0.1
W.P. Putrajaya	0.3	0.0	0.3	0.3	0.0

Jadual B4.13: **Penduduk bekerja mengikut negeri, taraf pekerjaan dan strata, Malaysia, 2022 (samb.)**
Table B4.13: *Employed persons by state, status in employment and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*

Negeri *State*	**Jumlah** *Total*	**Majikan** *Employer*	**Pekerja** *Employee*	**Bekerja sendiri** *Own account worker*	**Pekerja keluarga tanpa gaji** *Unpaid family worker*
Jumlah ('000) *Total*	**2,848.0**	**40.2**	**1,968.8**	**678.5**	**160.6**
Johor	333.1	5.1	265.6	56.8	5.6
Kedah	221.1	2.3	140.2	67.5	11.1
Kelantan	281.9	2.2	173.6	95.0	11.1
Melaka	12.8	0.1	10.2	2.4	0.0
Negeri Sembilan	90.7	2.2	62.0	21.1	5.4
Pahang	248.1	6.0	165.5	68.3	8.2
Pulau Pinang	25.8	0.1	21.9	3.4	0.4
Perak	193.1	4.0	138.0	45.7	5.3
Perlis	31.3	1.1	19.2	10.4	0.6
Selangor	141.6	2.4	110.2	26.7	2.4
Terengganu	130.4	2.0	87.9	35.5	5.1
Sabah	695.9	8.5	501.5	141.6	44.3
Sarawak	437.3	3.9	268.9	103.4	61.1
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	4.9	0.1	4.0	0.7	0.1
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.7	12.7	13.5	8.4	3.5
Kedah	7.8	5.8	7.1	9.9	6.9
Kelantan	9.9	5.6	8.8	14.0	6.9
Melaka	0.5	0.4	0.5	0.4	0.0
Negeri Sembilan	3.2	5.5	3.2	3.1	3.3
Pahang	8.7	15.0	8.4	10.1	5.1
Pulau Pinang	0.9	0.3	1.1	0.5	0.3
Perak	6.8	10.0	7.0	6.7	3.3
Perlis	1.1	2.7	1.0	1.5	0.4
Selangor	5.0	6.0	5.6	3.9	1.5
Terengganu	4.6	4.9	4.5	5.2	3.2
Sabah	24.4	21.1	25.5	20.9	27.6
Sarawak	15.4	9.7	13.7	15.2	38.0
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.2	0.3	0.2	0.1	0.0
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B4.14: **Penduduk bekerja mengikut negeri dan pencapaian pendidikan, Malaysia, 2022**
Table B4.14: *Employed persons by state and educational attainment, Malaysia, 2022*

Negeri *State*	Jumlah *Total*	Tiada pendidikan rasmi *No formal education*	Rendah *Primary*	Menengah *Secondary*	Tertiari *Tertiary*
Jumlah ('000) *Total*	**15,391.7**	**378.5**	**1,289.6**	**8,408.4**	**5,315.3**
Johor	1,819.5	21.2	129.7	1,193.7	474.9
Kedah	964.8	15.1	61.1	593.8	294.8
Kelantan	713.8	22.7	45.3	408.8	237.0
Melaka	447.7	2.9	17.4	265.8	161.5
Negeri Sembilan	473.7	4.4	26.2	267.7	175.4
Pahang	715.9	10.2	57.6	459.6	188.4
Pulau Pinang	873.9	7.8	47.0	516.9	302.2
Perak	1,066.8	9.1	87.0	654.1	316.6
Perlis	109.5	1.5	6.1	62.2	39.6
Selangor	3,597.6	28.7	145.5	1,663.7	1,759.7
Terengganu	480.2	11.5	35.4	271.9	161.3
Sabah	1,875.8	197.2	439.4	852.7	386.6
Sarawak	1,312.5	39.2	159.7	807.6	306.0
W.P. Kuala Lumpur	857.5	5.1	28.0	355.3	469.1
W.P. Labuan	45.0	1.8	2.9	21.7	18.6
W.P. Putrajaya	37.5	0.0	1.1	12.9	23.5
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.8	5.6	10.1	14.2	8.9
Kedah	6.3	4.0	4.7	7.1	5.5
Kelantan	4.6	6.0	3.5	4.9	4.5
Melaka	2.9	0.8	1.3	3.2	3.0
Negeri Sembilan	3.1	1.2	2.0	3.2	3.3
Pahang	4.7	2.7	4.5	5.5	3.5
Pulau Pinang	5.7	2.1	3.6	6.1	5.7
Perak	6.9	2.4	6.7	7.8	6.0
Perlis	0.7	0.4	0.5	0.7	0.7
Selangor	23.4	7.6	11.3	19.8	33.1
Terengganu	3.1	3.0	2.7	3.2	3.0
Sabah	12.2	52.1	34.1	10.1	7.3
Sarawak	8.5	10.4	12.4	9.6	5.8
W.P. Kuala Lumpur	5.6	1.3	2.2	4.2	8.8
W.P. Labuan	0.3	0.5	0.2	0.3	0.3
W.P. Putrajaya	0.2	0.0	0.1	0.2	0.4

Jadual B4.15: **Penduduk bekerja mengikut negeri, pencapaian pendidikan dan jantina, Malaysia, 2022**
Table B4.15: *Employed persons by state, educational attainment and sex, Malaysia, 2022*

Lelaki/*Male*					
Negeri *State*	**Jumlah** *Total*	**Tiada pendidikan rasmi** *No formal education*	**Rendah** *Primary*	**Menengah** *Secondary*	**Tertiari** *Tertiary*
Jumlah ('000) *Total*	**9,405.5**	**264.9**	**897.0**	**5,391.8**	**2,851.7**
Johor	1,217.2	15.4	102.6	826.8	272.4
Kedah	613.4	11.5	45.3	410.5	146.0
Kelantan	452.1	15.6	31.3	282.7	122.6
Melaka	258.5	2.3	11.2	163.3	81.7
Negeri Sembilan	296.8	3.2	19.4	180.9	93.3
Pahang	469.0	6.9	41.4	322.0	98.8
Pulau Pinang	521.6	6.4	24.1	321.8	169.2
Perak	661.4	6.7	67.0	427.4	160.4
Perlis	68.9	0.8	4.3	43.9	19.9
Selangor	2,001.4	23.2	98.0	923.4	956.7
Terengganu	313.6	8.8	27.2	189.6	87.9
Sabah	1,169.9	137.6	286.8	540.6	204.9
Sarawak	830.9	21.4	114.3	533.1	162.1
W.P. Kuala Lumpur	486.5	3.7	20.7	205.7	256.4
W.P. Labuan	27.5	1.4	2.3	14.5	9.3
W.P. Putrajaya	16.9	0.0	1.1	5.8	10.0
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	12.9	5.8	11.4	15.3	9.6
Kedah	6.5	4.4	5.1	7.6	5.1
Kelantan	4.8	5.9	3.5	5.2	4.3
Melaka	2.7	0.9	1.3	3.0	2.9
Negeri Sembilan	3.2	1.2	2.2	3.4	3.3
Pahang	5.0	2.6	4.6	6.0	3.5
Pulau Pinang	5.5	2.4	2.7	6.0	5.9
Perak	7.0	2.5	7.5	7.9	5.6
Perlis	0.7	0.3	0.5	0.8	0.7
Selangor	21.3	8.8	10.9	17.1	33.5
Terengganu	3.3	3.3	3.0	3.5	3.1
Sabah	12.4	51.9	32.0	10.0	7.2
Sarawak	8.8	8.1	12.7	9.9	5.7
W.P. Kuala Lumpur	5.2	1.4	2.3	3.8	9.0
W.P. Labuan	0.3	0.5	0.3	0.3	0.3
W.P. Putrajaya	0.2	0.0	0.1	0.1	0.4

Jadual B4.15: **Penduduk bekerja mengikut negeri, pencapaian pendidikan dan jantina, Malaysia, 2022 (samb.)**
Table B4.15: *Employed persons by state, educational attainment and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*					
Negeri *State*	**Jumlah** *Total*	**Tiada pendidikan rasmi** *No formal education*	**Rendah** *Primary*	**Menengah** *Secondary*	**Tertiari** *Tertiary*
Jumlah ('000) *Total*	**5,986.2**	**113.6**	**392.5**	**3,016.5**	**2,463.6**
Johor	602.3	5.8	27.1	367.0	202.5
Kedah	351.5	3.6	15.8	183.4	148.8
Kelantan	261.7	7.2	14.0	126.1	114.4
Melaka	189.2	0.6	6.2	102.6	79.8
Negeri Sembilan	176.9	1.2	6.8	86.8	82.1
Pahang	246.9	3.3	16.3	137.7	89.6
Pulau Pinang	352.4	1.4	22.9	195.1	133.0
Perak	405.4	2.4	20.0	226.7	156.3
Perlis	40.6	0.7	1.8	18.3	19.8
Selangor	1,596.2	5.5	47.5	740.3	803.0
Terengganu	166.7	2.7	8.2	82.4	73.4
Sabah	705.9	59.6	152.6	312.1	181.7
Sarawak	481.7	17.8	45.5	274.5	143.9
W.P. Kuala Lumpur	371.0	1.4	7.2	149.6	212.7
W.P. Labuan	17.5	0.4	0.6	7.2	9.3
W.P. Putrajaya	20.6	0.0	0.0	7.1	13.5
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	10.1	5.1	6.9	12.2	8.2
Kedah	5.9	3.2	4.0	6.1	6.0
Kelantan	4.4	6.3	3.6	4.2	4.6
Melaka	3.2	0.5	1.6	3.4	3.2
Negeri Sembilan	3.0	1.0	1.7	2.9	3.3
Pahang	4.1	2.9	4.1	4.6	3.6
Pulau Pinang	5.9	1.2	5.8	6.5	5.4
Perak	6.8	2.1	5.1	7.5	6.3
Perlis	0.7	0.6	0.5	0.6	0.8
Selangor	26.7	4.8	12.1	24.5	32.6
Terengganu	2.8	2.4	2.1	2.7	3.0
Sabah	11.8	52.5	38.9	10.3	7.4
Sarawak	8.0	15.7	11.6	9.1	5.8
W.P. Kuala Lumpur	6.2	1.2	1.8	5.0	8.6
W.P. Labuan	0.3	0.4	0.2	0.2	0.4
W.P. Putrajaya	0.3	0.0	0.0	0.2	0.5

Jadual B4.16: **Penduduk bekerja mengikut negeri, pencapaian pendidikan dan strata, Malaysia, 2022**
Table B4.16: *Employed persons by state, educational attainment and strata, Malaysia, 2022*

Bandar/*Urban*					
Negeri *State*	**Jumlah** *Total*	**Tiada pendidikan rasmi** *No formal education*	**Rendah** *Primary*	**Menengah** *Secondary*	**Tertiari** *Tertiary*
Jumlah ('000) *Total*	**12,543.7**	**233.6**	**740.9**	**6,780.7**	**4,788.5**
Johor	1,486.4	17.3	95.0	965.6	408.5
Kedah	743.8	11.9	35.6	447.8	248.5
Kelantan	431.9	9.9	17.8	244.1	160.1
Melaka	434.8	2.6	16.5	257.8	157.9
Negeri Sembilan	383.0	2.4	15.8	213.3	151.5
Pahang	467.8	5.2	21.5	295.8	145.3
Pulau Pinang	848.1	7.8	45.3	499.6	295.4
Perak	873.8	5.9	49.5	538.1	280.3
Perlis	78.1	1.0	3.1	40.9	33.1
Selangor	3,456.0	27.5	134.9	1,577.9	1,715.6
Terengganu	349.8	8.4	20.3	193.2	127.9
Sabah	1,179.9	116.1	195.3	558.7	309.8
Sarawak	875.2	11.1	58.6	560.0	245.5
W.P. Kuala Lumpur	857.5	5.1	28.0	355.3	469.1
W.P. Labuan	40.1	1.6	2.4	19.6	16.5
W.P. Putrajaya	37.5	0.0	1.1	12.9	23.5
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.8	7.4	12.8	14.2	8.5
Kedah	5.9	5.1	4.8	6.6	5.2
Kelantan	3.4	4.2	2.4	3.6	3.3
Melaka	3.5	1.1	2.2	3.8	3.3
Negeri Sembilan	3.1	1.0	2.1	3.1	3.2
Pahang	3.7	2.2	2.9	4.4	3.0
Pulau Pinang	6.8	3.3	6.1	7.4	6.2
Perak	7.0	2.5	6.7	7.9	5.9
Perlis	0.6	0.4	0.4	0.6	0.7
Selangor	27.6	11.8	18.2	23.3	35.8
Terengganu	2.8	3.6	2.7	2.8	2.7
Sabah	9.4	49.7	26.4	8.2	6.5
Sarawak	7.0	4.8	7.9	8.3	5.1
W.P. Kuala Lumpur	6.8	2.2	3.8	5.2	9.8
W.P. Labuan	0.3	0.7	0.3	0.3	0.3
W.P. Putrajaya	0.3	0.0	0.1	0.2	0.5

Jadual B4.16: **Penduduk bekerja mengikut negeri, pencapaian pendidikan dan strata, Malaysia, 2022 (samb.)**
Table B4.16: *Employed persons by state, educational attainment and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*

Negeri *State*	**Jumlah** *Total*	**Tiada pendidikan rasmi** *No formal education*	**Rendah** *Primary*	**Menengah** *Secondary*	**Tertiari** *Tertiary*
Jumlah ('000) *Total*	**2,848.0**	**144.9**	**548.7**	**1,627.7**	**526.8**
Johor	333.1	3.9	34.6	228.1	66.4
Kedah	221.1	3.2	25.5	146.1	46.3
Kelantan	281.9	12.9	27.5	164.7	76.9
Melaka	12.8	0.3	0.9	8.0	3.6
Negeri Sembilan	90.7	2.1	10.4	54.3	23.9
Pahang	248.1	5.0	36.1	163.8	43.1
Pulau Pinang	25.8	0.0	1.7	17.3	6.8
Perak	193.1	3.2	37.5	115.9	36.4
Perlis	31.3	0.5	3.0	21.3	6.5
Selangor	141.6	1.2	10.6	85.8	44.1
Terengganu	130.4	3.2	15.1	78.7	33.4
Sabah	695.9	81.1	244.1	294.0	76.8
Sarawak	437.3	28.1	101.1	247.5	60.5
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	4.9	0.2	0.5	2.1	2.1
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.7	2.7	6.3	14.0	12.6
Kedah	7.8	2.2	4.7	9.0	8.8
Kelantan	9.9	8.9	5.0	10.1	14.6
Melaka	0.5	0.2	0.2	0.5	0.7
Negeri Sembilan	3.2	1.4	1.9	3.3	4.5
Pahang	8.7	3.5	6.6	10.1	8.2
Pulau Pinang	0.9	0.0	0.3	1.1	1.3
Perak	6.8	2.2	6.8	7.1	6.9
Perlis	1.1	0.4	0.5	1.3	1.2
Selangor	5.0	0.8	1.9	5.3	8.4
Terengganu	4.6	2.2	2.8	4.8	6.3
Sabah	24.4	56.0	44.5	18.1	14.6
Sarawak	15.4	19.4	18.4	15.2	11.5
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.2	0.1	0.1	0.1	0.4
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B4.17: **Penduduk bekerja mengikut negeri dan sijil tertinggi diperoleh, Malaysia, 2022**
Table B4.17: *Employed persons by state and highest certificate obtained, Malaysia, 2022*

Negeri *State*	**Jumlah** *Total*	**UPSR/ UPSRA atau yang setaraf UPSR/** *UPSRA or equivalent*	**PT3/PMR/ SRP/LCE/ SRA atau yang setaraf** *PT3/PMR/ SRP/LCE/ SRA or equivalent*	**SPM atau yang setaraf** *SPM or equivalent*	**STPM atau yang setaraf** *STPM or equivalent*	**Sijil** *Certificate*	**Diploma**	**Ijazah** *Degree*	**Tiada sijil** *No certificate*	**Tidak berkenaan** *Not applicable*
Jumlah ('000) *Total*	**15,391.7**	**1,153.4**	**1,315.5**	**6,903.8**	**515.6**	**393.9**	**1,736.1**	**2,539.4**	**457.6**	**376.4**
Johor	1,819.5	137.6	191.7	994.3	49.3	38.3	159.3	200.9	28.0	20.1
Kedah	964.8	60.4	103.4	481.3	35.4	28.6	100.1	125.3	15.2	15.1
Kelantan	713.8	41.7	65.7	333.8	40.8	20.6	67.6	102.1	18.9	22.7
Melaka	447.7	22.8	37.9	224.6	11.3	16.6	59.2	69.6	3.0	2.9
Negeri Sembilan	473.7	27.1	48.1	214.6	12.4	13.3	64.9	81.2	7.8	4.4
Pahang	715.9	62.2	69.4	374.0	21.3	24.1	66.2	75.0	13.6	10.1
Pulau Pinang	873.9	46.6	79.9	424.1	23.9	20.9	91.9	161.0	17.8	7.8
Perak	1,066.8	70.5	105.1	533.7	29.6	35.2	109.3	137.8	36.5	9.1
Perlis	109.5	6.1	9.9	51.3	4.3	4.5	15.0	14.8	2.2	1.5
Selangor	3,597.6	166.6	173.9	1,469.4	113.9	110.0	590.4	907.1	37.7	28.5
Terengganu	480.2	24.8	41.5	225.0	16.7	24.6	55.5	62.2	18.4	11.4
Sabah	1,875.8	307.2	176.3	619.5	80.9	18.7	114.0	164.6	197.8	196.7
Sarawak	1,312.5	157.5	169.3	607.1	53.7	19.5	91.4	134.2	40.7	39.1
W.P. Kuala Lumpur	857.5	19.7	38.3	321.4	17.0	16.1	135.3	286.8	17.7	5.1
W.P. Labuan	45.0	2.2	3.5	17.9	2.9	2.0	6.7	6.7	1.3	1.8
W.P. Putrajaya	37.5	0.5	1.6	11.8	2.3	0.8	9.4	10.1	1.1	-
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.8	11.9	14.6	14.4	9.6	9.7	9.2	7.9	6.1	5.3
Kedah	6.3	5.2	7.9	7.0	6.9	7.3	5.8	4.9	3.3	4.0
Kelantan	4.6	3.6	5.0	4.8	7.9	5.2	3.9	4.0	4.1	6.0
Melaka	2.9	2.0	2.9	3.3	2.2	4.2	3.4	2.7	0.6	0.8
Negeri Sembilan	3.1	2.3	3.7	3.1	2.4	3.4	3.7	3.2	1.7	1.2
Pahang	4.7	5.4	5.3	5.4	4.1	6.1	3.8	3.0	3.0	2.7
Pulau Pinang	5.7	4.0	6.1	6.1	4.6	5.3	5.3	6.3	3.9	2.1
Perak	6.9	6.1	8.0	7.7	5.7	8.9	6.3	5.4	8.0	2.4
Perlis	0.7	0.5	0.7	0.7	0.8	1.1	0.9	0.6	0.5	0.4
Selangor	23.4	14.4	13.2	21.3	22.1	27.9	34.0	35.7	8.2	7.6
Terengganu	3.1	2.2	3.2	3.3	3.2	6.3	3.2	2.5	4.0	3.0
Sabah	12.2	26.6	13.4	9.0	15.7	4.7	6.6	6.5	43.2	52.3
Sarawak	8.5	13.7	12.9	8.8	10.4	4.9	5.3	5.3	8.9	10.4
W.P. Kuala Lumpur	5.6	1.7	2.9	4.7	3.3	4.1	7.8	11.3	3.9	1.4
W.P. Labuan	0.3	0.2	0.3	0.3	0.6	0.5	0.4	0.3	0.3	0.5
W.P. Putrajaya	0.2	0.0	0.1	0.2	0.4	0.2	0.5	0.4	0.2	-

Jadual B4.18: **Penduduk bekerja mengikut negeri, sijil tertinggi diperoleh dan jantina, Malaysia, 2022**
Table B4.18: *Employed persons by state, highest certificate obtained and sex, Malaysia, 2022*

Lelaki/*Male*

Negeri *State*	**Jumlah** *Total*	**UPSR/ UPSRA atau yang setaraf UPSR/** *UPSRA or equivalent*	**PT3/PMR/ SRP/LCE/ SRA atau yang setaraf** *PT3/PMR/ SRP/LCE/ SRA or equivalent*	**SPM atau yang setaraf** *SPM or equivalent*	**STPM atau yang setaraf** *STPM or equivalent*	**Sijil** *Certificate*	**Diploma**	**Ijazah** *Degree*	**Tiada sijil** *No certificate*	**Tidak berkenaan** *Not applicable*
Jumlah ('000) *Total*	**9,405.5**	**808.2**	**921.4**	**4,299.4**	**274.9**	**286.6**	**929.6**	**1,314.5**	**307.4**	**263.4**
Johor	1,217.2	108.6	149.8	658.3	29.8	30.0	89.3	113.5	23.5	14.4
Kedah	613.4	45.2	78.9	323.5	16.8	20.9	51.3	55.4	9.8	11.5
Kelantan	452.1	31.1	50.8	225.2	24.7	16.9	34.8	40.5	12.6	15.6
Melaka	258.5	16.4	27.9	133.0	6.1	11.6	28.4	31.3	1.7	2.3
Negeri Sembilan	296.8	21.4	32.5	142.3	5.5	10.2	37.1	39.2	5.4	3.2
Pahang	469.0	47.7	53.0	253.8	10.2	18.7	34.8	35.1	8.8	6.9
Pulau Pinang	521.6	30.6	56.6	254.8	12.3	14.4	53.8	85.5	7.2	6.4
Perak	661.4	53.6	77.8	336.0	14.6	24.5	54.2	65.5	28.5	6.7
Perlis	68.9	4.6	8.0	34.4	1.7	3.8	7.8	6.1	1.6	0.8
Selangor	2,001.4	93.1	91.5	812.9	57.0	74.9	327.6	493.5	27.9	23.0
Terengganu	313.6	18.7	30.4	155.1	6.3	19.7	32.6	28.1	13.9	8.7
Sabah	1,169.9	205.9	116.8	386.8	50.0	11.6	61.1	77.9	122.4	137.5
Sarawak	830.9	115.1	120.4	388.5	27.4	14.9	48.6	66.4	28.2	21.3
W.P. Kuala Lumpur	486.5	14.5	24.2	177.4	10.6	12.7	60.3	169.0	14.0	3.7
W.P. Labuan	27.5	1.8	2.7	11.4	1.0	1.4	3.9	2.9	1.0	1.4
W.P. Putrajaya	16.9	0.0	0.2	5.8	0.7	0.6	4.0	4.5	1.1	-
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	12.9	13.4	16.3	15.3	10.9	10.5	9.6	8.6	7.6	5.5
Kedah	6.5	5.6	8.6	7.5	6.1	7.3	5.5	4.2	3.2	4.4
Kelantan	4.8	3.8	5.5	5.2	9.0	5.9	3.7	3.1	4.1	5.9
Melaka	2.7	2.0	3.0	3.1	2.2	4.0	3.1	2.4	0.5	0.9
Negeri Sembilan	3.2	2.6	3.5	3.3	2.0	3.6	4.0	3.0	1.7	1.2
Pahang	5.0	5.9	5.8	5.9	3.7	6.5	3.7	2.7	2.9	2.6
Pulau Pinang	5.5	3.8	6.1	5.9	4.5	5.0	5.8	6.5	2.3	2.4
Perak	7.0	6.6	8.4	7.8	5.3	8.5	5.8	5.0	9.3	2.6
Perlis	0.7	0.6	0.9	0.8	0.6	1.3	0.8	0.5	0.5	0.3
Selangor	21.3	11.5	9.9	18.9	20.7	26.1	35.2	37.5	9.1	8.7
Terengganu	3.3	2.3	3.3	3.6	2.3	6.9	3.5	2.1	4.5	3.3
Sabah	12.4	25.5	12.7	9.0	18.2	4.0	6.6	5.9	39.8	52.2
Sarawak	8.8	14.2	13.1	9.0	10.0	5.2	5.2	5.1	9.2	8.1
W.P. Kuala Lumpur	5.2	1.8	2.6	4.1	3.9	4.4	6.5	12.9	4.6	1.4
W.P. Labuan	0.3	0.2	0.3	0.3	0.4	0.5	0.4	0.2	0.3	0.5
W.P. Putrajaya	0.2	0.0	0.0	0.1	0.2	0.2	0.4	0.3	0.4	-

Jadual B4.18: **Penduduk bekerja mengikut negeri, sijil tertinggi diperoleh dan jantina, Malaysia, 2022 (samb.)**
Table B4.18: *Employed persons by state, highest certificate obtained and sex, Malaysia, 2022 (cont'd)*

Perempuan/*Female*										
Negeri *State*	**Jumlah** *Total*	**UPSR/ UPSRA atau yang setaraf UPSR/** *UPSRA or equivalent*	**PT3/PMR/ SRP/LCE/ SRA atau yang setaraf** *PT3/PMR/ SRP/LCE/ SRA or equivalent*	**SPM atau yang setaraf** *SPM or equivalent*	**STPM atau yang setaraf** *STPM or equivalent*	**Sijil** *Certificate*	**Diploma**	**Ijazah** *Degree*	**Tiada sijil** *No certificate*	**Tidak berkenaan** *Not applicable*
Jumlah ('000) *Total*	**5,986.2**	**345.2**	**394.1**	**2,604.4**	**240.7**	**107.3**	**806.5**	**1,224.9**	**150.2**	**113.0**
Johor	602.3	29.0	42.0	336.0	19.5	8.4	70.0	87.3	4.5	5.7
Kedah	351.5	15.2	24.5	157.8	18.6	7.7	48.8	69.9	5.4	3.6
Kelantan	261.7	10.6	14.9	108.6	16.0	3.7	32.8	61.6	6.3	7.2
Melaka	189.2	6.4	10.0	91.6	5.2	5.0	30.8	38.3	1.3	0.6
Negeri Sembilan	176.9	5.7	15.6	72.3	6.9	3.1	27.8	42.0	2.4	1.2
Pahang	246.9	14.5	16.4	120.2	11.0	5.5	31.4	39.9	4.8	3.2
Pulau Pinang	352.4	16.0	23.3	169.3	11.6	6.5	38.1	75.5	10.6	1.4
Perak	405.4	16.9	27.4	197.7	15.0	10.7	55.1	72.3	8.0	2.4
Perlis	40.6	1.5	1.8	16.9	2.6	0.7	7.2	8.7	0.6	0.7
Selangor	1,596.2	73.5	82.5	656.5	56.9	35.2	262.8	413.5	9.8	5.5
Terengganu	166.7	6.1	11.1	70.0	10.4	5.0	22.9	34.2	4.5	2.6
Sabah	705.9	101.3	59.5	232.7	30.9	7.1	52.9	86.7	75.5	59.3
Sarawak	481.7	42.4	48.9	218.6	26.3	4.6	42.8	67.8	12.5	17.8
W.P. Kuala Lumpur	371.0	5.2	14.1	144.0	6.4	3.5	74.9	117.8	3.7	1.4
W.P. Labuan	17.5	0.4	0.8	6.5	1.9	0.5	2.8	3.8	0.3	0.4
W.P. Putrajaya	20.6	0.5	1.4	5.9	1.6	0.2	5.4	5.6	-	-
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	10.1	8.4	10.6	12.9	8.1	7.8	8.7	7.1	3.0	5.1
Kedah	5.9	4.4	6.2	6.1	7.7	7.1	6.1	5.7	3.6	3.2
Kelantan	4.4	3.1	3.8	4.2	6.7	3.5	4.1	5.0	4.2	6.3
Melaka	3.2	1.9	2.5	3.5	2.2	4.7	3.8	3.1	0.8	0.5
Negeri Sembilan	3.0	1.6	4.0	2.8	2.8	2.8	3.4	3.4	1.6	1.0
Pahang	4.1	4.2	4.2	4.6	4.6	5.1	3.9	3.3	3.2	2.8
Pulau Pinang	5.9	4.6	5.9	6.5	4.8	6.1	4.7	6.2	7.1	1.2
Perak	6.8	4.9	6.9	7.6	6.2	10.0	6.8	5.9	5.3	2.1
Perlis	0.7	0.4	0.5	0.6	1.1	0.6	0.9	0.7	0.4	0.6
Selangor	26.7	21.3	20.9	25.2	23.6	32.8	32.6	33.8	6.5	4.8
Terengganu	2.8	1.8	2.8	2.7	4.3	4.6	2.8	2.8	3.0	2.3
Sabah	11.8	29.4	15.1	8.9	12.9	6.6	6.6	7.1	50.3	52.5
Sarawak	8.0	12.3	12.4	8.4	10.9	4.3	5.3	5.5	8.3	15.8
W.P. Kuala Lumpur	6.2	1.5	3.6	5.5	2.6	3.2	9.3	9.6	2.5	1.3
W.P. Labuan	0.3	0.1	0.2	0.2	0.8	0.5	0.3	0.3	0.2	0.4
W.P. Putrajaya	0.3	0.1	0.3	0.2	0.7	0.2	0.7	0.5	-	-

Jadual B4.19: **Penduduk bekerja mengikut negeri, sijil tertinggi diperoleh dan strata, Malaysia, 2022**
Table B4.19: Employed persons by state, highest certificate obtained and strata, Malaysia, 2022

Bandar/*Urban*										
Negeri *State*	**Jumlah** *Total*	**UPSR/ UPSRA atau yang setaraf UPSR/** *UPSRA or equivalent*	**PT3/PMR/ SRP/LCE/ SRA atau yang setaraf** *PT3/PMR/ SRP/LCE/ SRA or equivalent*	**SPM atau yang setaraf** *SPM or equivalent*	**STPM atau yang setaraf** *STPM or equivalent*	**Sijil** *Certificate*	**Diploma**	**Ijazah** *Degree*	**Tiada sijil** *No certificate*	**Tidak berkenaan** *Not applicable*
Jumlah ('000) *Total*	**12,543.7**	**709.9**	**934.3**	**5,724.3**	**425.5**	**337.6**	**1,564.3**	**2,350.6**	**264.9**	**232.2**
Johor	1,486.4	105.4	142.7	817.8	38.0	30.6	135.4	182.1	18.2	16.3
Kedah	743.8	35.7	70.5	371.2	28.4	22.9	84.8	107.8	10.5	11.9
Kelantan	431.9	17.6	31.9	206.6	25.0	13.8	47.4	71.5	8.2	9.9
Melaka	434.8	21.6	35.9	218.8	10.9	16.1	57.6	68.5	2.9	2.6
Negeri Sembilan	383.0	18.5	36.6	173.2	10.5	10.2	54.4	72.8	4.6	2.4
Pahang	467.8	29.7	33.2	250.5	14.8	19.2	52.1	58.5	4.5	5.2
Pulau Pinang	848.1	45.3	77.7	409.3	23.1	19.9	89.3	158.8	17.1	7.8
Perak	873.8	47.3	78.0	447.7	25.3	27.8	99.0	125.0	17.6	5.9
Perlis	78.1	3.8	5.6	34.7	3.5	3.4	12.6	12.5	0.9	1.0
Selangor	3,456.0	155.8	157.9	1,400.6	109.9	107.1	573.1	890.7	33.6	27.3
Terengganu	349.8	16.1	26.8	162.9	12.4	19.7	43.9	50.0	9.7	8.2
Sabah	1,179.9	125.5	97.9	432.1	60.3	13.8	91.3	138.7	104.2	116.1
Sarawak	875.2	65.4	96.6	449.3	41.4	14.6	73.0	110.9	13.0	11.1
W.P. Kuala Lumpur	857.5	19.7	38.3	321.4	17.0	16.1	135.3	286.8	17.7	5.1
W.P. Labuan	40.1	1.9	3.1	16.3	2.8	1.7	5.7	6.0	1.0	1.6
W.P. Putrajaya	37.5	0.5	1.6	11.8	2.3	0.8	9.4	10.1	1.1	-
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.8	14.8	15.3	14.3	8.9	9.1	8.7	7.7	6.9	7.0
Kedah	5.9	5.0	7.6	6.5	6.7	6.8	5.4	4.6	4.0	5.1
Kelantan	3.4	2.5	3.4	3.6	5.9	4.1	3.0	3.0	3.1	4.2
Melaka	3.5	3.0	3.8	3.8	2.6	4.8	3.7	2.9	1.1	1.1
Negeri Sembilan	3.1	2.6	3.9	3.0	2.5	3.0	3.5	3.1	1.7	1.0
Pahang	3.7	4.2	3.5	4.4	3.5	5.7	3.3	2.5	1.7	2.3
Pulau Pinang	6.8	6.4	8.3	7.1	5.4	5.9	5.7	6.8	6.4	3.3
Perak	7.0	6.7	8.3	7.8	5.9	8.2	6.3	5.3	6.7	2.5
Perlis	0.6	0.5	0.6	0.6	0.8	1.0	0.8	0.5	0.4	0.4
Selangor	27.6	21.9	16.9	24.5	25.8	31.7	36.6	37.9	12.7	11.7
Terengganu	2.8	2.3	2.9	2.8	2.9	5.8	2.8	2.1	3.7	3.5
Sabah	9.4	17.7	10.5	7.5	14.2	4.1	5.8	5.9	39.3	50.0
Sarawak	7.0	9.2	10.3	7.8	9.7	4.3	4.7	4.7	4.9	4.8
W.P. Kuala Lumpur	6.8	2.8	4.1	5.6	4.0	4.8	8.6	12.2	6.7	2.2
W.P. Labuan	0.3	0.3	0.3	0.3	0.6	0.5	0.4	0.3	0.4	0.7
W.P. Putrajaya	0.3	0.1	0.2	0.2	0.5	0.2	0.6	0.4	0.4	-

Jadual B4.19: **Penduduk bekerja mengikut negeri, sijil tertinggi diperoleh dan strata, Malaysia, 2022 (samb.)**
Table B4.19: *Employed persons by state, highest certificate obtained and strata, Malaysia, 2022 (cont'd)*

Luar bandar/*Rural*										
Negeri *State*	**Jumlah** *Total*	**UPSR/ UPSRA atau yang setaraf UPSR/** *UPSRA or equivalent*	**PT3/PMR/ SRP/LCE/ SRA atau yang setaraf** *PT3/PMR/ SRP/LCE/ SRA or equivalent*	**SPM atau yang setaraf** *SPM or equivalent*	**STPM atau yang setaraf** *STPM or equivalent*	**Sijil** *Certificate*	**Diploma**	**Ijazah** *Degree*	**Tiada sijil** *No certificate*	**Tidak berkenaan** *Not applicable*
Jumlah ('000) *Total*	**2,848.0**	**443.5**	**381.2**	**1,179.5**	**90.1**	**56.3**	**171.8**	**188.8**	**192.7**	**144.2**
Johor	333.1	32.1	49.0	176.5	11.3	7.8	23.9	18.8	9.8	3.8
Kedah	221.1	24.8	32.8	110.0	6.9	5.7	15.3	17.6	4.8	3.2
Kelantan	281.9	24.1	33.8	127.2	15.8	6.8	20.1	30.6	10.6	12.9
Melaka	12.8	1.1	1.9	5.9	0.4	0.5	1.6	1.1	0.1	0.3
Negeri Sembilan	90.7	8.6	11.6	41.4	1.9	3.1	10.5	8.4	3.2	2.1
Pahang	248.1	32.5	36.2	123.5	6.4	5.0	14.1	16.5	9.0	4.9
Pulau Pinang	25.8	1.3	2.2	14.8	0.8	1.1	2.6	2.3	0.7	0.0
Perak	193.1	23.1	27.1	86.0	4.3	7.4	10.3	12.8	18.8	3.2
Perlis	31.3	2.3	4.2	16.6	0.8	1.1	2.3	2.2	1.3	0.5
Selangor	141.6	10.8	16.1	68.8	4.0	2.9	17.3	16.4	4.1	1.2
Terengganu	130.4	8.7	14.7	62.1	4.3	5.0	11.6	12.2	8.7	3.2
Sabah	695.9	181.7	78.4	187.4	20.6	4.9	22.7	25.9	93.6	80.7
Sarawak	437.3	92.1	72.7	157.8	12.3	4.9	18.4	23.3	27.6	28.1
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	4.9	0.3	0.4	1.6	0.1	0.3	0.9	0.7	0.3	0.2
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) *Total*	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Johor	11.7	7.2	12.9	15.0	12.6	13.8	13.9	10.0	5.1	2.6
Kedah	7.8	5.6	8.6	9.3	7.7	10.1	8.9	9.3	2.5	2.2
Kelantan	9.9	5.4	8.9	10.8	17.6	12.1	11.7	16.2	5.5	8.9
Melaka	0.5	0.3	0.5	0.5	0.4	0.9	0.9	0.6	0.0	0.2
Negeri Sembilan	3.2	1.9	3.0	3.5	2.1	5.5	6.1	4.5	1.7	1.4
Pahang	8.7	7.3	9.5	10.5	7.2	8.8	8.2	8.7	4.7	3.4
Pulau Pinang	0.9	0.3	0.6	1.3	0.8	1.9	1.5	1.2	0.4	0.0
Perak	6.8	5.2	7.1	7.3	4.8	13.1	6.0	6.8	9.8	2.2
Perlis	1.1	0.5	1.1	1.4	0.9	1.9	1.4	1.2	0.7	0.4
Selangor	5.0	2.4	4.2	5.8	4.4	5.2	10.1	8.7	2.1	0.8
Terengganu	4.6	2.0	3.9	5.3	4.8	8.8	6.8	6.5	4.5	2.2
Sabah	24.4	41.0	20.6	15.9	22.9	8.7	13.2	13.7	48.6	56.0
Sarawak	15.4	20.8	19.1	13.4	13.7	8.6	10.7	12.4	14.4	19.5
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.2	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.1	0.1
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual C1.1: Perangkaan utama tenaga buruh mengikut jantina, Malaysia, 1982–2022
Table C1.1: Principal statistics of labour force by sex, Malaysia, 1982–2022

Tahun[1] Year	Kadar penyertaan tenaga buruh *Labour force participation rate* (%)			Tenaga buruh *Labour force* ('000)			Bekerja *Employed* ('000)			Penganggur *Unemployed* ('000)			Kadar pengangguran *Unemployment rate* (%)		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
1982	64.8	85.3	44.5	5,431.4	3,562.3	1,869.1	5,249.0	3,465.3	1,783.7	182.4	97.0	85.4	3.4	2.7	4.6
1983	65.6	85.6	45.7	5,671.8	3,693.1	1,978.8	5,457.0	3,570.4	1,886.5	214.9	122.6	92.2	3.8	3.3	4.7
1984	65.3	85.4	45.2	5,862.5	3,832.2	2,030.3	5,566.7	3,662.6	1,904.1	295.8	169.6	126.2	5.0	4.4	6.2
1985	65.7	85.6	45.9	5,990.1	3,896.7	2,093.5	5,653.4	3,700.5	1,952.8	336.8	196.1	140.6	5.6	5.0	6.7
1986	66.1	85.8	46.4	6,222.1	4,037.7	2,184.3	5,760.1	3,753.5	2,006.6	461.9	284.2	177.7	7.4	7.0	8.1
1987	66.5	85.6	47.5	6,456.8	4,151.3	2,305.5	5,983.9	3,868.0	2,115.9	472.9	283.3	189.6	7.3	6.8	8.2
1988	66.8	85.9	47.7	6,637.0	4,268.7	2,368.4	6,157.2	3,984.0	2,173.2	479.8	284.7	195.1	7.2	6.7	8.2
1989	66.2	85.6	46.7	6,779.4	4,389.1	2,390.3	6,390.9	4,155.3	2,235.5	388.5	233.7	154.8	5.7	5.3	6.5
1990	66.5	85.3	47.8	7,000.2	4,489.8	2,510.3	6,685.0	4,310.7	2,374.3	315.2	179.1	136.1	4.5	4.0	5.4
1992	65.9	84.9	46.9	7,319.0	4,716.5	2,602.5	7,047.8	4,554.2	2,493.6	271.2	162.3	108.9	3.7	3.4	4.2
1993	66.5	86.0	46.5	7,700.1	5,043.3	2,656.9	7,383.4	4,853.8	2,529.6	316.8	189.5	127.3	4.1	3.8	4.8
1995	64.7	84.3	44.7	7,893.1	5,203.1	2,690.0	7,645.0	5,056.6	2,588.4	248.1	146.5	101.6	3.1	2.8	3.8
1996	66.3	84.9	46.8	8,616.0	5,653.9	2,962.1	8,399.3	5,514.2	2,885.0	216.8	139.6	77.1	2.5	2.5	2.6
1997	65.6	84.3	46.0	8,784.0	5,787.3	2,996.7	8,569.2	5,657.7	2,911.5	214.9	129.6	85.3	2.4	2.2	2.8
1998	64.3	83.1	44.4	8,883.6	5,904.2	2,979.4	8,599.6	5,718.9	2,880.7	284.0	185.3	98.7	3.2	3.1	3.3
1999	64.2	82.8	44.6	9,151.5	6,063.5	3,088.0	8,837.8	5,851.2	2,986.5	313.7	212.3	101.4	3.4	3.5	3.3
2000	65.4	83.0	47.2	9,556.1	6,156.2	3,399.9	9,269.2	5,973.5	3,295.7	286.9	182.7	104.2	3.0	3.0	3.1
2001	64.9	82.3	46.8	9,699.4	6,268.3	3,431.1	9,357.0	6,055.9	3,301.1	342.4	212.3	130.1	3.5	3.4	3.8
2002	64.4	81.5	46.7	9,886.2	6,352.3	3,533.9	9,542.6	6,141.8	3,400.8	343.5	210.5	133.1	3.5	3.3	3.8
2003	65.2	82.1	47.7	10,239.6	6,559.4	3,680.1	9,869.7	6,323.6	3,546.1	369.8	235.8	134.0	3.6	3.6	3.6
2004	64.4	80.9	47.2	10,346.2	6,615.1	3,731.1	9,979.5	6,390.4	3,589.1	366.6	224.7	142.0	3.5	3.4	3.8
2005	63.3	80.0	45.9	10,413.4	6,700.9	3,712.5	10,045.4	6,470.5	3,574.8	368.1	230.4	137.7	3.5	3.4	3.7
2006	63.1	79.9	45.8	10,628.9	6,843.5	3,785.4	10,275.4	6,618.6	3,656.8	353.6	224.9	128.7	3.3	3.3	3.4
2007	63.2	79.5	46.4	10,889.5	6,963.5	3,926.0	10,538.1	6,747.1	3,791.0	351.4	216.4	135.0	3.2	3.1	3.4
2008	62.6	79.0	45.7	11,028.1	7,074.6	3,953.5	10,659.6	6,851.1	3,808.5	368.5	223.5	145.0	3.3	3.2	3.7
2009	62.9	78.9	46.4	11,315.3	7,218.1	4,097.2	10,897.3	6,955.7	3,941.6	418.0	262.4	155.6	3.7	3.6	3.8
2010	63.7	79.3	46.8	12,303.9	7,955.5	4,348.4	11,899.5	7,707.8	4,191.7	404.4	247.7	156.8	3.3	3.1	3.6
2011	64.5	79.7	48.0	12,740.7	8,172.4	4,568.3	12,351.5	7,934.8	4,416.7	389.2	237.6	151.6	3.1	2.9	3.3
2012	65.6	80.5	49.5	13,221.7	8,419.0	4,802.6	12,820.5	8,169.5	4,651.0	401.2	249.6	151.6	3.0	3.0	3.2
2013	67.3	81.0	52.6	13,980.5	8,739.4	5,241.1	13,545.4	8,484.6	5,060.8	435.1	254.8	180.3	3.1	2.9	3.4
2014	67.6	80.6	53.7	14,263.6	8,823.2	5,440.4	13,852.6	8,587.5	5,265.1	411.1	235.7	175.4	2.9	2.7	3.2
2015	67.9	80.6	54.1	14,518.0	8,952.8	5,565.1	14,067.7	8,691.1	5,376.7	450.3	261.8	188.5	3.1	2.9	3.4
2016	67.7	80.2	54.3	14,667.8	9,012.1	5,655.7	14,163.7	8,729.7	5,434.0	504.1	282.4	221.7	3.4	3.1	3.9
2017	68.0	80.1	54.7	14,980.1	9,213.5	5,766.6	14,476.8	8,913.4	5,563.3	503.3	300.1	203.2	3.4	3.3	3.5
2018	68.3	80.4	55.2	15,280.3	9,330.2	5,950.1	14,776.0	9,041.8	5,734.2	504.3	288.4	215.9	3.3	3.1	3.6
2019	68.7	80.8	55.6	15,581.6	9,503.5	6,078.1	15,073.4	9,202.4	5,871.0	508.2	301.1	207.1	3.3	3.2	3.4
2020	68.4	80.6	55.3	15,667.7	9,553.5	6,114.2	14,956.7	9,128.8	5,827.9	711.0	424.7	286.3	4.5	4.4	4.7
2021	68.6	80.9	55.5	15,797.2	9,628.7	6,168.5	15,064.2	9,190.6	5,873.5	733.0	438.0	295.0	4.6	4.5	4.8
2022	69.3	81.9	55.8	16,022.1	9,779.3	6,242.7	15,391.7	9,405.5	5,986.2	630.4	373.9	256.5	3.9	3.8	4.1

Jadual C1.2: **Kadar penyertaan tenaga buruh mengikut jantina dan kumpulan umur, Malaysia, 2018–2022**
Table C1.2: *Labour force participation rate by sex and age group, Malaysia, 2018–2022*

Jantina *Sex*	**Jumlah** *Total*	**15–19**	**20–24**	**25–29**	**30–34**	**35–39**	**40–44**	**45–49**	**50–54**	**55–59**	**60–64**
Jumlah (%) *Total*											
2018	**68.3**	18.7	66.2	85.5	85.9	84.2	82.4	79.8	73.3	59.2	36.0
2019	**68.7**	21.1	68.0	85.3	85.7	84.1	82.6	79.6	73.4	58.1	34.0
2020	**68.4**	19.7	63.8	85.6	85.5	83.6	82.3	79.4	74.4	61.2	39.2
2021	**68.6**	28.9	66.7	85.7	80.7	83.3	84.1	78.2	70.1	56.7	36.0
2022	**69.3**	24.6	65.5	85.5	86.8	84.4	84.2	78.6	72.6	59.7	35.8
Lelaki *Male*											
2018	**80.4**	23.6	75.1	95.4	97.9	98.1	97.1	96.1	92.3	77.1	49.3
2019	**80.8**	26.6	76.8	94.7	97.8	98.0	97.2	96.1	92.3	77.1	46.8
2020	**80.6**	25.8	71.8	94.0	97.4	98.0	97.0	95.9	92.7	80.7	55.3
2021	**80.9**	29.1	76.8	92.4	93.6	97.0	98.1	96.7	92.7	82.0	51.7
2022	**81.9**	28.9	76.1	92.6	96.8	98.2	98.4	96.8	93.7	84.7	54.0
Perempuan *Female*											
2018	**55.2**	13.3	56.4	74.2	72.8	68.9	66.7	63.4	53.8	40.6	22.7
2019	**55.6**	15.2	58.3	74.6	72.6	68.9	66.9	63.1	54.4	38.3	21.3
2020	**55.3**	13.1	55.0	76.1	72.5	68.1	66.4	62.7	56.3	40.9	23.1
2021	**55.5**	28.7	55.5	78.2	66.8	68.7	69.2	59.2	48.0	30.7	19.4
2022	**55.8**	20.0	53.8	77.5	75.9	69.8	69.1	59.9	52.1	34.4	15.9

Jadual C1.3: **Kadar penyertaan tenaga buruh mengikut jantina dan kumpulan etnik, Malaysia, 2018–2022**
Table C1.3: *Labour force participation rate by sex and ethnic group, Malaysia, 2018–2022*

Jantina *Sex*	Jumlah *Total*	Warganegara Malaysia *Malaysian citizens*					Bukan warganegara Malaysia *Non-Malaysian citizens*
		Jumlah *Total*	Bumiputera	Cina *Chinese*	India *Indians*	Lain-lain *Others*	
Jumlah (%) *Total*							
2018	**68.3**	66.4	65.4	69.8	64.4	66.8	81.9
2019	**68.7**	66.7	65.3	70.9	65.6	66.6	83.4
2020	**68.4**	66.6	64.9	71.1	67.7	65.5	82.5
2021	**68.6**	67.0	65.8	69.9	67.4	73.2	83.0
2022	**69.3**	67.8	67.1	69.2	69.1	64.4	83.5
Lelaki *Male*							
2018	**80.4**	78.2	78.0	79.1	77.1	79.5	93.3
2019	**80.8**	79.0	78.4	80.9	78.1	78.0	91.8
2020	**80.6**	79.2	78.5	81.0	79.9	78.1	89.5
2021	**80.9**	80.0	78.9	82.5	80.2	88.9	87.8
2022	**81.9**	80.4	80.0	81.3	81.5	75.4	93.5
Perempuan *Female*							
2018	**55.2**	54.4	52.7	60.0	51.9	54.1	63.2
2019	**55.6**	54.2	52.1	60.4	53.2	55.0	69.6
2020	**55.3**	53.8	51.2	60.8	55.7	53.0	71.2
2021	**55.5**	53.7	52.6	56.6	54.7	57.3	75.1
2022	**55.8**	54.8	54.1	56.5	56.9	53.3	67.3

Jadual C1.4: **Kadar penyertaan tenaga buruh mengikut jantina dan pencapaian pendidikan, Malaysia, 2018–2022**
Table C1.4: *Labour force participation rate by sex and educational attainment, Malaysia, 2018–2022*

Jantina *Sex*	**Jumlah** *Total*	**Tiada pendidikan rasmi** *No formal education*	**Rendah** *Primary*	**Menengah** *Secondary*	**Tertiari** *Tertiary*
Jumlah (%) *Total*					
2018	**68.3**	55.8	70.7	68.3	68.8
2019	**68.7**	60.2	70.8	68.1	70.0
2020	**68.4**	58.6	69.6	65.9	74.0
2021	**68.6**	64.4	68.8	67.4	71.2
2022	**69.3**	56.1	67.8	67.5	74.1
Lelaki *Male*					
2018	**80.4**	72.1	89.3	81.8	73.8
2019	**80.8**	78.5	88.7	81.8	75.4
2020	**80.6**	75.4	88.7	80.2	79.1
2021	**80.9**	83.6	89.9	80.3	79.2
2022	**81.9**	79.4	87.8	80.8	82.6
Perempuan *Female*					
2018	**55.2**	41.8	47.8	52.4	64.3
2019	**55.6**	44.7	50.0	51.9	65.1
2020	**55.3**	44.6	47.5	49.4	69.2
2021	**55.5**	45.8	43.6	52.2	64.1
2022	**55.8**	34.3	44.7	52.1	66.2

Jadual C1.5: **Kadar penyertaan tenaga buruh mengikut jantina dan sijil tertinggi diperoleh, Malaysia, 2018–2022**
Table C1.5: *Labour force participation rate by sex and highest certificate obtained, Malaysia, 2018–2022*

Jantina *Sex*	**Jumlah** *Total*	**UPSR/UPSRA atau yang setaraf** *UPSR/ UPSRA or equivalent*	**PT3/PMR/SRP/ LCE/ SRA atau yang setaraf** *PT3/PMR/SRP/ LCE/ SRA or equivalent*	**SPM atau yang setaraf** *SPM or equivalent*	**STPM atau yang setaraf** *STPM or equivalent*	**Sijil** *Certificate*	*Diploma*	**Ijazah** *Degree*	**Tiada sijil** *No certificate*	**Tidak berkenaan** *Not applicable*
Jumlah (%) *Total*										
2018	**68.3**	63.8	51.1	70.5	52.9	87.3	80.6	89.0	67.5	55.8
2019	**68.7**	62.8	51.2	70.8	54.6	85.9	80.9	89.0	67.9	60.1
2020	**68.4**	59.4	58.3	66.4	54.3	88.2	82.2	91.1	65.4	58.8
2021	**68.6**	60.1	47.2	70.8	66.0	80.2	78.2	84.1	68.8	64.3
2022	**69.3**	57.3	45.8	72.3	48.7	86.3	83.8	89.9	68.0	56.1
Lelaki *Male*										
2018	**80.4**	79.8	65.3	83.8	62.2	92.2	86.5	92.0	87.7	72.0
2019	**80.8**	77.8	64.8	84.7	65.0	92.2	87.4	92.9	86.8	78.6
2020	**80.6**	74.9	74.7	80.1	64.5	93.4	88.6	93.3	87.4	75.4
2021	**80.9**	76.3	58.0	84.2	81.0	87.6	87.6	91.6	89.9	83.5
2022	**81.9**	73.2	59.3	86.2	66.0	91.5	90.5	94.5	86.7	79.5
Perempuan *Female*										
2018	**55.2**	42.2	33.6	56.0	46.9	76.2	75.2	86.6	45.8	41.9
2019	**55.6**	43.7	33.7	55.5	47.9	71.8	75.0	85.9	47.6	44.5
2020	**55.3**	40.0	37.1	51.4	46.3	77.7	76.2	89.2	44.4	44.4
2021	**55.5**	39.6	34.7	55.5	52.6	68.3	70.2	77.9	45.2	45.7
2022	**55.8**	38.0	29.9	57.1	37.6	75.0	77.3	85.5	47.2	34.2

Jadual C2.1: **Tenaga buruh mengikut jantina dan kumpulan umur, Malaysia, 2018-2022**
Table C2.1: *Labour force by sex and age group, Malaysia, 2018-2022*

Jantina *Sex*	Jumlah Total	15–19	20–24	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64
Jumlah ('000) *Total*											
2018	**15,280.3**	541.3	2,147.6	2,760.3	2,446.1	1,969.5	1,598.8	1,409.3	1,186.7	826.1	394.6
2019	**15,581.6**	615.1	2,195.5	2,780.1	2,478.8	2,054.1	1,622.0	1,413.8	1,201.5	832.2	388.6
2020	**15,667.7**	570.2	2,041.7	2,813.2	2,470.8	2,116.7	1,638.8	1,428.3	1,226.8	896.2	465.0
2021	**15,797.2**	829.4	2,094.4	2,789.2	2,336.7	2,156.7	1,710.1	1,410.5	1,162.4	845.6	462.1
2022	**16,022.1**	694.1	2,043.2	2,755.9	2,526.3	2,220.9	1,761.5	1,425.7	1,212.4	904.9	477.2
Lelaki *Male*											
2018	**9,330.2**	354.5	1,278.1	1,637.4	1,458.6	1,202.4	972.7	849.8	757.5	548.7	270.4
2019	**9,503.5**	401.4	1,307.2	1,642.4	1,475.0	1,247.5	986.5	854.8	757.6	563.9	267.0
2020	**9,553.5**	387.3	1,208.2	1,641.5	1,467.8	1,285.9	1,001.5	869.8	761.0	602.5	328.1
2021	**9,628.7**	432.4	1,268.1	1,593.3	1,409.4	1,292.7	1,030.2	882.1	760.4	619.6	340.4
2022	**9,779.3**	422.2	1,246.0	1,580.0	1,464.6	1,323.7	1,059.8	889.9	771.5	645.7	375.9
Perempuan *Female*											
2018	**5,950.1**	186.8	869.4	1,122.9	987.4	767.1	626.1	559.5	429.2	277.3	124.2
2019	**6,078.1**	213.7	888.2	1,137.7	1,003.8	806.5	635.5	559.0	443.8	268.3	121.6
2020	**6,114.2**	182.9	833.6	1,171.7	1,002.9	830.8	637.3	558.5	465.8	293.7	137.0
2021	**6,168.5**	397.0	826.3	1,196.0	927.3	864.0	679.8	528.4	402.0	226.1	121.7
2022	**6,242.7**	271.9	797.2	1,175.9	1,061.7	897.3	701.7	535.8	440.8	259.3	101.2
Jumlah (%) *Total*											
2018	**100.0**	3.5	14.1	18.1	16.0	12.9	10.5	9.2	7.8	5.4	2.6
2019	**100.0**	3.9	14.1	17.8	15.9	13.2	10.4	9.1	7.7	5.3	2.5
2020	**100.0**	3.6	13.0	18.0	15.8	13.5	10.5	9.1	7.8	5.7	3.0
2021	**100.0**	5.3	13.3	17.7	14.8	13.7	10.8	8.9	7.4	5.4	2.9
2022	**100.0**	4.3	12.8	17.2	15.8	13.9	11.0	8.9	7.6	5.6	3.0
Lelaki *Male*											
2018	**100.0**	3.8	13.7	17.5	15.6	12.9	10.4	9.1	8.1	5.9	2.9
2019	**100.0**	4.2	13.8	17.3	15.5	13.1	10.4	9.0	8.0	5.9	2.8
2020	**100.0**	4.1	12.6	17.2	15.4	13.5	10.5	9.1	8.0	6.3	3.4
2021	**100.0**	4.5	13.2	16.5	14.6	13.4	10.7	9.2	7.9	6.4	3.5
2022	**100.0**	4.3	12.7	16.2	15.0	13.5	10.8	9.1	7.9	6.6	3.8
Perempuan *Female*											
2018	**100.0**	3.1	14.6	18.9	16.6	12.9	10.5	9.4	7.2	4.7	2.1
2019	**100.0**	3.5	14.6	18.7	16.5	13.3	10.5	9.2	7.3	4.4	2.0
2020	**100.0**	3.0	13.6	19.2	16.4	13.6	10.4	9.1	7.6	4.8	2.2
2021	**100.0**	6.4	13.4	19.4	15.0	14.0	11.0	8.6	6.5	3.7	2.0
2022	**100.0**	4.4	12.8	18.8	17.0	14.4	11.2	8.6	7.1	4.2	1.6

Jadual C2.2: **Tenaga buruh mengikut jantina dan kumpulan etnik, Malaysia, 2018–2022**
Table C2.2: *Labour force by sex and ethnic group, Malaysia, 2018–2022*

Jantina *Sex*	**Jumlah** *Total*	*Warganegara Malaysia Malaysian citizens*					**Bukan warganegara Malaysia** *Non-Malaysian citizens*
		Jumlah *Total*	*Bumiputera*	**Cina** *Chinese*	**India** *Indians*	**Lain-lain** *Others*	
Jumlah ('000) *Total*							
2018	**15,280.3**	13,054.3	8,680.8	3,324.1	938.3	111.2	2,225.9
2019	**15,581.6**	13,305.6	8,832.0	3,394.5	966.0	113.1	2,276.0
2020	**15,667.7**	13,484.7	8,944.8	3,425.0	1,010.1	104.9	2,183.0
2021	**15,797.2**	13,799.3	9,258.7	3,394.6	1,021.2	124.8	1,997.8
2022	**16,022.1**	14,170.4	9,635.7	3,374.3	1,059.0	101.4	1,851.7
Lelaki *Male*							
2018	**9,330.2**	7,755.8	5,196.2	1,934.2	559.0	66.4	1,574.4
2019	**9,503.5**	7,948.5	5,322.5	1,986.8	572.3	66.8	1,555.0
2020	**9,553.5**	8,087.0	5,432.9	1,998.6	593.2	62.3	1,466.5
2021	**9,628.7**	8,318.7	5,578.5	2,059.1	605.1	76.1	1,310.0
2022	**9,779.3**	8,497.7	5,781.7	2,035.8	620.5	59.7	1,281.7
Perempuan *Female*							
2018	**5,950.1**	5,298.6	3,484.6	1,389.9	379.2	44.9	651.5
2019	**6,078.1**	5,357.1	3,509.4	1,407.7	393.7	46.3	721.0
2020	**6,114.2**	5,397.7	3,511.9	1,426.4	416.9	42.6	716.5
2021	**6,168.5**	5,480.6	3,680.3	1,335.5	416.1	48.8	687.9
2022	**6,242.7**	5,672.7	3,854.0	1,338.6	438.4	41.7	570.0
Jumlah (%) *Total*							
2018	**100.0**	85.4	56.8	21.8	6.1	0.7	14.6
2019	**100.0**	85.4	56.7	21.8	6.2	0.7	14.6
2020	**100.0**	86.1	57.1	21.9	6.4	0.7	13.9
2021	**100.0**	87.4	58.6	21.5	6.5	0.8	12.6
2022	**100.0**	88.4	60.1	21.1	6.6	0.6	11.6
Lelaki *Male*							
2018	**100.0**	83.1	55.7	20.7	6.0	0.7	16.9
2019	**100.0**	83.6	56.0	20.9	6.0	0.7	16.4
2020	**100.0**	84.6	56.9	20.9	6.2	0.7	15.4
2021	**100.0**	86.4	57.9	21.4	6.3	0.8	13.6
2022	**100.0**	86.9	59.1	20.8	6.3	0.6	13.1
Perempuan *Female*							
2018	**100.0**	89.1	58.6	23.4	6.4	0.8	10.9
2019	**100.0**	88.1	57.7	23.2	6.5	0.8	11.9
2020	**100.0**	88.3	57.4	23.3	6.8	0.7	11.7
2021	**100.0**	88.8	59.7	21.7	6.7	0.8	11.2
2022	**100.0**	90.9	61.7	21.4	7.0	0.7	9.1

Jadual C2.3: **Tenaga buruh mengikut jantina dan pencapaian pendidikan, Malaysia, 2018–2022**
Table C2.3: *Labour force by sex and educational attainment, Malaysia, 2018–2022*

Jantina *Sex*	**Jumlah** *Total*	**Tiada pendidikan rasmi** *No formal education*	**Rendah** *Primary*	**Menengah** *Secondary*	**Tertiari** *Tertiary*
Jumlah ('000) *Total*					
2018	**15,280.3**	418.0	1,960.4	8,494.1	4,407.8
2019	**15,581.6**	454.3	1,852.9	8,658.0	4,616.4
2020	**15,667.7**	382.1	1,568.3	8,703.0	5,014.4
2021	**15,797.2**	550.9	1,352.8	8,670.1	5,223.4
2022	**16,022.1**	416.3	1,329.7	8,755.9	5,520.2
Lelaki *Male*					
2018	**9,330.2**	249.8	1,363.0	5,484.3	2,233.1
2019	**9,503.5**	271.8	1,244.3	5,634.2	2,353.2
2020	**9,553.5**	223.8	1,069.3	5,663.4	2,597.0
2021	**9,628.7**	351.8	961.8	5,587.8	2,727.2
2022	**9,779.3**	285.1	923.4	5,618.3	2,952.4
Perempuan *Female*					
2018	**5,950.1**	168.2	597.5	3,009.8	2,174.7
2019	**6,078.1**	182.5	608.6	3,023.8	2,263.2
2020	**6,114.2**	158.3	499.0	3,039.5	2,417.4
2021	**6,168.5**	199.1	391.0	3,082.3	2,496.1
2022	**6,242.7**	131.2	406.2	3,137.5	2,567.8
Jumlah (%) *Total*					
2018	**100.0**	2.7	12.8	55.6	28.8
2019	**100.0**	2.9	11.9	55.6	29.6
2020	**100.0**	2.4	10.0	55.5	32.0
2021	**100.0**	3.5	8.6	54.9	33.1
2022	**100.0**	2.6	8.3	54.6	34.5
Lelaki *Male*					
2018	**100.0**	2.7	14.6	58.8	23.9
2019	**100.0**	2.9	13.1	59.3	24.8
2020	**100.0**	2.3	11.2	59.3	27.2
2021	**100.0**	3.7	10.0	58.0	28.3
2022	**100.0**	2.9	9.4	57.5	30.2
Perempuan *Female*					
2018	**100.0**	2.8	10.0	50.6	36.5
2019	**100.0**	3.0	10.0	49.7	37.2
2020	**100.0**	2.6	8.2	49.7	39.5
2021	**100.0**	3.2	6.3	50.0	40.5
2022	**100.0**	2.1	6.5	50.3	41.1

Jadual C2.4: **Tenaga buruh mengikut jantina dan sijil tertinggi diperoleh, Malaysia, 2018–2022**
Table C2.4: *Labour force by sex and highest certificate obtained, Malaysia, 2018–2022*

Jantina *Sex*	**Jumlah** *Total*	**UPSR/ UPSRA atau yang setaraf** *UPSR/UPSRA or equivalent*	**PT3/PMR/SRP/ LCE/SRA atau yang setaraf** *PT3/PMR/SRP/ LCE/ SRA or equivalent*	**SPM atau yang setaraf** *SPM or equivalent*	**STPM atau yang setaraf** *STPM or equivalent*	**Sijil** *Certificate*	**Diploma**	**Ijazah** *Degree*	**Tiada sijil** *No certificate*	**Tidak berkenaan** *Not applicable*
Jumlah ('000) *Total*										
2018	**15,280.3**	1,765.6	1,863.4	6,185.8	444.3	400.6	1,535.5	2,002.8	666.5	415.8
2019	**15,581.6**	1,709.6	1,853.4	6,413.2	474.7	386.7	1,590.2	2,106.9	595.4	451.4
2020	**15,667.7**	1,586.0	1,600.3	6,801.6	527.2	493.6	1,715.8	2,209.1	378.7	355.4
2021	**15,797.2**	1,212.8	1,448.3	7,051.1	775.7	317.6	1,528.4	2,416.3	500.4	546.5
2022	**16,022.1**	1,199.4	1,371.8	7,198.2	549.7	404.7	1,801.5	2,610.9	472.0	413.8
Lelaki *Male*										
2018	**9,330.2**	1,267.8	1,316.9	3,828.9	206.9	291.9	786.5	935.0	448.1	248.0
2019	**9,503.5**	1,186.5	1,319.7	4,018.0	220.1	286.7	818.2	990.1	393.7	270.6
2020	**9,553.5**	1,109.6	1,153.6	4,275.9	274.0	349.6	893.2	1,038.9	247.4	211.2
2021	**9,628.7**	860.5	955.5	4,478.3	449.3	214.8	787.4	1,188.9	344.6	349.3
2022	**9,779.3**	839.3	960.0	4,482.9	291.3	293.8	965.0	1,347.0	316.4	283.6
Perempuan *Female*										
2018	**5,950.1**	497.7	546.5	2,356.9	237.4	108.6	749.0	1,067.8	218.3	167.8
2019	**6,078.1**	523.1	533.8	2,395.1	254.6	100.1	772.0	1,116.8	201.7	180.8
2020	**6,114.2**	476.4	446.6	2,525.7	253.2	144.1	822.6	1,170.2	131.3	144.2
2021	**6,168.5**	352.3	492.8	2,572.8	326.4	102.8	741.0	1,227.4	155.8	197.2
2022	**6,242.7**	360.1	411.8	2,715.3	258.4	110.9	836.5	1,263.9	155.6	130.2
Jumlah (%) *Total*										
2018	**100.0**	11.6	12.2	40.5	2.9	2.6	10.0	13.1	4.4	2.7
2019	**100.0**	11.0	11.9	41.2	3.0	2.5	10.2	13.5	3.8	2.9
2020	**100.0**	10.1	10.2	43.4	3.4	3.2	11.0	14.1	2.4	2.3
2021	**100.0**	7.7	9.2	44.6	4.9	2.0	9.7	15.3	3.2	3.5
2022	**100.0**	7.5	8.6	44.9	3.4	2.5	11.2	16.3	2.9	2.6
Lelaki *Male*										
2018	**100.0**	13.6	14.1	41.0	2.2	3.1	8.4	10.0	4.8	2.7
2019	**100.0**	12.5	13.9	42.3	2.3	3.0	8.6	10.4	4.1	2.8
2020	**100.0**	11.6	12.1	44.8	2.9	3.7	9.3	10.9	2.6	2.2
2021	**100.0**	8.9	9.9	46.5	4.7	2.2	8.2	12.3	3.6	3.6
2022	**100.0**	8.6	9.8	45.8	3.0	3.0	9.9	13.8	3.2	2.9
Perempuan *Female*										
2018	**100.0**	8.4	9.2	39.6	4.0	1.8	12.6	17.9	3.7	2.8
2019	**100.0**	8.6	8.8	39.4	4.2	1.6	12.7	18.4	3.3	3.0
2020	**100.0**	7.8	7.3	41.3	4.1	2.4	13.5	19.1	2.1	2.4
2021	**100.0**	5.7	8.0	41.7	5.3	1.7	12.0	19.9	2.5	3.2
2022	**100.0**	5.8	6.6	43.5	4.1	1.8	13.4	20.2	2.5	2.1

Jadual C3.1: **Penduduk bekerja mengikut jantina dan kumpulan umur, Malaysia, 2018–2022**
Table C3.1a: *Employed persons by sex and age group, Malaysia, 2018–2022*

Jantina *Sex*	**Jumlah** *Total*	**15–19**	**20–24**	**25–29**	**30–34**	**35–39**	**40–44**	**45–49**	**50–54**	**55–59**	**60–64**
Jumlah ('000) *Total*											
2018	**14,776.0**	454.7	1,940.5	2,657.0	2,401.5	1,948.6	1,582.3	1,399.5	1,177.6	821.6	392.7
2019	**15,073.4**	528.4	1,986.4	2,674.1	2,434.1	2,034.3	1,605.7	1,403.7	1,192.2	828.1	386.4
2020	**14,956.7**	483.5	1,814.4	2,652.4	2,396.7	2,063.2	1,616.3	1,404.3	1,202.6	874.8	448.6
2021	**15,064.2**	717.6	1,877.0	2,628.1	2,266.1	2,111.8	1,683.2	1,381.5	1,137.6	829.2	432.1
2022	**15,391.7**	596.0	1,820.1	2,646.0	2,478.8	2,190.1	1,743.4	1,408.7	1,185.6	873.5	449.6
Lelaki *Male*											
2018	**9,041.8**	302.3	1,168.9	1,582.2	1,432.6	1,188.5	960.7	842.2	750.4	544.9	269.0
2019	**9,202.4**	347.1	1,197.8	1,579.8	1,444.9	1,234.1	974.8	846.9	750.1	561.5	265.5
2020	**9,128.8**	330.2	1,083.0	1,554.8	1,423.1	1,252.0	985.7	852.7	744.8	585.7	316.7
2021	**9,190.6**	356.4	1,141.8	1,501.8	1,372.0	1,260.6	1,011.4	864.4	748.9	607.1	326.4
2022	**9,405.5**	360.7	1,129.3	1,530.3	1,436.4	1,301.7	1,045.8	878.7	755.1	617.0	350.4
Perempuan *Female*											
2018	**5,734.2**	152.4	771.7	1,074.8	968.9	760.1	621.5	557.2	427.2	276.7	123.6
2019	**5,871.0**	181.3	788.5	1,094.3	989.1	800.3	630.9	556.8	442.0	266.7	121.0
2020	**5,827.9**	153.3	731.4	1,097.5	973.6	811.2	630.6	551.6	457.7	289.1	131.8
2021	**5,873.5**	361.2	735.3	1,126.3	894.1	851.3	671.8	517.1	388.7	222.0	105.7
2022	**5,986.2**	235.3	690.8	1,115.6	1,042.3	888.4	697.5	530.0	430.5	256.5	99.2
Jumlah (%) *Total*											
2018	**100.0**	3.1	13.1	18.0	16.3	13.2	10.7	9.5	8.0	5.6	2.7
2019	**100.0**	3.5	13.2	17.7	16.1	13.5	10.7	9.3	7.9	5.5	2.6
2020	**100.0**	3.2	12.1	17.7	16.0	13.8	10.8	9.4	8.0	5.8	3.0
2021	**100.0**	4.8	12.5	17.4	15.0	14.0	11.2	9.2	7.6	5.5	2.9
2022	**100.0**	3.9	11.8	17.2	16.1	14.2	11.3	9.2	7.7	5.7	2.9
Lelaki *Male*											
2018	**100.0**	3.3	12.9	17.5	15.8	13.1	10.6	9.3	8.3	6.0	3.0
2019	**100.0**	3.8	13.0	17.2	15.7	13.4	10.6	9.2	8.2	6.1	2.9
2020	**100.0**	3.6	11.9	17.0	15.6	13.7	10.8	9.3	8.2	6.4	3.5
2021	**100.0**	3.9	12.4	16.3	14.9	13.7	11.0	9.4	8.1	6.6	3.6
2022	**100.0**	3.8	12.0	16.3	15.3	13.8	11.1	9.3	8.0	6.6	3.7
Perempuan *Female*											
2018	**100.0**	2.7	13.5	18.7	16.9	13.3	10.8	9.7	7.5	4.8	2.2
2019	**100.0**	3.1	13.4	18.6	16.8	13.6	10.7	9.5	7.5	4.5	2.1
2020	**100.0**	2.6	12.5	18.8	16.7	13.9	10.8	9.5	7.9	5.0	2.3
2021	**100.0**	6.1	12.5	19.2	15.2	14.5	11.4	8.8	6.6	3.8	1.8
2022	**100.0**	3.9	11.5	18.6	17.4	14.8	11.7	8.9	7.2	4.3	1.7

Jadual C3.2: **Penduduk bekerja mengikut jantina dan kumpulan etnik, Malaysia, 2018–2022**
Table C3.2: *Employed persons by sex and ethnic group, Malaysia, 2018–2022*

Jantina *Sex*	Jumlah *Total*	Warganegara Malaysia *Malaysian citizens*					Bukan warganegara Malaysia *Non-Malaysian citizens*
		Jumlah *Total*	Bumiputera	Cina *Chinese*	India *Indians*	Lain-lain *Others*	
Jumlah ('000) *Total*							
2018	**14,776.0**	12,592.5	8,353.4	3,245.5	888.4	105.2	2,183.4
2019	**15,073.4**	12,836.9	8,504.3	3,309.8	916.2	106.5	2,236.6
2020	**14,956.7**	12,865.9	8,540.2	3,281.6	948.7	95.3	2,090.9
2021	**15,064.2**	13,154.8	8,791.8	3,270.8	973.4	118.9	1,909.4
2022	**15,391.7**	13,613.7	9,247.8	3,269.3	1,008.3	88.3	1,778.0
Lelaki *Male*							
2018	**9,041.8**	7,494.7	5,010.9	1,886.3	534.7	62.7	1,547.1
2019	**9,202.4**	7,674.7	5,132.4	1,935.2	544.1	63.1	1,527.7
2020	**9,128.8**	7,721.5	5,195.5	1,908.7	560.7	56.6	1,407.3
2021	**9,190.6**	7,948.8	5,325.7	1,969.5	578.0	75.5	1,241.8
2022	**9,405.5**	8,153.6	5,555.9	1,964.6	585.5	47.6	1,251.8
Perempuan *Female*							
2018	**5,734.2**	5,097.8	3,342.5	1,359.2	353.7	42.5	636.3
2019	**5,871.0**	5,162.1	3,371.9	1,374.6	372.1	43.4	708.9
2020	**5,827.9**	5,144.3	3,344.7	1,372.9	388.0	38.6	683.6
2021	**5,873.5**	5,206.0	3,466.0	1,301.2	395.4	43.3	667.6
2022	**5,986.2**	5,460.1	3,691.9	1,304.7	422.8	40.7	526.2
Jumlah (%) *Total*							
2018	**100.0**	85.2	56.5	22.0	6.0	0.7	14.8
2019	**100.0**	85.2	56.4	22.0	6.1	0.7	14.8
2020	**100.0**	86.0	57.1	21.9	6.3	0.6	14.0
2021	**100.0**	87.3	58.4	21.7	6.5	0.8	12.7
2022	**100.0**	88.4	60.1	21.2	6.6	0.6	11.6
Lelaki *Male*							
2018	**100.0**	82.9	55.4	20.9	5.9	0.7	17.1
2019	**100.0**	83.4	55.8	21.0	5.9	0.7	16.6
2020	**100.0**	84.6	56.9	20.9	6.1	0.6	15.4
2021	**100.0**	86.5	57.9	21.4	6.3	0.8	13.5
2022	**100.0**	86.7	59.1	20.9	6.2	0.5	13.3
Perempuan *Female*							
2018	**100.0**	88.9	58.3	23.7	6.2	0.7	11.1
2019	**100.0**	87.9	57.4	23.4	6.3	0.7	12.1
2020	**100.0**	88.3	57.4	23.6	6.7	0.7	11.7
2021	**100.0**	88.6	59.0	22.2	6.7	0.7	11.4
2022	**100.0**	91.2	61.7	21.8	7.1	0.7	8.8

Jadual C3.3: **Penduduk bekerja mengikut jantina dan pekerjaan, Malaysia, 2018–2022**
Table C3.3: Employed persons by sex and occupation, Malaysia, 2018–2022

Jantina *Sex*	Jumlah *Total*	1	2	3	4	5	6	7	8	9
Jumlah ('000) *Total*										
2018	**14,776.0**	660.5	1,824.4	1,536.6	1,247.7	3,422.5	921.9	1,545.8	1,787.9	1,828.7
2019	**15,073.4**	694.5	1,883.5	1,573.9	1,272.1	3,411.5	932.8	1,577.2	1,865.4	1,862.5
2020	**14,956.7**	808.4	1,867.7	1,547.2	1,242.1	3,632.3	916.3	1,472.5	1,689.9	1,780.3
2021	**15,064.2**	687.0	1,961.4	1,806.7	1,507.3	3,611.5	720.3	1,301.0	1,553.7	1,915.2
2022	**15,391.7**	712.2	1,993.1	1,855.2	1,534.7	3,763.2	723.8	1,380.7	1,584.4	1,844.4
Lelaki *Male*										
2018	**9,041.8**	497.7	821.4	1,051.1	349.0	1,691.1	719.7	1,215.9	1,399.0	1,296.9
2019	**9,202.4**	532.8	831.0	1,092.9	337.0	1,659.2	740.7	1,228.9	1,446.8	1,333.2
2020	**9,128.8**	607.5	781.9	1,063.2	384.0	1,861.8	719.9	1,174.9	1,277.8	1,257.8
2021	**9,190.6**	521.8	944.8	1,293.2	474.5	1,710.5	598.5	1,047.8	1,234.2	1,365.3
2022	**9,405.5**	537.0	966.4	1,313.8	485.3	1,767.6	598.9	1,091.7	1,253.6	1,391.2
Perempuan *Female*										
2018	**5,734.2**	162.8	1,003.0	485.6	898.7	1,731.4	202.3	329.8	388.9	531.8
2019	**5,871.0**	161.7	1,052.5	481.0	935.2	1,752.3	192.1	348.3	418.6	529.3
2020	**5,827.9**	200.9	1,085.8	484.0	858.1	1,770.4	196.4	297.6	412.2	522.5
2021	**5,873.5**	165.2	1,016.5	513.4	1,032.8	1,901.1	121.8	253.2	319.5	549.9
2022	**5,986.2**	175.2	1,026.8	541.3	1,049.5	1,995.6	124.8	289.0	330.8	453.2
Jumlah (%) *Total*										
2018	**100.0**	4.5	12.3	10.4	8.4	23.2	6.2	10.5	12.1	12.4
2019	**100.0**	4.6	12.5	10.4	8.4	22.6	6.2	10.5	12.4	12.4
2020	**100.0**	5.4	12.5	10.3	8.3	24.3	6.1	9.8	11.3	11.9
2021	**100.0**	4.6	13.0	12.0	10.0	24.0	4.8	8.6	10.3	12.7
2022	**100.0**	4.6	12.9	12.1	10.0	24.4	4.7	9.0	10.3	12.0
Lelaki *Male*										
2018	**100.0**	5.5	9.1	11.6	3.9	18.7	8.0	13.4	15.5	14.3
2019	**100.0**	5.8	9.0	11.9	3.7	18.0	8.0	13.4	15.7	14.5
2020	**100.0**	6.7	8.6	11.6	4.2	20.4	7.9	12.9	14.0	13.8
2021	**100.0**	5.7	10.3	14.1	5.2	18.6	6.5	11.4	13.4	14.9
2022	**100.0**	5.7	10.3	14.0	5.2	18.8	6.4	11.6	13.3	14.8
Perempuan *Female*										
2018	**100.0**	2.8	17.5	8.5	15.7	30.2	3.5	5.8	6.8	9.3
2019	**100.0**	2.8	17.9	8.2	15.9	29.8	3.3	5.9	7.1	9.0
2020	**100.0**	3.4	18.6	8.3	14.7	30.4	3.4	5.1	7.1	9.0
2021	**100.0**	2.8	17.3	8.7	17.6	32.4	2.1	4.3	5.4	9.4
2022	**100.0**	2.9	17.2	9.0	17.5	33.3	2.1	4.8	5.5	7.6

Pekerjaan berasaskan MASCO 2013. Keterangan terperinci di muka surat 330 nota teknikal.
Occupation is based on MASCO 2013. Details as is page 346 of the technical notes.

Jadual C3.4: **Penduduk bekerja mengikut jantina dan industri, Malaysia, 2018–2022**
Table C3.4: *Employed persons by sex and industry, Malaysia, 2018–2022*

Jantina *Sex*	**Jumlah**[1] *Total*	**Pertanian, perhutanan dan perikanan** *Agriculture, forestry and fishing*	**Perlombongan dan pengkuarian** *Mining and quarrying*	**Pembuatan** *Manufacturing*	**Bekalan elektrik, gas, wap dan pendingin udara** *Electricity, gas, steam and air conditioning supply*	**Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan** *Water supply; sewerage, waste management and remediation activities*	**Pembinaan** *Construction*	**Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal** *Wholesale and retail trade; repair of motor vehicles and motorcycles*	**Pengangkutan dan penyimpanan** *Transportation and storage*	**Penginapan dan aktiviti perkhidmatan makanan dan minuman** *Accommodation and food and beverage service activities*	**Maklumat dan komunikasi** *Information and communication*
Jumlah ('000) *Total*											
2018	**14,776.0**	1,570.3	90.8	2,499.9	68.8	88.6	1,257.8	2,544.5	697.9	1,473.4	216.4
2019	**15,073.4**	1,541.2	91.0	2,612.0	75.4	88.8	1,246.7	2,604.6	677.8	1,549.7	223.9
2020	**14,956.7**	1,566.0	82.2	2,498.0	76.4	83.7	1,173.4	2,765.6	689.2	1,540.0	223.4
2021	**15,064.2**	1,550.0	81.9	2,501.4	77.7	85.5	1,159.6	2,826.5	704.5	1,535.5	235.1
2022	**15,391.7**	1,540.8	84.3	2,590.7	79.1	88.3	1,170.5	2,932.6	711.4	1,547.7	236.4
Lelaki *Male*											
2018	**9,041.8**	1,220.6	72.2	1,500.3	59.2	74.1	1,133.7	1,482.8	588.9	734.7	140.9
2019	**9,202.4**	1,220.9	72.3	1,615.5	64.0	74.3	1,132.6	1,493.0	578.2	739.2	147.1
2020	**9,128.8**	1,212.8	59.8	1,503.7	63.1	66.3	1,023.7	1,620.9	572.2	831.3	133.2
2021	**9,190.6**	1,231.4	50.7	1,613.4	72.3	66.4	1,023.2	1,555.2	555.7	668.1	155.4
2022	**9,405.5**	1,223.4	52.6	1,691.5	73.3	68.5	1,028.6	1,620.4	558.4	748.2	156.4
Perempuan *Female*											
2018	**5,734.2**	349.7	18.7	999.7	9.6	14.5	124.1	1,061.8	109.0	738.7	75.5
2019	**5,871.0**	320.3	18.7	996.5	11.5	14.4	114.1	1,111.6	99.6	810.4	76.8
2020	**5,827.9**	353.3	22.4	994.3	13.2	17.3	149.7	1,144.7	117.0	708.7	90.2
2021	**5,873.5**	318.6	31.2	888.0	5.3	19.1	136.4	1,271.3	148.8	867.4	79.7
2022	**5,986.2**	317.5	31.7	899.2	5.7	19.8	141.8	1,312.3	153.0	799.6	80.0
Jumlah (%) *Total*											
2018	**100.0**	10.6	0.6	16.9	0.5	0.6	8.5	17.2	4.7	10.0	1.5
2019	**100.0**	10.2	0.6	17.3	0.5	0.6	8.3	17.3	4.5	10.3	1.5
2020	**100.0**	10.5	0.5	16.7	0.5	0.6	7.8	18.5	4.6	10.3	1.5
2021	**100.0**	10.3	0.5	16.6	0.5	0.6	7.7	18.8	4.7	10.2	1.6
2022	**100.0**	10.0	0.5	16.8	0.5	0.6	7.6	19.1	4.6	10.1	1.5
Lelaki *Male*											
2018	**100.0**	13.5	0.8	16.6	0.7	0.8	12.5	16.4	6.5	8.1	1.6
2019	**100.0**	13.3	0.8	17.6	0.7	0.8	12.3	16.2	6.3	8.0	1.6
2020	**100.0**	13.3	0.7	16.5	0.7	0.7	11.2	17.8	6.3	9.1	1.5
2021	**100.0**	13.4	0.6	17.6	0.8	0.7	11.1	16.9	6.0	7.3	1.7
2022	**100.0**	13.0	0.6	18.0	0.8	0.7	10.9	17.2	5.9	8.0	1.7
Perempuan *Female*											
2018	**100.0**	6.1	0.3	17.4	0.2	0.3	2.2	18.5	1.9	12.9	1.3
2019	**100.0**	5.5	0.3	17.0	0.2	0.2	1.9	18.9	1.7	13.8	1.3
2020	**100.0**	6.1	0.4	17.1	0.2	0.3	2.6	19.6	2.0	12.2	1.5
2021	**100.0**	5.4	0.5	15.1	0.1	0.3	2.3	21.6	2.5	14.8	1.4
2022	**100.0**	5.3	0.5	15.0	0.1	0.3	2.4	21.9	2.6	13.4	1.3

Jadual C3.4: **Penduduk bekerja mengikut jantina dan industri, Malaysia, 2018–2022 (samb.)**
Table C3.4: *Employed persons by sex and industry, Malaysia, 2018–2022 (cont'd)*

Jantina *Sex*	**Aktiviti kewangan dan insurans/ takaful** *Financial and insurance/ takaful activitie*	**Aktiviti hartanah** *Real estate activities*	**Aktiviti profesional, saintifik dan teknikal** *Professional, scientific and technical activities*	**Aktiviti pentadbiran dan khidmat sokongan** *Administrative and support service activities*	**Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib** *Public administration and defence: compulsory social security*	**Pendidikan** *Education*	**Aktiviti kesihatan kemanusiaan dan kerja sosial** *Human health and social work activities*	**Kesenian, hiburan dan rekreasi** *Arts, entertainment and recreation*	**Aktiviti perkhidmatan lain** *Other service activities*	**Aktiviti isi rumah sebagai majikan** *Activities of households as employers*
Jumlah ('000) *Total*										
2018	338.6	97.2	367.7	747.6	720.2	988.7	551.2	85.6	264.8	103.9
2019	355.1	90.3	394.7	809.2	737.1	992.1	527.7	84.0	266.1	104.3
2020	372.1	82.1	379.3	801.9	734.9	937.6	559.6	58.2	267.0	66.1
2021	386.5	83.4	358.9	846.0	725.1	924.3	582.2	60.5	274.7	64.6
2022	397.2	83.7	365.7	862.4	747.7	943.7	599.0	63.5	279.0	67.8
Lelaki *Male*										
2018	159.2	50.2	178.1	500.4	508.3	339.5	112.1	53.0	124.5	7.5
2019	157.2	48.4	195.4	522.5	513.4	334.6	114.6	52.6	117.4	7.8
2020	174.0	43.3	191.2	510.2	494.7	293.2	157.9	30.9	140.2	6.2
2021	182.1	50.3	180.8	479.4	506.2	367.8	256.6	26.9	147.6	1.1
2022	190.3	50.0	184.9	500.9	513.0	327.9	226.6	32.9	153.0	4.9
Perempuan *Female*										
2018	179.5	47.0	189.7	247.2	211.9	649.2	439.2	32.5	140.2	96.4
2019	197.9	41.9	199.3	286.8	223.7	657.5	413.1	31.4	148.7	96.6
2020	198.1	38.8	188.1	291.7	240.2	644.4	401.7	27.3	126.8	59.9
2021	204.3	33.1	178.1	366.6	218.8	556.4	325.6	33.7	127.1	63.5
2022	206.9	33.8	180.9	361.6	234.8	615.8	372.4	30.7	126.0	62.9
Jumlah (%) *Total*										
2018	2.3	0.7	2.5	5.1	4.9	6.7	3.7	0.6	1.8	0.7
2019	2.6	0.7	2.9	6.0	5.5	7.4	3.9	0.6	2.0	0.8
2020	2.5	0.5	2.5	5.4	4.9	6.3	3.7	0.4	1.8	0.4
2021	2.6	0.6	2.4	5.6	4.8	6.1	3.9	0.4	1.8	0.4
2022	2.9	0.6	2.7	6.3	5.4	6.9	4.4	0.5	2.0	0.5
Lelaki *Male*										
2018	1.8	0.6	2.0	5.5	5.6	3.8	1.2	0.6	1.4	0.1
2019	2.0	0.6	2.5	6.6	6.5	4.2	1.4	0.7	1.5	0.1
2020	1.9	0.5	2.1	5.6	5.4	3.2	1.7	0.3	1.5	0.1
2021	2.0	0.5	2.0	5.2	5.5	4.0	2.8	0.3	1.6	0.0
2022	2.0	0.5	2.0	5.3	5.5	3.5	2.4	0.3	1.6	0.1
Perempuan *Female*										
2018	3.1	0.8	3.3	4.3	3.7	11.3	7.7	0.6	2.4	1.7
2019	3.6	0.8	3.6	5.2	4.0	11.9	7.5	0.6	2.7	1.7
2020	3.4	0.7	3.2	5.0	4.1	11.1	6.9	0.5	2.2	1.0
2021	3.5	0.6	3.0	6.2	3.7	9.5	5.5	0.6	2.2	1.1
2022	3.5	0.6	3.0	6.0	3.9	10.3	6.2	0.5	2.1	1.1

Jadual C3.5: **Penduduk bekerja mengikut jantina dan taraf pekerjaan, Malaysia, 2018–2022**
Table C3.5: *Employed persons by sex and status in employment, Malaysia, 2018–2022*

Jantina *Sex*	**Jumlah** *Total*	**Majikan** *Employer*	**Pekerja** *Employee*	**Bekerja sendiri** *Own account worker*	**Pekerja keluarga tanpa gaji** *Unpaid family worker*
Jumlah ('000) *Total*					
2018	**14,776.0**	547.2	10,700.4	2,859.2	669.1
2019	**15,073.4**	552.9	11,218.3	2,724.2	578.1
2020	**14,956.7**	512.2	11,554.2	2,383.0	507.4
2021	**15,064.2**	508.4	11,821.4	2,231.0	503.3
2022	**15,391.7**	532.9	12,046.8	2,325.0	487.0
Lelaki *Male*					
2018	**9,041.8**	448.2	6,616.6	1,740.4	236.6
2019	**9,202.4**	450.9	6,857.3	1,684.3	210.0
2020	**9,128.8**	408.4	7,004.2	1,523.4	192.8
2021	**9,190.6**	394.2	7,007.8	1,603.3	185.4
2022	**9,405.5**	425.1	7,113.9	1,685.3	181.2
Perempuan *Female*					
2018	**5,734.2**	99.0	4,083.8	1,118.8	432.6
2019	**5,871.0**	102.0	4,360.9	1,039.9	368.2
2020	**5,827.9**	103.8	4,550.0	859.6	314.6
2021	**5,873.5**	114.2	4,813.6	627.7	317.9
2022	**5,986.2**	107.8	4,933.0	639.7	305.8
Jumlah (%) *Total*					
2018	**100.0**	3.7	72.4	19.4	4.5
2019	**100.0**	3.7	74.4	18.1	3.8
2020	**100.0**	3.4	77.3	15.9	3.4
2021	**100.0**	3.4	78.5	14.8	3.3
2022	**100.0**	3.5	78.3	15.1	3.2
Lelaki *Male*					
2018	**100.0**	5.0	73.2	19.2	2.6
2019	**100.0**	4.9	74.5	18.3	2.3
2020	**100.0**	4.5	76.7	16.7	2.1
2021	**100.0**	4.3	76.2	17.4	2.0
2022	**100.0**	4.5	75.6	17.9	1.9
Perempuan *Female*					
2018	**100.0**	1.7	71.2	19.5	7.5
2019	**100.0**	1.7	74.3	17.7	6.3
2020	**100.0**	1.8	78.1	14.7	5.4
2021	**100.0**	1.9	82.0	10.7	5.4
2022	**100.0**	1.8	82.4	10.7	5.1

Jadual C3.6: **Penduduk bekerja mengikut jantina dan pencapaian pendidikan, Malaysia, 2018–2022**
Table C3.6: *Employed persons by sex and educational attainment, Malaysia, 2018–2022*

Jantina *Sex*	**Jumlah** *Total*	**Tiada pendidikan rasmi** *No formal education*	**Rendah** *Primary*	**Menengah** *Secondary*	**Tertiari** *Tertiary*
Jumlah ('000) *Total*					
2018	**14,776.0**	401.5	1,928.5	8,216.5	4,229.4
2019	**15,073.4**	442.0	1,821.2	8,375.0	4,435.2
2020	**14,956.7**	358.0	1,506.3	8,313.8	4,778.7
2021	**15,064.2**	513.1	1,293.9	8,269.3	4,987.8
2022	**15,391.7**	378.5	1,289.6	8,408.4	5,315.3
Lelaki *Male*					
2018	**9,041.8**	240.5	1,340.1	5,306.4	2,154.9
2019	**9,202.4**	263.8	1,220.9	5,448.0	2,269.7
2020	**9,128.8**	210.8	1,026.4	5,415.6	2,475.9
2021	**9,190.6**	324.1	926.0	5,329.0	2,611.5
2022	**9,405.5**	264.9	897.0	5,391.8	2,851.7
Perempuan *Female*					
2018	**5,734.2**	161.1	588.5	2,910.2	2,074.5
2019	**5,871.0**	178.2	600.4	2,926.9	2,165.5
2020	**5,827.9**	147.1	479.9	2,898.2	2,302.8
2021	**5,873.5**	189.0	367.8	2,940.3	2,376.4
2022	**5,986.2**	113.6	392.5	3,016.5	2,463.6
Jumlah (%) *Total*					
2018	**100.0**	2.7	13.1	55.6	28.6
2019	**100.0**	2.9	12.1	55.6	29.4
2020	**100.0**	2.4	10.1	55.6	32.0
2021	**100.0**	3.4	8.6	54.9	33.1
2022	**100.0**	2.5	8.4	54.6	34.5
Lelaki *Male*					
2018	**100.0**	2.7	14.8	58.7	23.8
2019	**100.0**	2.9	13.3	59.2	24.7
2020	**100.0**	2.3	11.2	59.3	27.1
2021	**100.0**	3.5	10.1	58.0	28.4
2022	**100.0**	2.8	9.5	57.3	30.3
Perempuan *Female*					
2018	**100.0**	2.8	10.3	50.8	36.2
2019	**100.0**	3.0	10.2	49.9	36.9
2020	**100.0**	2.5	8.2	49.7	39.5
2021	**100.0**	3.2	6.3	50.1	40.5
2022	**100.0**	1.9	6.6	50.4	41.2

Jadual C3.7: **Penduduk bekerja mengikut jantina dan sijil tertinggi diperoleh, Malaysia, 2018–2022**
Table C3.7: *Employed persons by sex and highest certificate obtained, Malaysia, 2018–2022*

Jantina *Sex*	Jumlah *Total*	UPSR/UPSRA atau yang setaraf *UPSR/UPSRA or equivalent*	PT3/PMR/SRP/ LCE/SRA atau yang setaraf *PT3/PMR/SRP/ LCE/ SRA or equivalent*	SPM atau yang setaraf *SPM or equivalent*	STPM atau yang setaraf *STPM or equivalent*	Sijil *Certificate*	Diploma	Ijazah *Degree*	Tiada sijil *No certificate*	Tidak berkenaan *Not applicable*
Jumlah ('000) *Total*										
2018	**14,776.0**	1,727.9	1,816.5	5,971.9	425.6	381.9	1,474.6	1,924.0	653.8	399.6
2019	**15,073.4**	1,673.6	1,805.8	6,195.1	455.5	370.7	1,520.2	2,033.5	579.9	439.1
2020	**14,956.7**	1,515.5	1,543.3	6,488.6	497.8	472.4	1,632.0	2,117.7	353.4	336.1
2021	**15,064.2**	1,160.1	1,378.9	6,722.4	738.2	299.9	1,460.5	2,324.1	470.0	510.0
2022	**15,391.7**	1,153.4	1,315.5	6,903.8	515.6	393.9	1,736.1	2,539.4	457.6	376.4
Lelaki *Male*										
2018	**9,041.8**	1,240.9	1,283.1	3,697.5	200.9	280.1	756.5	905.3	438.6	239.0
2019	**9,202.4**	1,159.2	1,281.8	3,883.4	212.4	274.6	782.4	963.8	382.3	262.6
2020	**9,128.8**	1,059.7	1,109.9	4,084.1	259.0	334.4	849.6	1,000.1	231.5	200.5
2021	**9,190.6**	830.0	913.1	4,269.8	429.7	202.3	749.7	1,150.3	323.4	322.4
2022	**9,405.5**	808.2	921.4	4,299.4	274.9	286.6	929.6	1,314.5	307.4	263.4
Perempuan *Female*										
2018	**5,734.2**	486.9	533.5	2,274.4	224.8	101.8	718.2	1,018.7	215.2	160.7
2019	**5,871.0**	514.3	524.0	2,311.7	243.1	96.2	737.8	1,069.7	197.7	176.6
2020	**5,827.9**	455.7	433.4	2,404.5	238.8	137.9	782.4	1,117.6	121.9	135.6
2021	**5,873.5**	330.1	465.9	2,452.6	308.5	97.6	710.8	1,173.7	146.7	187.7
2022	**5,986.2**	345.2	394.1	2,604.4	240.7	107.3	806.5	1,224.9	150.2	113.0
Jumlah (%) *Total*										
2018	**100.0**	11.7	12.3	40.4	2.9	2.6	10.0	13.0	4.4	2.7
2019	**100.0**	11.1	12.0	41.1	3.0	2.5	10.1	13.5	3.8	2.9
2020	**100.0**	10.1	10.3	43.4	3.3	3.2	10.9	14.2	2.4	2.2
2021	**100.0**	7.7	9.2	44.6	4.9	2.0	9.7	15.4	3.1	3.4
2022	**100.0**	7.5	8.5	44.9	3.3	2.6	11.3	16.5	3.0	2.4
Lelaki *Male*										
2018	**100.0**	13.7	14.2	40.9	2.2	3.1	8.4	10.0	4.9	2.6
2019	**100.0**	12.6	13.9	42.2	2.3	3.0	8.5	10.5	4.2	2.9
2020	**100.0**	11.6	12.2	44.7	2.8	3.7	9.3	11.0	2.5	2.2
2021	**100.0**	9.0	9.9	46.5	4.7	2.2	8.2	12.5	3.5	3.5
2022	**100.0**	8.6	9.8	45.7	2.9	3.0	9.9	14.0	3.3	2.8
Perempuan *Female*										
2018	**100.0**	8.5	9.3	39.7	3.9	1.8	12.5	17.8	3.8	2.8
2019	**100.0**	8.8	8.9	39.4	4.1	1.6	12.6	18.2	3.4	3.0
2020	**100.0**	7.8	7.4	41.3	4.1	2.4	13.4	19.2	2.1	2.3
2021	**100.0**	5.6	7.9	41.8	5.3	1.7	12.1	20.0	2.5	3.2
2022	**100.0**	5.8	6.6	43.5	4.0	1.8	13.5	20.5	2.5	1.9

Jadual C3.8: **Penduduk bekerja kurang dari 30 jam, Malaysia, 2018–2022**
Table C3.8: *Employed persons working less than 30 hours, Malaysia, 2018–2022*

Tahun *Year*	**Penduduk bekerja kurang dari 30 jam** *Employed persons working less than 30 hours*	**Kadar penduduk bekerja kurang dari 30 jam** *Rate of employed persons working less than 30 hours*
2018	437.5	3.0
2019	337.6	2.2
2020	556.8	3.7
2021	417.4	2.8
2022	341.8	2.2

Jadual C3.9: **Guna tenaga tidak penuh berkaitan masa, Malaysia, 2018–2022**
Table C3.9: *Time-related underemployment, Malaysia, 2018–2022*

Tahun *Year*	**Guna tenaga tidak penuh berkaitan masa** *Time-related underemployment*	**Kadar guna tenaga tidak penuh berkaitan masa** *Rate of time-related underemployment*
2018	223.9	1.5
2019	191.6	1.3
2020	334.0	2.2
2021	285.8	1.9
2022	238.7	1.6

Jadual C3.10: **Guna tenaga tidak penuh berkaitan kemahiran, Malaysia, 2018–2022**
Table C3.10: *Skill-related underemployment, Malaysia, 2018–2022*

Tahun *Year*	**Guna tenaga tidak penuh berkaitan kemahiran** *Skill-related underemployment*	**Kadar guna tenaga tidak penuh berkaitan kemahiran** *Rate of skill-related underemployment*
2018	1,403.1	33.2
2019	1,526.7	34.4
2020	1,815.6	38.0
2021	1,930.2	38.7
2022	2,018.2	38.0

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NOTA TEKNIKAL

TECHNICAL NOTES

NOTA TEKNIKAL

1. PENGENALAN

1.1 Statistik yang diterbitkan dalam laporan ini adalah berdasarkan Survei Tenaga Buruh (STB) yang dilaksanakan oleh Jabatan Perangkaan Malaysia (DOSM). STB dilaksanakan berdasarkan garis panduan dan syor ***International Labour Organization (ILO***) dengan merujuk kepada ***Surveys of Economically Active Population, Employment, Unemployment and Underemployment: An ILO Manual on Concepts and Methods.***

1.2 Survei yang dijalankan setiap bulan ini menyediakan statistik tenaga buruh, guna tenaga dan pengangguran di peringkat nasional dan negeri serta kawasan bandar dan luar bandar. Pendekatan yang lengkap dan sistematik dalam pengumpulan dan prosesan data dikekalkan dari semasa ke semasa untuk mendapatkan perbandingan statistik siri masa.

1.3 Maklumat yang dikumpul melalui STB adalah mengikut peruntukan **Akta Perangkaan 1965 (Disemak 1989). Seksyen 6** di bawah Akta ini mengkehendaki mana-mana individu memberikan butiran maklumat sebenar atau anggaran terbaik kepada DOSM. Sementara itu, **Seksyen 7** Akta yang sama memperuntukkan denda kepada responden yang gagal memberi kerjasama dalam pelaksanaan penyiasatan oleh DOSM Mengikut Akta ini, maklumat terperinci yang dikumpul adalah sulit dan hanya angka agregat diterbitkan.

1.4 Nota teknikal ini menyediakan penerangan terperinci mengenai konsep, definisi dan metodologi yang digunakan dalam pelaksanaan STB bagi membantu pengguna untuk memahami dengan lebih mendalam berkaitan maklumat pasaran buruh yang dipungut melalui pendekatan isi rumah.

2. OBJEKTIF SURVEI

2.1 Objektif utama STB ialah :

i. mengumpul maklumat berkaitan struktur dan taburan tenaga buruh, guna tenaga dan pengangguran; dan

ii. menyediakan statistik terkini berkaitan situasi pasaran buruh dari aspek penawaran tenaga buruh.

2.2 Statistik daripada survei ini digunakan terutamanya oleh Kerajaan sebagai input dalam merangka strategi pembangunan negara; serta oleh ahli ekonomi, ahli akademik, sektor swasta dan individu bagi tujuan penyelidikan dan analisis.

3. KAEDAH PENGUMPULAN DATA

3.1 STB menggunakan kaedah temu ramah bersemuka dengan responden. Dalam tempoh survei, penemuramah yang dilatih melawat isi rumah di tempat kediaman (TK) terpilih untuk memperoleh maklumat demografi semua ahli isi rumah dan maklumat terperinci berkaitan butir-butir tenaga buruh bagi ahli isi rumah yang berumur 15 tahun dan lebih.

3.2 Semakan kerja luar dibuat untuk mengesan kemungkinan maklumat tertinggal serta membetulkan sebarang kesilapan semasa survei ini dijalankan. Di samping itu, isi rumah terpilih juga ditemuramah semula untuk menyemak kualiti operasi pungutan data.

3.3 Sebanyak 25 peratus daripada panel ulangan terpilih ditemuramah menggunakan kaedah Computer-Assisted Telephone Interviewing (CATI) .

4. SOAL SELIDIK

4.1 Soal selidik survei telah direka bentuk untuk mengumpul maklumat yang relevan berkaitan ciri-ciri sosial dan demografi bagi populasi survei dan maklumat terperinci berkaitan ciri-ciri ekonomi tenaga buruh.

4.2 Semua ahli isi rumah akan ditanya maklumat berikut:

i. perhubungan dengan ketua isi rumah;
ii. jantina;
iii. umur;
iv. etnik dan kewarganegaraan;
v. taraf perkahwinan; dan
vi. pencapaian pendidikan.

4.3 Bagi ahli isi rumah yang berumur 15 tahun dan lebih, **taraf aktiviti** sama ada bekerja, menganggur atau di luar tenaga buruh akan ditentukan.

4.3.1 Maklumat yang dikumpul bagi mereka yang bekerja adalah sama ada bekerja atau tidak semasa minggu rujukan, bilangan jam bekerja, pekerjaan, industri dan taraf pekerjaan. Sekiranya mereka bekerja kurang daripada 30 jam seminggu, sebab sebab dan kesanggupan menerima kerja tambahan juga diperoleh. Jika mereka tidak bekerja semasa minggu rujukan tetapi mempunyai pekerjaan untuk dikerjakan kembali, maka sebab-sebab tidak bekerja akan ditanya.

4.3.2 Soalan-soalan berikut akan ditanya kepada ahli isi rumah yang menganggur:

i. tindakan yang telah diambil untuk mencari kerja;
ii. pengalaman bekerja; dan
iii. tempoh pengangguran.

4.3.3 Ahli isi rumah yang dikelaskan sebagai di luar tenaga buruh pula akan diminta menyatakan sebab-sebab tidak mencari pekerjaan dan sama ada mempunyai pengalaman bekerja.

5. TEMPOH RUJUKAN

Tempoh rujukan survei merujuk kepada **tujuh hari (minggu)** sebelum tarikh permulaan temu ramah iaitu 1 - 7, 8 - 14 dan 15 - 21 hari bulan bagi bulan berkenaan.

6. SKOP DAN LIPUTAN

6.1 STB meliputi kedua-dua kawasan bandar dan luar bandar bagi daerah pentadbiran dalam semua negeri di Malaysia.

6.2 Definisi populasi survei meliputi penduduk yang tinggal di TK persendirian dan **tidak termasuk** mereka yang tinggal di TK institusi seperti hotel, asrama, hospital, penjara, rumah tumpangan dan pekerja yang tinggal di rumah kongsi.

6.3 Walaupun STB tidak meliputi penduduk yang tinggal di TK institusi, tiada pengubahsuaian dilakukan untuk mengasingkan penduduk yang tinggal di TK institusi daripada anggaran penduduk pertengahan tahun selepas banci. Berdasarkan Banci Penduduk dan Perumahan 2010, penduduk yang tinggal di TK institusi adalah kurang daripada empat peratus daripada jumlah penduduk. Peratusan ini adalah kecil dan tidak mempengaruhi anggaran statistik tenaga buruh.

6.4 STB merangkumi penduduk yang aktif dan tidak aktif dalam ekonomi yang berumur **15 hingga 64 tahun** . Penduduk yang aktif dalam ekonomi terdiri daripada mereka yang bekerja atau menganggur, manakala mereka yang tidak aktif dikelaskan sebagai di luar tenaga buruh.

7. RANGKA PENSAMPELAN

7.1 Rangka yang digunakan bagi pemilihan sampel STB 2022 adalah berdasarkan Rangka Pensampelan Isi Rumah yang terdiri daripada blok penghitungan (BP) yang diwujudkan untuk pelaksanaan Banci Penduduk dan Perumahan 2010 dan dikemas kini dari semasa ke semasa.

7.2 BP merupakan suatu kawasan muka bumi yang diwujudkan untuk tujuan pelaksanaan operasi pungutan data yang secara puratanya mengandungi antara 80 hingga 120 TK. Semua BP dibentuk dalam lingkungan sempadan yang diwartakan iaitu di dalam daerah pentadbiran, mukim atau kawasan pihak berkuasa tempatan.

7.3 BP dalam rangka pensampelan dikelaskan mengikut kawasan bandar dan luar bandar .

i. **Kawasan bandar**
Kawasan yang diwartakan serta kawasan tepu bina yang bersempadan dengannya dan gabungan kedua-dua kawasan ini mempunyai penduduk seramai 10,000 orang atau lebih semasa Banci Penduduk dan Perumahan 2010.

- **Kawasan tepu bina**

Kawasan yang terletak bersebelahan kawasan yang diwartakan dan mempunyai sekurang-kurangnya 60 peratus penduduk (berumur 15 tahun dan lebih) yang terlibat dalam aktiviti bukan pertanian.

Definisi kawasan bandar juga mengambil kira kawasan pembangunan khusus iaitu kawasan pembangunan yang tidak diwartakan dan boleh dikenal pasti serta terpisah dari kawasan yang diwartakan atau kawasan tepu bina melebihi 5km dan mempunyai penduduk sekurang-kurangnya 10,000 orang dengan 60 peratus penduduk (berumur 15 tahun dan lebih) terlibat dalam aktiviti bukan pertanian.

ii. Kawasan luar bandar

Kawasan selain yang diwartakan dan mempunyai jumlah penduduk kurang daripada 10,000 orang serta kawasan yang tidak diwartakan.

7.4 Pembandaran merupakan proses yang dinamik dan sentiasa berubah mengikut kemajuan dan pembangunan. Oleh itu, kawasan bandar bagi Banci Penduduk dan Perumahan 2000 dan 2010 tidak semestinya merujuk kepada kawasan yang sama kerana kawasan yang memenuhi kriteria bandar akan terus bertambah dan berkembang mengikut masa.

7.5 Klasifikasi kawasan mengikut strata yang digunakan adalah seperti beriku

Strata		Jumlah penduduk dalam kawasan yang diwartakan, tepu bina dan kawasan pembangunan khusus
(i)	**Metropolitan**	75,000 dan lebih
(ii)	**Bandar besar**	10,000 hingga 74,999
(iii)	**Bandar kecil**	1,000 hingga 9,999
(iv)	**Luar bandar**	Kawasan selebihnya

7.6 Bagi tujuan pensampelan, klasifikasi kawasan seperti di perkara 7.5 adalah digunakan untuk semua negeri serta Wilayah Persekutuan. Bagi Sabah dan Sarawak, memandangkan masalah kesukaran untuk akses ke kawasan pedalaman, strata luar bandar dikembangkan lagi berdasarkan kepada jangka waktu yang diambil untuk sampai ke sesuatu tempat dari pusat bandar yang terdekat.

7.7 Bagi tujuan penjadualan laporan, strata-strata dicantumkan seperti berikut:

Bandar = Metropolitan + Bandar besar
Luar bandar = Bandar kecil + Keseluruhan luar bandar

8. REKA BENTUK PENSAMPELAN

8.1 Reka bentuk pensampelan berstrata dua peringkat telah digunakan. Pembentukan strata adalah seperti berikut:

Strata utama	Meliputi semua negeri di Malaysia
Strata kedua	Meliputi semua daerah pentadbiran mengikut negeri di Malaysia
Strata ketiga	Meliputi bandar dan luar bandar

8.2 Pemilihan sampel dilakukan pada peringkat BP dengan menggunakan kaedah Pensampelan Rawak Sistematik. Seterusnya sampel TK dipilih dari BP yang terpilih menggunakan kaedah sistematik melalui penjanaan nombor rawak dan menetapkan selang pemilihan supaya setiap TK mempunyai kebarangkalian yang sama untuk terpilih. Prosedur ini dilaksanakan secara teratur dan saintifik untuk menghasilkan sampel yang tidak pincang (unbiased) dan boleh mewakili keseluruhan populasi isi rumah di Malaysia.

9. SAIZ SAMPEL

9.1 Saiz sampel survei perlu mewakili populasi mengikut keperluan peringkat analisis yang ditetapkan. Saiz sampel survei ini telah mengambil kira elemen berikut:

i. peringkat reka bentuk pensampelan;
ii. kadar penyertaan tenaga buruh;
iii. ralat yang disasarkan ; dan
iv. kadar respons .

Faktor yang dipertimbangkan bagi memuktamadkan saiz sampel adalah kos, masa dan sumber manusia.

9.2 Agihan saiz sampel dalam STB 2022 adalah seperti berikut:

Negeri	Bilangan BP Terpilih	Bilangan TK Terpilih
Johor	1,164	9,312
Kedah	1,020	8,160
Kelantan	804	6,432
Melaka	468	3,744
Negeri Sembilan	732	5,856
Pahang	912	7,296
Pulau Pinang	1,056	8,448
Perak	300	2,400

Perlis	660	5,280
Selangor	1,452	11,616
Terengganu	1,476	11,808
Sabah	1,140	9,120
Sarawak	684	5,472
W.P. Kuala Lumpur	456	3,648
W.P. Labuan	132	1,056
W.P. Putrajaya	144	1,152
Malaysia	**12,600**	**100,800**

10. PROSEDUR PENGANGGARAN

10.1 Anggaran penduduk semasa mengikut ciri-ciri kumpulan umur, jantina, kewarganegaraan, etnik dan negeri digunakan sebagai penanda aras dalam penyediaan statistik tenaga buruh melalui **teknik anggaran nisbah bergabung** iaitu *adjusted weight* dan faktor penduduk.

i. **Adjusted weight**
Adjusted weight digunakan bagi mengambil kira kes tidak respons.

ii. **Faktor penduduk**
Dalam reka bentuk pensampelan berperingkat, saiz sampel adalah pembolehubah rawak dan jumlah agregat yang dianggar daripada penyiasatan boleh menghasilkan ralat pensampelan yang tinggi. Wajaran external digunakan untuk memberikan ralat pensampelan yang minimum. Wajaran external yang digunakan dalam Survei Tenaga Buruh ialah faktor penduduk. Faktor penduduk diperoleh melalui anggaran terkini jumlah penduduk yang mana ia digunakan untuk mengubahsuai kadar dan nisbah yang dianggarkan daripada survei.

10.2 Dua jenis statistik penduduk disediakan oleh DOSM iaitu:

i. **Unjuran penduduk** bagi menunjukkan saiz dan struktur penduduk jangka panjang berasaskan andaian tertentu mengenai trend kesuburan, mortaliti dan migrasi. Statistik ini digunakan sebagai input dalam membuat perancangan dan penggubalan dasar pada masa hadapan.

ii. **Anggaran penduduk** semasa bagi menggambarkan saiz populasi pada masa kini dan disediakan secara tahunan berasaskan data semasa kelahiran, kematian dan migrasi.

10.3 Mulai penerbitan STB 2015, statistik tenaga buruh dianggarkan berasaskan anggaran penduduk pertengahan tahun 2015 berbanding pendekatan terdahulu menggunakan

unjuran penduduk. Oleh itu, data tahun 2022 turut dikemas kini berasaskan anggaran penduduk semasa terkini.

11. KONSEP DAN DEFINISI

11.1 Had umur bekerja bagi sesebuah negara ditentukan berdasarkan struktur umur penduduk negara tersebut yang aktif dalam ekonomi. Umur bekerja bagi analisis STB di Malaysia merujuk kepada ahli isi rumah yang berumur **15 hingga 64 tahun** semasa minggu rujukan, sama ada berada di dalam tenaga buruh atau di luar tenaga buruh .

11.2 STB menggunakan pendekatan **taraf sebenar** yang mana seseorang itu dikelaskan berasaskan kegiatannya dalam tenaga buruh semasa minggu rujukan. Taraf aktiviti ini terbahagi kepada kategori berikut:

i. Tenaga buruh

Tenaga buruh merujuk kepada penduduk dalam kumpulan umur bekerja sama ada **bekerja** atau **menganggur.**

ii. Bekerja

Semua orang yang bekerja sekurang-kurangnya sejam semasa minggu rujukan untuk mendapatkan upah, keuntungan atau keuntungan keluarga sama ada sebagai majikan, pekerja, bekerja sendiri atau pekerja keluarga tanpa gaji. Mereka juga dianggap bekerja jika:

a. tidak bekerja semasa minggu rujukan disebabkan sakit, kecederaan, tiada upaya, cuaca buruk, bercuti, pertelingkahan buruh dan sebab-sebab sosial atau keagamaan tetapi mempunyai pekerjaan, ladang, perusahaan atau perusahaan keluarga lain untuk kembali bekerja.

b. tidak bekerja buat sementara waktu tetapi bergaji dan pasti akan dipanggil bekerja semula.

c. Bekerja **kurang daripada 30 jam** semasa minggu rujukan disebabkan bentuk kerja atau disebabkan kurang kerja dan berkeupayaan serta sanggup menerima tambahan bilangan jam bekerja. Kumpulan ini merupakan guna tenaga tidak penuh.

d. Mereka yang bekerja dalam kategori guna tenaga tidak penuh:
   - **guna tenaga tidak penuh berkaitan masa** merupakan kumpulan yang bekerja kurang daripada 30 jam semasa minggu rujukan disebabkan keadaan kerja yang tidak mencukupi dan berkeupayaan serta sanggup menerima tambahan bilangan jam bekerja.

- **guna tenaga tidak penuh berkaitan kemahiran** merujuk kepada mereka yang mempunyai pendidikan tertiari dan bekerja dalam kategori separuh mahir dan berkemahiran rendah.

Mereka yang bekerja **lebih daripada 30 jam** semasa minggu rujukan merupakan **guna tenaga penuh.**

iii. **Menganggur**

Penganggur adalah mereka yang tidak bekerja semasa minggu rujukan dan dikelaskan kepada dua kumpulan iaitu penganggur aktif dan penganggur tidak aktif.

Penganggur aktif adalah mereka yang bersedia untuk bekerja dan aktif mencari pekerjaan dalam minggu rujukan.

Penganggur tidak aktif adalah mereka yang berada dalam kategori berikut:

a. tidak mencari pekerjaan dalam minggu rujukan kerana percaya tidak terdapat pekerjaan atau pun tidak berkelayakan;
b. mungkin mencari pekerjaan jika tidak kerana sakit atau keadaan cuaca; dan
c. telah mencari pekerjaan sebelum minggu rujukan dan sedang menunggu jawapan permohonan pekerjaan.

iv. **Luar tenaga buruh**

Penduduk yang tidak dikelaskan sebagai bekerja atau menganggur dikategorikan sebagai luar tenaga buruh. Kategori ini terdiri daripada suri rumah, pelajar (termasuk mereka yang akan melanjutkan pelajaran), mereka yang telah bersara, tidak berkeupayaan dan mereka yang tidak berminat untuk mencari pekerjaan.

11.3 Jam bekerja

Merujuk kepada jumlah jam bekerja semasa tempoh rujukan.

11.4 Tempat kediaman

Tempat kediaman adalah suatu struktur yang dibina **berasingan** dan **bebas** yang lazimnya digunakan sebagai tempat tinggal.

i. **Berasingan**

Struktur dianggap berasingan jika ia dikelilingi oleh dinding, pagar dan lain-lain serta ditutupi oleh bumbung.

ii. **Bebas**

Struktur dikatakan bebas apabila ia mempunyai jalan masuk terus dari laluan umum, tempat lalu lintas atau ruang lapang (iaitu penghuni boleh masuk atau keluar dari tempat kediaman mereka tanpa melalui perkarangan orang lain).

11.5 Isi rumah

Seorang atau sekumpulan orang yang bersaudara atau tidak bersaudara yang biasanya tinggal bersama dalam satu **tempat kediaman** serta membuat peruntukan (perbelanjaan) secara bersama untuk makanan dan keperluan hidup yang lain.

11.6 Ahli biasa

Ahli biasa ialah ahli yang telah atau akan tinggal di tempat kediaman terpilih bagi tempoh sekurang-kurangnya tiga bulan.

11.7 Kumpulan etnik

Kumpulan etnik dikategorikan di kalangan warganegara Malaysia setelah mengasingkan bukan warganegara. Pengelasan tersebut adalah seperti berikut:

i. Warganegara Malaysia
   a. Bumiputera
   b. Cina
   c. India
   d. Lain-lain

ii. Bukan warganegara Malaysia

11.8 Taraf perkahwinan

i. **Tidak pernah berkahwin**
   Merujuk kepada mereka yang belum pernah berkahwin pada masa temu ramah.

ii. **Berkahwin**
   Merujuk kepada mereka yang masih berkahwin pada masa temu ramah. Istilah 'perkahwinan' adalah termasuk perkahwinan mengikut undang-undang atau peraturan keagamaan atau pun tinggal bersama atas persetujuan bersama.

iii. **Balu/ duda**
   Merujuk kepada mereka yang belum berkahwin semula selepas kematian suami/ isteri pada masa temu ramah.

iv. **Bercerai/ berpisah tetap**
   Merujuk kepada mereka yang perkahwinannya telah dimansuhkan melalui perceraian mengikut undang-undang atau peraturan keagamaan atau tidak lagi tinggal bersama bagi satu jangka masa yang lama dan tiada kemungkinan untuk bersatu semula.

11.9 Pencapaian pendidikan

Merujuk kepada peringkat tertinggi seseorang itu telah menamatkan atau sedang mengikuti persekolahan di institusi pendidikan awam atau swasta yang menyediakan pendidikan rasmi dan dikategorikan seperti berikut:

i. **Tiada pendidikan rasmi**

Merujuk kepada mereka yang tidak pernah menghadiri mana-mana institusi pendidikan yang memberi pendidikan secara rasmi.

ii. **Rendah**

Merujuk kepada mereka yang telah mencapai pendidikan tertinggi di peringkat Tahun 1 hingga 6 atau yang setaraf.

iii. **Menengah**

Merujuk kepada mereka yang telah mencapai pendidikan tertinggi di peringkat Tingkatan 1 hingga 5 (termasuk kelas peralihan), General Certificate of Education (GCE) O Level atau yang setaraf. Ini termasuk program kemahiran asas di institusi latihan kemahiran khusus dan teknikal dengan tempoh pengajian sekurang-kurangnya enam bulan.

iv. **Tertiari**

Merujuk kepada mereka yang telah mencapai pendidikan tertinggi selepas Tingkatan 5.

11.10 Sijil tertinggi diperoleh

Merujuk kepada sijil tertinggi diperoleh daripada institusi pendidikan awam atau swasta yang menyediakan pendidikan rasmi dan disesuaikan berasaskan ***International Standard Classification of Education (ISCED–2011)*** seperti berikut:

i. **UPSR/ UPSRA atau yang setaraf**

Merujuk kepada Ujian Penilaian Sekolah Rendah/Ujian Penilaian Sekolah Rendah Agama atau yang setaraf.

ii. **PT3/ PMR/ SRP/ LCE/ SRA atau yang setaraf**

Merujuk kepada Pentaksiran Tingkatan 3, Penilaian Menengah Rendah, Sijil Rendah Pelajaran, Lower Certificate of Education, Sijil Rendah Agama atau yang setaraf.

iii. **SPM atau yang setaraf**

Merujuk kepada Sijil Pelajaran Malaysia atau yang setaraf (Senior Cambridge Certificate, GCE O Level dan Sijil Pelajaran Vokasional Malaysia). Ini termasuk sijil kemahiran asas yang diperoleh daripada institusi latihan teknikal dan kemahiran khusus yang mana tempoh pengajian adalah sekurang-kurangnya enam bulan seperti sijil GIATMARA.

iv. **STPM atau yang setaraf**

Merujuk kepada Sijil Tinggi Persekolahan Malaysia, Higher School Certificate atau kelulusan yang setaraf (Sijil Tinggi Agama dan GCE A Level).

v. **Sijil**

Merujuk kepada sijil yang diperoleh daripada kolej, politeknik atau institusi-institusi lain yang menawarkan pendidikan rasmi. Tempoh pensijilan adalah tidak kurang dari enam bulan.

vi. **Diploma**

Merujuk kepada diploma atau sijil yang setaraf dengannya dan diperoleh selepas kategori iii, iv atau v daripada universiti, kolej, maktab atau politeknik sebelum peringkat ijazah.

vii. **Ijazah**

Merujuk kepada ijazah (Ijazah Sarjana Muda, Sarjana atau Doktor Falsafah) yang diperoleh daripada institusi pengajian tinggi awam atau swasta atau yang setaraf.

viii. **Tiada sijil**

Merujuk kepada mereka yang masih bersekolah atau telah tamat persekolahan tanpa memperoleh sebarang sijil.

ix. **Tidak berkenaan**

Merujuk kepada mereka yang tiada pendidikan rasmi.

11.11 Taraf pekerjaan

Merujuk kepada **kedudukan atau tara**f seseorang yang bekerja di dalam pertubuhan atau organisasi di mana beliau bekerja dan disesuaikan berasaskan ***International Classification of Status in Employment (ICSE-93).*** Penduduk bekerja dikelaskan mengikut taraf pekerjaan seperti berikut:

i. **Majikan**

Seorang yang menjalankan sesuatu perniagaan, perusahaan ladang atau perniagaan lain dan menggaji seorang pekerja atau lebih untuk menolongnya.

ii. **Pekerja**

Seorang yang bekerja untuk majikan sektor awam atau swasta dan menerima ganjaran tetap seperti upah, gaji, komisen, tip atau ganjaran berbentuk mata benda.

iii. **Bekerja sendiri**

Seorang yang mengusahakan ladang, perniagaan atau perusahaan sendiri tanpa menggaji pekerja di ladang, perniagaan atau perusahaannya.

iv. **Pekerja keluarga tanpa gaji**

Seorang yang bekerja tanpa menerima sebarang bayaran atau upah di ladang, perniagaan atau perusahaan yang dijalankan oleh ahli keluarganya yang lain.

11.12 Pekerjaan

i. Pekerjaan bagi data STB 2011–2015 dikelaskan mengikut klasifikasi **Piawaian Pengelasan Pekerjaan Malaysia (MASCO) 2008** berasaskan ***International Standard Classification of Occupations (ISCO - 08)*** seperti berikut:

1 – Pengurus
2 – Profesional
3 – Juruteknik dan profesional bersekutu
4 – Pekerja sokongan perkeranian
5 – Pekerja perkhidmatan dan jualan
6 – Pekerja mahir pertanian, perhutanan dan perikanan
7 – Pekerja kemahiran dan pekerja pertukangan yang berkaitan
8 – Operator loji dan mesin serta pemasang
9 – Pekerjaan asas

ii. Mulai data STB 2016 - 2021, pekerjaan dikelaskan mengikut **MASCO 2013** yang masih lagi berasaskan ISCO - 08 tetapi ditambahbaik selaras dengan transformasi proses kerja, bidang pengkhususan suatu tugasan dan kemahiran yang lebih kompleks dan dinamik. Pengelasan pekerjaan berasaskan MASCO 2013 adalah seperti berikut:

1 – Pengurus
2 – Profesional
3 – Juruteknik dan profesional bersekutu
4 – Pekerja sokongan perkeranian
5 – Pekerja perkhidmatan dan jualan
6 – Pekerja mahir pertanian, perhutanan, penternakan, dan perikanan
7 – Pekerja kemahiran dan pekerja pertukangan yang berkaitan
8 – Operator mesin dan loji, dan pemasang
9 – Pekerja asas

iii. Pekerjaan bagi data STB 2022 dikelaskan mengikut klasifikasi **Piawaian Pengelasan Pekerjaan Malaysia (MASCO) 2020** berasaskan ***International Standard Classification of Occupations (ISCO)*** seperti berikut:

0 – Angkatan tentera
1 – Pengurus
2 – Profesional
3 – Juruteknik dan profesional bersekutu
4 – Pekerja sokongan perkeranian
5 – Pekerja perkhidmatan dan jualan
6 – Pekerja mahir pertanian, perhutanan dan perikanan
7 – Pekerja kemahiran dan pekerja pertukangan yang berkaitan
8 – Operator loji dan mesin serta pemasang
9 – Pekerjaan asas

iv. 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, pekerjaan di mana dia telah bekerja paling lama dianggap sebagai pekerjaan utamanya.

11.13 **Industri**

i. Industri dikelaskan mengikut **Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 versi 1.0** berasaskan I***nternational Standard Industrial Classification of All Economic Activities (ISIC) Revision 4.***

ii. Pengelasan industri seseorang merujuk kepada yang berkaitan dengan pekerjaan utamanya.

iii. STB tidak mengelaskan aktiviti pengeluaran barangan dan perkhidmatan sara hidup untuk kegunaan isi rumah sendiri sebagai penduduk yang aktif dalam ekonomi. Oleh itu, klasifikasi MSIC 2008 bagi industri **Aktiviti isi rumah sebagai majikan; aktiviti mengeluarkan barangan dan perkhidmatan yang tidak dapat dibezakan oleh isi rumah untuk kegunaan sendiri** hanya mengambil kira **Aktiviti isi rumah sebagai majikan.**

iv. Sektor dalam ringkasan penemuan di muka surat 8 merupakan klasifikasi semula industri seperti berikut:

Sektor	MSIC 2008
Pertanian	Pertanian, perhutanan dan perikanan
Perlombongan & pengkuarian	Perlombongan dan pengkuarian
Pembuatan	Pembuatan
Pembinaan	Pembinaan

Perkhidmatan	Bekalan elektrik, gas, wap dan pendingin udara
	Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan
	Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal
	Pengangkutan dan penyimpanan
	Penginapan dan aktiviti Perkhidmatan makanan dan minuman
	Maklumat dan komunikasi
	Aktiviti kewangan dan insurans/takaful
	Aktiviti hartanah
	Aktiviti professional, saintifik dan teknikal
	Aktiviti pentadbiran dan khidmat sokongan
	Pentadbiran awam dan pertahanan; aktiviti kesela-matan sosial wajib
	Pendidikan
	Aktiviti kesihatan kemanusiaan dan kerja sosial
	Kesenian, hiburan dan rekreasi
	Aktiviti perkhidmatan lain
	Aktiviti isi rumah sebagai majikan
	Aktiviti badan dan pertubuhan luar wilayah

11.14 Kadar penyertaan tenaga buruh

Aktiviti ekonomi penduduk pada keseluruhannya bergantung kepada ciri-ciri demografi sesuatu populasi. Dengan itu, pecahan mereka yang aktif secara ekonomi berbeza di antara kumpulan-kumpulan kecil penduduk tersebut. Perbezaan ini diukur dengan kadar aktiviti tertentu yang dikenali sebagai **kadar penyertaan tenaga buruh.**

Kadar penyertaan tenaga buruh ditakrifkan sebagai perkadaran penduduk dalam tenaga buruh kepada penduduk dalam umur bekerja (15 - 64 tahun) dalam bentuk peratusan. Formulanya adalah seperti berikut:

$$\text{Kadar penyertaan tenaga buruh} = \frac{\text{Bilangan penduduk dalam tenaga buruh}}{\text{Bilangan penduduk umur bekerja (15 - 64 tahun)}} \times 100$$

11.15 Kadar pengangguran

Kadar pengangguran ialah perkadaran penduduk yang menganggur kepada jumlah penduduk di dalam tenaga buruh. Kadar ini mengukur peratus penduduk di dalam tenaga buruh yang tidak bekerja. Kadar pengangguran dikira menggunakan formula berikut:

$$\text{Kadar pengangguran} = \frac{\text{Bilangan penganggur}}{\text{Bilangan penduduk dalam tenaga buruh}} \times 100$$

11.16 Nisbah guna tenaga kepada penduduk

Nisbah guna tenaga kepada penduduk adalah perkadaran penduduk yang bekerja kepada jumlah penduduk dalam kumpulan umur bekerja. Nisbah yang tinggi menunjukkan perkadaran penduduk bekerja yang tinggi bagi negara manakala nisbah yang rendah menunjukkan sebahagian besar daripada penduduk tidak terlibat secara langsung dalam aktiviti pasaran kerana menganggur atau berada di luar tenaga buruh. Formulanya adalah seperti berikut:

$$\text{Nisbah guna tenaga kepada penduduk} = \frac{\text{Bilangan penduduk bekerja}}{\text{Bilangan penduduk umur bekerja (15 - 64 tahun)}} \times 100$$

12. KEBOLEHPERCAYAAN STATISTIK

Statistik yang dijana berdasarkan survei yang dijalankan secara sampel berkebarangkalian ini tertakluk kepada dua jenis ralat iaitu ralat pensampelan dan ralat bukan pensampelan.

i. Ralat pensampelan

Ralat pensampelan berpunca daripada anggaran data berasaskan survei sampel berkebarangkalian berbanding populasi. Ralat ini boleh diukur dengan menggunakan **Ralat Piawai Relatif (*Relative Standard Error* [RSE])** dan dinyatakan dalam bentuk peratusan. Ia digunakan sebagai penunjuk kepada kepersisan anggaran parameter yang dikaji. Ini memberi gambaran tahap variasi pembolehubah yang dianggarkan melalui survei berbanding dengan parameter populasi.

Anggaran ralat pensampelan telah dikira secara berasingan untuk beberapa pembolehubah penting bagi peringkat nasional dan negeri seperti di Jadual S1 hingga S3. Sebagai contoh, berasaskan STB 2022, kadar penyertaan tenaga buruh Malaysia ialah 69.3 peratus, dengan RSE 0.15 peratus, iaitu ralat piawai (Standard Error) ialah 0.21 peratus. Pada 95 peratus selang keyakinan ($\alpha = 0.05$), kadar penyertaan tenaga buruh berada di antara 69.0 - 69.5 peratus.

ii. Ralat bukan pensampelan

Ralat ini boleh berpunca daripada liputan survei yang tidak lengkap, kelemahan rangka, ralat maklum balas, tiada respons dan kesilapan semasa prosesan sama ada di peringkat penyuntingan, pengekodan atau tangkapan data. Bagi memastikan kualiti data berada pada tahap yang tinggi, beberapa langkah pentadbiran telah diambil supaya ralat bukan pensampelan adalah di tahap minimum. Antaranya adalah melalui latihan intensif kepada penyelia dan penemuramah. Selain itu, penyeliaan yang rapi dan semakan kualiti secara

rawak dijalankan ke atas isi rumah yang diliputi untuk memastikan kesahihan maklum balas yang dicatatkan.

Bagi mengatasi kes tiada respons yang berpunca daripada beberapa sebab seperti TK kosong, tiada penghuni di rumah, enggan kerjasama atau TK tidak layak diliputi dalam survei, maka penganggaran saiz sampel survei ini telah mengambil kira semua kemungkinan tersebut.

Pengemaskinian rangka pensampelan yang dilaksanakan dari semasa ke semasa telah dapat mengurangkan kadar tiada respons yang berpunca daripada TK kosong. Publisiti yang meluas dilaksanakan melalui media elektronik serta media cetak bagi mengurangkan kes tiada penghuni di rumah dan enggan kerjasama.

Di peringkat prosesan data, semakan konsistensi bagi setiap pembolehubah dan proses validasi telah dilaksanakan secara sistematik bagi meminimumkan kesemua jenis ralat bukan pensampelan.

13. PERSEMBAHAN STATISTIK

13.1 Statistik di dalam laporan ini dipersembahkan pada peringkat nasional dan negeri. Statistik di peringkat nasional meliputi tajuk berikut:

i. kadar penyertaan tenaga buruh;
ii. tenaga buruh;
iii. nisbah guna tenaga kepada penduduk
iv. penduduk bekerja;
v. kadar pengangguran;
vi. pengangguran; dan
vii. penduduk luar tenaga buruh.

Statistik peringkat negeri yang disusun dalam laporan ini terdiri daripada tiga belas buah negeri dan tiga Wilayah Persekutuan meliputi tajuk berikut:

i. kadar penyertaan tenaga buruh;
ii. tenaga buruh;
iii. nisbah guna tenaga kepada penduduk; dan
iv. penduduk bekerja.

13.2 Siri masa 1982 - 2022 memaparkan statistik utama tenaga buruh. Tiada data bagi tahun 1991 dan 1994 kerana STB tidak dilaksanakan pada tahun berkenaan. Manakala, siri masa 2018 - 2022 memaparkan statistik KPTB, tenaga buruh dan penduduk bekerja mengikut ciri-ciri demografi dan sosioekonomi terpilih.

TECHNICAL NOTES

1. INTRODUCTION

1.1 The statistics published in this report is based on Labour Force Survey (LFS) conducted by Department of Statistics, Malaysia. The implementation of LFS is based on guidelines and recommendations of the ***International Labour Organization (ILO) with reference to the Surveys of Economically Active Population, Employment, Unemployment and Underemployment: An ILO Manual on Concepts and Methods.***

1.2 The survey which is carried out every month provided statistics of labour force, employment and unemployment at the national and state levels as well as urban and rural areas. The comprehensive and systematic approach in data collection and processing has been maintained over a period of time in order to obtain comparable time series statistics.

1.3 The information obtained from LFS is gathered under the provisions of the ***Statistics Act 1965 (Revised 1989). Section 6*** *of this Act requires any individuals to provide actual information or best estimates to DOSM. Meanwhile,* ***Section 7*** *of this Act allows respondents whom refuse to cooperate in the undertaking of the survey to be penalised. The Act stipulated that the detailed information gathered is confidential and only aggregated figures are published.*

1.4 This technical note comprises of detailed explanation on concepts, definition and methodology used to conduct LFS to assist users to better understand labour market information obtained via household approach.

2. OBJECTIVES OF THE SURVEY

2.1 The main objectives of LFS are:

i. to collect information on the structure and distribution of labour force, employment and unemployment; and

ii. to provide the latest statistics in relation to labour market situation from the perspective of labour supply.

2.2 The statistics from this survey is utilised especially by the Government as an input in planning national developments strategies; as well as by economists, academicians, private sector and individuals for the purpose of research and analysis.

3. METHOD OF DATA COLLECTION

3.1 LFS uses the personal interview method. During the survey period, trained interviewers visit households in selected living quarters (LQs) to collect demographic information on all household members and labour force particulars of household members aged 15 years and over.

3.2 Field checks are undertaken to identify and correct any possibility of errors or omissions at the time when the survey is conducted. In addition to this, selected households are interviewed again to check the quality of data collection operation.

3.3 25 per cent repeated panels were interviewed via Computer-Assisted Telephone Interviewing (CATI) .

4. QUESTIONNAIRE

4.1 The survey questionnaire is designed to collect the relevant information on social and demographic characteristics of the survey population and detailed information on economic characteristics of the labour force.

4.2 All household members will be asked the following information:

- *i. relationship to the head of household;*
- *ii. sex;*
- *iii. age;*
- *iv. ethnic and citizenship;*
- *v. marital status; and*
- *vi. educational attainment.*

*4.3 For those aged 15 years and over, their **activity status** either employed, unemployed or outside labour force will be determined.*

4.3.1 Information collected from those who are employed include whether they had been working or not during the reference week, the number of hours worked, occupation, industry and status in employment. If they have worked less than 30 hours per week, reasons and willingness to accept additional work is also obtained. If they have not been working during the reference week but have a job to return to, the reasons for not working will be asked.

4.3.2 The following questions will be asked to household members who are unemployed:

- *i. action taken to look for work;*
- *ii. work experience; and*
- *iii. duration of unemployment.*

4.3.3 Household members who are classified as outside labour force will be asked to state the reasons for not seeking work and whether or not they have any working experience.

5. REFERENCE PERIOD

*The reference period of the survey refers to **seven days (week)** preceding the commencement date of the interviews which are 1 - 7, 8 - 14 and 15 - 21 of the respective month.*

6. SCOPE AND COVERAGE

6.1 The LFS covers both urban and rural areas for all administrative districts within all states in Malaysia.

*6.2 The survey population is defined to cover persons who live in private LQs; hence **excludes** persons residing in institutional LQs such as hotels, hostels, hospitals, prisons, boarding houses, and workers residing in construction work site.*

6.3 Although the LFS did not cover the institutional population, no attempt was made to adjust for the exclusion of the population living in institutional LQs from the independent mid-year post census population estimates. Based on the 2010 Population and Housing Census, those living in institutional LQs was less than four per cent of the total population. This percentage was small and did not affect the estimates of labour force statistics.

*6.4 This survey comprises the economically active and inactive population between the age of **15 to 64 years** . The economically active population are those who are either employed or unemployed while those who are inactive are classified as outside labour force.*

7. SAMPLING FRAME

7.1 The frame used for the selection of sample for LFS 2022 is based on the Household Sampling Frame which is made up of enumeration blocks (EBs) created for the 2010 Population and Housing Census and was updated from time to time.

7.2 EBs are geographically contiguous areas of land with identifiable boundaries created for survey operation purposes, which on average contains about 80 to 120 LQs. All EBs are formed within gazetted boundaries, i.e. within administrative districts, mukim or local authority areas.

7.3 The EBs in the sampling frame are also classified into urban and rural areas .

*i. **Urban areas***

Gazetted areas with their adjoining built-up areas with combined population of 10,000 or more at the time of the 2010 Population and Housing Census.

- ***Built-up areas***

  Areas contiguous to a gazetted area with at least 60 per cent of the population (aged 15 years and over) engaged in non-agricultural activities.

The definition of urban areas also takes into account the special development area namely the development area which is not gazetted and can be identified and separated from the gazetted area or built-up area of more than 5km with population of at least 10,000 persons where 60 per cent of the population (aged 15 years and over) were involved in non-agricultural activities.

ii. ***Rural areas***

All other gazetted areas with population of less than 10,000 persons and non-gazetted areas.

7.4 Urbanisation is a dynamic process and keeps changing in line with progress and development. Thus, the urban areas for the Population and Housing Census 2000 and 2010 do not necessarily refer to the same areas, as areas fulfilling the criteria of urban continue to increase or grow with time.

7.5 The calssification of area by strata is as follows:

Strata	Population of gazetted, adjoining built-up areas and special development area
(i) Metropolitan	*75,000 and above*
(ii) Urban large	*10,000 to 74,999*
(iii) Urban small	*1,000 to 9,999*
(iv) Rural	*All other areas*

7.6 For sampling purposes, classification of area as stated in item 7.5 is used for all states and federal territories. For Sabah and Sarawak, due to inaccessibility, the rural strata had to be further stratified based on the time taken to reach the area from the nearest urban centre.

7.7 For purposes of tabulation, the strata were combined as follows:

Urban = Metropolitan + Urban large
Rural = Urban small + All rural

8. SAMPLE DESIGN

8.1 A two-staged stratified sampling design is adopted. The level of stratification is as follows:

Primary strata	*Covered all state in Malaysia*
Secondary strata	*Covered all administrative districts by state in Malaysia*
Tertiary strata	*Covered urban and rural strata*

8.2 The selections of samples have been done EBs level using Systematic Random Sampling Method. Then, sample for LQs were selected from the selected EBs by using systematic method that generate random number and interval class to ensure every LQs have an equal probability to be selected as a sample. This procedure is performed systematically and scientifically to produce unbiased sample and can represent the entire population of households in Malaysia.

9. SAMPLE SIZE

9.1 *The sample size for this survey is required to represent overall population at the fixed level of analysis. This sample size has accounted for the following elements:*

i. level of sampling design;
ii. labour force participation rate;
iii. the desired error; and
iv. response rates.

Factors that are taken into consideration to finalise the sample size are cost, time and human resources.

9.2 *The distribution of sample size for the 2022 LFS are as follows:*

State	Number of selected EBs	Number of selected LQs
Johor	1,164	9,312
Kedah	1,020	8,160
Kelantan	804	6,432
Melaka	468	3,744
Negeri Sembilan	732	5,856
Pahang	912	7,296
Pulau Pinang	1,056	8,448
Perak	300	2,400
Perlis	660	5,280
Selangor	1,452	11,616
Terengganu	1,476	11,808
Sabah	1,140	9,120
Sarawak	684	5,472
W.P. Kuala Lumpur	456	3,648
W.P. Labuan	132	1,056
W.P. Putrajaya	144	1,152
Malaysia	**12,600**	**100,800**

10. ESTIMATION PROCEDURES

*10.1 Current population estimates by age group, sex, citizenship, ethnicity and state were used as the benchmark to produce labour statistics through **combined ratio estimated method** which are adjusted weight and population factor.*

*i. **Adjusted weight***
Adjusted weight is used to take into account the non-response cases.

*ii. **Population factor***
In multi-stage sampling design, the sample size is a random variable and aggregates directly estimated from the survey can have large sampling errors. External weight is used to minimise sampling error. The external weight used in Labour Force Survey is the population factor. The population factor is obtained through up-to-date estimates of population totals which is used to inflate the various rates and ratios estimated from the survey.

10.2 Two types of population statistics produced by DOSM are:

*i. **population projection** to indicate the size and structure of the population in the long term based on certain assumption on the trend of fertility, mortality and migration. These statistics are used as input to formulate future plans and policies.*

*ii. **current population estimates** to illlustrate the size of the current population and is prepared annually based on the recent data on birth, death and migration.*

10.3 Starting with the 2015 LFS, the labour force statistics were estimated based on the current population estimates compared to the previous approach which used population projection. Therefore, the data for 2022 was also updated based on the latest current population estimates.

11. CONCEPTS AND DEFINITIONS

*11.1 The working age limit for a country is determined based on the age structure of the economically active population of the country. Working age for the analysis of LFS in Malaysia refers to household members between the age of **15 to 64 years** during the reference week, who are either in the labour force or outside the labour force .*

*11.2 The LFS uses the **actual status** approach, where a person is classified on the basis of labour force activity during the reference week. The activity status is categorised as follows:*

*i. **Labour force***
All persons in the working age who are either employed or unemployed.

*ii. **Employed***
All persons who, at any time during the reference week worked at least one hour for

pay, profit or family gain either as an employer, employee, own-account worker or unpaid family worker. They are also considered as employed if they:

a. *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.*

b. *were temporary laid-off with pay and would definitely be called back to work.*

c. *were employed **less than 30 hours** during the reference week because of the nature of their work or due to insufficient work and are able and willing to accept additional hours of work. This group is **underemployed.***

d. *were employed in the **underemployment** category:*
   - ***time-related underemployment** were a group of people who employed less than 30 hours during the reference week because of the nature of their work or due to insufficient work and are able and willing to accept additional hours of work.*
   - ***skill-related underemployment** were those with tertiary education and working in the semi-skilled and low-skilled category.*

*Persons who were employed **more than 30 hours** during the reference week are considered to be in **full employment.***

iii. ***Unemployed***

All persons who did not work during the reference week and are classified into two groups that are actively unemployed and inactively unemployed.

*The **actively unemployed** include all persons who were available for work and were actively looking for work during the reference week.*

***Inactively unemployed** persons include those in the following categories:*

a. *did not look for work because they believed no work was available or that they were not qualified;*
b. *would have looked for work if they had not been temporarily ill or had it not been for weather condition; and*
c. *had looked for work prior to the reference week and were waiting for result of job applications.*

iv. ***Outside labour force***

All persons not classified as employed or unemployed are classified as outside labour force. This category consists of housewives, students (including those going for further studies), retirees, disabled person and those not interested in looking for jobs.

11.3 ***Hours worked***

Refers to total number of hours worked during the reference period.

11.4 ***Living quarters***

Living quarters is defined as any separate and independent structures which is constructed and intended as place of abode.

i. ***Separate***

A structure is considered separate if it is surrounded by walls, fence, etc. and is covered by roof.

ii. ***Independent***

A structure is independent if it has direct access via public path, communal passageway or space (that is occupants can come in or go out of their living quarters without passing through others' premises).

11.5 ***Household***

A person or group of people whether related or unrelated who usually live together in a living quarters and make provision (expenses) for food and other necessities of life together.

11.6 ***Ordinary members***

Ordinary members are members who have or will reside in selected residences for a period of at least three months.

11.7 ***Ethnic group***

The ethnic group is categorised within Malaysian citizens after separating those who are non-citizens. The classification is as follows:

i. Malaysian citizens

- *a. Bumiputera*
- *b. Chinese*
- *c. Indians*
- *d. Others*

ii. Non-Malaysian citizens

11.8 ***Marital status***

i. ***Never married***

Refers to those who have never been married at the time of interview.

ii. ***Married***

Refers to persons who are currently married at the time of interview. The term, ' married' includes those married by law or by religious rites or are living together by mutual agreement.

iii. ***Widowed***

Refers to those who have not remarried after the death of the spouses at the time of interview.

iv. ***Divorced/ permanently separated***

Refers to those whose marriages were annulled through divorce by law or religious arrangement or separated for a long duration without any possibility of reconciliation.

11.9 ***Educational attainment***

Refers to the highest level in which a person has completed schooling or is currently attending school in a public or private educational institution that provides formal education and is categorised as follows:

i. ***No formal education***

Refers to persons who have never attended school in any of the educational institutions that provide formal education.

ii. ***Primary***

Refers to those whose highest level of education attained is from Standard 1 to 6 or equivalent.

iii. ***Secondary***

Refers to those whose highest level of education attained is from Form 1 to 5 (including remove class), General Certificate of Education (GCE) O Level or equivalent. This includes basic skill programmes in specific trades and technical skills institutions with the training period of at least six months.

iv. ***Tertiary***

Refers to those whose highest level of education is above Form 5.

11.10 ***Highest certificate obtained***

*Refers to the highest certificate obtained from public or private educational institution that provides formal education and is adapted from the I**nternational Standard Classification of Education (ISCED - 2011)** as follows:*

i. ***UPSR/ UPSRA or equivalent***

Refers to "Ujian Penilaian Sekolah Rendah"/"Ujian Penilaian Sekolah Rendah Agama" or equivalent.

ii. ***PT3/ PMR/ SRP/ LCE/ SRA or equivalent***

Refers to "Pentaksiran Tingkatan 3", "Penilaian Menengah Rendah", "Sijil Rendah Pelajaran", Lower Certificate of Education, "Sijil Rendah Agama" or equivalent.

iii. ***SPM or equivalent***

Refers to "Sijil Pelajaran Malaysia" or equivalent (Senior Cambridge Certificate, GCE O Level and Malaysia Certificate of Vocational Education). This includes basic skill

certificate obtained from specialised technical and skills training institutions whereby the training period is at least six months such as GIATMARA certificate.

iv. ***STPM or equivalent***
Refers to "Sijil Tinggi Persekolahan Malaysia", Higher School Certificate or equivalent ("Sijil Tinggi Agama" and GCE A Level).

v. ***Certificate***
Refers to certificate obtained from college, polytechnic or other institutions which offers formal education. Duration of certification should not be less than six months.

vi. ***Diploma***
Refers to diploma or equivalent certificate obtained after category iii, iv or v from university, college or polytechnic prior to a degree qualification.

vii. ***Degree***
Refers to degree (Bachelor, Masters or Ph.D) obtained from public or private higher institution or equivalent.

viii. ***No certificate***
Refers to those who are currently attending school or who have completed schooling without receiving any certificate.

ix. ***Not applicable***
Refers to those who have no formal education.

11.11 ***Status of employment***
Refers to the ***position or status*** *of an employed person within the establishment or organisation for which he/she worked and is adapted based on the* ***International Classification of Status in Employment (ICSE - 93)****. Employed persons are classified according to the following employment status:*

i. ***Employer***
A person who operates a business, a plantation or other trade and employs one or more workers to help him.

ii. ***Employee***
A person who works for a public or private employer and receives regular remuneration in wages, salary, commission, tips or payment in kind.

iii. ***Own account worker***
A person who operates his own farm, business or trade without employing any paid workers in the conduct of his farm, trade or business.

iv. ***Unpaid family worker***

A person who works without pay or wages on a farm, business or trade operated by another member of the family.

11.12 ***Occupation***

i. *Occupation data of LFS 2011–2015 is classified according to* ***Malaysia Standard Classification of Occupations (MASCO) 2008*** *based on the* ***International Standard Classification of Occupations (ISCO - 08)*** *as follows:*

1 – Managers
2 – Professionals
3 – Technicians and associate professionals
4 – Clerical support workers
5 – Service and sales workers
6 – Skilled agricultural, forestry and fishery workers
7 – Craft and related trades workers
8 – Plant and machine-operators and assemblers
9 – Elementary occupations

ii. *Starting with LFS 2016 - 2021, occupation is classified according to* ***MASCO 2013*** *which was also based on the ISCO–08 but was improved in line with the transformation of work process and areas of specialisation as well as the complexity and dynamics in skills and tasks. The classification of occupation based on MASCO 2013 is as follows:*

1 – Managers
2 – Professionals
3 – Technicians and associate professionals
4 – Clerical support workers
5 – Service and sales workers
6 – Skilled agricultural, forestry, livestock and fishery workers
7 – Craft and related trades workers
8 – Plant and machine-operators and assemblers
9 – Elementary occupations

iii. *Occupation data of LFS 2022 is classified according to* ***Malaysia Standard Classification of Occupations (MASCO) 2020*** *based on the* ***International Standard Classification of Occupations (ISCO)*** *as follows:*

0 – Armed forces occupotion
1 – Managers
2 – Professionals
3 – Technicians and associate professionals
4 – Clerical support workers
5 – Service and sales workers
6 – Skilled agricultural, forestry and fishery workers
7 – Craft and related trades workers
8 – Plant and machine-operators and assemblers
9 – Elementary occupations

iv. *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.***

11.13 Industry

i. *Industry is classified according to the **Malaysia Standard Industrial Classification (MSIC) 2008 version 1.0** based on the **International Standard Industrial Classification of All Economic Activities (ISIC) Revision 4.***

ii. *A person's industry classification refers to the industry of his principal occupation.*

iii. *LFS does not classify the subsistence goods-and services-producing activities of households as persons who are economically active. Therefore, the classification of industry by MSIC 2008 for Activities of households as employers; undifferentiated goods-and services-producing activities of households for own use only accounted for Activities of households as employers.*

iv. *Sectors for the summary of findings and page 18 are the reclassification of industry as follows:*

Sector	MSIC 2008
Agriculture	Agriculture, forestry and fishing
Mining & quarrying	Mining and quarrying
Manufacturing	Manufacturing
Construction	Construction
Services	Electricity, gas, steam and air conditioning supply
	Water supply; sewerage, waste management and remediation activities
	Wholesale and retail trade; repair of motor vehicles and motorcycles
	Transportation and storage
	Accommodation and food and beverage service activities
	Information and communication
	Financial and insurance/takaful activities
	Real estate activities
	Professional, scientific and technical activities
	Administrative and support services activities
	Public administration and defence; compulsory social security
	Education
	Human health and social work activities
	Arts, entertainment and recreation
	Other service activities
	Activities of households as employers
	Activities of extraterritorial organization and bodies

11.14 Labour force participation rate

The economic activity of a population depends on the demographic characteristics of that population. Therefore, the proportion of economically active persons differs between sub-groups of that population. These variations are measured by specific activity rates termed labour force participation rate.

Labour force participation rate is defined as the ratio of the labour force to the working age population (15 - 64 years), expressed as percentage. The formula is as follow:

$$\textbf{Labour force participation rate} = \frac{\textbf{Number of persons in the labour force}}{\textbf{Number of persons in the working age (15 - 64 years)}} \times 100$$

11.15 ***Unemployment rate***

Unemployment rate is the proportion of unemployed population to the total population in labour force. This rate measures the percentage of unemployed population in labour force. Unemployment rate is computed by using the formula below:

$$\textbf{Unemployment rate} = \frac{\textbf{Number of unemployed persons}}{\textbf{Number of persons in the labour force}} \times 100$$

11.16 ***Employment to population ratio***

The employment to population ratio is defined as the proportion of employed population to working-age population. A high ratio means that a large proportion of the country's population is employed while a low ratio means that a large share of the population is not involved directly in market-related activities due to being unemployed or out of the labour force. The formula is as follow:

$$\textbf{Employment to population ratio} = \frac{\textbf{Number of employed persons}}{\textbf{Number of persons in the working age (15 - 64 years)}} \times 100$$

12. RELIABILITY OF STATISTICS

The statistics generated based on survey conducted with probability sampling are subjected to two types of errors namely sampling error and non-sampling errors.

i. ***Sampling error***

Sampling error is a result of estimating data based on probability sampling survey compared to the population. Such error in statistics is termed as Relative Standard Error (RSE) and is expressed in percentage. This error is an indication to the precision of the parameter under study. In other words, it reflects the extent of variation of sample-based estimates compared to the parameter of population.

Sampling errors of estimates on a few important variables at national and state levels are calculated separately as shown in the Tables S1 to S3. For instance based on LFS 2022, the labour force participation rate for Malaysia was 69.3 per cent with an RSE of 0.15 per cent and Standard Error (SE) of 0.21 per cent. At 95 per cent confidence interval ($\alpha = 0.05$), the labour force participation rate was in the range of 69.0-69.5 per cent.

ii. ***Non-sampling error***

The error may rise through incomplete survey coverage, weaknesses in the frame, response errors, non-response errors and also errors during processing either through editing, coding or data capture. To ensure that data is of high quality, several administrative procedures were taken to minimise non-sampling errors. Intensive training was conducted for the supervisors and enumerators. In addition, close supervision and random checks were carried out on households covered by the enumerators to ensure the validity of the recorded information.

In order to resolve the case of non-response error due to several reasons such as vacant house, 'no one at home', refusal to co-operate or unqualified LQ, the sample size estimation for this survey has taken into account all those possibilities.

The survey frame is updated regularly to overcome the problem of non-response due to vacant home. Publicity was carried out widely through electronic and printed media to minimise the case of 'no one at home' and refusal to cooperate.

In addition, at the data processing stage, consistency checking and validation process has been systematically implemented for each variable in order to minimise the non-sampling error.

13. PRESENTATION OF STATISTICS

13.1 The statistics in this report are presented at the national and state level. National level statistics comprises the following topics:

i. labour force participation rate;
ii. labour force;
iii. employment to population ratio;
iv. employed persons;
v. unemployment rate;
vi. unemployment; and
vii. population outside labour force.

The statistics at state level compiled in this report consists of thirteen states and three federal territories and are presented as follows:

i. labour force participation rate;
ii. labour force;
iii. employment to population ratio; and
iv. employed persons.

3.2 The time series for 1982 - 2022 presented the principal labour force statistics. There is no data for 1991 and 1994 since LFS was not conducted for those years. Meanwhile, time series for 2018 - 2022 presented statistics on LFPR, labour force and employed persons by selected demographic and socioeconomic characteristics.

14. ROUNDING OF ESTIMATES

The sum of each category may not always equal to the totals shown in related tables because of independent rounding to one decimal place. However, the differences are not obvious.

15. EMPLOYMENT STATISTICS

The statistics published in this report are based on LFS 2022. Summary of the monthly statistics are also published in the Monthly Statistical Bulletin. The employment statistics from the demand side is also available from economic surveys. However, the concept, definitions and survey methodology used are different compared to LFS.

16. NOTES AND SYMBOLS

-	*Nil/ no cases*
0.0	*Less than half the smallest unit shown. For example, less than 0.05 per cent.*
W.P.	*Wilayah Persekutuan*

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JADUAL RALAT PIAWAIAN RELATIF

RELATIVE STANDARD ERROR TABLES

Jadual S1: Ralat piawai relatif bagi anggaran kadar penyertaan tenaga buruh mengikut negeri dan strata, Malaysia, 2022

Table S1: Relative standard error of estimates for labour force participation rate by state and strata, Malaysia, 2022

Negeri dan strata *State and strata*	Kadar penyertaan tenaga buruh *Labour force participation rate* (%)	Ralat piawai bagi anggaran *Standard error of estimates*		Kadar penyertaan tenaga buruh pada 95% selang keyakinan *Labour force participation rate at 95% confidence interval* (%)		
		Nilai relatif *Relative value* (%)	Ralat piawai *Standard error* (%)			
MALAYSIA						
Jumlah *Total*	69.3	0.15	0.21	68.98	–	69.55
Bandar *Urban*	70.2	0.17	0.24	69.84	–	70.51
Luar bandar *Rural*	65.5	0.25	0.37	65.06	–	66.02
Johor						
Jumlah *Total*	70.9	0.39	0.55	70.14	–	71.67
Bandar *Urban*	71.0	0.45	0.64	70.08	–	71.85
Luar bandar *Rural*	70.6	0.72	1.02	69.23	–	72.05
Kedah						
Jumlah *Total*	63.8	0.49	0.77	62.81	–	64.74
Bandar *Urban*	64.8	0.61	0.93	63.58	–	65.95
Luar bandar *Rural*	60.6	0.73	1.20	59.22	–	62.08
Kelantan						
Jumlah *Total*	58.0	0.50	0.86	57.01	–	58.96
Bandar *Urban*	61.2	0.73	1.19	59.78	–	62.64
Luar bandar *Rural*	53.8	0.63	1.17	52.52	–	54.98

Jadual S1: Ralat piawai relatif bagi anggaran kadar penyertaan tenaga buruh mengikut negeri dan strata, Malaysia, 2022 (samb.)

Table S1: Relative standard error of estimates for labour force participation rate by state and strata, Malaysia, 2022 (cont'd)

Negeri dan strata *State and strata*	**Kadar penyertaan tenaga buruh** *Labour force participation rate* (%)	**Ralat piawai bagi anggaran** *Standard error of estimates*		**Kadar penyertaan tenaga buruh pada 95% selang keyakinan** *Labour force participation rate at 95% confidence interval* (%)		
		Nilai relatif *Relative value* (%)	**Ralat piawai** *Standard error* (%)			
Melaka						
Jumlah *Total*	69.3	0.69	1.00	67.96	–	70.67
Bandar *Urban*	69.5	0.71	1.02	68.13	–	70.92
Luar bandar *Rural*	63.0	2.01	3.18	59.10	–	66.96
Negeri Sembilan						
Jumlah *Total*	64.0	0.67	1.04	62.74	–	65.35
Bandar *Urban*	64.7	0.78	1.20	63.16	–	66.20
Luar bandar *Rural*	61.5	1.17	1.90	59.18	–	63.76
Pahang						
Jumlah *Total*	64.8	0.47	0.73	63.87	–	65.73
Bandar *Urban*	65.3	0.62	0.95	64.10	–	66.54
Luar bandar *Rural*	63.8	0.71	1.12	62.43	–	65.23
Pulau Pinang						
Jumlah *Total*	70.3	0.57	0.81	69.18	–	71.42
Bandar *Urban*	70.6	0.59	0.83	69.46	–	71.76
Luar bandar *Rural*	61.7	2.30	3.72	57.25	–	66.24

Jadual S1: Ralat piawai relatif bagi anggaran kadar penyertaan tenaga buruh mengikut negeri dan strata, Malaysia, 2022 (samb.)

Table S1: Relative standard error of estimates for labour force participation rate by state and strata, Malaysia, 2022 (cont'd)

Negeri dan strata *State and strata*	**Kadar penyertaan tenaga buruh** *Labour force participation rate* (%)	**Ralat piawai bagi anggaran** *Standard error of estimates*		**Kadar penyertaan tenaga buruh pada 95% selang keyakinan** *Labour force participation rate at 95% confidence interval* (%)		
		Nilai relatif *Relative value* (%)	**Ralat piawai** *Standard error* (%)			
Perak						
Jumlah *Total*	65.2	0.51	0.79	64.19	–	66.20
Bandar *Urban*	65.7	0.58	0.88	64.58	–	66.85
Luar bandar *Rural*	63.0	1.10	1.75	60.81	–	65.12
Perlis						
Jumlah *Total*	64.2	0.80	1.24	62.60	–	65.73
Bandar *Urban*	65.2	0.99	1.51	63.27	–	67.13
Luar bandar *Rural*	61.7	1.34	2.16	59.10	–	64.33
Selangor						
Jumlah *Total*	76.9	0.41	0.53	76.12	–	77.73
Bandar *Urban*	77.2	0.43	0.55	76.35	–	78.02
Luar bandar *Rural*	71.3	1.08	1.51	69.15	–	73.38
Terengganu						
Jumlah *Total*	58.8	0.51	0.87	57.82	–	59.84
Bandar *Urban*	59.8	0.64	1.06	58.60	–	61.09
Luar bandar *Rural*	56.3	0.84	1.49	54.64	–	57.92

Jadual S1: Ralat piawai relatif bagi anggaran kadar penyertaan tenaga buruh mengikut negeri dan strata, Malaysia, 2022 (samb.)

Table S1: Relative standard error of estimates for labour force participation rate by state and strata, Malaysia, 2022 (cont'd)

Negeri dan strata *State and strata*	**Kadar penyertaan tenaga buruh** *Labour force participation rate* (%)	**Ralat piawai bagi anggaran** *Standard error of estimates*		**Kadar penyertaan tenaga buruh pada 95% selang keyakinan** *Labour force participation rate at 95% confidence interval* (%)		
		Nilai relatif *Relative value* (%)	**Ralat piawai** *Standard error* (%)			
Sabah						
Jumlah *Total*	70.9	0.42	0.59	70.08	–	71.73
Bandar *Urban*	69.4	0.56	0.81	68.28	–	70.48
Luar bandar *Rural*	73.7	0.60	0.81	72.50	–	74.84
Sarawak						
Jumlah *Total*	67.9	0.44	0.65	67.00	–	68.73
Bandar *Urban*	68.1	0.62	0.90	66.94	–	69.35
Luar bandar *Rural*	67.3	0.50	0.74	66.33	–	68.29
W. P. Kuala Lumpur						
Jumlah *Total*	72.4	0.70	0.97	71.00	–	73.76
Bandar *Urban*	72.4	0.70	0.97	71.00	–	73.76
Luar bandar *Rural*	n.a	n.a	n.a	n.a	–	n.a
W. P. Labuan						
Jumlah *Total*	67.0	1.23	1.84	64.61	–	69.43
Bandar *Urban*	67.2	1.35	2.01	64.58	–	69.89
Luar bandar *Rural*	n.a	n.a	n.a	n.a	–	n.a

Jadual S1: Ralat piawai relatif bagi anggaran kadar penyertaan tenaga buruh mengikut negeri dan strata, Malaysia, 2022 (samb.)

Table S1: Relative standard error of estimates for labour force participation rate by state and strata, Malaysia, 2022 (cont'd)

Negeri dan strata *State and strata*	**Kadar penyertaan tenaga buruh** *Labour force participation rate* (%)	**Ralat piawai bagi anggaran** *Standard error of estimates*		**Kadar penyertaan tenaga buruh pada 95% selang keyakinan** *Labour force participation rate at 95% confidence interval* (%)		
		Nilai relatif *Relative value* (%)	**Ralat piawai** *Standard error* (%)			
W. P. Putrajaya						
Jumlah *Total*	75.70	1.56	2.07	72.65	–	78.79
Bandar *Urban*	75.70	1.56	2.07	72.65	–	78.79
Luar bandar *Rural*	n.a	n.a	n.a	n.a	–	n.a

Jadual S2: **Ralat piawai relatif bagi anggaran penduduk bekerja mengikut pekerjaan, Malaysia, 2022**

Table S2: *Relative standard error of estimates for employed persons by occupation, Malaysia, 2022*

Pekerjaan *Occupation*	**Bilangan penduduk bekerja** *Number of employed persons* ('000)	**Ralat piawai bagi anggaran** *Standard error of estimates*		**Bilangan penduduk bekerja pada 95% selang keyakinan** *Labour force participation rate at 95% confidence interval* ('000)		
		Nilai relatif *Relative value* (%)	**Ralat piawai** *Standard error* ('000)			
Pengurus *Managers*	712.2	1.94	13.81	685.10	–	739.23
Profesional *Professionals*	1,988.4	1.11	22.06	1,945.20	–	2,031.68
Juruteknik dan profesional bersekutu *Technicians and associate professionals*	1,849.2	1.14	21.16	1,807.77	–	1,890.73
Pekerja sokongan perkeranian *Clerical support workers*	1,527.1	1.26	19.17	1,489.50	–	1,564.66
Pekerja perkhidmatan dan jualan *Service and sales workers*	3,748.4	0.84	31.53	3,686.59	–	3,810.18
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan *Skilled agricultural, forestry, livestock and fishery workers*	723.8	1.45	10.50	703.18	–	744.34
Pekerja kemahiran dan pekerja pertukangan yang berkaitan *Craft and related trades workers*	1,373.3	1.32	18.09	1,337.83	–	1,408.75
Operator mesin dan loji, dan pemasang *Plant and machine-operators and assemblers*	1,584.4	1.39	21.98	1,541.30	–	1,627.46
Pekerja asas *Elementary occupations*	1,842.9	1.65	30.43	1,783.30	–	1,902.57

Jadual S3: **Ralat piawai relatif bagi anggaran penduduk bekerja mengikut industri, Malaysia, 2022**

Table S3: *Relative standard error of estimates for employed persons by industry, Malaysia, 2022*

Industri *Industry*	**Bilangan penduduk bekerja** *Number of employed persons* ('000)	**Ralat piawai bagi anggaran** *Standard error of estimates*		**Bilangan penduduk bekerja pada 95% selang keyakinan** *Labour force participation rate at 95% confidence interval* ('000)		
		Nilai relatif *Relative value* (%)	**Ralat piawai** *Standard error* ('000)			
Pertanian, perhutanan dan perikanan *Agriculture, forestry and fishing*	1,540.8	1.41	21.78	1,498.15	–	1,583.55
Perlombongan dan pengkuarian *Mining and quarrying*	84.3	5.46	4.60	75.28	–	93.32
Pembuatan *Manufacturing*	2,590.7	1.13	29.21	2,533.49	–	,647.97
Bekalan elektrik, gas, wap dan pendingin udara *Electricity, gas, steam and air conditioning supply*	79.1	5.55	4.39	70.45	–	87.65
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan *Water supply; sewerage, waste management and remediation activities*	88.3	5.62	4.96	78.61	–	98.06
Pembinaan *Construction*	1,170.5	1.54	17.98	1,135.20	–	,205.70
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal *Wholesale and retail trade; repair of motor vehicles and motorcycles*	2,932.6	0.97	28.44	2,876.91	–	,988.39
Pengangkutan dan penyimpanan *Transportation and storage*	711.4	1.84	13.11	685.67	–	737.06
Penginapan dan aktiviti perkhidmatan makanan dan minuman *Accommodation and food and beverage service activities*	1,547.7	1.34	20.74	1,507.09	–	1,588.39
Maklumat dan komunikasi *Information and communication*	236.4	3.52	8.33	220.12	–	252.78
Aktiviti kewangan dan insurans/takafu/ *Financial and insurance/takaful activities*	397.2	2.64	10.49	376.59	–	417.72

Jadual S3: **Ralat piawai relatif bagi anggaran penduduk bekerja mengikut industri, Malaysia, 2022**

Table S3: *Relative standard error of estimates for employed persons by industry, Malaysia, 2022*

Industri *Industry*	**Bilangan penduduk bekerja** *Number of employed persons* ('000)	**Ralat piawai bagi anggaran** *Standard error of estimates*		**Bilangan penduduk bekerja pada 95% selang keyakinan** *Labour force participation rate at 95% confidence interval* ('000)		
		Nilai relatif *Relative value* (%)	**Ralat piawai** *Standard error* ('000)			
Aktiviti hartanah *Real estate activities*	83.7	5.60	4.69	74.55	–	92.94
Aktiviti profesional, saintifik dan teknikal *Professional, scientific and technical activities*	365.7	2.59	9.46	347.17	–	384.26
Aktiviti pentadbiran dan khidmat sokongan *Administrative and support service activities*	862.4	1.79	15.47	832.09	–	892.72
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib *Public administration and defence; compulsory social security*	747.7	1.54	11.55	725.08	–	770.36
Pendidikan *Education*	943.7	1.44	13.61	917.02	–	970.36
Aktiviti kesihatan kemanusiaan dan kerja sosial *Human health and social work activities*	599.0	1.91	11.41	576.60	–	621.34
Kesenian, hiburan dan rekreasi *Arts, entertainment and recreation*	63.5	6.03	3.83	56.00	–	71.02
Aktiviti perkhidmatan lain *Other service activities*	279.0	2.90	8.08	263.15	–	294.81
Aktiviti isi rumah sebagai majikan *Activities of households as employer*	67.8	7.30	4.95	58.10	–	77.48

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