



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA



2023

SUKU KEEMPAT

FOURTH QUARTER

STATISTIK PERLOMBONGAN PETROLEUM DAN GAS ASLI

MINING OF
PETROLEUM AND NATURAL GAS STATISTICS

JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

STATISTIK PERLOMBONGAN PETROLEUM DAN GAS ASLI

MINING OF PETROLEUM AND NATURAL GAS STATISTICS

SUKU KEEMPAT
FOURTH QUARTER **2023**

Diterbitkan pada : **15** **MAC** **2024**
Released on **MAC**

Pemakluman

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

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

Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (MyStats Day) pada 20 Oktober setiap tahun. Tema sambutan MyStats Day adalah "Statistik Nadi Kehidupan".

Pangkalan Data Utama (PADU) telah dilancarkan pada 2 Januari 2024. PADU mengandungi profil individu dan isi rumah meliputi warganegara dan pemastautin tetap di Malaysia. Matlamat utama PADU untuk memastikan rakyat Malaysia tidak tercicir daripada setiap inisiatif berpaksikan rakyat yang dilaksanakan oleh Kerajaan. Dimohon kerjasama untuk mendaftar dan mengemaskini PADU sebelum atau pada 31 Mac 2024. Sila layari <https://www.padu.gov.my> bagi maklumat lanjut berkaitan PADU atau menghubungi talian *hotline* berikut:

- i) Jabatan Perangkaan Malaysia : 1-800-88-7720 /1-800-88-7721
- ii) Pertanyaan secara online melalui SISPAA: <https://padu.spab.gov.my>.

Announcement

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

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

The Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20th each year. MyStats Day theme is "Statistics is the Essence of Life".

The Central Database (PADU) was launched on 2 January 2024. PADU contains individual and household profiles covering citizens and permanent residents of Malaysia. The main goal of PADU is to ensure that Malaysians are not left behind from citizen centric initiatives implemented by the Government. Your kind cooperation is requested to register and update PADU by 31 March 2024. Please visit <https://www.padu.gov.my> for more information related to PADU or contact the following hotlines:

- i) Department of Statistics Malaysia : 1-800-88-7720 /1-800-88-7721*
- ii) Online Enquiries through SISPAA: <https://padu.spab.gov.my>.*

JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA

Diterbitkan dan dicetak oleh / *Published and printed by:*

Jabatan Perangkaan Malaysia

Department of Statistics, Malaysia

Blok C6 & C7, Kompleks C,

Pusat Pentadbiran Kerajaan Persekutuan

62514 Putrajaya,

MALAYSIA

Tel.	: 03-88857000
Faks/Fax	: 03-88889248
Portal	: https://www.dosm.gov.my
Facebook/Twitter/ Instagram/ Youtube	: StatsMalaysia
Emel/Email	: info@dosm.gov.my (pertanyaan umum/ <i>general enquiries</i>) data@dosm.gov.my (pertanyaan & permintaan data/ <i>data request & enquiries</i>)
Harga/Price	: RM25.00

Diterbitkan pada Mac 2024 / *Published in March 2024*

Hak cipta terpelihara / All rights reserved.

Tiada bahagian daripada terbitan ini boleh diterbitkan semula, disimpan untuk pengeluaran atau ditukar dalam apa-apa bentuk atau alat apa jua pun kecuali setelah mendapat kebenaran daripada Jabatan Perangkaan Malaysia. Pengguna yang mengeluarkan sebarang maklumat dari terbitan ini sama ada yang asal atau diolah semula hendaklah meletakkan kenyataan berikut:

“Sumber: Jabatan Perangkaan Malaysia”.

No part of this publication may be reproduced or distributed in any form or by any means or stored in database without the prior written permission from Department of Statistics, Malaysia. Users reproducing content of this publication with or without adaptation should quote the following:

“Source: Department of Statistics, Malaysia”.

ISSN: 3009-0695



Statistik Perlombongan Petroleum dan Gas Asli merupakan penerbitan yang menghimpunkan pelbagai statistik keluaran DOSM, serta statistik yang diperoleh daripada agensi yang berkaitan seperti PETRONAS dan Malaysia Thailand Joint Authority (MTJA) bagi suku keempat 2023. Inisiatif untuk menerbitkan statistik ini secara suku tahunan adalah untuk memenuhi permintaan yang semakin meningkat bagi statistik perlombongan petroleum dan gas asli yang komprehensif secara berkala.

Penerbitan ini mengandungi statistik pengeluaran, jualan, harga, eksport dan import berkaitan minyak mentah & kondensat dan gas asli. Selain itu, indikator makroekonomi yang merangkumi Keluaran Dalam Negeri Kasar (KDNK), Indeks Pengeluaran Perindustrian (IPP), Indeks Harga Pengeluar (IHPR) serta statistik guna tenaga dan produktiviti buruh turut dilaporkan dalam penerbitan ini. Statistik ini boleh membantu agensi kerajaan, ahli ekonomi, ahli akademik serta individu bagi tujuan membuat perancangan dan penggubalan dasar, analisis ekonomi dan unjuran serta dapat membantu merancang pembangunan perniagaan.

Laporan ini dibahagikan kepada tiga bahagian. Bahagian pertama memaparkan infografik dan ringkasan penemuan bagi keseluruhan industri minyak mentah dan gas asli, manakala bahagian kedua memuatkan jadual statistik terperinci. Aspek teknikal seperti sumber data, konsep & definisi serta pembolehubah utama yang digunakan diterangkan di bahagian ketiga bagi memudahkan pengguna memahami statistik yang diterbitkan.

DOSM merakamkan setinggi-tinggi penghargaan atas kerjasama dan sumbangan yang diberikan oleh semua pihak dalam menjayakan penerbitan ini. Pandangan dan cadangan untuk penambahbaikan penerbitan ini pada masa akan datang amat dihargai.

DATO' SRI DR. MOHD UZIR MAHIDIN

Ketua Perangkawan Malaysia

Mac 2024



The Mining of Petroleum and Natural Gas Statistics is a report which assembles various statistics released by DOSM, as well as statistics obtained from relevant agencies such as PETRONAS and Malaysia Thailand Joint Authority (MTJA) for the fourth quarter of 2023. The initiative to publish these statistics on a quarterly basis is to fulfil the rising demand for frequent and comprehensive mining of petroleum and natural gas statistics.

This publication provides statistics on production, sales, prices, exports and imports of crude oil & condensate and natural gas. In addition, macroeconomic indicators which include Gross Domestic Product (GDP), Industrial Production Index (IPI), Producer Price Index (PPI) as well as employment and labour productivity statistics are also reported in this publication. These statistics could assist government agencies, economists, academicians, as well as individuals in the planning and formulation of policies, economic analysis and projections as well as for business development planning.

This report is divided into three parts. The first part highlights the infographic and summary of findings for the overall crude oil and natural gas industry, while the second part contains detailed statistical tables. Technical aspects such as sources of data, concepts & definitions and the main variables used are explained in the third part to assist users in understanding the published statistics.

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

DATO' SRI DR. MOHD UZIR MAHIDIN

Chief Statistician, Malaysia

March 2024



Simbol dan singkatan berikut telah digunakan dalam keseluruhan penerbitan:

The following symbols and abbreviations have been used throughout the publication:

-	:	tiada / <i>nil</i>
%	:	peratus / <i>percentage</i>
&	:	dan / <i>and</i>
bbl	:	<i>Barrel</i>
BCF	:	Bilion Kaki Padu / <i>Billion Cubic Feet</i>
dll / n.e.c	:	dan lain-lain / <i>not elsewhere classified</i>
IHPR / <i>PPI</i>	:	Indeks Harga Pengeluar / <i>Producer Price Index</i>
IPP / <i>IPI</i>	:	Indeks Pengeluaran Perindustrian / <i>Industrial Production Index</i>
IRIS	:	<i>International Recommendation for Industrial Statistics</i>
KDNK / <i>GDP</i>	:	Keluaran Dalam Negeri Kasar / <i>Gross Domestic Product</i>
LNG	:	Gas Asli Cecair / <i>Liquefied Natural Gas</i>
LPG	:	Gas Petroleum Cecair / <i>Liquefied Petroleum Gas</i>
MMSCF	:	(Juta) Kaki Padu Standard / <i>(Million) Standard Cubid Feet</i>
MSCF	:	(Ribu) Kaki Padu Standard / <i>(Thousand) Standard Cubid Feet</i>
MSIC	:	Piawaian Klasifikasi Industri Malaysia / <i>Malaysia Standards Industrial Classification</i>
MTJA	:	Malaysia Thailand Joint Authority
n.a.	:	Tidak berkaitan / <i>Not applicable</i>
NYMEX	:	New York Mercantile Exchange
Q	:	Suku tahun / <i>Quarter</i>
QoQ	:	Suku tahun ke suku tahun / <i>Quarter-on-Quarter</i>
RM	:	Ringgit Malaysia / <i>Malaysian Ringgit</i>
USD	:	<i>US Dollar</i>
WALP	:	<i>Weighted Average Lifting Price</i>
WTI	:	West Texas Intermediate
YoY	:	Tahun ke tahun / <i>Year-on-Year</i>

NOTA / NOTE:

Jumlah angka komponen mungkin tidak bersamaan dengan angka jumlah kecil atau jumlah besar disebabkan pembundaran.

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



			Muka surat Page
Kata Pengantar <i>Preface</i>			i
Simbol & Singkatan <i>Symbols & Abbreviations</i>			iii
Kandungan <i>Content</i>			iv
Bahagian <i>Part</i>	1	: Ringkasan Penemuan <i>Summary of Findings</i>	1
Bahagian <i>Part</i>	2	: Jadual Statistik <i>Statistical Tables</i>	21
Segmen <i>Segment</i>	A	: Pengeluaran, Jualan dan Harga <i>Production, Sales and Prices</i>	
1a	Pengeluaran Minyak Mentah & Kondensat dan Gas Asli - Tahunan <i>Production of Crude Oil & Condensate and Natural Gas - Annually</i>		22
1b	Pengeluaran Minyak Mentah & Kondensat dan Gas Asli - Suku Tahunan <i>Production of Crude Oil & Condensate and Natural Gas - Quarterly</i>		23
2a	Harga Minyak dan Gas - Tahunan <i>Price of Oil and Gas - Annually</i>		24
2b	Harga Minyak dan Gas - Suku Tahunan <i>Price of Oil and Gas - Quarterly</i>		25
3a	Pengeluaran Produk Petroleum Bertapis - Tahunan <i>Production of Refined Petroleum Products - Annually</i>		26
3b	Pengeluaran Produk Petroleum Bertapis - Suku Tahunan <i>Production of Refined Petroleum Products - Quarterly</i>		27
4a	Nilai Jualan Berkaitan Produk Petroleum - Tahunan <i>Sales Value of Related Petroleum Products - Annually</i>		28
4b	Nilai Jualan Berkaitan Produk Petroleum - Suku Tahunan <i>Sales Value of Related Petroleum Products - Quarterly</i>		29
Segmen <i>Segment</i>	B	: Eksport dan Import <i>Exports and Imports</i>	
5a	Nilai Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Tahunan <i>Export Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Annually</i>		30
5b	Nilai Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan <i>Export Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly</i>		31



		Muka surat Page
6a	Volum Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Tahunan <i>Export Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Annually</i>	32
6b	Volum Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan <i>Export Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly</i>	33
7a	Nilai Eksport Petroleum Mentah dan Kondensat mengikut Negara Destinasi - Tahunan <i>Export Value of Crude Petroleum and Condensate by Country of Destination - Annually</i>	34
7b	Nilai Eksport Petroleum Mentah dan Kondensat mengikut Negara Destinasi - Suku Tahunan <i>Export Value of Crude Petroleum and Condensate by Country of Destination - Quarterly</i>	35
8a	Nilai Eksport Keluaran Petroleum Bertapis mengikut Negara Destinasi - Tahunan <i>Export Value of Refined Petroleum Products by Country of Destination - Annually</i>	36
8b	Nilai Eksport Keluaran Petroleum Bertapis mengikut Negara Destinasi - Suku Tahunan <i>Export Value of Refined Petroleum Products by Country of Destination - Quarterly</i>	37
9a	Nilai Eksport Gas Asli Cecair (LNG) mengikut Negara Destinasi - Tahunan <i>Export Value of Liquefied Natural Gas (LNG) by Country of Destination - Annually</i>	38
9b	Nilai Eksport Gas Asli Cecair (LNG) mengikut Negara Destinasi - Suku Tahunan <i>Export Value of Liquefied Natural Gas (LNG) by Country of Destination - Quarterly</i>	39
10a	Nilai Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Tahunan <i>Import Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Annually</i>	40
10b	Nilai Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan <i>Import Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly</i>	41
11a	Volum Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Tahunan <i>Import Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Annually</i>	42



		Muka surat <i>Page</i>
11b	Volum Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan <i>Import Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly</i>	43
12a	Nilai Import Petroleum Mentah dan Kondensat mengikut Negara Asal - Tahunan <i>Import Value of Crude Petroleum and Condensate by Country of Origin - Annually</i>	44
12b	Nilai Import Petroleum Mentah dan Kondensat mengikut Negara Asal - Suku Tahunan <i>Import Value of Crude Petroleum and Condensate by Country of Origin - Quarterly</i>	45
13a	Nilai Import Keluaran Petroleum Bertapis mengikut Negara Asal - Tahunan <i>Import Value of Refined Petroleum Products by Country of Origin - Annually</i>	46
13b	Nilai Import Keluaran Petroleum Bertapis mengikut Negara Asal - Suku Tahunan <i>Import Value of Refined Petroleum Products by Country of Origin - Quarterly</i>	47
14a	Nilai Import Gas Asli Cecair (LNG) mengikut Negara Asal - Tahunan <i>Import Value of Liquefied Natural Gas (LNG) by Country of Origin - Annually</i>	48
14b	Nilai Import Gas Asli Cecair (LNG) mengikut Negara Asal - Suku Tahunan <i>Import Value of Liquefied Natural Gas (LNG) by Country of Origin - Quarterly</i>	49

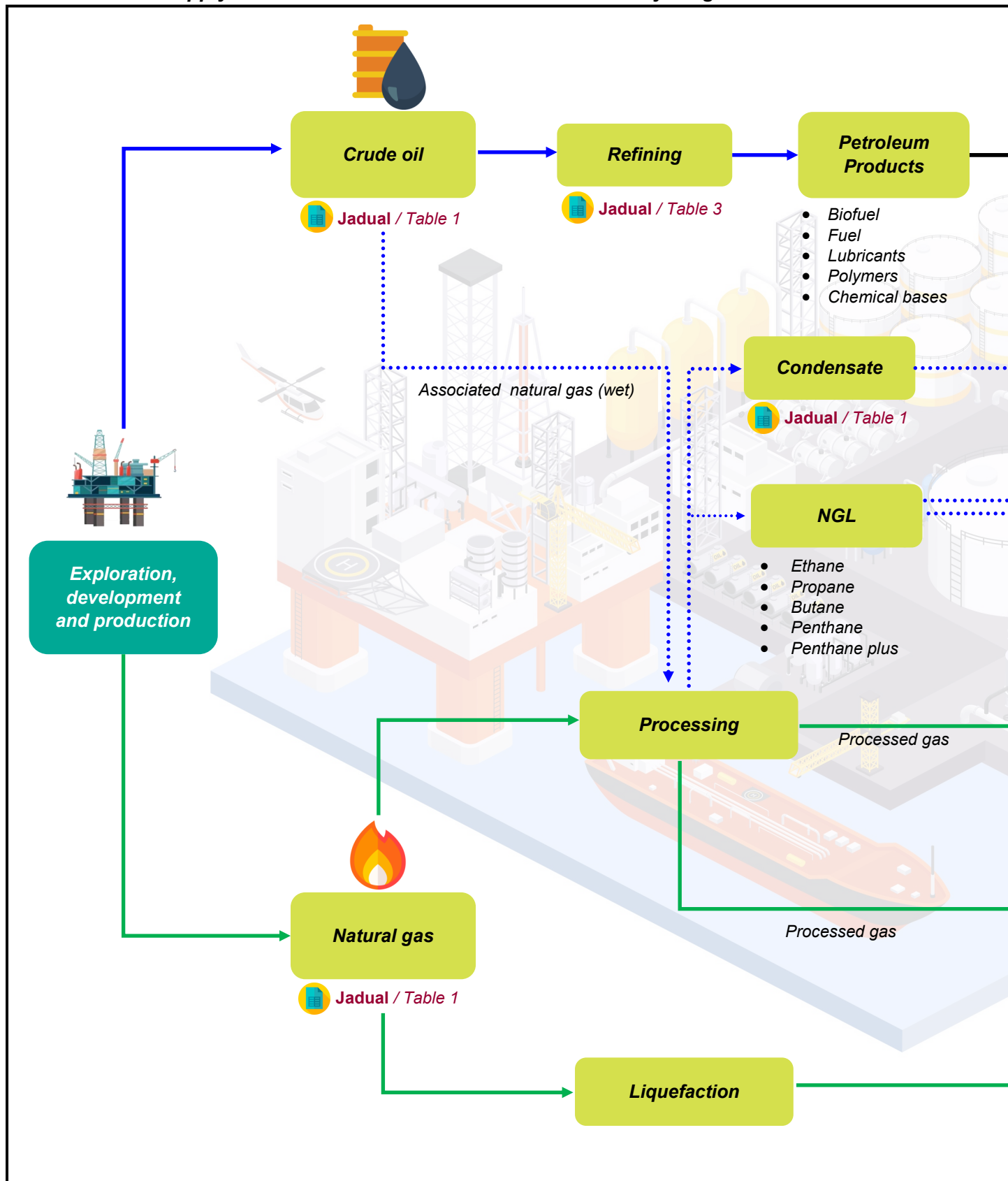
Segmen <i>Segment</i>	C :	Indikator Makroekonomi <i>Macroeconomic Indicators</i>	
15a		KDNK mengikut Jenis Aktiviti Ekonomi pada Harga Semasa - Tahunan <i>GDP by Economic Activity at Current Prices - Annually</i>	50
15b		KDNK mengikut Jenis Aktiviti Ekonomi pada Harga Semasa - Suku Tahunan <i>GDP by Economic Activity at Current Prices - Quarterly</i>	51
16a		KDNK mengikut Jenis Aktiviti Ekonomi pada Harga Malar - Tahunan <i>GDP by Economic Activity at Constant Prices - Annually</i>	52
16b		KDNK mengikut Jenis Aktiviti Ekonomi pada Harga Malar - Suku Tahunan <i>GDP by Economic Activity at Constant Prices - Quarterly</i>	53
17a		IPP dan Indeks Sektor (2015=100) - Tahunan <i>IPI and Sectors Indices (2015=100) - Annually</i>	54
17b		IPP dan Indeks Sektor (2015=100) - Suku Tahunan <i>IPI and Sectors Indices (2015=100) - Quarterly</i>	55



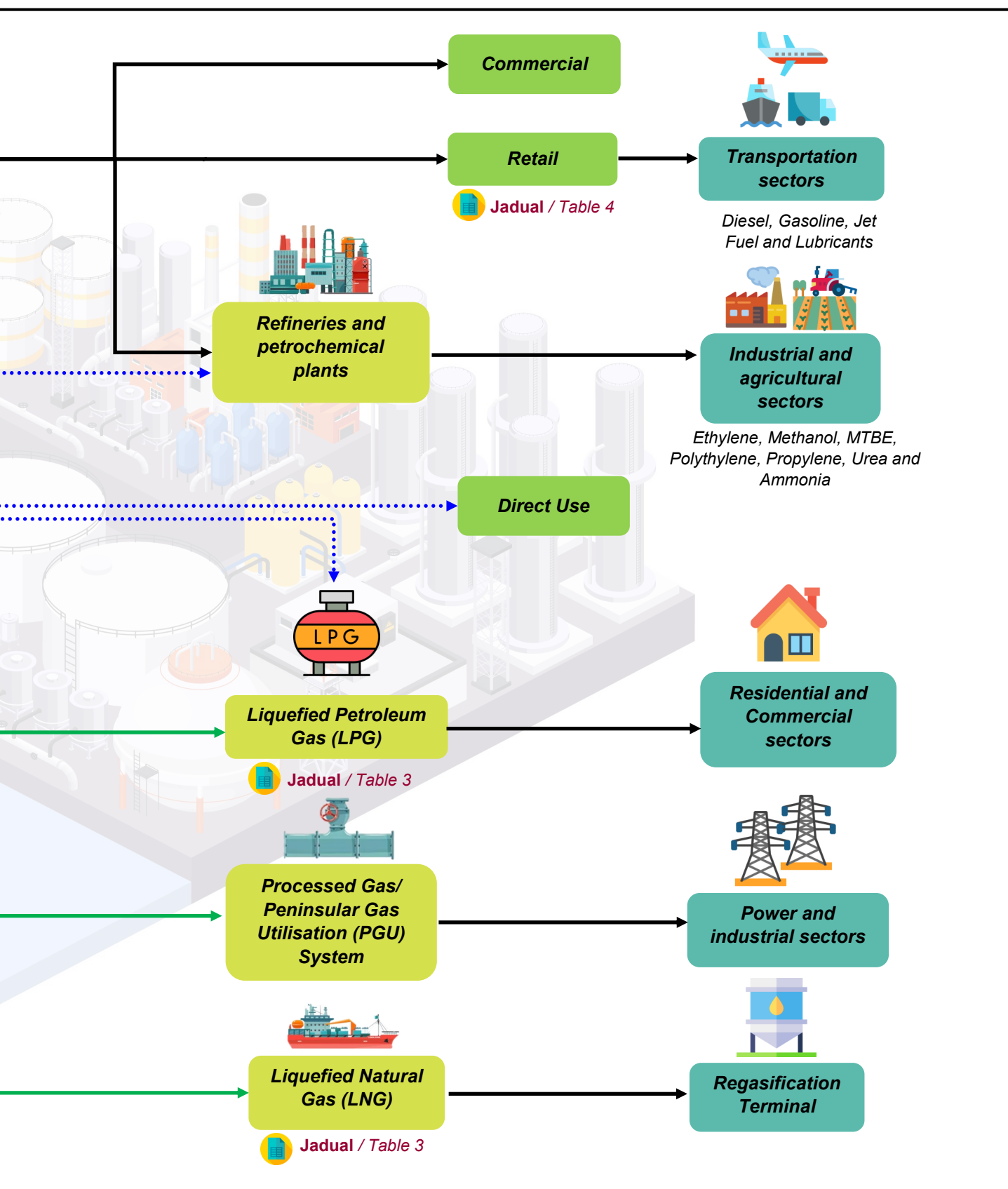
		Muka surat <i>Page</i>
18a	IHPR (2010=100) Pengeluaran Tempatan, Pengekstrakan Petroleum Mentah & Gas Asli Dan Pembuatan Kok & Produk Petroleum Bertapis - Tahunan <i>PPI (2010=100) Local Production, Extraction of Crude Petroleum & Natural Gas and Manufacture of Coke & Refined Petroleum Products - Annually</i>	56
18b	IHPR (2010=100) Pengeluaran Tempatan, Pengekstrakan Petroleum Mentah & Gas Asli Dan Pembuatan Kok & Produk Petroleum Bertapis - Suku Tahunan <i>PPI (2010=100) Local Production, Extraction of Crude Petroleum & Natural Gas and Manufacture of Coke & Refined Petroleum Products - Quarterly</i>	57
19a	Statistik Guna Tenaga Sektor Perlombongan dan Pengkuarian mengikut Kemahiran - Tahunan <i>Employment Statistics of Mining and Quarrying Sector by Skill - Annually</i>	58
19b	Statistik Guna Tenaga Sektor Perlombongan dan Pengkuarian mengikut Kemahiran - Suku Tahunan <i>Employment Statistics of Mining and Quarrying Sector by Skill - Quarterly</i>	59
20a	Produktiviti Buruh Sektor Perlombongan dan Pengkuarian - Tahunan <i>Labour Productivity of Mining and Quarrying Sector - Annually</i>	60
20b	Produktiviti Buruh Sektor Perlombongan dan Pengkuarian - Suku Tahunan <i>Labour Productivity of Mining and Quarrying Sector - Quarterly</i>	61
Bahagian <i>Part</i>	3 : Nota Teknikal <i>Technical Notes</i>	63
Lampiran <i>Appendix</i>	Piawaian Klasifikasi Industri Malaysia 2008 Ver. 1.0 <i>Malaysia Standards Industrial Classification 2008 Ver. 1.0</i>	79



Supply Chain of Crude Oil and Natural Gas Industry Diagram



Sources: PETRONAS and Joint Organisations Data Initiative (JODI) and illustrated by Department of Statistics Malaysia (DOSM)
 Note: This diagram is provide to guide user in understanding the statistics in this publication



BAHAGIAN
PART

1



RINGKASAN PENEMUAN
SUMMARY OF FINDINGS

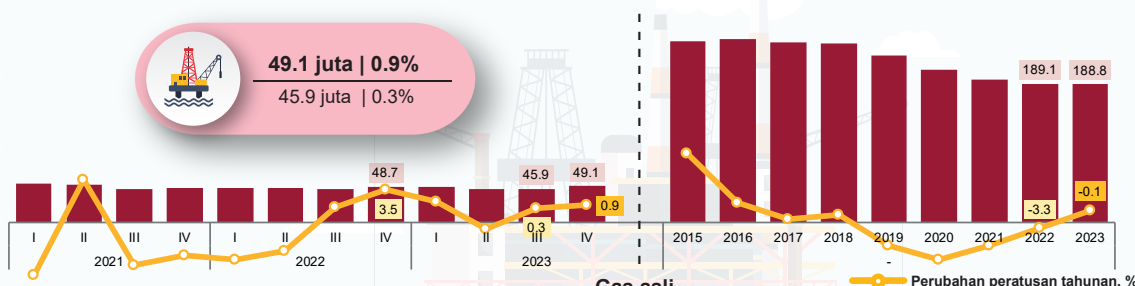


STATISTIK PERLOMBONGAN PETROLEUM DAN GAS ASLI SUKU KEEMPAT 2023

Pengeluaran Minyak mentah dan kondensat meningkat 0.9 peratus manakala Gas asli pulih semula kepada 4.7 peratus pada suku keempat 2023

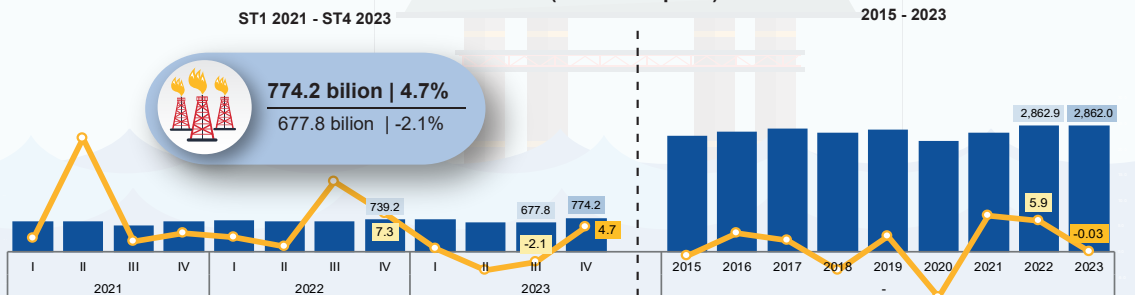
Pengeluaran Minyak mentah dan kondensat (⁰⁰⁰ tong)

ST1 2021 - ST4 2023



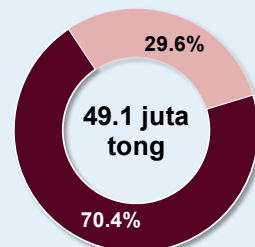
Gas asli (bilion kaki padu)

ST1 2021 - ST4 2023

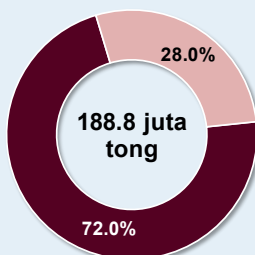


Peratusan Sumbangan Pengeluaran Minyak Mentah dan Kondensat

ST4 2023



2023



Minyak mentah
Kondensat

Nota: Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA

Perubahan peratusan tahunan, %

Harga, ST4 2023

WALP ¹ (Malaysia)	WTI ²
USD88.5	USD78.4
-6.4%	-5.3%
Brent	Henry Hub
USD83.7	USD2.7
-5.5%	-50.7%

Perubahan peratusan tahunan, %

Sumber: PETRONAS dan EIA

¹ WALP: Weighted Average Lifting Price

² WTI: West Texas Intermediate

Nilai Jualan Produk Petroleum, ST4 2023

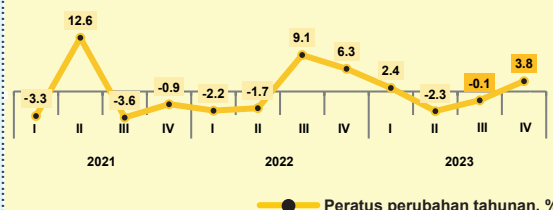
Jualan produk petroleum bertapis	Jualan borong bahan api pepejal, cecair & gas dan produk berkaitan	Jualan runcit di kedai khusus yang menjual bahan api kenderaan
RM54.0 bilion	RM38.9 bilion	RM16.8 bilion
-21.0%	7.7%	3.4%

Perubahan peratusan tahunan, %

Sumber: Perangkaan Pembuatan Bulanan dan Prestasi Borong & Runcit Disember 2023, DOSM

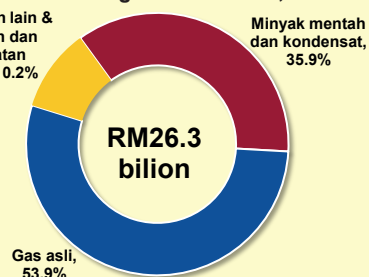
Keluaran Dalam Negeri Kasar (KDNK) pada Harga Malar 1995

Perlombongan dan Pengeluaran



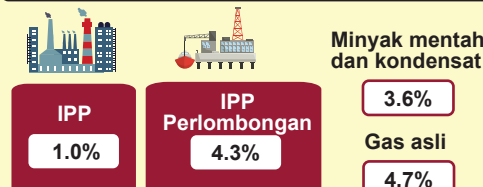
Peratusan Sumbangan Perlombongan dan Pengeluaran mengikut Subsektor, ST4 2023

Perlombongan lain & pengeluaran dan perkhidmatan sokongan, 10.2%



Sumber: Keluaran Dalam Negeri Kasar (KDNK) ST4 2023, DOSM

Indeks Pengeluaran Perindustrian (IPP), ST4 2023



Perubahan peratusan tahunan, %

Sumber: Indeks Pengeluaran Perindustrian Malaysia (2015=100) Disember 2023, DOSM

ST4 2023

Eksport Negara Destinasi Utama

RM9.3 bilion

Thailand	Australia	Brunei Darussalam
26.3%	17.7%	16.3%

Import Negara Asal Utama

RM18.1 bilion

Arab Saudi	Emiriah Arab Bersatu	Amerika Syarikat
51.1%	18.9%	5.3%

RM33.7 bilion

Singapura	Indonesia	Australia
23.2%	15.0%	12.8%

RM35.4 bilion

Singapura	Republik Korea	China
31.7%	11.8%	10.9%

RM16.6 bilion

Jepun	China	Republik Korea
43.1%	25.9%	22.4%

RM1.7 bilion

Australia
100.0%

Petroleum mentah dan kondensat

Keluaran petroleum bertapis

Gas asli cecair (LNG)

Sumber: DOSM, Disember 2023

Nota: Statistik merujuk kepada peratusan sumbangan tertinggi mengikut negara asal dan destinasi

Sumber: Statistik Perlombongan Petroleum dan Gas Asli, Suku Keempat 2023, Jabatan Perangkaan Malaysia (DOSM)

MINING OF PETROLEUM AND NATURAL GAS STATISTICS FOURTH QUARTER 2023

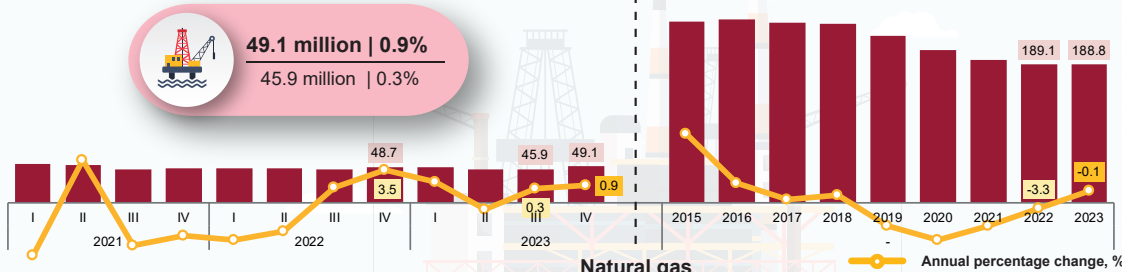
Crude oil and condensate production upped by 0.9 per cent, while Natural gas rebounded to 4.7 per cent in the fourth quarter of 2023

Production

Crude oil and condensate
(^{'000} barrels)

Q1 2021 - Q4 2023

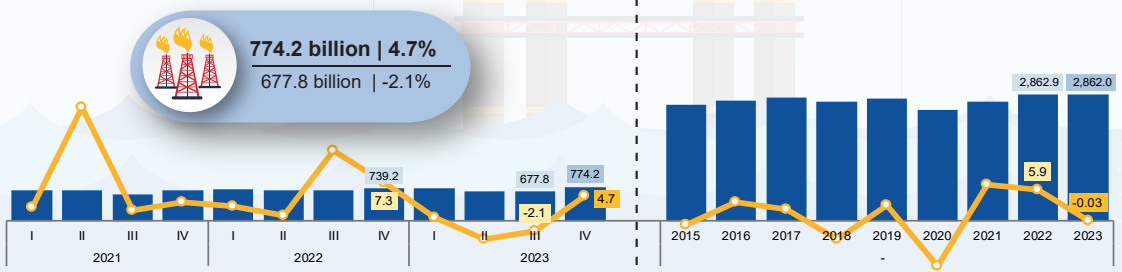
2015 - 2023



Natural gas
(billion cubic feet)

Q1 2021 - Q4 2023

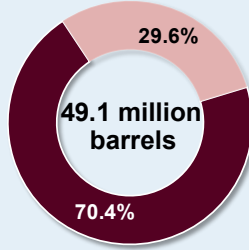
2015 - 2023



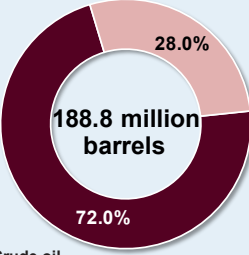
Note: Calculation by DOSM using the statistics from PETRONAS and MTJA

Percentage Share of Crude Oil and Condensate Production

Q4 2023

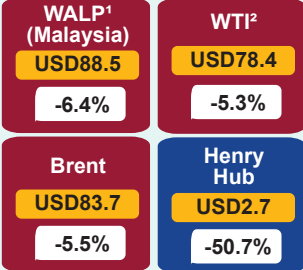


2023



Crude oil
Condensate

Price, Q4 2023



Annual percentage change, %

Source: PETRONAS and EIA

¹WALP: Weighted Average Lifting Price
²WTI: West Texas Intermediate

Sales Value of Petroleum Products, Q4 2023

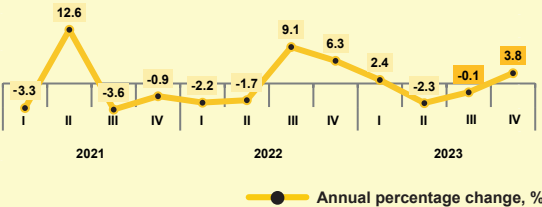


Annual percentage change, %

Source: Monthly Manufacturing Statistics and Performance of Wholesale & Retail Trade December 2023, DOSM

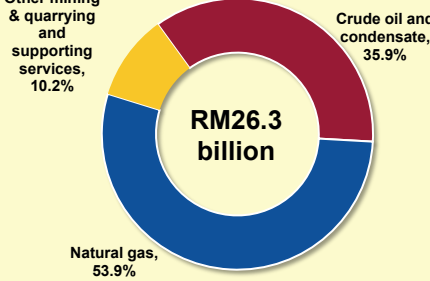
Gross Domestic Product (GDP) at Constant 2015 Prices

Mining and Quarrying



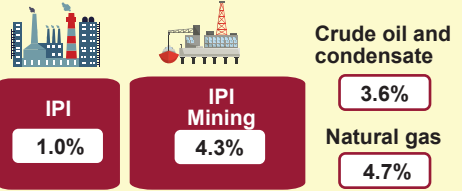
Annual percentage change, %

Percentage Share of Mining and Quarrying by subsector, Q4 2023



Source: Gross Domestic Product (GDP) Q4 2023, DOSM

Industrial Production Index (IPI), Q4 2023



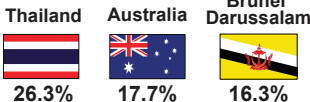
Annual percentage change, %

Source: Malaysia Industrial Production Index (2015=100) December 2023, DOSM

Q4 2023

Exports by Major Country of Destination

RM9.3 billion



Imports by Major Country of Origin

RM18.1 billion



RM33.7 billion



RM35.4 billion



RM16.6 billion



RM1.7 billion



Crude petroleum and condensate

Refined petroleum products

Liquefied natural gas (LNG)

Total of exports Total of imports %: Percentage share

Source: DOSM, December 2023
Note: The Statistics refer to the highest percentage share by country of origin and destination

Source: Mining of Petroleum and Natural Gas Statistics, Fourth Quarter of 2023, Department of Statistics Malaysia (DOSM)



1. Pengenalan

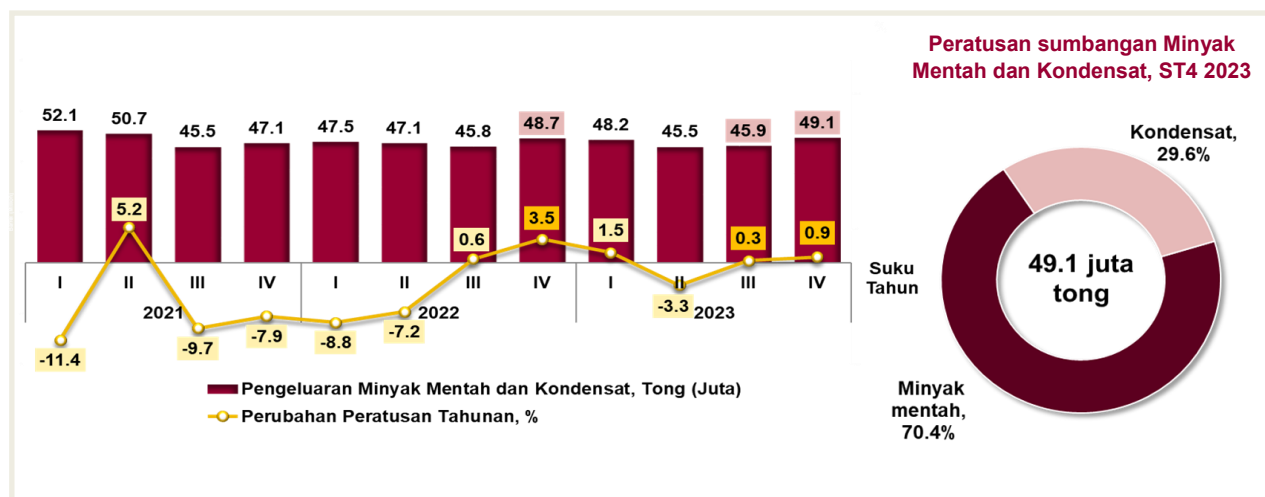
Statistik Perlombongan Petroleum dan Gas Asli membentangkan statistik pengeluaran minyak mentah, kondensat & gas asli; harga purata minyak mentah; pengeluaran & nilai jualan produk utama petroleum bertapis; jualan borong bahan api pepejal, cecair & gas & produk berkaitan; dan eksport & import petroleum mentah & kondensat, keluaran petroleum bertapis & gas asli cecair (LNG). Penerbitan ini turut melaporkan statistik Keluaran Dalam Negeri Kasar (KDNK), Indeks Pengeluaran Perindustrian (IPP), Indeks Harga Pengeluar (IHPR) mengikut aktiviti ekonomi serta statistik guna tenaga dan produktiviti buruh bagi sektor Perlombongan dan pengkuarian bagi tempoh suku pertama 2021 hingga suku keempat 2023. Statistik tahunan turut dilaporkan dalam penerbitan ini.

2. Prestasi Pengeluaran Minyak Mentah & Kondensat dan Gas Asli, Suku Keempat 2023

Pengeluaran Minyak mentah dan kondensat meningkat kepada 0.9 peratus atau 49.1 juta tong pada suku keempat 2023 (ST3 2023: 45.9 juta tong, 0.3%). Kenaikan ini disumbangkan oleh Kondensat yang melonjak sebanyak 23.8 peratus berbanding 16.2 peratus pada suku sebelumnya.

Dari segi komposisi, Minyak mentah merupakan penyumbang tertinggi dengan 70.4 peratus atau bersamaan 34.6 juta tong, manakala Kondensat merangkumi 29.6 peratus atau 14.5 juta tong pada suku keempat 2023 (**Carta 1**).

Carta 1 Prestasi Pengeluaran Minyak Mentah dan Kondensat, ST1 2021 - ST4 2023

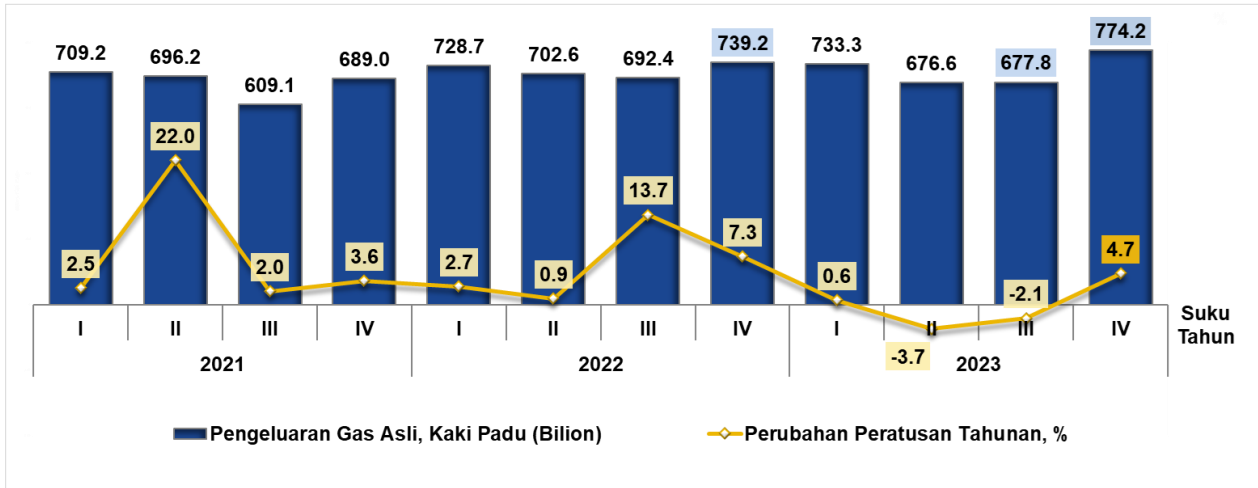


Nota: Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA



Sementara itu, Gas asli pulih kepada 4.7 peratus dengan nilai pengeluaran sebanyak 774.2 billion kaki padu berbanding negatif 2.1 peratus yang dicatatkan pada suku tahun sebelumnya (ST3 2023: 677.8 billion kaki padu) seperti ditunjukkan di **Carta 2**.

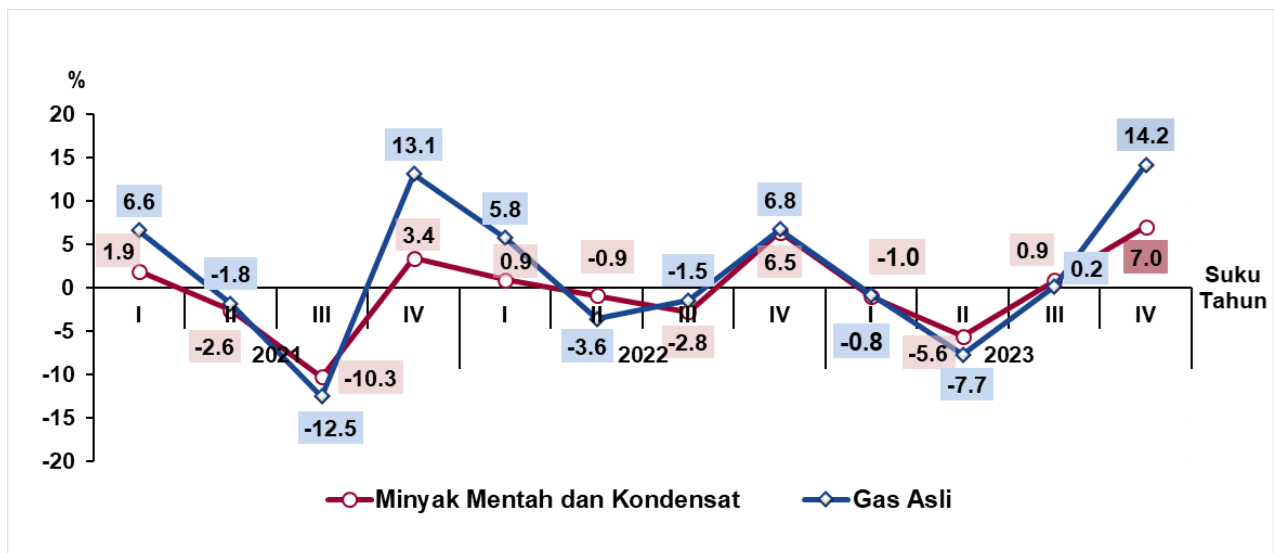
Carta 2 Prestasi Pengeluaran Gas Asli, ST1 2021 - ST4 2023



Nota: Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA

Bagi perbandingan suku tahun ke suku tahun, pengeluaran Minyak mentah dan kondensat tumbuh kepada 7.0 peratus (ST3 2023: 0.9%). Prestasi ini disokong oleh pertumbuhan dalam pengeluaran Kondensat kepada 13.3 peratus (ST3 2023: 2.9%). Pada masa yang sama, pengeluaran Gas asli turut mencatatkan peningkatan yang signifikan iaitu 14.2 peratus berbanding 0.2 peratus yang direkodkan pada suku yang lalu seperti dipaparkan di **Carta 3**.

Carta 3 Pengeluaran Minyak Mentah & Kondensat dan Gas Asli, ST1 2021 - ST4 2023 - Perubahan Peratusan dari Suku Tahun Sebelumnya



Nota: Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA

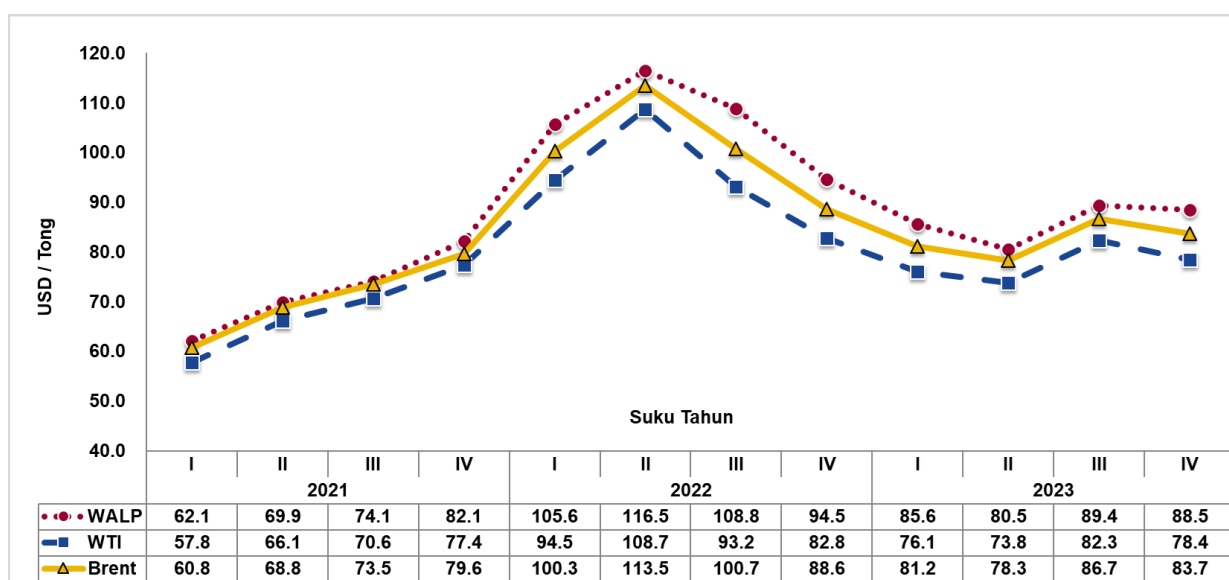


3. Harga Minyak Mentah dan Kondensat, Suku Keempat 2023

West Texas Intermediate (WTI) dan Brent digunakan dalam menilai prestasi harga Minyak mentah dan kondensat di peringkat pasaran global. Sementara itu, Harga Purata “Lifting” Berpemberat (WALP) adalah harga yang diwartakan dan digunakan di Malaysia. WTI merujuk kepada minyak mentah yang dihasilkan di Amerika Syarikat, khususnya di rantau Texas, manakala Brent merujuk kepada minyak mentah yang dihasilkan di beberapa lapangan minyak di Laut Utara, terutamanya di luar pesisir United Kingdom.

Harga Minyak mentah dan kondensat pada suku keempat 2023 menunjukkan penurunan selepas mencatatkan peningkatan pada suku yang lalu. Harga WALP bagi Minyak mentah dan kondensat adalah USD88.5 per tong (ST3 2023: USD89.4 per tong). Sementara itu, harga per tong WTI dan Brent masing-masing mencatatkan USD78.4 (ST3 2023: USD82.3) dan USD83.7 (ST3 2023: USD86.7) seperti yang ditunjukkan di **Carta 4**.

Carta 4 Harga Minyak Mentah dan Kondensat, ST1 2021 - ST4 2023



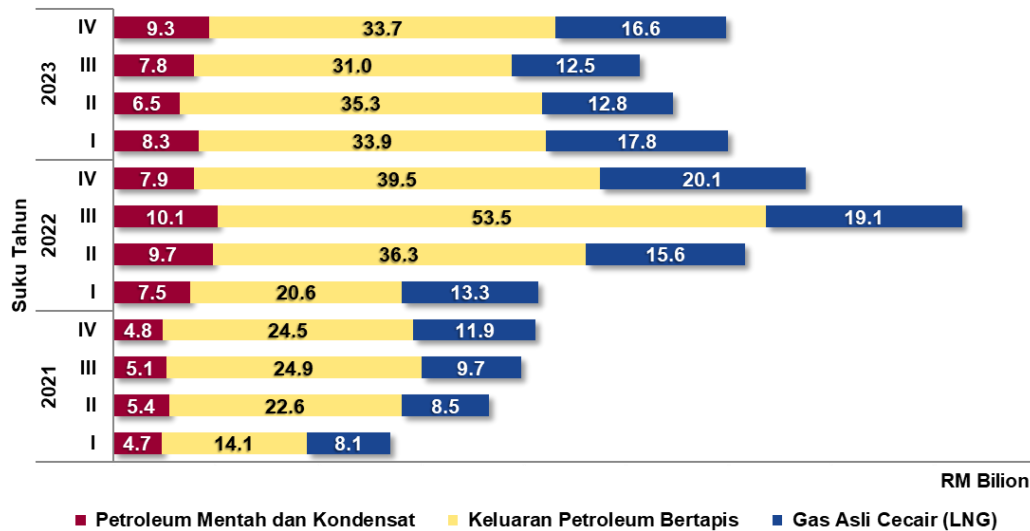
Sumber: PETRONAS dan EIA



4. Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair (LNG)

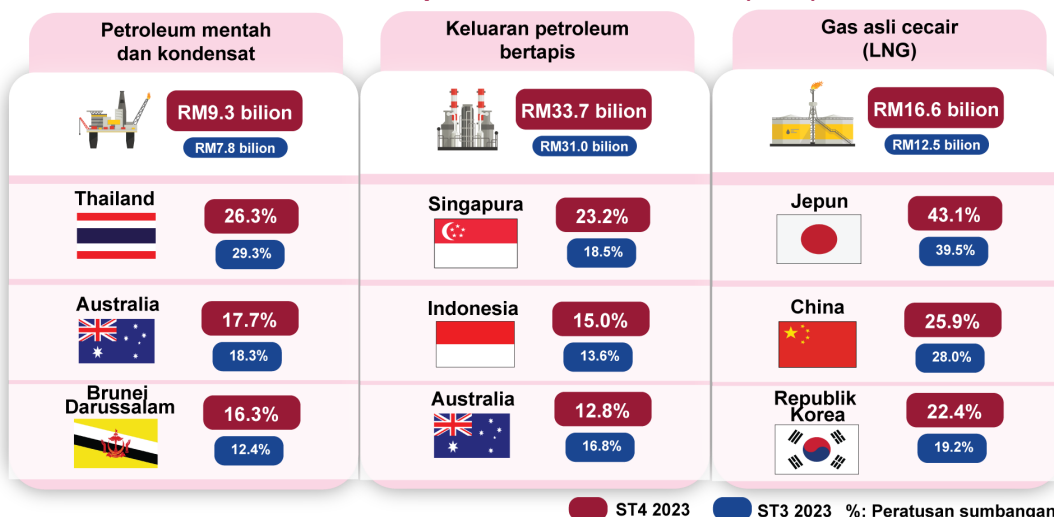
Secara keseluruhan, nilai eksport bagi ketiga-tiga komoditi menunjukkan peningkatan pada suku keempat 2023. Petroleum mentah dan kondensat meningkat kepada RM9.3 bilion berbanding RM7.8 bilion pada suku sebelumnya. Begitu juga dengan nilai eksport Keluaran petroleum bertapis dan LNG masing-masing meningkat kepada RM33.7 bilion (ST3 2023: RM31.0 bilion) dan RM16.6 bilion (ST3 2023: RM12.5 bilion) seperti di **Carta 5**.

Carta 5 Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair (LNG), ST1 2021 - ST4 2023



Thailand terus mendominasi negara destinasi eksport utama bagi Petroleum mentah dan kondensat pada suku tahun ini dengan RM2.5 bilion atau merangkumi 26.3 peratus, diikuti oleh Australia (17.7%) dan Brunei Darussalam (16.3%). Di samping itu, Singapura merupakan negara eksport utama bagi Keluaran petroleum bertapis sebanyak RM7.8 bilion atau 23.2 peratus. Ini diikuti dengan Indonesia dan Australia dengan masing-masing mencatatkan sumbangan 15.0 peratus dan 12.8 peratus. Sementara itu, sejumlah RM6.9 bilion atau 43.1 peratus daripada LNG adalah dieksport ke Jepun, diikuti oleh China (25.9%) dan Republik Korea (22.4%) seperti yang ditunjukkan di **Paparan 1**.

Paparan 1 Eksport mengikut Negara Destinasi Utama - Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair (LNG)

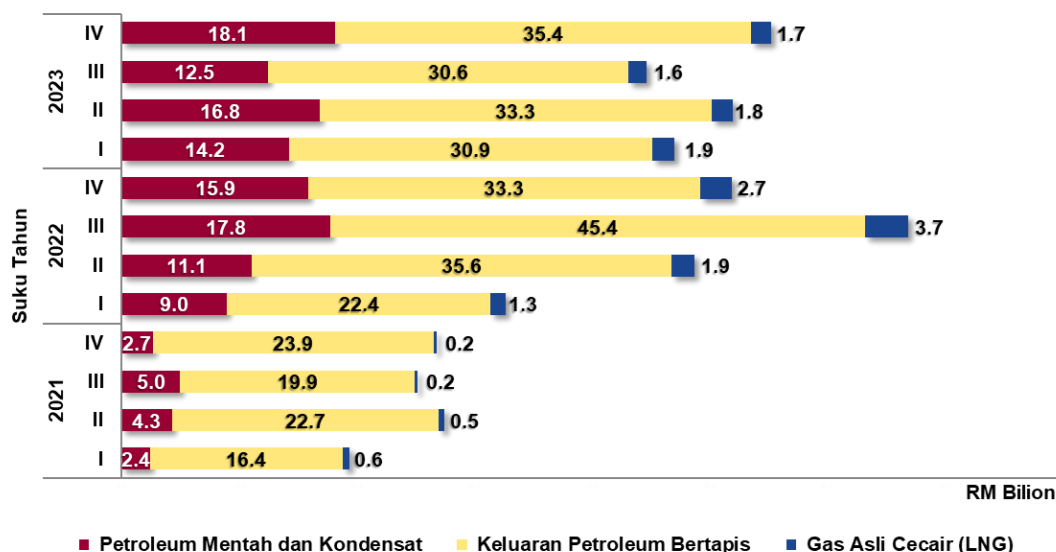




5. Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair (LNG)

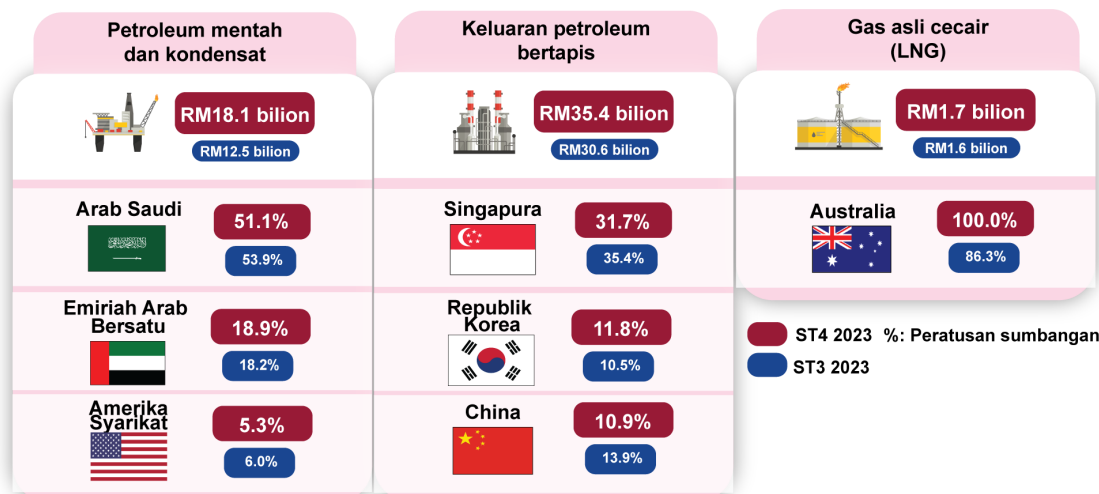
Nilai import Petroleum mentah dan kondensat melonjak kepada RM18.1 bilion selepas merekodkan RM12.5 bilion pada suku tahun sebelumnya. Pada masa yang sama, nilai import Keluaran petroleum bertapis dan LNG turut menunjukkan peningkatan pada suku ini dengan masing-masing mencatatkan RM35.4 bilion (ST3 2023: RM30.6 bilion) dan RM1.7 bilion (ST3 2023: RM1.6 bilion) seperti di **Carta 6**.

Carta 6 Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair (LNG), ST1 2021 - ST4 2023



Arab Saudi kekal sebagai penyumbang utama import Petroleum mentah dan kondensat merangkumi 51.1 peratus dengan nilai sebanyak RM9.3 bilion pada suku keempat 2023. Ini diikuti oleh Emiriah Arab Bersatu (18.9%) dan Amerika Syarikat (5.3%). Bagi import Keluaran petroleum bertapis, Singapura telah menyumbang nilai tertinggi sebanyak RM11.2 bilion (31.7%), diikuti oleh Republik Korea (11.8%) dan China (10.9%). Di samping itu, import LNG pada suku keempat 2023 adalah hanya dari Australia dengan nilai RM1.7 bilion (**Paparan 2**).

Paparan 2 Import mengikut Negara Asal Utama - Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair (LNG)

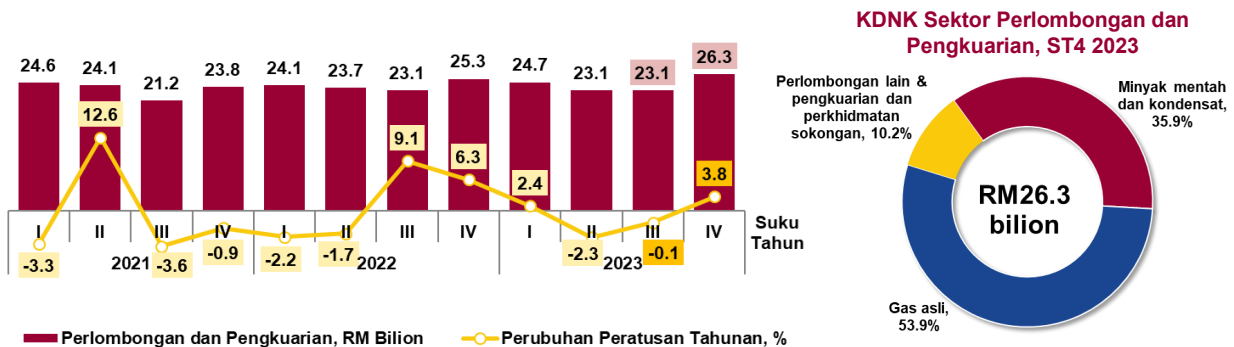




6. Keluaran Dalam Negeri Kasar Sektor Perlombongan dan Pengkuarian pada Harga Malar 2015, Suku Keempat 2023

Keluaran Dalam Negeri Kasar (KDNK) bagi sektor Perlombongan dan pengkuarian pulih kepada 3.8 peratus pada suku keempat 2023 berbanding penurunan marginal 0.1 peratus pada suku sebelumnya seperti yang ditunjukkan di **Carta 7**. Subsektor Gas asli menyumbang secara konsisten melebihi 50 peratus kepada sektor Perlombongan dan pengkuarian, dengan sumbangan 53.9 peratus pada suku tahun ini, diikuti oleh Minyak mentah dan kondensat iaitu 35.9 peratus.

Carta 7 Keluaran Dalam Negeri Kasar Sektor Perlombongan dan Pengkuarian pada Harga Malar 2015, ST1 2021 - ST4 2023

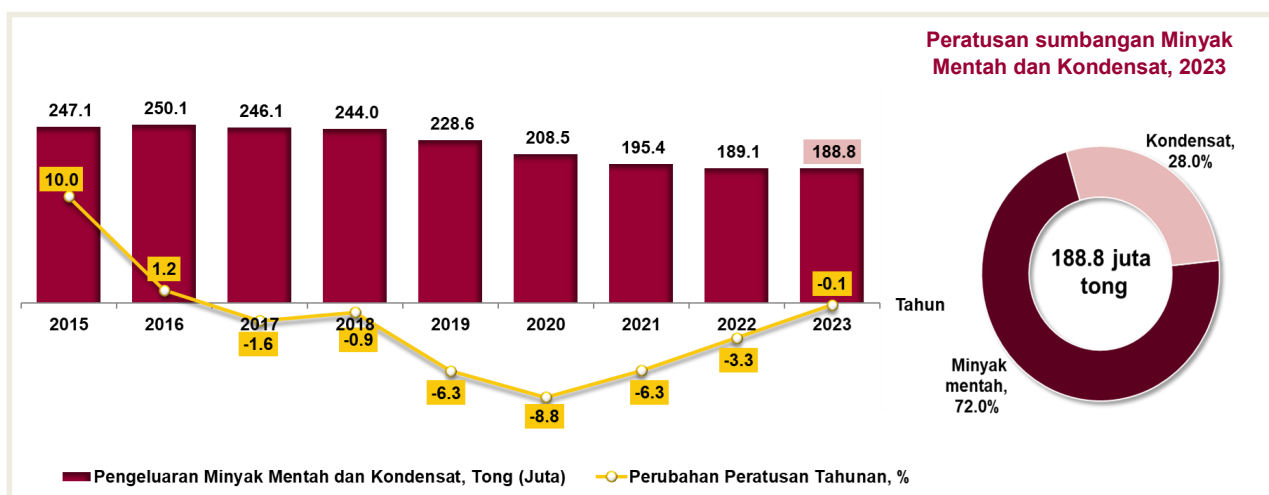


7. Prestasi Pengeluaran Minyak Mentah & Kondensat dan Gas Asli, 2023

Pengeluaran minyak mentah dan kondensat mencatatkan negatif 0.1 peratus kepada 188.8 juta tong pada tahun 2023 berbanding negatif 3.3 peratus pada tahun sebelumnya (2022: 189.1 juta tong). Pertumbuhan ini disumbangkan oleh kenaikan yang signifikan dalam pengeluaran Kondensat iaitu 19.5 peratus.

Dari sudut sumbangan, Minyak mentah menyumbang sebanyak 72.0 peratus atau 136.0 juta tong, manakala 28.0 peratus disumbangkan oleh Kondensat dengan nilai pengeluaran sebanyak 52.8 juta tong (**Carta 8**).

Carta 8 Prestasi Pengeluaran Minyak Mentah dan Kondensat, 2023

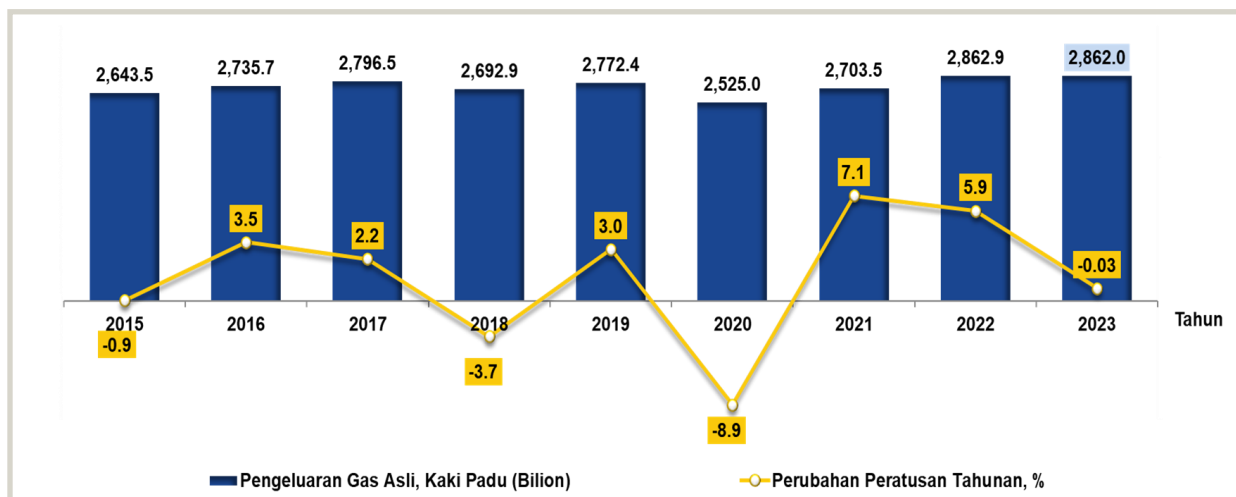


Nota: Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA



Pengeluaran Gas asli menyusut marginal kepada negatif 0.03 peratus dengan nilai pengeluaran 2,862.0 bilion kaki padu pada 2023 berbanding 5.9 peratus pada tahun sebelumnya (2022: 2,862.9 bilion kaki padu) seperti di **Carta 9**.

Carta 9 Prestasi Pengeluaran Gas Asli, 2023

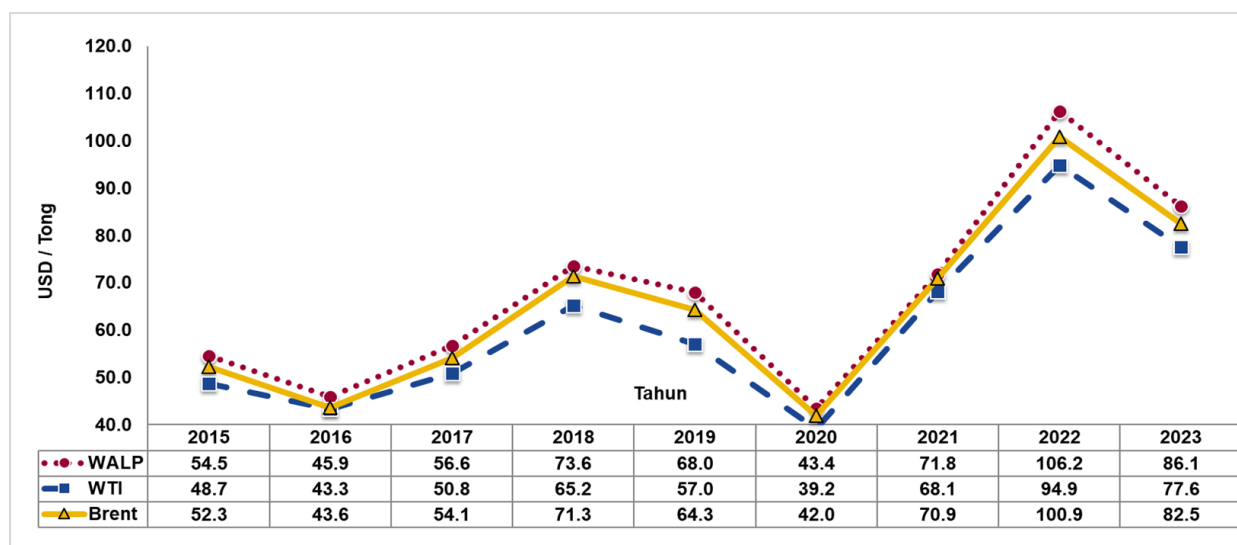


Nota: Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA

8. Harga Minyak Mentah dan Kondensat, 2023

Harga minyak mentah WALP turun kepada USD86.1 per tong pada 2023 berbanding USD106.2 per tong pada tahun sebelumnya. Begitu juga dengan harga minyak WTI dan Brent yang masing-masing jatuh kepada USD77.6 juta tong (2022: USD94.9 per tong) dan USD82.5 per tong (2022: USD100.9 per tong) seperti ditunjukkan di **Carta 10**.

Carta 10 Harga Minyak Mentah dan Kondensat, 2023



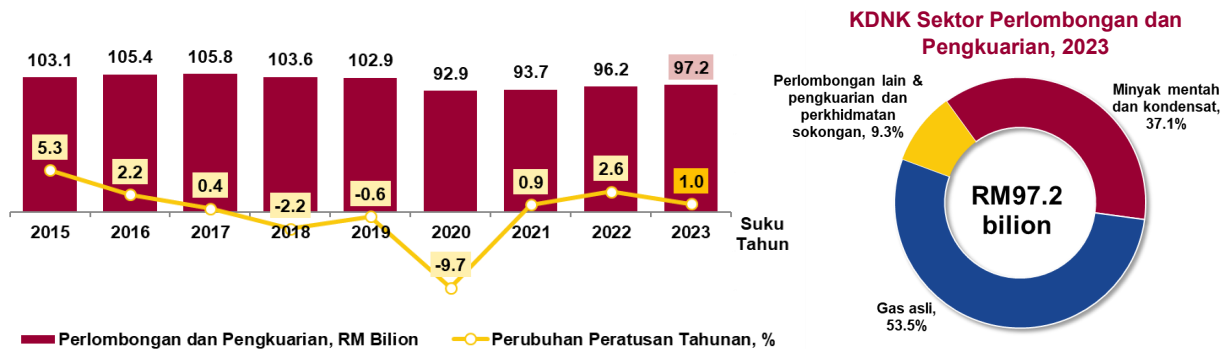
Sumber: PETRONAS dan EIA



9. Keluaran Dalam Negeri Kasar Sektor Perlombongan dan Pengkuarian pada Harga Malar 2015, 2023

Keluaran Dalam Negeri Kasar (KDNK) bagi sektor Perlombongan dan pengkuarian pada 2023 bertumbuh 1.0 peratus berbanding 2.6 peratus yang direkodkan pada tahun lalu. Dari segi komposisi, subsektor Gas asli merupakan penyumbang utama dengan sumbangan sebanyak 53.5 peratus, diikuti oleh Minyak mentah dan kondensat sebanyak 37.1 peratus pada 2023.

Carta 11 Keluaran Dalam Negeri Kasar Sektor Perlombongan dan Pengkuarian pada Harga Malar 2015, 2023





1. Introduction

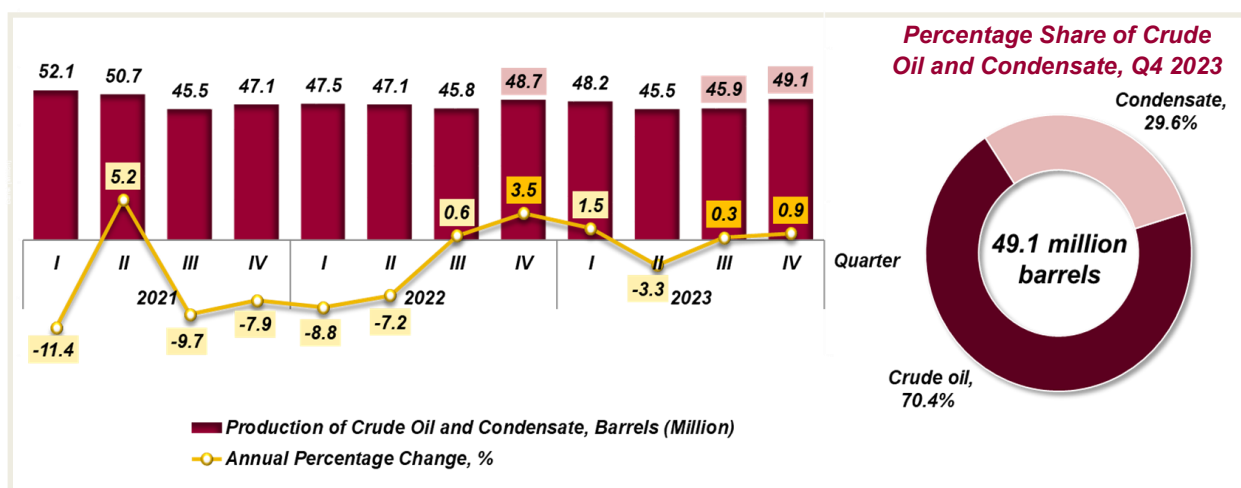
The Mining Petroleum and Natural Gas Statistics presents the production of crude oil, condensate & natural gas statistics; the average price of crude oil; production & sales value of major refined petroleum products; wholesale sales of solid fuels, liquids & gases & related products; and exports & imports of crude petroleum & condensate, refined petroleum products & liquefied natural gas (LNG). This publication also reported the statistics on Gross Domestic Product (GDP), Industrial Production Index (IPI), Producer Price Index (PPI) according to economic activity as well as employment and labour productivity statistics for the Mining and quarrying sector for the period from the first quarter of 2021 to the fourth quarter of 2023. Annual statistics are also included in this publication.

2. Performance of Crude Oil & Condensate and Natural Gas Production, Fourth Quarter of 2023

The production of Crude oil & condensate increased to 0.9 per cent or 49.1 million barrels in the fourth quarter of 2023 (Q3 2023: 45.9 million barrels, 0.3%). The increase was underpinned by the production of Condensate which surged 23.8 per cent as compared to 16.2 per cent in the previous quarter.

In terms of composition, Crude oil contributed the most with 70.4 per cent or equivalent to 34.6 million barrels, while Condensate encompassed 29.6 per cent or 14.5 million barrels in the fourth quarter of 2023 (**Chart 1**).

Chart 1 Performance of Crude Oil and Condensate Production, Q1 2021 - Q4 2023

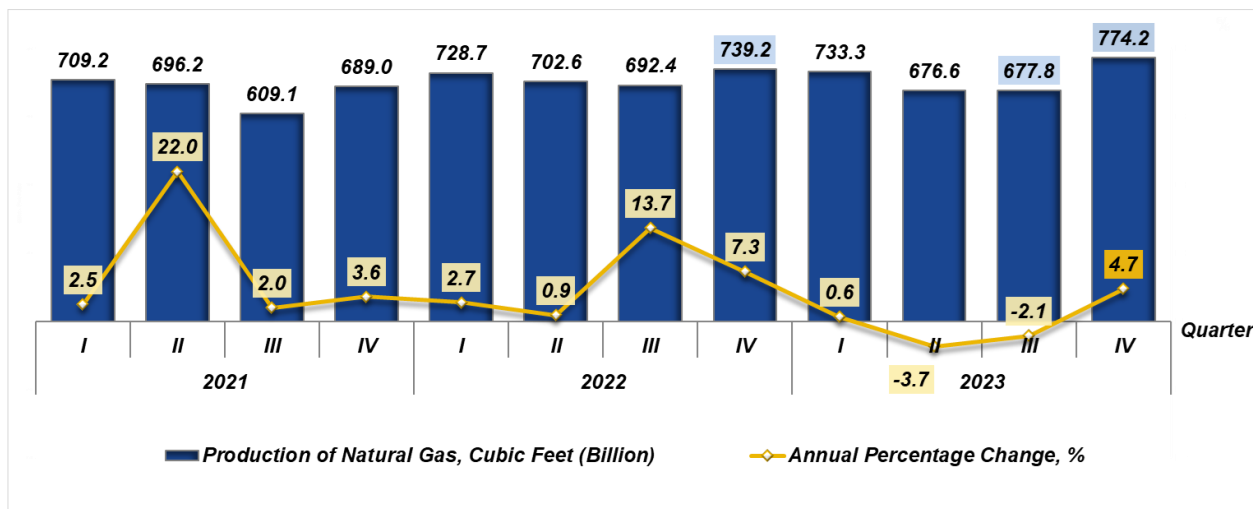


Note: Calculation by DOSM using the statistics from PETRONAS and MTJA



Meanwhile, Natural gas rebounded to 4.7 per cent with a production volume of 774.2 billion cubic feet as compared to negative 2.1 per cent recorded in previous quarter (Q3 2023: 677.8 billion cubic feet) as shown in **Chart 2**.

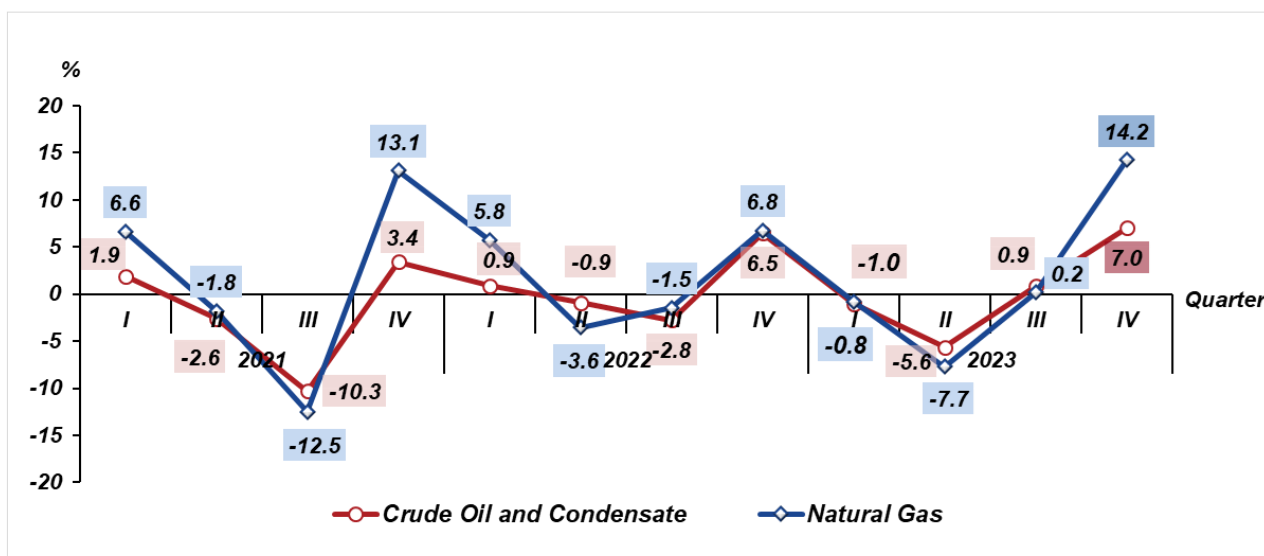
Chart 2 Performance of Natural Gas Production, Q1 2021 - Q4 2023



Note: Calculation by DOSM using the statistics from PETRONAS and MTJA

As for the quarter-on-quarter comparison, the production of Crude oil and condensate grew by 7.0 per cent (Q3 2023: 0.9%). The performance was supported by a growth in Condensate production at 13.3 per cent (Q3 2023: 2.9%). In the meantime, the production of Natural gas also recorded a significant increase of 14.2 per cent as compared to 0.2 per cent recorded in the previous quarter as displayed in **Chart 3**.

Chart 3 Production of Crude Oil & Condensate and Natural Gas, Q1 2021 - Q4 2023 - Percentage Change from the Preceding Quarter



Note: Calculation by DOSM using the statistics from PETRONAS and MTJA

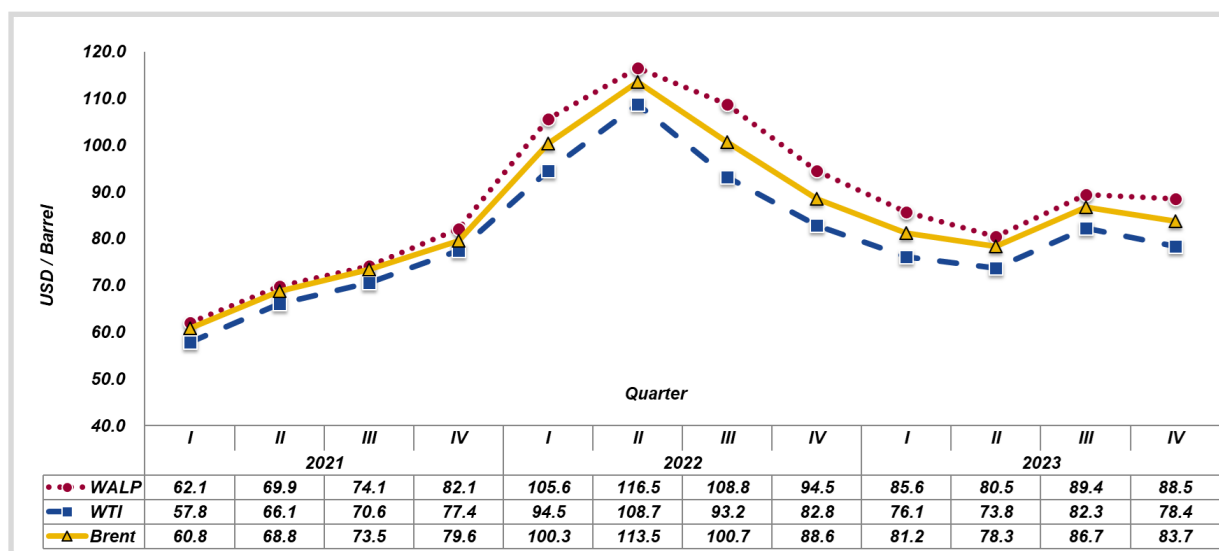


3. Prices of Crude Oil and Condensate, Fourth Quarter of 2023

West Texas Intermediate (WTI) and Brent are used to evaluate the performance of Crude oil and condensate in the global market. Meanwhile, the Weighted Average Lifting Price (WALP) is a gazetted price and used in Malaysia. WTI refers to crude oil produced in the United States, particularly in the Texas region, while Brent refers to crude oil produced in several oil fields in the North Sea, primarily in offshore waters of the United Kingdom.

The prices of Crude oil and condensate in the fourth quarter 2023 showed a decrease after recording an increase in the previous quarter. The WALP of Crude oil and condensate price was USD88.5 per barrel (Q3 2023: USD89.4 per barrel). Meanwhile, the price per barrel of WTI and Brent recorded USD78.4 (Q3 2023: USD82.3) and USD83.7 (Q3 2023: USD86.7) respectively as shown in **Chart 4**.

Chart 4 Prices of Crude Oil and Condensate, Q1 2021 - Q4 2023



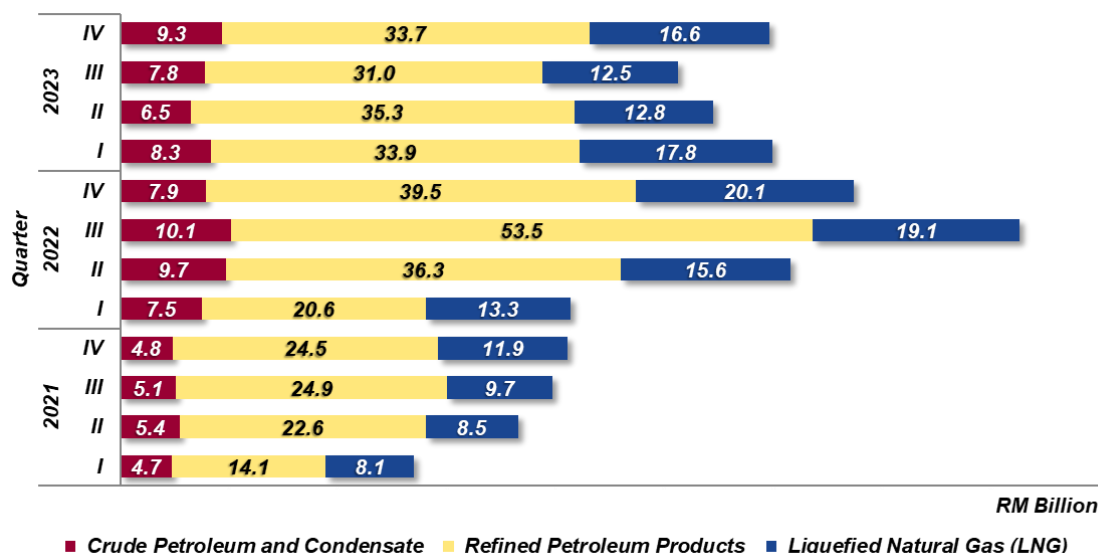
Source: PETRONAS and EIA



4. Exports for Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas (LNG)

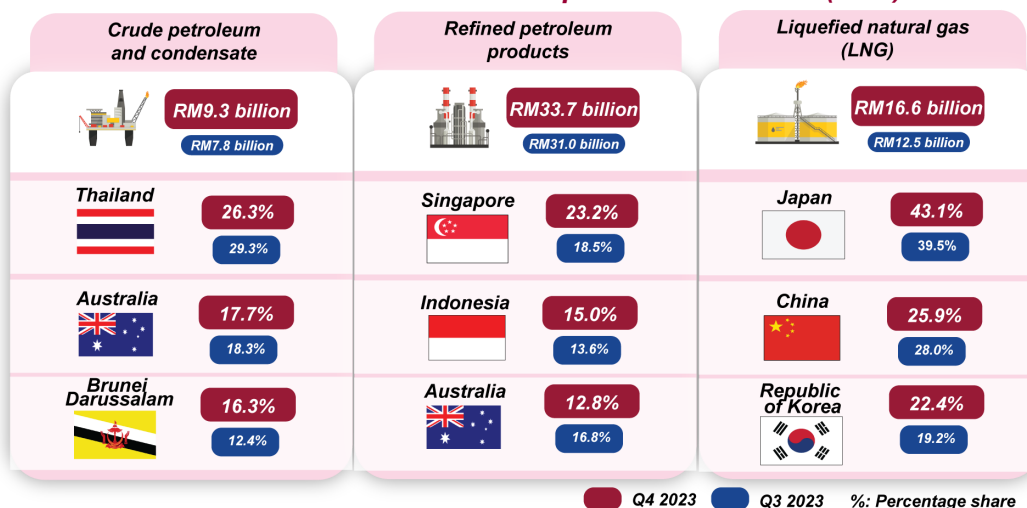
Overall, export value for the three commodities showed an increase in the fourth quarter of 2023. The Crude petroleum and condensate increased to RM9.3 billion as compared to RM7.8 billion in the previous quarter. Likewise, the export value for Refined petroleum products and LNG increased to RM33.7 billion (Q3 2023: RM31.0 billion) and RM16.6 billion (Q3 2023: RM12.5 billion) respectively as in **Chart 5**.

Chart 5 Exports of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas (LNG), Q1 2021 - Q4 2023



Thailand continued to dominate the major destination exports for Crude petroleum and condensate in this quarter with RM2.5 billion or encompassing 26.3 per cent, followed by Australia (17.7%) and Brunei Darussalam (16.3%). Meanwhile, Singapore was the major destination of Refined petroleum products by RM7.8 billion or 23.2 per cent. This was followed by Indonesia and Australia with a contribution of 15.0 per cent and 12.8 per cent respectively. Whereas, a total of RM6.9 billion or 43.1 per cent of LNG was exported to Japan, followed by China (25.9%) and the Republic of Korea (22.4%) as shown in **Exhibit 1**.

Exhibit 1 Exports by Major Country of Destination - Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas (LNG)

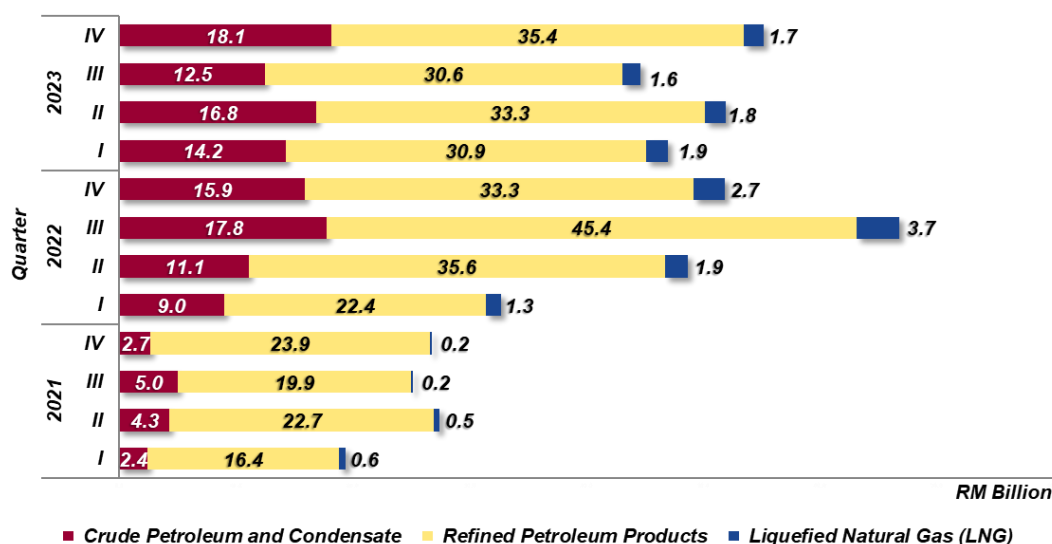




5. Imports for Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas (LNG)

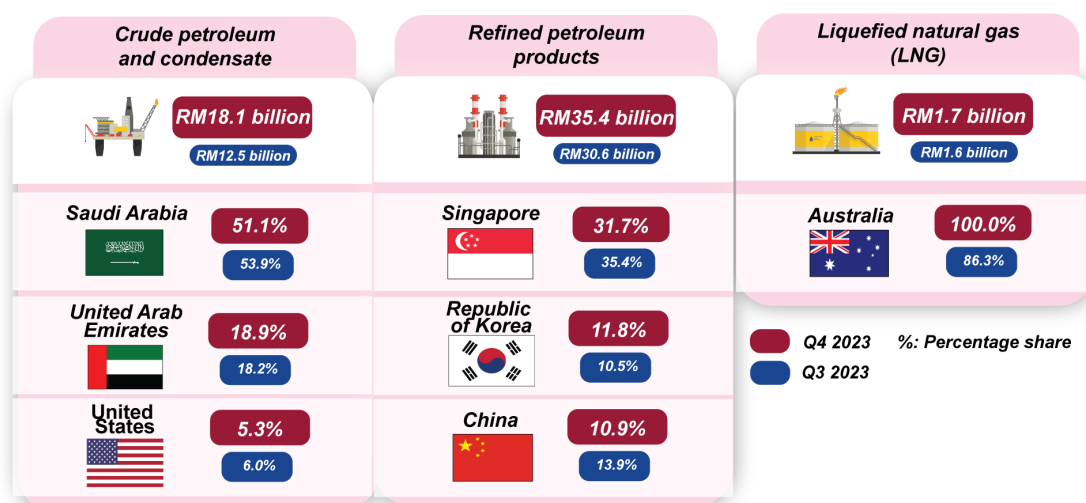
The import value of Crude petroleum and condensate surged by RM18.1 billion as compared to RM12.5 billion recorded in the previous quarter. In the meantime, the imports of Refined petroleum products and LNG posted an increase in this quarter with RM35.4 billion (Q3 2023: RM30.6 billion) and RM1.7 billion (Q3 2023: RM1.6 billion) respectively as depicted in **Chart 6**.

Chart 6 Imports of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas (LNG), Q1 2021 - Q4 2023



Saudi Arabia stood as the main contributor to the import of crude oil and condensate, comprising 51.1 per cent with a value of RM9.3 billion in the fourth quarter of 2023. This was followed by the United Arab Emirates (18.9%) and United States of America (5.3%). As for the imports of Refined petroleum products, Singapore contributed the highest value of RM11.2 billion (31.7%), followed by the Republic of Korea (11.8%) and China (10.9%). Furthermore, the import of LNG in the fourth quarter of 2023 was only from Australia, with a value of RM1.7 billion (**Exhibit 2**).

Exhibit 2 Imports by Major Country of Origin - Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas (LNG)

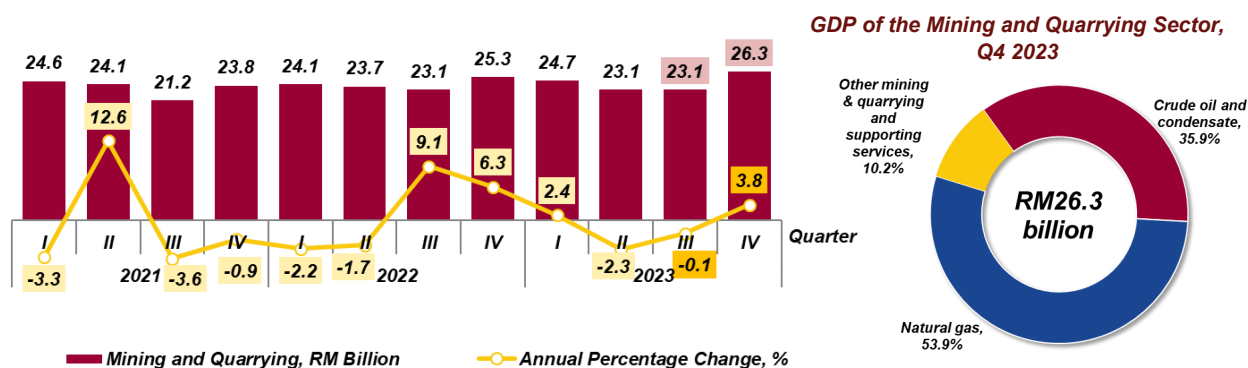




6. Gross Domestic Product of the Mining and Quarrying Sector at Constant 2015 Prices, Fourth Quarter of 2023

The Gross Domestic Product (GDP) for the Mining and quarrying sector rebounded to 3.8 per cent in the fourth quarter of 2023 from a marginal decline of 0.1 per cent in the previous quarter as shown in **Chart 7**. The Natural gas subsector which consistently contributed over 50 per cent to the Mining and quarrying sector, posted a share of 53.9 per cent in this quarter, followed by Crude oil and condensate at 35.9 per cent.

Chart 7 Gross Domestic Product of the Mining and Quarrying Sector at Constant 2015 Prices, Q1 2021 - Q4 2023

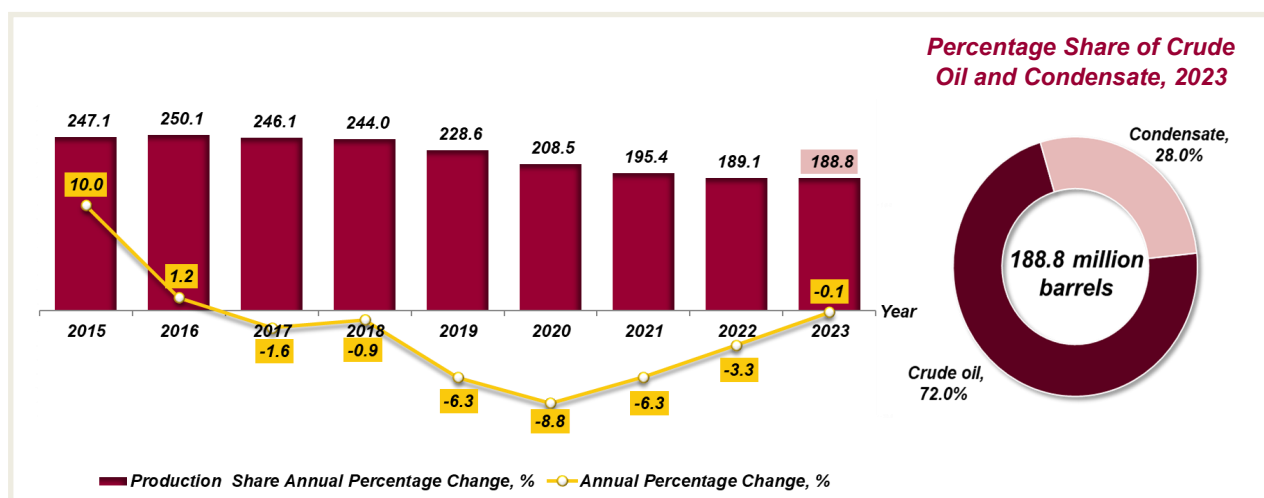


7. Performance of Crude Oil & Condensate and Natural Gas Production, 2023

The production of Crude oil & condensate recorded a negative 0.1 per cent to 188.8 million barrels in 2023 as compared to a negative 3.3 per cent in the previous year (2022: 189.1 million barrels). The growth contributed by a significant increase in Condensate production by 19.5 per cent.

In terms of contribution, Crude oil encompassed 72.0 per cent or 136.0 million barrels, while 28.0 per cent was contributed by Condensate with the production value of 52.8 million barrels (**Chart 8**).

Chart 8 Performance of Crude Oil and Condensate Production, 2023

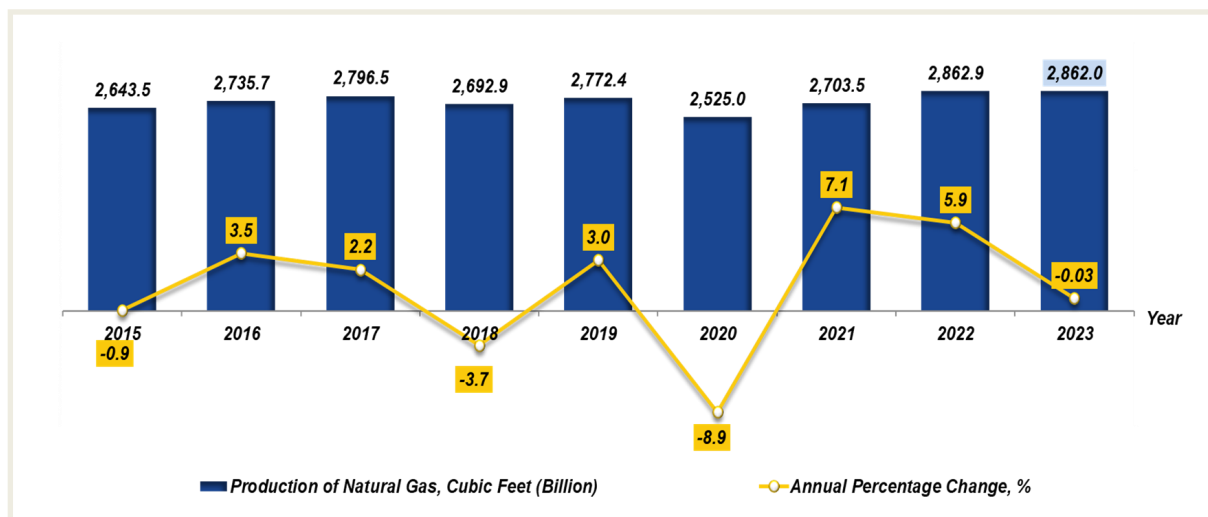


Note: Calculation by DOSM using the statistics from PETRONAS and MTJA



The production of Natural Gas dropped marginally to negative 0.03 per cent with a production value of 2,862.0 billion cubic feet in 2023 as compared to 5.9 per cent in previous year (2022: 2,862.9 billion cubic feet) as in **Chart 9**.

Chart 9 Performance of Natural Gas Production, 2023

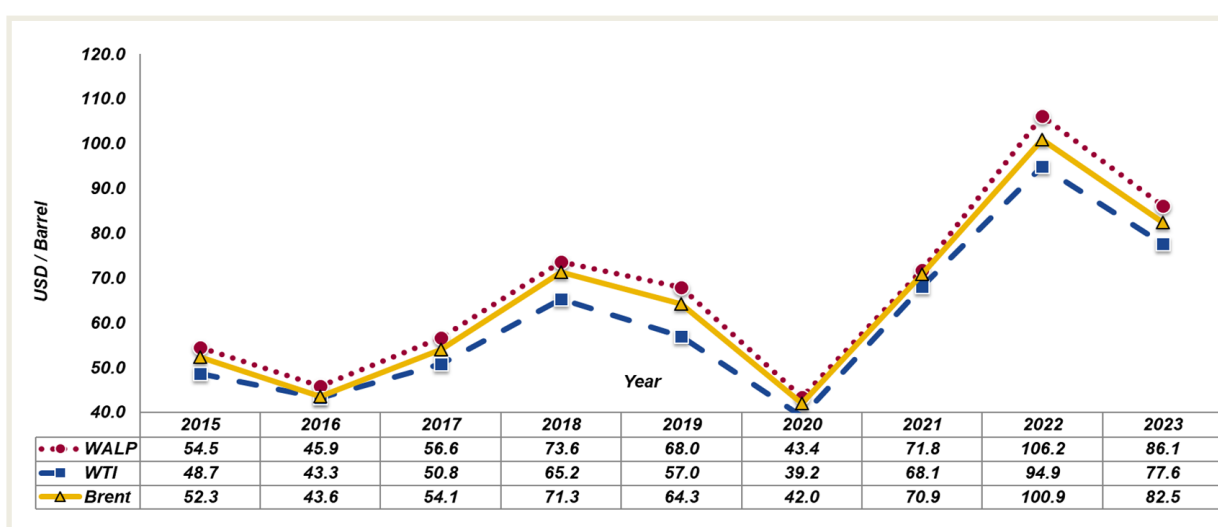


Note: Calculation by DOSM using the statistics from PETRONAS and MTJA

8. Price of Crude Oil and Condensate, 2023

The price of WALP crude oil decreased to USD86.1 per barrel in 2023 as compared to USD106.2 per barrel in the previous year. Likewise, the price of WTI and Brent oil also dropped to USD77.6 per barrel (2022: USD94.9 per barrel) and USD82.5 per barrel (2022: USD100.9 per barrel) respectively as shown in **Chart 10**.

Chart 10 Prices of Crude Oil and Condensate, 2023



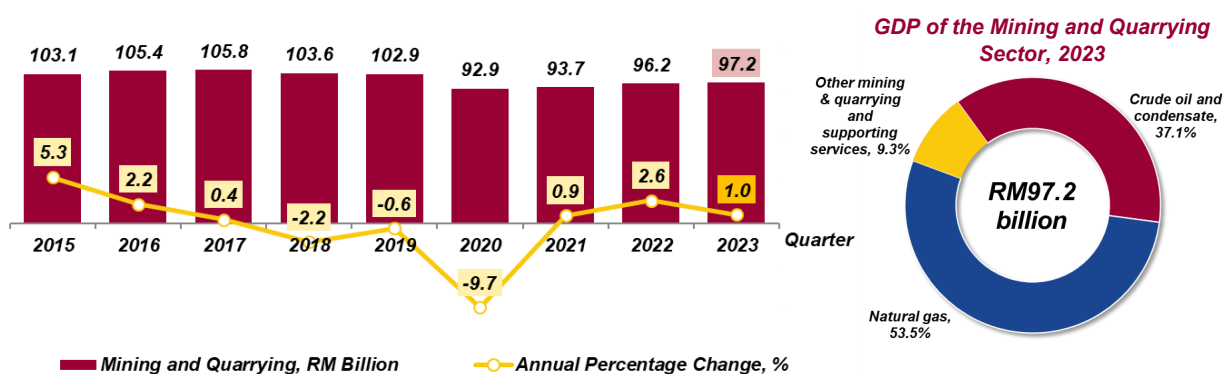
Source: PETRONAS and EIA



9. Gross Domestic Product of The Mining and Quarrying Sector at Constant 2015 Prices, 2023

The Gross Domestic Product (GDP) for the Mining and quarrying sector in 2023 grew 1.0 per cent as compared to 2.6 per cent recorded in the previous year. In terms of composition, Natural gas subsector was the main contributor with a share of 53.5 per cent, followed by Crude oil and condensate by 37.1 per cent in 2023.

Chart 11 Gross Domestic Product of the Mining and Quarrying Sector at Constant 2015 Prices , 2023



BAHAGIAN *PART*

2



JADUAL STATISTIK *STATISTICAL TABLES*

1a **Pengeluaran Minyak Mentah & Kondensat dan Gas Asli - Tahunan**
Production of Crude Oil & Condensate and Natural Gas - Annually

Keterangan <i>Description</i>		2015	2016	2017	2018	2019	2020	2021 ^r	2022 ^p	2023 ^p
(A) Pengeluaran <i>Production</i>										
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>	Juta Tong <i>Million Barrels</i>	247.1	250.1	246.1	244.0	228.6	208.5	195.4	189.1	188.8
Minyak Mentah <i>Crude Oil</i>	Juta Tong <i>Million Barrels</i>	202.8	205.4	202.4	197.4	182.8	167.4	152.2	144.9	136.0
Kondensat <i>Condensate</i>	Juta Tong <i>Million Barrels</i>	44.3	44.7	43.7	46.6	45.8	41.1	43.2	44.2	52.8
Gas Asli <i>Natural Gas</i>	BCF	2,643.5	2,735.7	2,796.5	2,692.9	2,772.4	2,525.0	2,703.5	2,862.9	2,862.0
(B) Perubahan Peratusan Tahunan <i>Annual Percentage Change</i>										
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>		10.0	1.2	-1.6	-0.9	-6.3	-8.8	-6.3	-3.3	-0.1
Minyak Mentah <i>Crude Oil</i>		12.4	1.3	-1.5	-2.4	-7.4	-8.4	-9.1	-4.8	-6.1
Kondensat <i>Condensate</i>		0.2	0.9	-2.2	6.5	-1.7	-10.2	5.2	2.2	19.5
Gas Asli <i>Natural Gas</i>		-0.9	3.5	2.2	-3.7	3.0	-8.9	7.1	5.9	-0.03
(C) Peratusan Sumbangan <i>Percentage Share</i>										
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Minyak Mentah <i>Crude Oil</i>		82.1	82.1	82.2	80.9	80.0	80.3	77.9	76.6	72.0
Kondensat <i>Condensate</i>		17.9	17.9	17.8	19.1	20.0	19.7	22.1	23.4	28.0
Gas Asli <i>Natural Gas</i>		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Nota / Notes :

Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA
Calculation by DOSM using the statistics from PETRONAS and MTJA

^p **Awalan / Preliminary**

^r **Disemak / Revised**

1b **Pengeluaran Minyak Mentah & Kondensat dan Gas Asli - Suku Tahunan**
Production of Crude Oil & Condensate and Natural Gas - Quarterly

Keterangan Description		2021 ^r				2022 ^p				2023 ^p			
		I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Pengeluaran <i>Production</i>													
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>	Juta Tong <i>Million Barrels</i>	52.1	50.7	45.5	47.1	47.5	47.1	45.8	48.7	48.2	45.5	45.9	49.1
Minyak Mentah <i>Crude Oil</i>	Juta Tong <i>Million Barrels</i>	40.2	39.6	35.8	36.6	37.3	35.9	34.7	37.0	35.3	33.1	33.1	34.6
Kondensat <i>Condensate</i>	Juta Tong <i>Million Barrels</i>	11.9	11.2	9.7	10.5	10.2	11.2	11.0	11.7	13.0	12.5	12.8	14.5
Gas Asli <i>Natural Gas</i>	BCF	709.2	696.2	609.1	689.0	728.7	702.6	692.4	739.2	733.3	676.6	677.8	774.2
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya <i>Percentage Change from Corresponding Quarter of Preceding Year</i>													
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>		-11.4	5.2	-9.7	-7.9	-8.8	-7.2	0.6	3.5	1.5	-3.3	0.3	0.9
Minyak Mentah <i>Crude Oil</i>		-14.9	1.9	-12.1	-9.9	-7.2	-9.4	-3.0	1.0	-5.5	-7.9	-4.8	-6.4
Kondensat <i>Condensate</i>		2.7	18.9	0.3	0.1	-14.2	0.5	13.5	12.1	27.0	11.3	16.2	23.8
Gas Asli <i>Natural Gas</i>		2.5	22.0	2.0	3.6	2.7	0.9	13.7	7.3	0.6	-3.7	-2.1	4.7
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya <i>Percentage Change from Preceding Quarter</i>													
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>		1.9	-2.6	-10.3	3.4	0.9	-0.9	-2.8	6.5	-1.0	-5.6	0.9	7.0
Minyak Mentah <i>Crude Oil</i>		-1.1	-1.5	-9.6	2.3	1.9	-3.8	-3.2	6.5	-4.7	-6.3	0.1	4.6
Kondensat <i>Condensate</i>		13.8	-6.3	-12.8	7.7	-2.5	9.7	-1.5	6.4	10.4	-3.8	2.9	13.3
Gas Asli <i>Natural Gas</i>		6.6	-1.8	-12.5	13.1	5.8	-3.6	-1.5	6.8	-0.8	-7.7	0.2	14.2
(D) Peratusan Sumbangan <i>Percentage Share</i>													
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Minyak Mentah <i>Crude Oil</i>		77.2	78.0	78.6	77.8	78.5	76.2	75.9	75.9	73.1	72.6	72.1	70.4
Kondensat <i>Condensate</i>		22.8	22.0	21.4	22.2	21.5	23.8	24.1	24.1	26.9	27.4	27.9	29.6
Gas Asli <i>Natural Gas</i>		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Nota / Notes :

Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA
Calculation by DOSM using the statistics from PETRONAS and MTJA

^p **Awalan / Preliminary**

^r **Disemak / Revised**

2a **Harga Minyak dan Gas - Tahunan**
Price of Oil and Gas - Annually

Keterangan <i>Description</i>	2015	2016	2017	2018	2019	2020	2021	2022	2023
(A) Harga (US Dollar) <i>Price (US Dollar)</i>									
Harga Purata 'Lifting' Berpemberat (USD/Tong) <i>Weighted Average Lifting Price (USD/Barrel)</i>	54.5	45.9	56.6	73.6	68.0	43.4	71.8	106.2	86.1
Cushing, OK WTI Spot Price FOB <i>[Products in Dollars per Barrel]</i>	48.7	43.3	50.8	65.2	57.0	39.2	68.1	94.9	77.6
Europe Brent Spot Price FOB <i>[Products in Dollars per Barrel]</i>	52.3	43.6	54.1	71.3	64.3	42.0	70.9	100.9	82.5
Natural Gas Spot and Futures Prices (NYMEX) <i>[Dollars per Million Btu]</i>	2.6	2.5	3.0	3.2	2.6	2.0	3.9	6.5	2.5
(B) Perubahan Peratusan Tahunan <i>Annual Percentage Change</i>									
Harga Purata 'Lifting' Berpemberat (USD/Tong) <i>Weighted Average Lifting Price (USD/Barrel)</i>	-46.7	-15.9	23.5	29.9	-7.6	-36.1	65.4	47.8	-18.9
Cushing, OK WTI Spot Price FOB <i>[Products in Dollars per Barrel]</i>	-47.8	-11.0	17.3	28.4	-12.6	-31.3	74.0	39.3	-18.3
Europe Brent Spot Price FOB <i>[Products in Dollars per Barrel]</i>	-47.1	-16.6	24.0	31.8	-9.9	-34.7	68.9	42.4	-18.3
Natural Gas Spot and Futures Prices (NYMEX) <i>[Dollars per Million Btu]</i>	-40.0	-3.8	18.7	5.4	-18.8	-20.7	91.6	65.8	-60.8

Sumber / Sources : Energy Information Association (EIA) & PETRONAS

2b

Harga Minyak dan Gas - Suku Tahunan

Price of Oil and Gas - Quarterly

Keterangan Description	2021				2022				2023			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Harga (US Dollar) Price (US Dollar)												
Harga Purata 'Lifting' Berpemberat (USD/Tong) Weighted Average Lifting Price (USD/Barrel)	62.1	69.9	74.1	82.1	105.6	116.5	108.8	94.5	85.6	80.5	89.4	88.5
Cushing, OK WTI Spot Price FOB [Products in Dollars per Barrel]	57.8	66.1	70.6	77.4	94.5	108.7	93.2	82.8	76.1	73.8	82.3	78.4
Europe Brent Spot Price FOB [Products in Dollars per Barrel]	60.8	68.8	73.5	79.6	100.3	113.5	100.7	88.6	81.2	78.3	86.7	83.7
Natural Gas Spot and Futures Prices (NYMEX) [Dollars per Million Btu]	3.6	2.9	4.4	4.8	4.7	7.5	8.0	5.5	2.7	2.2	2.6	2.7
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year												
Harga Purata 'Lifting' Berpemberat (USD/Tong) Weighted Average Lifting Price (USD/Barrel)	11.4	149.9	67.7	89.4	70.1	66.7	46.7	15.1	-18.9	-30.9	-17.8	-6.4
Cushing, OK WTI Spot Price FOB [Products in Dollars per Barrel]	26.3	137.7	72.7	82.4	63.4	64.5	31.9	6.9	-19.5	-32.2	-11.7	-5.3
Europe Brent Spot Price FOB [Products in Dollars per Barrel]	20.6	134.6	71.0	79.7	64.9	65.0	37.1	11.3	-19.1	-31.0	-14.0	-5.5
Natural Gas Spot and Futures Prices (NYMEX) [Dollars per Million Btu]	86.7	72.5	118.2	88.7	30.8	154.1	83.4	16.2	-43.0	-71.1	-67.6	-50.7
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter												
Harga Purata 'Lifting' Berpemberat (USD/Tong) Weighted Average Lifting Price (USD/Barrel)	43.2	12.5	6.1	10.8	28.6	10.3	-6.6	-13.1	-9.4	-6.0	11.1	-1.0
Cushing, OK WTI Spot Price FOB [Products in Dollars per Barrel]	36.1	14.4	6.9	9.7	22.0	15.1	-14.3	-11.2	-8.1	-3.0	11.6	-4.7
Europe Brent Spot Price FOB [Products in Dollars per Barrel]	37.3	13.2	6.7	8.3	26.0	13.2	-11.3	-12.1	-8.3	-3.5	10.7	-3.4
Natural Gas Spot and Futures Prices (NYMEX) [Dollars per Million Btu]	40.7	-17.3	48.0	9.6	-2.4	60.6	6.8	-30.6	-52.2	-18.5	19.7	5.7

Sumber / Sources : Energy Information Association (EIA) & PETRONAS

3a **Pengeluaran Produk Petroleum Bertapis - Tahunan**
Production of Refined Petroleum Products - Annually

Keterangan Description	2015	2016	2017	2018	2019	2020	2021	2022	2023
(A) Pengeluaran ('000 Tan Metrik) <i>Production ('000 Metric Tonnes)</i>									
Gas Asli Cecair / Liquefied Natural Gas	25,421	26,203	27,107	28,161	28,672	26,576	29,012	31,283	31,280
Gas Petroleum Cecair / Liquefied Petroleum Gas	2,293	2,365	2,449	2,722	2,901	2,549	2,693	2,678	2,325
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	5,372	5,539	5,733	5,828	5,862	4,981	6,433	6,466	4,639
Minyak Bahan Api / Fuel Oil	2,642	2,720	2,815	2,802	2,701	2,089	2,119	1,990	1,935
Minyak Diesel / Gas / Diesel / Gas Oil	11,395	11,749	12,151	12,216	13,019	10,922	12,881	15,332	16,187
Minyak Pelincir Campuran / Blended Lubricating Oil	89	83	150	158	138	92	107	145	186
Minyak Tanah / Kerosene	3,706	3,817	3,947	4,123	4,236	3,695	4,168	3,158	3,275
Nafta / Naptha	3,787	3,904	4,045	4,266	4,336	3,754	3,901	3,259	2,975
Jumlah / Total	54,704	56,381	58,397	60,277	61,864	54,658	61,314	64,311	62,803
(B) Perubahan Peratusan Tahunan <i>Annual Percentage Change</i>									
Gas Asli Cecair / Liquefied Natural Gas	-2.8	3.1	3.5	3.9	1.8	-7.3	9.2	7.8	0.0
Gas Petroleum Cecair / Liquefied Petroleum Gas	-3.8	3.1	3.5	11.2	6.6	-12.1	5.6	-0.6	-13.2
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	1.2	3.1	3.5	1.7	0.6	-15.0	29.2	0.5	-28.3
Minyak Bahan Api / Fuel Oil	-0.3	3.0	3.5	-0.5	-3.6	-22.7	1.4	-6.1	-2.8
Minyak Diesel / Gas / Diesel / Gas Oil	2.9	3.1	3.4	0.5	6.6	-16.1	17.9	19.0	5.6
Minyak Pelincir Campuran / Blended Lubricating Oil	-42.9	-7.0	80.7	5.4	-12.4	-33.3	15.4	35.7	28.8
Minyak Tanah / Kerosene	6.3	3.0	3.4	4.5	2.7	-12.8	12.8	-24.2	3.7
Nafta / Naptha	6.4	3.1	3.6	5.5	1.6	-13.4	3.9	-16.5	-8.7
Jumlah / Total	-0.1	3.1	3.6	3.2	2.6	-11.6	12.2	4.9	-2.3
(C) Peratusan Sumbangan <i>Percentage Share</i>									
Gas Asli Cecair / Liquefied Natural Gas	46.5	46.5	46.4	46.7	46.3	48.6	47.3	48.6	49.8
Gas Petroleum Cecair / Liquefied Petroleum Gas	4.2	4.2	4.2	4.5	4.7	4.7	4.4	4.2	3.7
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	9.8	9.8	9.8	9.7	9.5	9.1	10.5	10.1	7.4
Minyak Bahan Api / Fuel Oil	4.8	4.8	4.8	4.6	4.4	3.8	3.5	3.1	3.1
Minyak Diesel / Gas / Diesel / Gas Oil	20.8	20.8	20.8	20.3	21.0	20.0	21.0	23.8	25.8
Minyak Pelincir Campuran / Blended Lubricating Oil	0.2	0.1	0.3	0.3	0.2	0.2	0.2	0.2	0.3
Minyak Tanah / Kerosene	6.8	6.8	6.8	6.8	6.8	6.8	6.8	4.9	5.2
Nafta / Naptha	6.9	6.9	6.9	7.1	7.0	6.9	6.4	5.1	4.7
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Perangkaan Pembuatan Bulanan
Source : Monthly Manufacturing Statistics

3b **Pengeluaran Produk Petroleum Bertapis - Suku Tahunan**
Production of Refined Petroleum Products - Quarterly

Keterangan Description	2021				2022				2023			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Pengeluaran ('000 Tan Metrik) <i>Production ('000 Metric Tonnes)</i>												
Gas Asli Cecaair / Liquefied Natural Gas	7,637	6,904	7,202	7,269	8,023	7,385	8,337	7,539	8,390	7,069	7,888	7,933
Gas Petroleum Cecaair / Liquefied Petroleum Gas	657	650	658	728	673	705	654	645	670	528	605	521
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	1,473	1,541	1,760	1,660	1,446	1,827	1,834	1,359	1,159	1,327	1,269	883
Minyak Bahan Api / Fuel Oil	523	509	574	512	516	446	500	529	438	478	558	462
Minyak Diesel / Gas / Diesel / Gas Oil	2,975	2,682	3,632	3,593	3,401	2,804	4,374	4,753	4,741	3,070	4,009	4,368
Minyak Pelincir Campuran / Blended Lubricating Oil	19	24	34	30	23	29	48	45	36	41	52	56
Minyak Tanah / Kerosene	927	1,034	1,097	1,110	827	774	745	812	799	1,009	701	767
Nafta / Naptha	1,024	965	968	945	865	805	806	783	738	937	643	657
Jumlah / Total	15,235	14,309	15,925	15,846	15,773	14,776	17,297	16,465	16,971	14,460	15,726	15,647
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya <i>Percentage Change from Corresponding Quarter of Preceding Year</i>												
Gas Asli Cecaair / Liquefied Natural Gas	1.4	33.9	10.4	-1.4	5.1	7.0	15.8	3.7	4.6	-4.3	-5.4	5.2
Gas Petroleum Cecaair / Liquefied Petroleum Gas	-10.5	24.6	2.1	12.2	2.5	8.5	-0.6	-11.4	-0.4	-25.1	-7.4	-19.2
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	-6.7	82.0	46.6	22.5	-1.8	18.6	4.2	-18.1	-19.8	-27.4	-30.8	-35.0
Minyak Bahan Api / Fuel Oil	-36.7	41.3	33.1	8.8	-1.4	-12.5	-12.9	3.3	-15.1	7.1	11.6	-12.7
Minyak Diesel / Gas / Diesel / Gas Oil	-16.8	41.4	35.6	29.6	14.3	4.6	20.4	32.3	39.4	9.5	-8.3	-8.1
Minyak Pelincir Campuran / Blended Lubricating Oil	-23.7	39.4	28.4	24.0	23.8	21.0	40.3	49.6	56.3	43.9	9.1	25.9
Minyak Tanah / Kerosene	-20.2	38.6	26.7	20.4	-10.8	-25.1	-32.1	-26.9	-3.4	30.4	-5.9	-5.6
Nafta / Naptha	-12.1	13.4	20.5	1.0	-15.5	-16.6	-16.8	-17.1	-14.7	16.4	-20.2	-16.2
Jumlah / Total	-8.2	37.7	20.9	9.3	3.5	3.3	8.6	3.9	7.6	-2.1	-9.1	-5.0
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya <i>Percentage Change from Preceding Quarter</i>												
Gas Asli Cecaair / Liquefied Natural Gas	3.6	-9.6	4.3	0.9	10.4	-7.9	12.9	-9.6	11.3	-15.7	11.6	0.6
Gas Petroleum Cecaair / Liquefied Petroleum Gas	1.2	-1.0	1.2	10.7	-7.6	4.8	-7.3	-1.3	3.8	-21.2	14.6	-13.9
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	8.7	4.7	14.2	-5.7	-12.9	26.4	0.3	-25.9	-14.7	14.5	-4.4	-30.4
Minyak Bahan Api / Fuel Oil	11.3	-2.7	12.7	-10.9	0.8	-13.6	12.2	5.7	-17.2	9.1	16.9	-17.3
Minyak Diesel / Gas / Diesel / Gas Oil	7.3	-9.8	35.4	-1.1	-5.3	-17.5	56.0	8.7	-0.3	-35.2	30.6	8.9
Minyak Pelincir Campuran / Blended Lubricating Oil	-22.1	25.8	43.5	-11.8	-22.2	23.0	66.4	-6.0	-18.7	13.2	26.0	8.5
Minyak Tanah / Kerosene	0.6	11.5	6.1	1.2	-25.5	-6.4	-3.7	9.0	-1.6	26.3	-30.5	9.4
Nafta / Naptha	9.5	-5.8	0.3	-2.4	-8.4	-7.0	0.1	-2.8	-5.8	26.9	-31.3	2.1
Jumlah / Total	5.1	-6.1	11.3	-0.5	-0.5	-6.3	17.1	-4.8	3.1	-14.8	8.8	-0.5
(D) Peratusan Sumbangan <i>Percentage Share</i>												
Gas Asli Cecaair / Liquefied Natural Gas	50.1	48.2	45.2	45.9	50.9	50.0	48.2	45.8	49.4	48.9	50.2	50.7
Gas Petroleum Cecaair / Liquefied Petroleum Gas	4.3	4.5	4.1	4.6	4.3	4.8	3.8	3.9	3.9	3.7	3.8	3.3
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	9.7	10.8	11.0	10.5	9.2	12.4	10.6	8.3	6.8	9.2	8.1	5.6
Minyak Bahan Api / Fuel Oil	3.4	3.6	3.6	3.2	3.3	3.0	2.9	3.2	2.6	3.3	3.5	3.0
Minyak Diesel / Gas / Diesel / Gas Oil	19.5	18.7	22.8	22.7	21.6	19.0	25.3	28.9	27.9	21.2	25.5	27.9
Minyak Pelincir Campuran / Blended Lubricating Oil	0.1	0.2	0.2	0.2	0.1	0.2	0.3	0.3	0.2	0.3	0.3	0.4
Minyak Tanah / Kerosene	6.1	7.2	6.9	7.0	5.2	5.2	4.3	4.9	4.7	7.0	4.5	4.9
Nafta / Naptha	6.7	6.7	6.1	6.0	5.5	5.4	4.7	4.8	4.3	6.5	4.1	4.2
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Perangkaan Pembuatan Bulanan
Source : Monthly Manufacturing Statistics

4a

Nilai Jualan Berkaitan Produk Petroleum - Tahunan
Sales Value of Related Petroleum Products - Annually

Keterangan <i>Description</i>	2015	2016	2017	2018	2019	2020	2021	2022	2023
(A) Nilai (RM Juta) <i>Value (RM Million)</i>									
Jualan Produk Petroleum Bertapis¹ <i>Refined Petroleum Products¹</i>	126,127	99,522	129,773	141,655	149,476	128,477	175,557	249,901	224,714
Jualan Borong Bahan Api Pepejal, Cecair & Gas dan Produk Berkaitan² <i>Wholesale of Solid, Liquid & Gaseous Fuels and Related Products²</i>	109,902	114,340	126,617	133,478	141,677	123,448	136,381	148,199	152,706
Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan² <i>Retail Sale of Automotive Fuel in Specialised Stores²</i>	30,759	33,599	38,570	42,843	44,610	38,654	40,817	58,539	66,748
(B) Perubahan Peratusan Tahunan <i>Annual Percentage Change</i>									
Jualan Produk Petroleum Bertapis¹ <i>Refined Petroleum Products¹</i>	-5.5	-21.1	30.4	9.2	5.5	-14.0	36.6	42.3	-10.1
Jualan Borong Bahan Api Pepejal, Cecair & Gas dan Produk Berkaitan² <i>Wholesale of Solid, Liquid & Gaseous Fuels and Related Products²</i>	1.5	4.0	10.7	5.4	6.1	-12.9	10.5	8.7	3.0
Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan² <i>Retail Sale of Automotive Fuel in Specialised Stores²</i>	13.3	9.2	14.8	11.1	4.1	-13.4	5.6	43.4	14.0

Sumber / Source :

¹ Perangkaan Pembuatan Bulanan / Monthly Manufacturing Statistics

² Jabatan Perangkaan Malaysia (DOSM) / Department of Statistics, Malaysia (DOSM)

4b Nilai Jualan Berkaitan Produk Petroleum - Suku Tahunan
Sales Value of Related Petroleum Products - Quarterly

Keterangan Description	2021				2022				2023			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Nilai (RM Juta) Value (RM Million)												
Jualan Produk Petroleum Bertapis¹ Refined Petroleum Products ¹	33,513	44,230	48,092	49,722	45,669	60,286	75,616	68,330	55,680	56,542	58,478	54,015
Jualan Borong Bahan Api Pepejal, Cecair & Gas dan Produk Berkaitan² Wholesale of Solid, Liquid & Gaseous Fuels and Related Products ²	34,432	34,208	31,952	35,789	36,494	38,027	37,543	36,135	36,116	37,572	40,112	38,906
Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan² Retail Sale of Automotive Fuel in Specialised Stores ²	10,061	9,259	10,053	11,444	11,544	15,044	15,724	16,227	16,500	16,718	16,759	16,772
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year												
Jualan Produk Petroleum Bertapis¹ Refined Petroleum Products ¹	-17.6	59.8	66.8	58.9	36.3	36.3	57.2	37.4	21.9	-6.2	-22.7	-21.0
Jualan Borong Bahan Api Pepejal, Cecair & Gas dan Produk Berkaitan² Wholesale of Solid, Liquid & Gaseous Fuels and Related Products ²	-3.9	48.6	4.8	4.9	6.0	11.2	17.5	1.0	-1.0	-1.2	6.8	7.7
Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan² Retail Sale of Automotive Fuel in Specialised Stores ²	-5.5	25.6	-5.1	14.0	14.7	62.5	56.4	41.8	42.9	11.1	6.6	3.4
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter												
Jualan Produk Petroleum Bertapis¹ Refined Petroleum Products ¹	7.1	32.0	8.7	3.4	-8.2	32.0	25.4	-9.6	-18.5	1.5	3.4	-7.6
Jualan Borong Bahan Api Pepejal, Cecair & Gas dan Produk Berkaitan² Wholesale of Solid, Liquid & Gaseous Fuels and Related Products ²	1.0	-0.7	-6.6	12.0	2.0	4.2	-1.3	-3.8	-0.1	4.0	6.8	-3.0
Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan² Retail Sale of Automotive Fuel in Specialised Stores ²	0.2	-8.0	8.6	13.8	0.9	30.3	4.5	3.2	1.7	1.3	0.2	0.1

Sumber / Source :

¹ Perangkaan Pembuatan Bulanan / Monthly Manufacturing Statistics

² Jabatan Perangkaan Malaysia (DOSM) / Department of Statistics, Malaysia (DOSM)

5a **Nilai Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Tahunan**
Export Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Annually

Keterangan Description	2015	2016	2017	2018	2019	2020	2021	2022 ^f	2023 ^p
(A) Nilai (RM Juta) <i>Value (RM Million)</i>									
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	26,696	23,457	29,889	38,183	29,118	19,744	20,054	35,225	31,943
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	41,397	46,057	56,934	65,649	61,803	53,729	86,160	149,836	133,871
Gas Asli Cecair <i>Liquefied Natural Gas</i>	44,603	32,017	40,460	42,322	42,484	29,868	38,193	68,002	59,602
(B) Perubahan Peratusan Tahunan <i>Annual Percentage Change</i>									
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	-21.0	-12.1	27.4	27.7	-23.7	-32.2	1.6	75.6	-9.3
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	-31.5	11.3	23.6	15.3	-5.9	-13.1	60.4	73.9	-10.7
Gas Asli Cecair <i>Liquefied Natural Gas</i>	-30.6	-28.2	26.4	4.6	0.4	-29.7	27.9	78.1	-12.4

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

Nota / Notes :
^p **Awalan / Preliminary**
^f **Muktamad / Final**

5b Nilai Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan
Export Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly

Keterangan Description	2021				2022 ^f				2023 ^p			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Nilai (RM Juta) Value (RM Million)												
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	4,703	5,430	5,138	4,783	7,517	9,695	10,142	7,872	8,311	6,466	7,820	9,346
Keluaran Petroleum Bertapis Refined Petroleum Products	14,146	22,645	24,911	24,458	20,580	36,300	53,465	39,492	33,861	35,284	30,980	33,745
Gas Asli Cecair Liquefied Natural Gas	8,142	8,501	9,660	11,890	13,257	15,574	19,079	20,092	17,759	12,756	12,500	16,587
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year												
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	-28.8	80.1	-13.1	13.7	59.8	78.5	97.4	64.6	10.6	-33.3	-22.9	18.7
Keluaran Petroleum Bertapis Refined Petroleum Products	-19.5	90.5	109.9	97.4	45.5	60.3	114.6	61.5	64.5	-2.8	-42.1	-14.6
Gas Asli Cecair Liquefied Natural Gas	-26.9	17.9	90.7	84.0	62.8	83.2	97.5	69.0	34.0	-18.1	-34.5	-17.4
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter												
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	11.8	15.5	-5.4	-6.9	57.2	29.0	4.6	-22.4	5.6	-22.2	20.9	19.5
Keluaran Petroleum Bertapis Refined Petroleum Products	14.2	60.1	10.0	-1.8	-15.9	76.4	47.3	-26.1	-14.3	4.2	-12.2	8.9
Gas Asli Cecair Liquefied Natural Gas	26.0	4.4	13.6	23.1	11.5	17.5	22.5	5.3	-11.6	-28.2	-2.0	32.7

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

6a

Volum Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Tahunan
Exports Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Annually

Keterangan <i>Description</i>	2015	2016	2017	2018	2019	2020	2021	2022 ^f	2023 ^p
(A) Volum ('000 Tan Metrik) <i>Volume ('000 Metric Tonnes)</i>									
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	16,062	16,635	16,558	17,139	13,746	13,685	9,590	9,852	10,368
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	20,854	28,647	29,487	29,486	28,134	34,682	37,906	41,764	41,785
Gas Asli Cecair <i>Liquefied Natural Gas</i>	24,801	25,273	27,083	23,955	25,498	24,083	24,697	27,316	26,985
(B) Perubahan Peratusan Tahunan <i>Annual Percentage Change</i>									
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	24.1	3.6	-0.5	3.5	-19.8	-0.4	-29.9	2.7	5.2
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	-6.8	37.4	2.9	0.0	-4.6	23.3	9.3	10.2	0.1
Gas Asli Cecair <i>Liquefied Natural Gas</i>	-2.6	1.9	7.2	-11.5	6.4	-5.5	2.5	10.6	-1.2

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

Nota / Notes :
^p **Awalan** / Preliminary
^f **Muktamad** / Final

6b Volum Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan
Exports Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly

Keterangan Description	2021				2022 ^f				2023 ^p			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Volum ('000 Tan Metrik) Volume ('000 Metric Tonnes)												
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	2,849	2,604	2,240	1,897	2,533	2,583	2,536	2,200	2,703	2,213	2,690	2,761
Keluaran Petroleum Bertapis Refined Petroleum Products	7,821	10,472	10,742	8,871	6,499	9,613	14,255	11,397	10,622	11,762	9,470	9,930
Gas Asli Cecair Liquefied Natural Gas	6,704	6,127	5,667	6,199	6,888	6,717	6,746	6,965	7,385	6,049	6,061	7,490
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year												
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	-10.0	-0.7	-51.9	-41.5	-11.1	-0.8	13.2	16.0	6.7	-14.3	6.1	25.5
Keluaran Petroleum Bertapis Refined Petroleum Products	-9.9	12.0	30.9	5.1	-16.9	-8.2	32.7	28.5	63.5	22.4	-33.6	-12.9
Gas Asli Cecair Liquefied Natural Gas	-1.4	20.2	-3.8	-1.5	2.7	9.6	19.0	12.4	7.2	-10.0	-10.2	7.5
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter												
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	-12.2	-8.6	-14.0	-15.3	33.6	2.0	-1.8	-13.2	22.9	-18.1	21.6	2.6
Keluaran Petroleum Bertapis Refined Petroleum Products	-7.4	33.9	2.6	-17.4	-26.7	47.9	48.3	-20.1	-6.8	10.7	-19.5	4.9
Gas Asli Cecair Liquefied Natural Gas	6.6	-8.6	-7.5	9.4	11.1	-2.5	0.4	3.3	6.0	-18.1	0.2	23.6

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

7a

Nilai Eksport Petroleum Mentah dan Kondensat mengikut Negara Destinasi - Tahunan

Export Value of Crude Petroleum and Condensate by Country of Destination - Annually

Keterangan Description	2018	2019	2020	2021	2022 ^f	2023 ^p
(A) Nilai (RM Juta) Value (RM Million)						
Australia	11,397	7,208	5,179	5,845	8,431	6,242
Bangladesh	-	-	-	-	253	493
Brunei Darussalam	14	15	334	1,901	4,818	3,860
China	704	224	1,033	390	241	597
Hong Kong	-	-	-	-	-	137
India	7,960	6,604	3,832	2,723	5,291	2,078
Indonesia	1,699	660	506	375	48	299
Italy	98	-	-	-	-	-
Japan	1,189	1,071	2,036	2,494	4,622	6,177
Korea, Republic Of	83	416	1,019	12	290	429
New Zealand	1,893	1,723	908	472	-	-
Nigeria	-	-	23	-	-	-
Papua New Guinea	187	-	38	68	-	253
Philippines	988	752	221	602	740	603
Saudi Arabia	-	103	-	-	-	-
Singapore	4,058	4,298	1,540	1,174	2,013	1,859
Taiwan, Province Of China	-	-	-	-	-	87
Thailand	6,105	5,810	3,055	3,998	7,919	8,600
United States	90	-	-	-	-	-
Viet Nam	184	233	20	-	558	231
Other countries	-	-	-	-	0	-
Jumlah / Total	36,649	29,118	19,744	20,054	35,225	31,943
(B) Peratusan Sumbangan Percentage Share						
Australia	31.1	24.8	26.2	29.1	23.9	19.5
Bangladesh	-	-	-	-	0.7	1.5
Brunei Darussalam	0.0	0.1	1.7	9.5	13.7	12.1
China	1.9	0.8	5.2	1.9	0.7	1.9
Hong Kong	-	-	-	-	-	0.4
India	21.7	22.7	19.4	13.6	15.0	6.5
Indonesia	4.6	2.3	2.6	1.9	0.1	0.9
Italy	0.3	-	-	-	-	-
Japan	3.2	3.7	10.3	12.4	13.1	19.3
Korea, Republic Of	0.2	1.4	5.2	0.1	0.8	1.3
New Zealand	5.2	5.9	4.6	2.4	-	-
Nigeria	-	-	0.1	-	-	-
Papua New Guinea	0.5	-	0.2	0.3	-	0.8
Philippines	2.7	2.6	1.1	3.0	2.1	1.9
Saudi Arabia	-	0.4	-	-	-	-
Singapore	11.1	14.8	7.8	5.9	5.7	5.8
Taiwan, Province Of China	-	-	-	-	-	0.3
Thailand	16.7	20.0	15.5	19.9	22.5	26.9
United States	0.2	-	-	-	-	-
Viet Nam	0.5	0.8	0.1	-	1.6	0.7
Other countries	-	-	-	-	0.0	-
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)

Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p Awalan / Preliminary^f Muktamad / Final

7b Nilai Eksport Petroleum Mentah dan Kondensat mengikut Negara Destinasi - Suku Tahunan
Export Value of Crude Petroleum and Condensate by Country of Destination - Quarterly

Keterangan Description	2021				2022 ^f				2023 ^p			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Nilai (RM Juta) Value (RM Million)												
Australia	1,536	1,430	1,392	1,487	1,604	2,691	2,188	1,947	2,044	1,112	1,433	1,652
Bangladesh	-	-	-	-	-	-	253	-	135	199	24	136
Brunei Darussalam	132	542	636	592	632	1,107	1,992	1,088	768	598	969	1,525
China	147	88	156	-	-	146	-	95	255	122	-	220
Hong Kong	-	-	-	-	-	-	-	-	-	-	-	137
India	852	899	353	619	1,375	1,439	1,448	1,029	501	622	595	361
Indonesia	302	23	-	50	48	-	-	-	-	-	-	299
Italy	-	-	-	-	-	-	-	-	-	-	-	-
Japan	412	436	900	745	1,115	422	1,495	1,589	1,605	1,654	1,825	1,093
Korea, Republic Of	12	-	-	-	-	290	-	-	-	112	115	203
New Zealand	194	-	68	210	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	68	-	-	-	-	-	-	-	-	-	-	253
Philippines	-	149	133	319	482	259	-	-	366	109	-	128
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	287	519	276	92	96	701	900	316	283	432	347	796
Taiwan, Province Of China	-	-	-	-	-	-	-	-	-	-	87	-
Thailand	762	1,344	1,223	669	2,004	2,364	1,791	1,761	2,338	1,507	2,293	2,462
United States	-	-	-	-	-	-	-	-	-	-	-	-
Viet Nam	-	-	-	-	160	276	76	46	17	-	132	83
Other countries	-	-	-	-	-	0	-	-	-	-	-	-
Jumlah / Total	4,703	5,430	5,138	4,783	7,517	9,695	10,142	7,872	8,311	6,466	7,820	9,346
(B) Peratusan Sumbangan Percentage Share												
Australia	32.7	26.3	27.1	31.1	21.3	27.8	21.6	24.7	24.6	17.2	18.3	17.7
Bangladesh	-	-	-	-	-	-	2.5	-	1.6	3.1	0.3	1.5
Brunei Darussalam	2.8	10.0	12.4	12.4	8.4	11.4	19.6	13.8	9.2	9.2	12.4	16.3
China	3.1	1.6	3.0	-	-	1.5	-	1.2	3.1	1.9	-	2.4
Hong Kong	-	-	-	-	-	-	-	-	-	-	-	1.5
India	18.1	16.6	6.9	12.9	18.3	14.8	14.3	13.1	6.0	9.6	7.6	3.9
Indonesia	6.4	0.4	-	1.0	0.6	-	-	-	-	-	-	3.2
Italy	-	-	-	-	-	-	-	-	-	-	-	-
Japan	8.8	8.0	17.5	15.6	14.8	4.4	14.7	20.2	19.3	25.6	23.3	11.7
Korea, Republic Of	0.2	-	-	-	-	3.0	-	-	-	1.7	1.5	2.2
New Zealand	4.1	-	1.3	4.4	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	1.4	-	-	-	-	-	-	-	-	-	-	2.7
Philippines	-	2.7	2.6	6.7	6.4	2.7	-	-	4.4	1.7	-	1.4
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	6.1	9.6	5.4	1.9	1.3	7.2	8.9	4.0	3.4	6.7	4.4	8.5
Taiwan, Province Of China	-	-	-	-	-	-	-	-	-	-	1.1	-
Thailand	16.2	24.8	23.8	14.0	26.7	24.4	17.7	22.4	28.1	23.3	29.3	26.3
United States	-	-	-	-	-	-	-	-	-	-	-	-
Viet Nam	-	-	-	-	2.1	2.9	0.7	0.6	0.2	-	1.7	0.9
Other countries	-	-	-	-	-	0.0	-	-	-	-	-	-
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

8a Nilai Eksport Keluaran Petroleum Bertapis mengikut Negara Destinasi -Tahunan
Export Value of Refined Petroleum Products by Country of Destination - Annually

Keterangan Description	2018	2019	2020	2021	2022 ^f	2023 ^p
(A) Nilai (RM Juta) Value (RM Million)						
Australia	4,414	4,599	3,936	8,886	15,065	21,521
Bangladesh	4,016	5,261	1,545	5,331	11,391	5,227
Belgium	152	130	117	250	810	1,002
China	5,695	5,084	6,417	6,328	3,335	3,134
France	0	0	0	-	1,884	1,254
Hong Kong	2,365	1,317	1,254	1,445	2,718	1,571
Indonesia	4,887	4,740	4,941	13,259	24,787	18,939
Iraq	0	0	16	1,373	2,494	1,017
Kenya	4	683	371	474	330	1,467
Korea, Republic Of	2,494	725	1,265	2,186	4,037	7,850
Mexico	194	78	6	30	598	1,852
Myanmar	561	169	404	943	2,911	1,925
Netherlands	15	1,042	810	1,184	2,553	1,477
New Zealand	49	122	72	88	2,491	3,798
Philippines	1,404	1,829	1,602	2,510	3,705	5,298
Saudi Arabia	136	0	132	583	374	943
Singapore	19,022	16,844	18,082	19,679	33,302	29,271
South Africa	865	682	277	696	3,749	2,020
Thailand	1,679	1,705	699	586	1,603	1,333
Viet Nam	8,750	6,103	3,684	5,290	5,754	7,478
Other countries	8,943	10,689	8,101	15,039	25,945	15,492
Jumlah / Total	65,649	61,803	53,729	86,160	149,836	133,871
(B) Peratusan Sumbangan Percentage Share						
Australia	6.7	7.4	7.3	10.3	10.1	16.1
Bangladesh	6.1	8.5	2.9	6.2	7.6	3.9
Belgium	0.2	0.2	0.2	0.3	0.5	0.7
China	8.7	8.2	11.9	7.3	2.2	2.3
France	0.0	0.0	0.0	-	1.3	0.9
Hong Kong	3.6	2.1	2.3	1.7	1.8	1.2
Indonesia	7.4	7.7	9.2	15.4	16.5	14.1
Iraq	0.0	0.0	0.0	1.6	1.7	0.8
Kenya	0.0	1.1	0.7	0.6	0.2	1.1
Korea, Republic Of	3.8	1.2	2.4	2.5	2.7	5.9
Mexico	0.3	0.1	0.0	0.0	0.4	1.4
Myanmar	0.9	0.3	0.8	1.1	1.9	1.4
Netherlands	0.0	1.7	1.5	1.4	1.7	1.1
New Zealand	0.1	0.2	0.1	0.1	1.7	2.8
Philippines	2.1	3.0	3.0	2.9	2.5	4.0
Saudi Arabia	0.2	0.0	0.2	0.7	0.2	0.7
Singapore	29.0	27.3	33.7	22.8	22.2	21.9
South Africa	1.3	1.1	0.5	0.8	2.5	1.5
Thailand	2.6	2.8	1.3	0.7	1.1	1.0
Viet Nam	13.3	9.9	6.9	6.1	3.8	5.6
Other countries	13.6	17.3	15.1	17.5	17.3	11.6
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

8b Nilai Eksport Keluaran Petroleum Bertapis mengikut Negara Destinasi - Suku Tahunan
Export Value of Refined Petroleum Products by Country of Destination - Quarterly

Keterangan Description	2021				2022 ^f				2023 ^p			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Nilai (RM Juta) Value (RM Million)												
Australia	1,481	3,086	2,151	2,169	1,778	4,043	4,169	5,075	4,572	7,400	5,212	4,336
Bangladesh	830	1,572	1,301	1,628	1,540	4,328	3,752	1,771	1,232	692	2,560	743
Belgium	41	47	116	45	65	114	89	542	461	33	152	356
China	2,212	2,162	1,113	841	1,085	1,006	628	616	395	615	1,264	860
France	-	-	-	-	13	454	929	488	538	289	143	284
Hong Kong	226	339	225	655	186	513	1,785	234	318	371	108	773
Indonesia	1,450	2,757	4,116	4,936	3,959	5,905	9,539	5,384	4,578	5,071	4,218	5,072
Iraq	0	477	335	560	638	603	815	437	416	3	265	334
Kenya	1	0	1	472	-	-	224	106	0	0	411	1,056
Korea, Republic Of	377	382	773	655	981	1,063	1,357	637	898	3,410	1,748	1,794
Mexico	-	-	30	0	-	394	203	1	807	410	272	363
Myanmar	230	211	190	311	413	636	1,599	263	809	546	272	297
Netherlands	0	1	901	281	301	299	866	1,087	390	475	239	372
New Zealand	7	13	53	16	11	1,065	477	938	1,238	1,450	795	315
Philippines	364	752	788	605	500	1,022	1,367	816	645	1,224	1,807	1,623
Saudi Arabia	0	58	368	157	-	-	265	109	-	478	0	465
Singapore	3,736	4,710	6,070	5,163	5,144	6,670	11,749	9,739	8,670	7,018	5,742	7,841
South Africa	1	219	284	192	441	902	1,421	986	800	214	198	808
Thailand	81	192	176	137	283	153	163	1,005	476	96	169	592
Viet Nam	1,360	1,349	640	1,940	1,342	1,007	1,249	2,157	1,555	1,677	1,629	2,617
Other countries	1,748	4,317	5,279	3,695	1,900	6,124	10,820	7,101	5,064	3,811	3,774	2,843
Jumlah / Total	14,146	22,645	24,911	24,458	20,580	36,300	53,465	39,492	33,861	35,284	30,980	33,745
(B) Peratusan Sumbangan Percentage Share												
Australia	10.5	13.6	8.6	8.9	8.6	11.1	7.8	12.9	13.5	21.0	16.8	12.8
Bangladesh	5.9	6.9	5.2	6.7	7.5	11.9	7.0	4.5	3.6	2.0	8.3	2.2
Belgium	0.3	0.2	0.5	0.2	0.3	0.3	0.2	1.4	1.4	0.1	0.5	1.1
China	15.6	9.5	4.5	3.4	5.3	2.8	1.2	1.6	1.2	1.7	4.1	2.5
France	-	-	-	-	0.1	1.3	1.7	1.2	1.6	0.8	0.5	0.8
Hong Kong	1.6	1.5	0.9	2.7	0.9	1.4	3.3	0.6	0.9	1.1	0.3	2.3
Indonesia	10.2	12.2	16.5	20.2	19.2	16.3	17.8	13.6	13.5	14.4	13.6	15.0
Iraq	0.0	2.1	1.3	2.3	3.1	1.7	1.5	1.1	1.2	0.0	0.9	1.0
Kenya	0.0	0.0	0.0	1.9	-	-	0.4	0.3	0.0	0.0	1.3	3.1
Korea, Republic Of	2.7	1.7	3.1	2.7	4.8	2.9	2.5	1.6	2.7	9.7	5.6	5.3
Mexico	-	-	0.1	0.0	-	1.1	0.4	0.0	2.4	1.2	0.9	1.1
Myanmar	1.6	0.9	0.8	1.3	2.0	1.8	3.0	0.7	2.4	1.5	0.9	0.9
Netherlands	0.0	0.0	3.6	1.2	1.5	0.8	1.6	2.8	1.2	1.3	0.8	1.1
New Zealand	0.1	0.1	0.2	0.1	0.1	2.9	0.9	2.4	3.7	4.1	2.6	0.9
Philippines	2.6	3.3	3.2	2.5	2.4	2.8	2.6	2.1	1.9	3.5	5.8	4.8
Saudi Arabia	0.0	0.3	1.5	0.6	-	-	0.5	0.3	-	1.4	0.0	1.4
Singapore	26.4	20.8	24.4	21.1	25.0	18.4	22.0	24.7	25.6	19.9	18.5	23.2
South Africa	0.0	1.0	1.1	0.8	2.1	2.5	2.7	2.5	2.4	0.6	0.6	2.4
Thailand	0.6	0.8	0.7	0.6	1.4	0.4	0.3	2.5	1.4	0.3	0.5	1.8
Viet Nam	9.6	6.0	2.6	7.9	6.5	2.8	2.3	5.5	4.6	4.8	5.3	7.8
Other countries	12.4	19.1	21.2	15.1	9.2	16.9	20.2	18.0	15.0	10.8	12.2	8.4
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :
^p Awalan / Preliminary
^f Muktamad / Final

9a Nilai Eksport Gas Asli Cecair (LNG) mengikut Negara Destinasi - Tahunan
Export Value of Liquefied Natural Gas (LNG) by Country of Destination - Annually

Keterangan Description	2018	2019	2020	2021	2022 ^f	2023 ^p
(A) Nilai (RM Juta) Value (RM Million)						
Australia	-	-	-	11	10	13
Bangladesh	806	129	124	-	-	128
China	8,874	10,265	6,812	12,929	18,053	15,442
Croatia	-	-	-	1	-	-
India	335	365	-	90	488	-
Italy	-	-	-	7	-	33
Japan	20,781	16,804	14,070	16,413	30,566	25,696
Korea, Republic Of	5,780	7,767	6,207	6,150	12,480	13,326
Kuwait	-	-	-	-	-	135
Mozambique	-	-	-	4	-	6
Myanmar	-	-	252	303	32	-
Pakistan	119	89	37	-	-	-
Philippines	-	-	-	-	-	139
Qatar	-	2	-	5	-	-
Saudi Arabia	-	-	-	1	-	-
Singapore	-	-	-	101	697	132
Taiwan, Province Of China	5,627	4,869	932	529	1,214	1,181
Thailand	-	2,194	1,434	1,648	4,461	3,369
Trinidad and Tobago	-	-	-	-	1	-
United States	-	-	-	1	-	-
Other countries	0	-	0	0	-	-
Jumlah / Total	42,322	42,484	29,868	38,193	68,002	59,602
(B) Peratusan Sumbangan Percentage Share						
Australia	-	-	-	0.0	0.0	0.0
Bangladesh	1.9	0.3	0.4	-	-	0.2
China	21.0	24.2	22.8	33.9	26.5	25.9
Croatia	-	-	-	0.0	-	-
India	0.8	0.9	-	0.2	0.7	-
Italy	-	-	-	0.0	-	0.1
Japan	49.1	39.6	47.1	43.0	44.9	43.1
Korea, Republic Of	13.7	18.3	20.8	16.1	18.4	22.4
Kuwait	-	-	-	-	-	0.2
Mozambique	-	-	-	0.0	-	0.0
Myanmar	-	-	0.8	0.8	0.0	-
Pakistan	0.3	0.2	0.1	-	-	-
Philippines	-	-	-	-	-	0.2
Qatar	-	0.0	-	0.0	-	-
Saudi Arabia	-	-	-	0.0	-	-
Singapore	-	-	-	0.3	1.0	0.2
Taiwan, Province Of China	13.3	11.5	3.1	1.4	1.8	2.0
Thailand	-	5.2	4.8	4.3	6.6	5.7
Trinidad and Tobago	-	-	-	-	0.0	-
United States	-	-	-	0.0	-	-
Other countries	0.0	-	0.0	0.0	-	-
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

9b Nilai Eksport Gas Asli Cecair (LNG) mengikut Negara Destinasi - Suku Tahunan
Export Value of Liquefied Natural Gas (LNG) by Country of Destination - Quarterly

Keterangan Description	2021				2022 ^f				2023 ^p			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Nilai (RM Juta) Value (RM Million)												
Australia	5	3	3	-	-	-	10	-	-	-	4	9
Bangladesh	-	-	-	-	-	-	-	-	-	128	-	-
China	2,225	3,121	3,461	4,122	3,702	3,743	5,546	5,062	4,213	3,531	3,496	4,202
Croatia	-	1	-	-	-	-	-	-	-	-	-	-
India	-	-	90	-	122	367	-	-	-	-	-	-
Italy	-	1	-	7	-	-	-	-	22	-	-	11
Japan	4,282	3,204	4,114	4,813	6,012	7,339	8,860	8,356	8,369	5,492	4,943	6,894
Korea, Republic Of	1,272	1,627	1,335	1,916	2,801	2,040	3,271	4,369	4,474	2,324	2,397	4,131
Kuwait	-	-	-	-	-	-	-	-	-	-	135	-
Mozambique	-	4	-	-	-	-	-	-	-	-	-	6
Myanmar	218	85	-	-	-	-	32	-	-	-	-	-
Pakistan	-	-	-	-	-	-	-	-	-	-	-	-
Philippines	-	-	-	-	-	-	-	-	-	-	-	139
Qatar	-	-	1	4	-	-	-	-	-	-	-	-
Saudi Arabia	1	-	-	-	-	-	-	-	-	-	-	-
Singapore	2	-	5	95	-	374	-	323	-	132	-	-
Taiwan, Province Of China	-	160	182	187	-	254	354	606	135	131	557	358
Thailand	137	296	469	746	621	1,458	1,007	1,375	546	1,017	968	838
Trinidad and Tobago	-	-	-	-	-	-	-	1	-	-	-	-
United States	-	-	-	1	-	-	-	-	-	-	-	-
Other countries	-	-	0	-	-	-	-	-	-	-	-	-
Jumlah / Total	8,142	8,501	9,660	11,890	13,257	15,574	19,079	20,092	17,759	12,756	12,500	16,587
(B) Peratusan Sumbangan Percentage Share												
Australia	0.1	0.0	0.0	-	-	-	0.1	-	-	-	0.0	0.0
Bangladesh	-	-	-	-	-	-	-	-	-	1.0	-	0.2
China	27.3	36.7	35.8	34.7	27.9	24.0	29.1	25.2	23.7	27.7	28.0	25.9
Croatia	-	0.0	-	-	-	-	-	-	-	-	-	-
India	-	-	0.9	-	0.9	2.4	-	-	-	-	-	-
Italy	-	0.0	-	0.1	-	-	-	-	0.1	-	-	0.1
Japan	52.6	37.7	42.6	40.5	45.4	47.1	46.4	41.6	47.1	43.1	39.5	43.1
Korea, Republic Of	15.6	19.1	13.8	16.1	21.1	13.1	17.1	21.7	25.2	18.2	19.2	22.4
Kuwait	-	-	-	-	-	-	-	-	-	-	1.1	0.2
Mozambique	-	0.0	-	-	-	-	-	-	-	-	-	0.0
Myanmar	2.7	1.0	-	-	-	-	0.2	-	-	-	-	-
Pakistan	-	-	-	-	-	-	-	-	-	-	-	-
Philippines	-	-	-	-	-	-	-	-	-	-	-	0.2
Qatar	-	-	0.0	0.0	-	-	-	-	-	-	-	-
Saudi Arabia	0.0	-	-	-	-	-	-	-	-	-	-	-
Singapore	0.0	-	0.1	0.8	-	2.4	-	1.6	-	1.0	-	0.2
Taiwan, Province Of China	-	1.9	1.9	1.6	-	1.6	1.9	3.0	0.8	1.0	4.5	2.0
Thailand	1.7	3.5	4.9	6.3	4.7	9.4	5.3	6.8	3.1	8.0	7.7	5.7
Trinidad and Tobago	-	-	-	-	-	-	-	0.0	-	-	-	-
United States	-	-	-	0.0	-	-	-	-	-	-	-	0.0
Other countries	-	-	0.0	-	-	-	-	-	-	-	-	-
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :
^p Awalan / Preliminary
^f Muktamad / Final

Nilai Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Tahunan
Import Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Annually

Keterangan <i>Description</i>	2015	2016	2017	2018	2019	2020	2021	2022 ^f	2023 ^p
(A) Nilai (RM Juta) <i>Value (RM Million)</i>									
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	12,885	11,697	16,988	23,085	26,818	19,340	14,408	53,783	61,686
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	57,679	49,279	71,743	81,482	72,526	56,240	82,911	136,762	130,253
Gas Asli Cecair <i>Liquefied Natural Gas</i>	2,839	1,563	2,598	2,734	5,480	4,904	1,462	9,591	6,995
(B) Perubahan Peratusan Tahunan <i>Annual Percentage Change</i>									
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	-48.4	-9.2	45.2	35.9	16.2	-27.9	-25.5	273.3	14.7
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	-22.7	-14.6	45.6	13.6	-11.0	-22.5	47.4	65.0	-4.8
Gas Asli Cecair <i>Liquefied Natural Gas</i>	-32.7	-44.9	66.3	5.2	100.5	-10.5	-70.2	555.9	-27.1

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

Nota / Notes :

^p **Awalan / Preliminary**

^f **Mukhtamad / Final**

10b Nilai Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan
Import Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly

Keterangan Description	2021				2022 ^f				2023 ^p			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Nilai (RM Juta) Value (RM Million)												
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	2,419	4,310	5,015	2,664	8,983	11,118	17,769	15,913	14,230	16,842	12,469	18,145
Keluaran Petroleum Bertapis Refined Petroleum Products	16,388	22,653	19,940	23,929	22,415	35,637	45,437	33,273	30,900	33,327	30,638	35,389
Gas Asli Cecair Liquefied Natural Gas	553	492	230	187	1,280	1,929	3,680	2,702	1,892	1,832	1,571	1,701
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year												
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	-76.1	71.3	19.3	6.9	271.3	157.9	254.4	497.3	58.4	51.5	-29.8	14.0
Keluaran Petroleum Bertapis Refined Petroleum Products	-14.1	112.4	58.9	71.7	36.8	57.3	127.9	39.0	37.9	-6.5	-32.6	6.4
Gas Asli Cecair Liquefied Natural Gas	-58.3	-73.7	-80.7	-63.6	131.5	292.2	1,498.0	1,343.4	47.8	-5.1	-57.3	-37.0
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter												
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	-2.9	78.2	16.3	-46.9	237.2	23.8	59.8	-10.4	-10.6	18.3	-26.0	45.5
Keluaran Petroleum Bertapis Refined Petroleum Products	17.6	38.2	-12.0	20.0	-6.3	59.0	27.5	-26.8	-7.1	7.9	-8.1	15.5
Gas Asli Cecair Liquefied Natural Gas	7.5	-11.0	-53.2	-18.7	583.6	50.8	90.8	-26.6	-30.0	-3.2	-14.2	8.3

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

11a Volum Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Tahunan
Imports Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Annually

Keterangan Description	2015	2016	2017	2018	2019	2020	2021	2022 ^f	2023 ^p
(A) Nilai (RM Juta) Value (RM Million)									
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	9,245	9,874	10,379	10,476	13,429	12,405	6,540	15,681	21,066
Keluaran Petroleum Bertapis Refined Petroleum Products	29,516	32,383	36,421	34,939	31,267	37,239	35,504	35,936	38,417
Gas Asli Cecair Liquefied Natural Gas	1,399	1,015	1,409	1,211	2,466	2,637	852	2,901	2,165
(B) Perubahan Peratusan Tahunan Annual Percentage Change									
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	-11.4	6.8	5.1	0.9	28.2	-7.6	-47.3	139.8	34.3
Keluaran Petroleum Bertapis Refined Petroleum Products	10.8	9.7	12.5	-4.1	-10.5	19.1	-4.7	1.2	6.9
Gas Asli Cecair Liquefied Natural Gas	-9.2	-27.5	38.9	-14.1	103.7	6.9	-67.7	240.4	-25.4

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

Volum Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan
Imports Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly

Keterangan <i>Description</i>	2021				2022 ^f				2023 ^p			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Nilai (RM Juta) <i>Value (RM Million)</i>												
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	1,365	2,061	2,085	1,029	3,170	3,000	4,711	4,800	5,065	5,969	4,330	5,701
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	9,085	9,942	8,127	8,351	7,117	8,610	11,035	9,174	9,115	10,158	9,151	9,994
Gas Asli Cecair <i>Liquefied Natural Gas</i>	364	299	109	80	481	667	1,062	691	529	580	499	556
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya <i>Percentage Change from Corresponding Quarter of Preceding Year</i>												
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	-73.3	-8.3	-31.1	-49.1	132.2	45.6	125.9	366.5	59.8	99.0	-8.1	18.8
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	4.7	19.2	-24.9	-11.2	-21.7	-13.4	35.8	9.9	28.1	18.0	-17.1	8.9
Gas Asli Cecair <i>Liquefied Natural Gas</i>	-44.7	-62.2	-85.6	-81.3	32.1	122.9	874.4	763.6	10.1	-13.1	-53.0	-19.5
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya <i>Percentage Change from Preceding Quarter</i>												
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	-32.5	50.9	1.2	-50.6	208.1	-5.4	57.0	1.9	5.5	17.8	-27.5	31.7
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	-3.3	9.4	-18.3	2.8	-14.8	21.0	28.2	-16.9	-0.6	11.4	-9.9	9.2
Gas Asli Cecair <i>Liquefied Natural Gas</i>	-14.8	-17.8	-63.6	-26.6	501.1	38.7	59.2	-34.9	-23.4	9.5	-13.9	11.5

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

Nota / Notes :

^p **Awalan / Preliminary**

^f **Muktamad / Final**

12a Nilai Import Petroleum Mentah dan Kondensat mengikut Negara Asal - Tahunan
Import Value of Crude Oil and Condensate by Country of Origin - Annually

Keterangan Description	2018	2019	2020	2021 ^f	2022 ^p	2023 ^p
(A) Nilai (RM Juta) <i>Value (RM Million)</i>						
Australia	937	2,144	1,271	660	1,255	1,368
Brazil	135	69	543	735	724	852
Brunei Darussalam	714	41	0	308	355	675
Cameroon	-	-	-	-	-	868
Chad	-	-	-	-	-	398
Congo	86	546	-	255	944	387
Gabon	207	713	147	788	1,446	1,801
Indonesia	1,395	242	68	292	163	169
Kuwait	789	298	216	309	2,616	1,790
Libya	2,064	1,214	1	123	160	257
Nigeria	400	100	97	88	-	189
Oman	582	144	638	479	487	1,063
Qatar	716	454	-	328	1,513	865
Saudi Arabia	7,047	9,300	8,187	2,995	28,272	33,010
Singapore	-	-	-	-	269	62
Spain	-	-	-	-	-	174
Sudan	-	-	-	463	726	2,133
Thailand	-	153	490	228	1,492	877
United Arab Emirates	1,164	4,251	1,532	1,556	8,593	10,414
United States	953	221	1,639	-	622	2,828
Other countries	5,898	6,929	4,511	4,802	4,147	1,507
Jumlah / Total	23,085	26,818	19,340	14,408	53,783	61,686
(B) Peratusan Sumbangan <i>Percentage Share</i>						
Australia	4.1	8.0	6.6	4.6	2.3	2.2
Brazil	0.6	0.3	2.8	5.1	1.3	1.4
Brunei Darussalam	3.1	0.2	0.0	2.1	0.7	1.1
Cameroon	-	-	-	-	-	1.4
Chad	-	-	-	-	-	0.6
Congo	0.4	2.0	-	1.8	1.8	0.6
Gabon	0.9	2.7	0.8	5.5	2.7	2.9
Indonesia	6.0	0.9	0.4	2.0	0.3	0.3
Kuwait	3.4	1.1	1.1	2.1	4.9	2.9
Libya	8.9	4.5	0.0	0.9	0.3	0.4
Nigeria	1.7	0.4	0.5	0.6	-	0.3
Oman	2.5	0.5	3.3	3.3	0.9	1.7
Qatar	3.1	1.7	-	2.3	2.8	1.4
Saudi Arabia	30.5	34.7	42.3	20.8	52.6	53.5
Singapore	-	-	-	-	0.5	0.1
Spain	-	-	-	-	-	0.3
Sudan	-	-	-	3.2	1.3	3.5
Thailand	-	0.6	2.5	1.6	2.8	1.4
United Arab Emirates	5.0	15.8	7.9	10.8	16.0	16.9
United States	4.1	0.8	8.5	-	1.2	4.6
Other countries	25.5	25.8	23.3	33.3	7.7	2.4
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p **Awalan / Preliminary**

^f **Muktamad / Final**

12b Nilai Import Petroleum Mentah dan Kondensat mengikut Negara Asal - Suku Tahunan
Import Value of Crude Petroleum and Condensate by Country of Origin - Quarterly

Keterangan <i>Description</i>	2021				2022 ^f				2023 ^p			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Nilai (RM Juta) <i>Value (RM Million)</i>												
Australia	231	204	49	177	44	103	735	372	960	146	160	102
Brazil	73	232	209	220	132	214	172	206	202	216	110	323
Brunei Darussalam	-	-	8	300	292	3	46	15	26	255	385	8
Cameroon	-	-	-	-	-	-	-	-	-	396	-	473
Chad	-	-	-	-	-	-	-	-	-	-	-	398
Congo	-	255	-	-	493	-	450	-	-	387	-	-
Gabon	326	210	-	252	370	501	574	-	298	-	555	948
Indonesia	-	84	208	-	-	-	-	163	169	-	-	-
Kuwait	-	148	161	-	358	231	745	1,282	612	642	219	317
Libya	-	123	-	-	-	-	-	160	-	-	-	257
Nigeria	-	-	-	88	-	-	-	-	-	-	-	189
Oman	332	-	-	147	-	228	87	172	348	185	247	283
Qatar	131	13	184	-	559	694	260	-	-	406	-	459
Saudi Arabia	508	1,023	1,464	-	3,003	5,399	10,075	9,796	7,518	9,510	6,718	9,264
Singapore	-	-	-	-	234	-	35	-	62	-	-	0
Spain	-	-	-	-	-	-	-	-	100	74	-	0
Sudan	140	-	179	144	-	-	158	568	478	431	630	593
Thailand	74	-	-	154	349	475	443	224	101	470	165	141
United Arab Emirates	475	295	283	504	1,537	2,360	2,631	2,065	2,436	2,276	2,270	3,432
United States	-	-	-	-	-	0	622	-	813	316	742	956
Other countries	129	1,722	2,272	678	1,612	909	736	890	108	1,131	268	-
Jumlah / Total	2,419	4,310	5,015	2,664	8,983	11,118	17,769	15,913	14,230	16,842	12,469	18,145

(B) Peratusan Sumbangan <i>Percentage Share</i>												
Australia	9.5	4.7	1.0	6.7	0.5	0.9	4.1	2.3	6.7	0.9	1.3	0.6
Brazil	3.0	5.4	4.2	8.3	1.5	1.9	1.0	1.3	1.4	1.3	0.9	1.8
Brunei Darussalam	-	-	0.2	11.3	3.2	0.0	0.3	0.1	0.2	1.5	3.1	0.0
Cameroon	-	-	-	-	-	-	-	-	-	2.3	-	2.6
Chad	-	-	-	-	-	-	-	-	-	-	-	2.2
Congo	-	5.9	-	-	5.5	-	2.5	-	-	2.3	-	-
Gabon	13.5	4.9	-	9.5	4.1	4.5	3.2	-	2.1	-	4.5	5.2
Indonesia	-	2.0	4.1	-	-	-	-	1.0	1.2	-	-	-
Kuwait	-	3.4	3.2	-	4.0	2.1	4.2	8.1	4.3	3.8	1.8	1.7
Libya	-	2.8	-	-	-	-	-	1.0	-	-	-	1.4
Nigeria	-	-	-	3.3	-	-	-	-	-	-	-	1.0
Oman	13.7	-	-	5.5	-	2.0	0.5	1.1	2.4	1.1	2.0	1.6
Qatar	5.4	0.3	3.7	-	6.2	6.2	1.5	-	-	2.4	-	2.5
Saudi Arabia	21.0	23.7	29.2	-	33.4	48.6	56.7	61.6	52.8	56.5	53.9	51.1
Singapore	-	-	-	-	2.6	-	0.2	-	0.4	-	-	0.0
Spain	-	-	-	-	-	-	-	-	0.7	0.4	-	0.0
Sudan	5.8	-	3.6	5.4	-	-	0.9	3.6	3.4	2.6	5.1	3.3
Thailand	3.1	-	-	5.8	3.9	4.3	2.5	1.4	0.7	2.8	1.3	0.8
United Arab Emirates	19.6	6.8	5.6	18.9	17.1	21.2	14.8	13.0	17.1	13.5	18.2	18.9
United States	-	-	-	-	-	0.0	3.5	-	5.7	1.9	6.0	5.3
Other countries	5.3	40.0	45.3	25.4	17.9	8.2	4.1	5.6	0.8	6.7	2.1	-
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

13a Nilai Import Keluaran Petroleum Bertapis mengikut Negara Asal - Tahunan
Import Value of Refined Petroleum Products by Country of Origin - Annually

Keterangan <i>Description</i>	2018	2019	2020	2021	2022 ^f	2023 ^p
(A) Nilai (RM Juta) <i>Value (RM Million)</i>						
Australia	261	444	312	431	411	1,801
Brunei Darussalam	14	138	558	1,226	1,905	823
China	7,148	9,993	7,442	12,137	17,656	19,197
Egypt	149	-	23	390	481	405
India	9,705	5,296	4,982	6,182	7,572	6,567
Indonesia	1,178	1,601	2,201	2,591	4,395	3,540
Iraq	530	658	880	1,398	879	446
Italy	49	4	23	5	227	466
Korea, Republic Of	5,763	6,813	5,923	10,878	16,301	15,218
Malaysia	11	27	12	4	52	329
Oman	13	264	468	1,759	2,967	350
Philippines	255	185	288	258	537	365
Qatar	667	576	411	55	689	1,192
Russian Federation	1,339	691	843	720	4,677	7,440
Saudi Arabia	3,322	2,440	2,535	3,328	3,479	5,570
Singapore	37,210	28,278	16,487	24,948	49,163	42,619
Taiwan, Province Of China	1,703	2,109	924	4,546	8,047	6,273
Thailand	1,561	1,986	869	1,568	2,174	2,406
United Arab Emirates	4,291	5,405	4,454	3,989	6,132	7,933
United States	688	353	157	74	107	237
Other countries	5,623	5,266	6,448	6,425	8,911	7,078
Jumlah / Total	81,482	72,526	56,240	82,911	136,762	130,253
(B) Peratusan Sumbangan <i>Percentage Share</i>						
Australia	0.3	0.6	0.6	0.5	0.3	1.4
Brunei Darussalam	0.0	0.2	1.0	1.5	1.4	0.6
China	8.8	13.8	13.2	14.6	12.9	14.7
Egypt	0.2	-	0.0	0.5	0.4	0.3
India	11.9	7.3	8.9	7.5	5.5	5.0
Indonesia	1.4	2.2	3.9	3.1	3.2	2.7
Iraq	0.7	0.9	1.6	1.7	0.6	0.3
Italy	0.1	0.0	0.0	0.0	0.2	0.4
Korea, Republic Of	7.1	9.4	10.5	13.1	11.9	11.7
Malaysia	0.0	0.0	0.0	0.0	0.0	0.3
Oman	0.0	0.4	0.8	2.1	2.2	0.3
Philippines	0.3	0.3	0.5	0.3	0.4	0.3
Qatar	0.8	0.8	0.7	0.1	0.5	0.9
Russian Federation	1.6	1.0	1.5	0.9	3.4	5.7
Saudi Arabia	4.1	3.4	4.5	4.0	2.5	4.3
Singapore	45.7	39.0	29.3	30.1	35.9	32.7
Taiwan, Province Of China	2.1	2.9	1.6	5.5	5.9	4.8
Thailand	1.9	2.7	1.5	1.9	1.6	1.8
United Arab Emirates	5.3	7.5	7.9	4.8	4.5	6.1
United States	0.8	0.5	0.3	0.1	0.1	0.2
Other countries	6.9	7.3	11.5	7.7	6.5	5.4
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

13b

Nilai Import Keluaran Petroleum Bertapis mengikut Negara Asal - Suku Tahunan

Import Value of Refined Petroleum Products by Country of Origin - Quarterly

Keterangan Description	2021				2022 ^f				2023 ^p			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Nilai (RM Juta) Value (RM Million)												
Australia	29	218	79	105	45	30	277	58	73	408	693	625
Brunei Darussalam	218	569	380	59	186	434	849	436	293	43	214	274
China	3,502	4,752	2,404	1,479	2,799	3,936	4,790	6,130	7,333	3,726	4,273	3,865
Egypt	87	132	170	0	-	481	0	0	126	-	94	185
India	1,442	2,506	871	1,364	2,238	1,761	2,683	889	635	2,498	1,652	1,782
Indonesia	695	751	621	524	846	540	1,389	1,620	664	770	913	1,192
Iraq	557	307	302	232	571	176	132	-	-	-	31	415
Italy	1	2	1	1	222	2	2	1	193	1	1	271
Korea, Republic Of	1,532	2,117	2,517	4,712	2,681	5,076	4,680	3,864	3,979	3,851	3,202	4,187
Malaysia	3	0	0	0	-	0	-	52	17	45	118	149
Oman	245	673	475	367	552	1,073	978	365	91	-	10	250
Philippines	39	7	123	89	146	225	68	97	51	6	78	229
Qatar	2	31	1	21	4	248	337	101	146	528	21	496
Russian Federation	74	352	258	37	304	1,396	1,823	1,154	943	2,389	1,060	3,048
Saudi Arabia	563	588	644	1,533	667	688	1,357	767	1,194	1,487	1,298	1,591
Singapore	3,977	6,111	6,414	8,445	7,200	13,254	16,599	12,110	10,168	10,369	10,854	11,227
Taiwan, Province Of China	240	1,169	1,964	1,173	722	2,226	3,344	1,755	1,453	1,721	1,274	1,825
Thailand	466	177	409	517	214	511	1,098	352	404	227	644	1,130
United Arab Emirates	1,225	666	909	1,189	1,221	1,521	1,982	1,408	1,187	2,612	2,464	1,669
United States	17	21	17	19	15	20	36	36	21	63	26	127
Other countries	1,474	1,506	1,380	2,065	1,781	2,039	3,013	2,077	1,928	2,582	1,717	851
Jumlah / Total	16,388	22,653	19,940	23,929	22,415	35,637	45,437	33,273	30,900	33,327	30,638	35,389
(B) Peratusan Sumbangan Percentage Share												
Australia	0.2	1.0	0.4	0.4	0.2	0.1	0.6	0.2	0.2	1.2	2.3	1.8
Brunei Darussalam	1.3	2.5	1.9	0.2	0.8	1.2	1.9	1.3	0.9	0.1	0.7	0.8
China	21.4	21.0	12.1	6.2	12.5	11.0	10.5	18.4	23.7	11.2	13.9	10.9
Egypt	0.5	0.6	0.9	0.0	-	1.3	0.0	0.0	0.4	-	0.3	0.5
India	8.8	11.1	4.4	5.7	10.0	4.9	5.9	2.7	2.1	7.5	5.4	5.0
Indonesia	4.2	3.3	3.1	2.2	3.8	1.5	3.1	4.9	2.1	2.3	3.0	3.4
Iraq	3.4	1.4	1.5	1.0	2.5	0.5	0.3	-	-	-	0.1	1.2
Italy	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.6	0.0	0.0	0.8
Korea, Republic Of	9.3	9.3	12.6	19.7	12.0	14.2	10.3	11.6	12.9	11.6	10.5	11.8
Malaysia	0.0	0.0	0.0	0.0	-	0.0	-	0.2	0.1	0.1	0.4	0.4
Oman	1.5	3.0	2.4	1.5	2.5	3.0	2.2	1.1	0.3	-	0.0	0.7
Philippines	0.2	0.0	0.6	0.4	0.7	0.6	0.2	0.3	0.2	0.0	0.3	0.6
Qatar	0.0	0.1	0.0	0.1	0.0	0.7	0.7	0.3	0.5	1.6	0.1	1.4
Russian Federation	0.4	1.6	1.3	0.2	1.4	3.9	4.0	3.5	3.1	7.2	3.5	8.6
Saudi Arabia	3.4	2.6	3.2	6.4	3.0	1.9	3.0	2.3	3.9	4.5	4.2	4.5
Singapore	24.3	27.0	32.2	35.3	32.1	37.2	36.5	36.4	32.9	31.1	35.4	31.7
Taiwan, Province Of China	1.5	5.2	9.9	4.9	3.2	6.2	7.4	5.3	4.7	5.2	4.2	5.2
Thailand	2.8	0.8	2.0	2.2	1.0	1.4	2.4	1.1	1.3	0.7	2.1	3.2
United Arab Emirates	7.5	2.9	4.6	5.0	5.4	4.3	4.4	4.2	3.8	7.8	8.0	4.7
United States	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.4
Other countries	9.0	6.6	6.9	8.6	7.9	5.7	6.6	6.2	6.2	7.7	5.6	2.4
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)

Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

14a **Nilai Import Gas Asli Cecair (LNG) mengikut Negara Asal - Tahunan**
Import Value of Liquefied Natural Gas (LNG) by Country of Origin - Annually

Keterangan <i>Description</i>	2018	2019	2020	2021	2022 ^f	2023 ^p
(A) Nilai (RM Juta) <i>Value (RM Million)</i>						
Australia	1,924	3,587	3,612	1,222	6,804	6,330
Brunei Darussalam	810	1,618	1,131	166	2,741	665
Equatorial Guinea	-	74	-	-	-	-
Indonesia	-	-	-	-	46	-
Nigeria	-	60	79	74	-	-
Singapore	0	-	82	-	-	-
United States	-	140	-	-	0	-
Jumlah / Total	2,734	5,480	4,904	1,462	9,591	6,995
(B) Peratusan Sumbangan <i>Percentage Share</i>						
Australia	70.4	65.5	73.7	83.6	70.9	90.5
Brunei Darussalam	29.6	29.5	23.1	11.3	28.6	9.5
Equatorial Guinea	-	1.4	-	-	-	-
Indonesia	-	-	-	-	0.5	-
Nigeria	-	1.1	1.6	5.1	-	-
Singapore	0.0	-	1.7	-	-	-
United States	-	2.6	-	-	0.0	-
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p **Awalan / Preliminary**

^f **Muktamad / Final**

14b

Nilai Import Gas Asli Cecair (LNG) mengikut Negara Asal - Suku Tahunan
Import Value of Liquefied Natural Gas (LNG) by Country of Origin - Quarterly

Keterangan		2021				2022 ^f				2023 ^p			
Description		I	II	III	IV	I	II	III	IV	I	II	III	IV
(A)	Nilai (RM Juta) Value (RM Million)												
	Australia	478	492	118	133	1,142	1,376	2,381	1,905	1,666	1,607	1,356	1,701
	Brunei Darussalam	-	-	112	54	137	553	1,300	751	226	225	215	-
	Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-	-
	Indonesia	-	-	-	-	-	-	-	46	-	-	-	-
	Nigeria	74	-	-	-	-	-	-	-	-	-	-	-
	Singapore	-	-	-	-	-	-	-	-	-	-	-	-
	United States	-	-	-	-	-	-	0	-	-	-	-	-
	Jumlah / Total	553	492	230	187	1,280	1,929	3,680	2,702	1,892	1,832	1,571	1,701
(B)	Peratusan Sumbangan Percentage Share												
	Australia	86.5	100.0	51.4	71.3	89.3	71.3	64.7	70.5	88.1	87.7	86.3	100.0
	Brunei Darussalam	-	-	48.6	28.7	10.7	28.7	35.3	27.8	11.9	12.3	13.7	-
	Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-	-
	Indonesia	-	-	-	-	-	-	-	1.7	-	-	-	-
	Nigeria	13.5	-	-	-	-	-	-	-	-	-	-	-
	Singapore	-	-	-	-	-	-	-	-	-	-	-	-
	United States	-	-	-	-	-	-	0.0	-	-	-	-	-
	Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)

Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p Awalan / Preliminary
^f Muktamad / Final

15a KDNK mengikut Jenis Aktiviti Ekonomi pada Harga Semasa - Tahunan
GDP by Economic Activity at Current Prices - Annually

Keterangan Description	2015	2016	2017	2018	2019	2020	2021 ^e	2022 ^p	2023
(A) Nilai (RM Juta) Value (RM Million)									
Pertanian / Agriculture	97,539	105,756	117,995	108,757	109,542	115,834	148,301	159,803	141,155
Perlombongan dan Pengkuarian Mining and Quarrying	103,059	103,959	121,326	134,833	131,084	96,172	124,355	176,870	155,516
Minyak Mentah dan Kondensat Crude Oil and Condensate	46,526	46,023	58,254	70,800	64,285	39,011	55,325	77,325	65,602
Gas Asli / Natural Gas	49,119	49,722	53,908	54,290	56,035	47,923	59,834	89,053	78,864
Perlombongan Lain & Pengkuarian dan Perkhidmatan Sokongan Other Mining & Quarrying and Supporting Services	7,414	8,214	9,164	9,743	10,764	9,237	9,195	10,492	11,050
Pembuatan / Manufacturing	262,379	272,396	299,797	311,676	323,862	315,360	362,301	419,062	420,109
Produk Petroleum Bertapis Refined Petroleum Products	34,341	32,404	39,791	45,228	47,481	42,119	55,636	69,580	63,624
Pembinaan / Construction	55,382	61,089	66,552	70,048	71,067	57,657	55,717	60,816	65,978
Perkhidmatan / Services	643,883	689,969	747,360	804,993	860,130	817,713	841,201	955,993	1,019,451
Tambah Duti Import / Plus Import Duties	14,699	16,529	19,280	17,453	17,053	15,755	17,023	18,812	20,439
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	1,176,941	1,249,698	1,372,310	1,447,760	1,512,738	1,418,491	1,548,898	1,791,358	1,822,647
(B) Perubahan Peratusan Tahunan Annual Percentage Change									
Pertanian / Agriculture	-0.1	8.4	11.6	-7.8	0.7	5.7	28.0	7.8	-11.7
Perlombongan dan Pengkuarian Mining and Quarrying	-4.9	0.9	16.7	11.1	-2.8	-26.6	29.3	42.2	-12.1
Minyak Mentah dan Kondensat Crude Oil and Condensate	-9.7	-1.1	26.6	21.5	-9.2	-39.3	41.8	39.8	-15.2
Gas Asli / Natural Gas	-3.0	1.2	8.4	0.7	3.2	-14.5	24.9	48.8	-11.4
Perlombongan Lain & Pengkuarian dan Perkhidmatan Sokongan Other Mining & Quarrying and Supporting Services	20.4	10.8	11.6	6.3	10.5	-14.2	-0.5	14.1	5.3
Pembuatan / Manufacturing	4.0	3.8	10.1	4.0	3.9	-2.6	14.9	15.7	0.2
Produk Petroleum Bertapis Refined Petroleum Products	-10.5	-5.6	22.8	13.7	5.0	-11.3	32.1	25.1	-8.6
Pembinaan / Construction	11.5	10.3	8.9	5.3	1.5	-18.9	-3.4	9.2	8.5
Perkhidmatan / Services	6.7	7.2	8.3	7.7	6.8	-4.9	2.9	13.6	6.6
Tambah Duti Import / Plus Import Duties	23.0	12.4	16.6	-9.5	-2.3	-7.6	8.0	10.5	8.6
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	4.7	6.2	9.8	5.5	4.5	-6.2	9.2	15.7	1.7
(C) Peratusan Sumbangan kepada KDNK Percentage Share to GDP									
Pertanian / Agriculture	8.3	8.5	8.6	7.5	7.2	8.2	9.6	8.9	7.7
Perlombongan dan Pengkuarian Mining and Quarrying	8.8	8.3	8.8	9.3	8.7	6.8	8.0	9.9	8.5
Minyak Mentah dan Kondensat Crude Oil and Condensate	4.0	3.7	4.2	4.9	4.2	2.8	3.6	4.3	3.6
Gas Asli / Natural Gas	4.2	4.0	3.9	3.7	3.7	3.4	3.9	5.0	4.3
Perlombongan Lain & Pengkuarian dan Perkhidmatan Sokongan Other Mining & Quarrying and Supporting Services	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6
Pembuatan / Manufacturing	22.3	21.8	21.8	21.5	21.4	22.2	23.4	23.4	23.0
Produk Petroleum Bertapis Refined Petroleum Products	2.9	2.6	2.9	3.1	3.1	3.0	3.6	3.9	3.5
Pembinaan / Construction	4.7	4.9	4.8	4.8	4.7	4.1	3.6	3.4	3.6
Perkhidmatan / Services	54.7	55.2	54.5	55.6	56.9	57.6	54.3	53.4	55.9
Tambah Duti Import / Plus Import Duties	1.2	1.3	1.4	1.2	1.1	1.1	1.1	1.1	1.1
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Keluaran Dalam Negeri Kasar (KDNK) Suku Tahunan
Source : Quarterly Gross Domestic Product (GDP)

Nota / Notes :

^e Anggaran / Estimate

^p Awalan / Preliminary

15b KDNK mengikut Jenis Aktiviti Ekonomi pada Harga Semasa - Suku Tahunan
GDP by Economic Activity at Current Prices - Quarterly

Keterangan / Description		2021 ^e				2022 ^p				2023			
		I	II	III	IV	I	II	III	IV	I	II	III	IV
(A)	Nilai (RM Juta) / Value (RM Million)												
	Pertanian / Agriculture	30,102	34,778	40,461	42,960	38,570	43,996	40,208	37,029	30,958	32,437	40,278	37,482
	Perombongan dan Pengkuarian	29,823	32,231	28,644	33,657	42,333	47,331	44,211	42,996	42,207	38,828	35,566	38,915
	<i>Mining and Quarrying</i>												
	Minyak Mentah dan Kondensat	13,838	16,651	11,682	13,154	20,058	24,942	16,939	15,386	17,502	17,832	14,314	15,954
	<i>Crude Oil and Condensate</i>												
	Gas Asli / Natural Gas	13,643	13,744	14,827	17,621	19,738	20,283	24,700	24,332	21,864	18,772	18,597	19,631
	<i>Natural Gas</i>												
	dan	2,342	1,836	2,135	2,882	2,537	2,106	2,572	3,277	2,842	2,224	2,655	3,330
	Perkhidmatan Sokongan												
	<i>Other Mining & Quarrying and</i>												
	<i>Supporting</i>												
	Pembuatan / Manufacturing	85,330	86,803	89,163	101,005	97,610	102,026	108,310	111,116	103,923	101,476	105,830	108,880
	Produk Petroleum Bertapis	12,271	12,536	15,180	15,650	15,406	15,819	19,849	18,506	16,775	14,838	16,193	15,818
	<i>Refined Petroleum Products</i>												
	Pembinaan / Construction	15,110	13,849	12,943	13,815	14,814	14,877	15,554	15,571	16,170	16,179	17,085	16,544
	Perkhidmatan / Services	206,986	202,208	203,250	228,758	224,832	231,453	243,986	255,722	246,328	245,215	258,900	269,008
	Tambah Duti Import / Plus Import Duties	4,160	4,594	3,716	4,552	4,144	4,905	4,728	5,036	4,573	5,184	5,107	5,574
	KDNK pada Harga Pembeli /	371,510	374,464	378,178	424,747	422,303	444,588	456,997	467,470	444,159	439,318	462,766	476,404
	<i>GDP at Purchasers' Prices</i>												
(B)	Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya / Percentage Change from Corresponding Quarter of Preceding Year												
	Pertanian / Agriculture	18.9	31.1	24.8	36.1	28.1	26.5	-0.6	-13.8	-19.7	-26.3	0.2	1.2
	Perombongan dan Pengkuarian	-3.9	52.2	35.0	48.0	41.9	46.8	54.3	27.7	-0.3	-18.0	-19.6	-9.5
	<i>Mining and Quarrying</i>												
	Minyak Mentah dan Kondensat	-3.5	118.8	30.9	61.8	44.9	49.8	45.0	17.0	-12.7	-28.5	-15.5	3.7
	<i>Crude Oil and Condensate</i>												
	Gas Asli / Natural Gas	-4.8	18.4	47.5	47.7	44.7	47.6	66.6	38.1	10.8	-7.4	-24.7	-19.3
	<i>Natural Gas</i>												
	dan	-0.6	-6.2	-4.9	7.7	8.3	14.7	20.5	13.7	12.0	5.6	3.2	1.6
	Perkhidmatan Sokongan												
	<i>Other Mining & Quarrying and</i>												
	<i>Supporting</i>												
	Pembuatan / Manufacturing	7.7	31.5	6.2	17.2	14.4	17.5	21.5	10.0	6.5	-0.5	-2.3	-2.0
	Produk Petroleum Bertapis	0.5	49.1	49.3	38.0	25.6	26.2	30.8	18.3	8.9	-6.2	-18.4	-14.5
	<i>Refined Petroleum Products</i>												
	Pembinaan / Construction	-10.2	42.8	-18.8	-9.1	-2.0	7.4	20.2	12.7	9.2	8.7	9.8	6.2
	Perkhidmatan / Services	-2.0	14.8	-3.8	4.5	8.6	14.5	20.0	11.8	9.6	5.9	6.1	5.2
	Tambah Duti Import / Plus Import Duties	17.4	30.2	-6.6	-3.2	-0.4	6.8	27.2	10.6	10.4	5.7	8.0	10.7
	KDNK pada Harga Pembeli /	1.2	23.5	2.6	12.0	13.7	18.7	20.8	10.1	5.2	-1.2	1.3	1.9
	<i>GDP at Purchasers' Prices</i>												
(C)	Perubahan Peratusan dari Suku Tahun Sebelumnya / Percentage Change from Preceding Quarter												
	Pertanian / Agriculture	-4.6	15.5	16.3	6.2	-10.2	14.1	-8.6	-7.9	-16.4	4.8	24.2	-6.9
	Perombongan dan Pengkuarian	31.2	8.1	-11.1	17.5	25.8	11.8	-6.6	-2.7	-1.8	-8.0	-8.4	9.4
	<i>Mining and Quarrying</i>												
	Minyak Mentah dan Kondensat	70.2	20.3	-29.8	12.6	52.5	24.4	-32.1	-9.2	13.8	1.9	-19.7	11.5
	<i>Crude Oil and Condensate</i>												
	Gas Asli / Natural Gas	14.4	0.7	7.9	18.8	12.0	2.8	21.8	-1.5	-10.1	-14.1	-0.9	5.6
	<i>Natural Gas</i>												
	dan	-12.5	-21.6	16.3	35.0	-12.0	-17.0	22.1	27.4	-13.3	-21.7	19.4	25.4
	Perkhidmatan Sokongan												
	<i>Other Mining & Quarrying and</i>												
	<i>Supporting</i>												
	Pembuatan / Manufacturing	-1.0	1.7	2.7	13.3	-3.4	4.5	6.2	2.6	-6.5	-2.4	4.3	2.9
	Produk Petroleum Bertapis	8.2	2.2	21.1	3.1	-1.6	2.7	25.5	-6.8	-9.4	-11.5	9.1	-2.3
	<i>Refined Petroleum Products</i>												
	Pembinaan / Construction	-0.6	-8.3	-6.5	6.7	7.2	0.4	4.5	0.1	3.8	0.1	5.6	-3.2
	Perkhidmatan / Services	-5.5	-2.3	0.5	12.5	-1.7	2.9	5.4	4.8	-3.7	-0.5	5.6	3.9
	Tambah Duti Import / Plus Import Duties	-11.6	10.5	-19.1	22.5	-9.0	18.4	-3.6	6.5	-9.2	13.4	-1.5	9.1
	KDNK pada Harga Pembeli /	-2.1	0.8	1.0	12.3	-0.6	5.3	2.8	2.3	-5.0	-1.1	5.3	2.9
	<i>GDP at Purchasers' Prices</i>												
(D)	Peratusan Sumbangan kepada KDNK / Percentage Share to GDP												
	Pertanian / Agriculture	8.1	9.3	10.7	10.1	9.1	9.9	8.8	7.9	7.0	7.4	8.7	7.9
	Perombongan dan Pengkuarian	8.0	8.6	7.6	7.9	10.0	10.6	9.7	9.2	9.5	8.8	7.7	8.2
	<i>Mining and Quarrying</i>												
	Minyak Mentah dan Kondensat	3.7	4.4	3.1	3.1	4.7	5.6	3.7	3.3	3.9	4.1	3.1	3.3
	<i>Crude Oil and Condensate</i>												
	Gas Asli / Natural Gas	3.7	3.7	3.9	4.1	4.7	4.6	5.4	5.2	4.9	4.3	4.0	4.1
	<i>Natural Gas</i>												
	dan	0.6	0.5	0.6	0.7	0.6	0.5	0.6	0.7	0.6	0.5	0.6	0.7
	Perkhidmatan Sokongan												
	<i>Other Mining & Quarrying and</i>												
	<i>Supporting</i>												
	Pembuatan / Manufacturing	23.0	23.2	23.6	23.8	23.1	22.9	23.7	23.8	23.4	23.1	22.9	22.9
	Produk Petroleum Bertapis	3.3	3.3	4.0	3.7	3.6	3.6	4.3	4.0	3.8	3.4	3.5	3.3
	<i>Refined Petroleum Products</i>												
	Pembinaan / Construction	4.1	3.7	3.4	3.3	3.5	3.3	3.4	3.3	3.6	3.7	3.7	3.5
	Perkhidmatan / Services	55.7	54.0	53.7	53.9	53.2	52.1	53.4	54.7	55.5	55.8	55.9	56.5
	Tambah Duti Import / Plus Import Duties	1.1	1.2	1.0	1.1	1.0	1.1	1.0	1.1	1.0	1.2	1.1	1.2
	KDNK pada Harga Pembeli /	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	<i>GDP at Purchasers' Prices</i>												

Nota / Notes :

^e Anggaran / Estimate

^p Awalan / Preliminary

Sumber : Keluaran Dalam Negeri Kasar (KDNK) Suku Tahunan

Source : Quarterly Gross Domestic Product (GDP)

16a KDNK mengikut Jenis Aktiviti Ekonomi pada Harga Malar - Tahunan
GDP by Economic Activity at Constant Prices - Annually

Keterangan Description	2015	2016	2017	2018	2019	2020	2021 ^e	2022 ^p	2023
(A) Nilai (RM Juta) Value (RM Million)									
Pertanian / Agriculture	97,539	93,977	99,509	99,637	101,573	99,109	99,000	99,073	99,791
Perlombongan dan Pengkuarian Mining and Quarrying	103,059	105,368	105,838	103,557	102,887	92,879	93,717	96,199	97,199
Minyak Mentah dan Kondensat Crude Oil and Condensate	46,526	46,821	45,807	45,430	42,460	38,430	36,410	35,409	36,100
Gas Asli / Natural Gas	49,119	50,607	51,492	49,322	50,643	45,896	49,166	52,065	52,030
Perlombongan Lain & Pengkuarian dan Perkhidmatan Sokongan Other Mining & Quarrying and Supporting Services	7,414	7,940	8,539	8,806	9,784	8,554	8,142	8,726	9,068
Pembuatan / Manufacturing	262,379	273,899	290,464	304,843	316,283	307,606	336,839	364,131	366,703
Produk Petroleum Bertapis Refined Petroleum Products	34,341	35,522	36,750	37,962	39,026	35,286	39,814	41,904	40,956
Pembinaan / Construction	55,382	59,508	63,522	66,194	66,453	53,616	50,889	53,441	56,689
Perkhidmatan / Services	643,883	680,561	723,361	772,990	820,576	777,693	794,552	881,310	927,826
Tambah Duti Import / Plus Import Duties	14,699	16,000	18,076	16,546	16,179	15,346	15,646	16,785	18,339
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	1,176,941	1,229,312	1,300,769	1,363,766	1,423,952	1,346,249	1,390,644	1,510,939	1,566,546
(B) Perubahan Peratusan Tahunan Annual Percentage Change									
Pertanian / Agriculture	1.4	-3.7	5.9	0.1	1.9	-2.4	-0.1	0.1	0.7
Perlombongan dan Pengkuarian Mining and Quarrying	5.3	2.2	0.4	-2.2	-0.6	-9.7	0.9	2.6	1.0
Minyak Mentah dan Kondensat Crude Oil and Condensate	10.4	0.6	-2.2	-0.8	-6.5	-9.5	-5.3	-2.7	2.0
Gas Asli / Natural Gas	-1.0	3.0	1.7	-4.2	2.7	-9.4	7.1	5.9	-0.1
Perlombongan Lain & Pengkuarian dan Perkhidmatan Sokongan Other Mining & Quarrying and Supporting Services	13.7	7.1	7.5	3.1	11.1	-12.6	-4.8	7.2	3.9
Pembuatan / Manufacturing	4.8	4.4	6.0	5.0	3.8	-2.7	9.5	8.1	0.7
Produk Petroleum Bertapis Refined Petroleum Products	1.2	3.4	3.5	3.3	2.8	-9.6	12.8	5.2	-2.3
Pembinaan / Construction	8.4	7.4	6.7	4.2	0.4	-19.3	-5.1	5.0	6.1
Perkhidmatan / Services	5.3	5.7	6.3	6.9	6.2	-5.2	2.2	10.9	5.3
Tambah Duti Import / Plus Import Duties	18.6	8.8	13.0	-8.5	-2.2	-5.2	2.0	7.3	9.3
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	5.1	4.4	5.8	4.8	4.4	-5.5	3.3	8.7	3.7
(C) Peratusan Sumbangan kepada KDNK Percentage Share to GDP									
Pertanian / Agriculture	8.3	7.6	7.6	7.3	7.1	7.4	7.1	6.6	6.4
Perlombongan dan Pengkuarian Mining and Quarrying	8.8	8.6	8.1	7.6	7.2	6.9	6.7	6.4	6.2
Minyak Mentah dan Kondensat Crude Oil and Condensate	4.0	3.8	3.5	3.3	3.0	2.9	2.6	2.3	2.3
Gas Asli / Natural Gas	4.2	4.1	4.0	3.6	3.6	3.4	3.5	3.4	3.3
Perlombongan Lain & Pengkuarian dan Perkhidmatan Sokongan Other Mining & Quarrying and Supporting Services	0.6	0.6	0.7	0.6	0.7	0.6	0.6	0.6	0.6
Pembuatan / Manufacturing	22.3	22.3	22.3	22.4	22.2	22.8	24.2	24.1	23.4
Produk Petroleum Bertapis Refined Petroleum Products	2.9	2.9	2.8	2.8	2.7	2.6	2.9	2.8	2.6
Pembinaan / Construction	4.7	4.8	4.9	4.9	4.7	4.0	3.7	3.5	3.6
Perkhidmatan / Services	54.7	55.4	55.6	56.7	57.6	57.8	57.1	58.3	59.2
Tambah Duti Import / Plus Import Duties	1.2	1.3	1.4	1.2	1.1	1.1	1.1	1.1	1.2
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Keluaran Dalam Negeri Kasar (KDNK) Suku Tahunan
Source : Quarterly Gross Domestic Product (GDP)

Nota / Notes :

^e Anggaran / Estimate

^p Awalan / Preliminary

16b KDNK mengikut Jenis Aktiviti Ekonomi pada Harga Malar - Suku Tahunan
GDP by Economic Activity at Constant Prices - Quarterly

Keterangan / Description	2021 ^e				2022 ^p				2023			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Nilai (RM Juta) / Value (RM Million)												
Pertanian / Agriculture	22,596	24,090	27,356	24,958	22,610	23,526	27,697	25,240	22,834	23,295	27,938	25,723
Perombongan dan Pengkuarian	24,630	24,073	21,207	23,807	24,087	23,666	23,133	25,314	24,675	23,128	23,113	26,283
Mining and Quarrying												
Minyak Mentah dan Kondensat	9,775	9,594	8,281	8,760	8,863	8,975	8,435	9,136	9,213	8,837	8,616	9,434
Crude Oil and Condensate												
Gas Asli / Natural Gas	12,746	12,820	10,987	12,612	13,096	12,937	12,494	13,538	13,180	12,469	12,215	14,165
dan												
Perkhidmatan Sokongan	2,109	1,660	1,938	2,435	2,127	1,754	2,204	2,640	2,282	1,821	2,282	2,684
Other Mining & Quarrying and Supporting												
Pembuatan / Manufacturing	81,710	81,543	81,697	91,889	87,181	89,039	92,399	95,513	89,996	89,151	92,291	95,264
Produk Petroleum Bertapis	9,425	9,605	10,409	10,375	9,665	9,877	11,506	10,857	10,270	9,649	10,538	10,499
Refined Petroleum Products												
Pembinaan / Construction	13,786	12,639	11,843	12,620	12,945	12,953	13,655	13,889	13,906	13,759	14,641	14,382
Perkhidmatan / Services	197,305	191,355	191,818	214,074	209,973	214,034	223,829	233,475	225,342	224,105	235,131	243,248
Tambah Duti Import / Plus Import Duties	3,978	4,068	3,365	4,235	3,808	4,228	4,171	4,577	4,211	4,510	4,540	5,077
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	344,005	337,770	337,286	371,583	360,603	367,444	384,884	398,008	380,966	377,949	397,655	409,977
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya / Percentage Change from Corresponding Quarter of Preceding Year												
Pertanian / Agriculture	0.3	-1.4	-2.1	3.1	0.1	-2.3	1.2	1.1	1.0	-1.0	0.9	1.9
Perombongan dan Pengkuarian	-3.3	12.6	-3.6	-0.9	-2.2	-1.7	9.1	6.3	2.4	-2.3	-0.1	3.8
Mining and Quarrying												
Minyak Mentah dan Kondensat	-10.3	6.2	-8.9	-6.9	-9.3	-6.5	1.9	4.3	4.0	-1.5	2.1	3.3
Crude Oil and Condensate												
Gas Asli / Natural Gas	2.5	22.0	2.0	3.6	2.7	0.9	13.7	7.3	0.6	-3.6	-2.2	4.6
dan												
Perkhidmatan Sokongan	-1.4	-10.0	-9.4	0.1	0.9	5.7	13.7	8.4	7.3	3.8	3.5	1.7
Other Mining & Quarrying and Supporting												
Pembuatan / Manufacturing	6.6	26.7	-0.9	9.2	6.7	9.2	13.1	3.9	3.2	0.1	-0.1	-0.3
Produk Petroleum Bertapis	-4.6	33.8	19.1	9.3	2.5	2.8	10.5	4.6	6.3	-2.3	-8.4	-3.3
Refined Petroleum Products												
Pembinaan / Construction	-10.3	40.4	-20.5	-12.0	-6.1	2.5	15.3	10.1	7.4	6.2	7.2	3.6
Perkhidmatan / Services	-2.0	13.8	-4.6	3.3	6.4	11.9	16.7	9.1	7.3	4.7	5.0	4.2
Tambah Duti Import / Plus Import Duties	18.9	18.4	-12.5	-10.3	-4.3	3.9	24.0	8.1	10.6	6.7	8.9	10.9
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	-0.2	16.2	-4.2	3.6	4.8	8.8	14.1	7.1	5.6	2.9	3.3	3.0
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya / Percentage Change from Preceding Quarter												
Pertanian / Agriculture	-6.7	6.6	13.6	-8.8	-9.4	4.1	17.7	-8.9	-9.5	2.0	19.9	-7.9
Perombongan dan Pengkuarian	2.5	-2.3	-11.9	12.3	1.2	-1.7	-2.2	9.4	-2.5	-6.3	-0.1	13.7
Mining and Quarrying												
Minyak Mentah dan Kondensat	3.9	-1.9	-13.7	5.8	1.2	1.3	-6.0	8.3	0.8	-4.1	-2.5	9.5
Crude Oil and Condensate												
Gas Asli / Natural Gas	4.7	0.6	-14.3	14.8	3.8	-1.2	-3.4	8.4	-2.6	-5.4	-2.0	16.0
dan												
Perkhidmatan Sokongan	-13.3	-21.3	16.8	25.7	-12.6	-17.5	25.7	19.8	-13.6	-20.2	25.3	17.6
Other Mining & Quarrying and Supporting												
Pembuatan / Manufacturing	-2.9	-0.2	0.2	12.5	-5.1	2.1	3.8	3.4	-5.8	-0.9	3.5	3.2
Produk Petroleum Bertapis	-0.7	1.9	8.4	-0.3	-6.8	2.2	16.5	-5.6	-5.4	-6.0	9.2	-0.4
Refined Petroleum Products												
Pembinaan / Construction	-3.9	-8.3	-6.3	6.6	2.6	0.1	5.4	1.7	0.1	-1.1	6.4	-1.8
Perkhidmatan / Services	-4.8	-3.0	0.2	11.6	-1.9	1.9	4.6	4.3	-3.5	-0.5	4.9	3.5
Tambah Duti Import / Plus Import Duties	-15.7	2.3	-17.3	25.8	-10.1	11.0	-1.3	9.7	-8.0	7.1	0.7	11.8
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	-4.1	-1.8	-0.1	10.2	-3.0	1.9	4.7	3.4	-4.3	-0.8	5.2	3.1
(D) Peratusan Sumbangan kepada KDNK / Percentage Share to GDP												
Pertanian / Agriculture	6.6	7.1	8.1	6.7	6.3	6.4	7.2	6.3	6.0	6.2	7.0	6.3
Perombongan dan Pengkuarian	7.2	7.1	6.3	6.4	6.7	6.4	6.0	6.4	6.5	6.1	5.8	6.4
Mining and Quarrying												
Minyak Mentah dan Kondensat	2.8	2.8	2.5	2.4	2.5	2.4	2.2	2.3	2.4	2.3	2.2	2.3
Crude Oil and Condensate												
Gas Asli / Natural Gas	3.7	3.8	3.3	3.4	3.6	3.5	3.2	3.4	3.5	3.3	3.1	3.5
dan												
Perkhidmatan Sokongan	0.6	0.5	0.6	0.7	0.6	0.5	0.6	0.7	0.6	0.5	0.6	0.7
Other Mining & Quarrying and Supporting												
Pembuatan / Manufacturing	23.8	24.1	24.2	24.7	24.2	24.2	24.0	24.0	23.6	23.6	23.2	23.2
Produk Petroleum Bertapis	2.7	2.8	3.1	2.8	2.7	2.7	3.0	2.7	2.7	2.6	2.7	2.6
Refined Petroleum Products												
Pembinaan / Construction	4.0	3.7	3.5	3.4	3.6	3.5	3.5	3.5	3.7	3.6	3.7	3.5
Perkhidmatan / Services	57.4	56.7	56.9	57.6	58.2	58.2	58.2	58.7	59.2	59.3	59.1	59.3
Tambah Duti Import / Plus Import Duties	1.2	1.2	1.0	1.1	1.1	1.2	1.1	1.1	1.1	1.2	1.1	1.2
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Nota / Notes :

^e Anggaran / Estimate

^p Awalan / Preliminary

Sumber : Keluaran Dalam Negeri Kasar (KDNK) Suku Tahunan

Source : Quarterly Gross Domestic Product (GDP)

Keterangan Description		Wajaran Weights 2015	2015	2016	2017	2018	2019	2020	2021	2022	2023
(A) Indeks Index											
IPP / IPI		100.0	100.0	104.1	108.7	112.2	114.9	110.2	118.3	126.2	127.3
Perlombongan / Mining		25.1	100.0	102.4	102.7	100.6	99.3	90.5	91.8	93.9	94.7
Pengekstrakan Minyak Petroleum Mentah dan Kondensat <i>Extraction of Crude Petroleum Oils and Condensates</i>		12.2	100.0	101.2	99.5	99.3	93.5	85.1	80.8	78.6	80.3
Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) <i>Production of Crude Gaseous Hydrocarbon (Natural Gas)</i>		12.9	100.0	103.5	105.8	101.9	104.9	95.5	102.3	108.3	108.3
Pembuatan / Manufacturing		68.3	100.0	104.3	110.7	116.0	120.1	116.9	128.1	138.5	139.5
Produk Petroleum, Kimia, Getah dan Plastik <i>Petroleum, Chemical, Rubber and Plastic Products</i>		20.6	100.0	104.1	108.3	112.6	115.9	115.0	130.1	131.3	130.1
Pembuatan Kok dan Produk Petroleum Bertapis <i>Manufacture of Coke and Refined Petroleum Products</i>		9.4	100.0	103.1	106.7	110.2	113.2	101.2	112.9	120.0	118.1
Pembuatan Kimia dan Produk Kimia <i>Manufacture of Chemicals and Chemical Products</i>		6.4	100.0	106.0	110.6	115.5	117.5	109.2	119.5	124.4	129.7
Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani <i>Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products</i>		0.4	100.0	104.4	109.4	115.9	120.7	138.2	159.9	169.7	168.4
Pembuatan Produk Getah dan Plastik <i>Manufacture of Rubber and Plastics Products</i>		4.5	100.0	103.6	108.4	113.4	118.9	150.2	178.4	161.2	152.6
Elektrik / Electric		6.6	100.0	108.6	110.9	116.3	119.9	115.7	118.6	122.9	125.9
(B) Perubahan Peratusan Tahunan Annual Percentage Change											
IPP / IPI				4.1	4.4	3.2	2.4	-4.1	7.4	6.7	0.9
Perlombongan / Mining				2.4	0.4	-2.1	-1.3	-8.9	1.5	2.2	0.8
Pengekstrakan Minyak Petroleum Mentah dan Kondensat <i>Extraction of Crude Petroleum Oils and Condensates</i>				1.2	-1.7	-0.2	-5.9	-8.9	-5.2	-2.7	2.1
Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) <i>Production of Crude Gaseous Hydrocarbon (Natural Gas)</i>				3.5	2.2	-3.7	3.0	-8.9	7.1	5.9	0.0
Pembuatan / Manufacturing				4.3	6.1	4.8	3.6	-2.7	9.5	8.2	0.7
Produk Petroleum, Kimia, Getah dan Plastik <i>Petroleum, Chemical, Rubber and Plastic Products</i>				4.1	4.0	4.6	4.9	-0.8	13.1	0.9	-0.9
Pembuatan Kok dan Produk Petroleum Bertapis <i>Manufacture of Coke and Refined Petroleum Products</i>				3.1	3.5	3.3	2.7	-10.6	11.6	6.3	-1.6
Pembuatan Kimia dan Produk Kimia <i>Manufacture of Chemicals and Chemical Products</i>				6.0	4.3	4.4	1.8	-7.1	9.4	4.1	4.2
Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani <i>Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products</i>				4.4	4.8	5.9	4.2	14.5	15.7	6.1	-0.7
Pembuatan Produk Getah dan Plastik <i>Manufacture of Rubber and Plastics Products</i>				3.6	4.6	4.6	4.9	26.3	18.8	-9.6	-5.3
Elektrik / Electric				8.6	2.1	4.8	3.1	-3.5	2.5	3.6	2.5

Sumber : Indeks Pengeluaran Perindustrian (2015=100)

Source : Index of Industrial Production (2015=100)

17b IPP dan Indeks Sektor (2015=100) - Suku Tahunan
IPI and Sectors Indices (2015=100) - Quarterly

Keterangan Description		Wajaran Weights 2015	2021				2022				2023			
			I	II	III	IV	I	II	III	IV	I	II	III	IV
(A)	Indeks Index													
	IPP / IPI	100.0	117.7	115.8	114.4	125.3	122.6	123.6	128.4	130.4	126.2	123.2	128.4	131.6
	Perlombongan / Mining	25.1	97.1	94.9	83.8	91.4	94.7	92.8	91.0	97.0	96.7	90.1	90.7	101.1
	Pengekstrakan Minyak Petroleum Mentah dan Kondensat / Extraction of Crude Petroleum Oils and Condensates	12.2	86.4	83.8	74.9	77.9	78.3	78.4	76.4	81.3	81.6	77.2	78.1	84.2
	Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) / Production of Crude Gaseous Hydrocarbon (Natural Gas)	12.9	107.3	105.3	92.2	104.3	110.3	106.3	104.8	111.9	111.0	102.4	102.6	117.2
	Pembuatan / Manufacturing	68.3	125.3	123.4	125.6	137.9	133.2	134.8	142.5	143.5	137.7	134.9	142.3	143.2
	Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	20.6	131.0	127.7	131.3	130.3	130.2	126.6	136.9	131.5	132.9	124.3	132.9	130.3
	Pembuatan Kok dan Produk Petroleum Bertapis Manufacture of Coke and Refined Petroleum Products	9.4	113.7	105.9	115.6	116.3	118.6	110.7	128.4	122.3	128.0	108.7	117.5	118.1
	Pembuatan Kimia dan Produk Kimia Manufacture of Chemicals and Chemical Products	6.4	120.7	112.9	119.5	125.0	125.7	120.1	124.6	127.2	129.2	125.9	133.3	130.4
	Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani / Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products	0.4	142.1	155.1	173.4	169.1	156.2	162.7	185.6	174.3	165.3	163.1	176.1	169.2
	Pembuatan Produk Getah dan Plastik Manufacture of Rubber and Plastics Products	4.5	181.0	191.8	177.3	163.6	158.3	166.0	167.8	152.9	145.9	151.4	160.9	152.3
	Elektrik / Electric	6.6	117.1	117.8	115.6	123.8	119.4	124.7	125.6	121.8	119.7	128.2	128.1	127.7
(B)	Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year													
	IPP / IPI		4.1	22.5	-1.2	6.9	4.2	6.7	12.2	4.0	2.9	-0.3	-0.1	1.0
	Perlombongan / Mining		-3.3	14.8	-3.0	-1.1	-2.5	-2.2	8.6	6.1	2.1	-2.8	-0.4	4.3
	Pengekstrakan Minyak Petroleum Mentah dan Kondensat / Extraction of Crude Petroleum Oils and Condensates		-10.0	6.6	-8.7	-7.1	-9.4	-6.4	1.9	4.4	4.2	-1.6	2.2	3.6
	Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) / Production of Crude Gaseous Hydrocarbon (Natural Gas)		2.5	22.0	2.0	3.6	2.7	0.9	13.7	7.3	0.6	-3.7	-2.1	4.7
	Pembuatan / Manufacturing		6.8	26.3	-0.7	9.2	6.3	9.3	13.4	4.0	3.4	0.1	-0.1	-0.2
	Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products		9.2	29.3	11.4	5.6	-0.7	-0.8	4.2	0.9	2.1	-1.8	-2.9	-0.9
	Pembuatan Kok dan Produk Petroleum Bertapis Manufacture of Coke and Refined Petroleum Products		-5.9	34.5	18.0	8.6	4.3	4.5	11.1	5.1	7.9	-1.8	-8.5	-3.5
	Pembuatan Kimia dan Produk Kimia Manufacture of Chemicals and Chemical Products		4.5	16.6	7.3	10.5	4.2	6.5	4.3	1.7	2.8	4.8	7.0	2.5
	Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani / Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products		21.5	10.8	12.2	19.5	9.9	4.9	7.0	3.0	5.8	0.2	-5.1	-2.9
	Pembuatan Produk Getah dan Plastik Manufacture of Rubber and Plastics Products		44.8	37.2	7.2	-4.1	-12.5	-13.5	-5.4	-6.5	-7.8	-8.8	-4.1	-0.4
	Elektrik / Electric		-0.1	8.6	-2.8	4.8	2.0	5.8	8.7	-1.7	0.3	2.8	1.9	4.9
(C)	Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter													
	IPP / IPI		0.4	-1.6	-1.2	9.5	-2.1	0.8	3.9	1.5	-3.3	-2.3	4.2	2.5
	Perlombongan / Mining		5.1	-2.3	-11.7	9.1	3.6	-2.1	-1.9	6.6	-0.3	-6.8	0.6	11.5
	Pengekstrakan Minyak Petroleum Mentah dan Kondensat / Extraction of Crude Petroleum Oils and Condensates		3.1	-3.0	-10.6	3.9	0.5	0.2	-2.6	6.4	0.3	-5.4	1.1	7.8
	Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) / Production of Crude Gaseous Hydrocarbon (Natural Gas)		6.6	-1.8	-12.5	13.1	5.8	-3.6	-1.5	6.8	-0.8	-7.7	0.2	14.2
	Pembuatan / Manufacturing		-0.8	-1.5	1.8	9.8	-3.4	1.2	5.7	0.7	-4.0	-2.1	5.5	0.6
	Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products		6.2	-2.6	2.8	-0.8	-0.1	-2.7	8.1	-3.9	1.1	-6.5	6.9	-2.0
	Pembuatan Kok dan Produk Petroleum Bertapis Manufacture of Coke and Refined Petroleum Products		6.1	-6.8	9.1	0.7	2.0	-6.7	16.0	-4.7	4.6	-15.1	8.2	0.5
	Pembuatan Kimia dan Produk Kimia Manufacture of Chemicals and Chemical Products		6.7	-6.5	5.9	4.6	0.5	-4.4	3.7	2.1	1.6	-2.5	5.8	-2.2
	Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani / Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products		0.5	9.1	11.8	-2.5	-7.6	4.1	14.1	-6.1	-5.1	-1.4	8.0	-3.9
	Pembuatan Produk Getah dan Plastik Manufacture of Rubber and Plastics Products		6.2	5.9	-7.5	-7.7	-3.2	4.8	1.1	-8.8	-4.6	3.7	6.3	-5.3
	Elektrik / Electric		-0.9	0.7	-1.9	7.1	-3.6	4.5	0.7	-3.1	-1.7	7.1	-0.1	-0.3

Sumber : Indeks Pengeluaran Perindustrian (2015=100)
Source : Index of Industrial Production (2015=100)

18a IHPR (2010=100) Pengeluaran Tempatan, Pengekstrakan Petroleum Mentah & Gas Asli dan Pembuatan Kok & Produk Petroleum Bertapis - Tahunan
PPI (2010=100) Local Production, Extraction of Crude Petroleum & Natural Gas and Manufacture of Coke & Refined Petroleum Products - Annually

Keterangan Description		Wajaran Weights 2015	2015	2016	2017	2018	2019	2020	2021	2022	2023
(A) Indeks Index											
IHPR / PPI		100.000	102.2	101.1	107.9	106.7	105.2	102.4	112.1	120.8	118.5
Perlombongan / Mining		7.927	86.1	72.9	90.9	106.8	102.9	65.5	92.5	104.2	98.1
Pengekstrakan Petroleum Mentah Extraction of Crude Petroleum		5.782	79.2	73.8	96.5	116.6	110.8	66.9	98.8	105.1	94.5
Pengekstrakan Gas Asli Extraction of Natural Gas		2.145	108.9	70.2	72.4	75.4	78.2	63.6	73.7	105.9	116.4
Pembuatan / Manufacturing		81.571	104.8	103.5	109.0	107.0	106.0	105.6	111.4	120.8	120.5
Pembuatan Produk Petroleum Bertapis Manufacture of Refined Petroleum Products		10.038	107.5	92.7	112.6	124.6	126.4	117.7	133.4	160.6	151.9
(B) Perubahan Peratusan Tahunan Annual Percentage Change											
IHPR / PPI			-7.4	-1.1	6.7	-1.1	-1.4	-2.7	9.5	7.8	-1.9
Perlombongan / Mining			-36.1	-15.3	24.6	17.5	-3.7	-36.3	41.2	12.6	-5.9
Pengekstrakan Petroleum Mentah Extraction of Crude Petroleum			61.1	-6.9	30.8	20.8	-5.0	-39.6	47.6	6.3	-10.1
Pengekstrakan Gas Asli Extraction of Natural Gas			-31.2	-35.6	3.2	4.1	3.8	-18.7	15.9	43.8	9.9
Pembuatan / Manufacturing			-3.6	-1.2	5.3	-1.8	-0.9	-0.4	5.5	8.4	-0.2
Pembuatan Produk Petroleum Bertapis Manufacture of Refined Petroleum Products			-19.3	-13.8	21.5	10.6	1.4	-6.9	13.4	20.4	-5.4

Sumber : Indeks Harga Pengeluar Pengeluaran Tempatan (2010 = 100)
Source : Producer Price Index Local Production (2010 = 100)

18b

IHPR (2010=100) Pengeluaran Tempatan, Pengekstrakan Petroleum Mentah & Gas Asli dan Pembuatan Kok & Produk Petroleum Bertapis - Suku Tahu
PPI (2010=100) Local Production, Extraction of Crude Petroleum & Natural Gas and Manufacture of Coke & Refined Petroleum Products - Quarterly

Keterangan Description		Wajaran Weights 2015	2021				2022				2023			
			I	II	III	IV	I	II	III	IV	I	II	III	IV
(A)	Indeks Index													
	IHPR / PPI	100.000	108.5	111.3	113.1	115.5	119.6	123.6	120.4	119.6	118.6	118.5	118.7	118.4
	Perlombongan / Mining	7.927	81.3	89.6	98.4	100.9	104.3	106.4	103.2	102.7	97.2	94.9	100.3	100.1
	Pengekstrakan Petroleum Mentah Extraction of Crude Petroleum	5.782	86.9	96.6	104.8	106.9	109.5	110.2	102.9	97.6	91.2	90.2	97.9	98.5
	Pengekstrakan Gas Asli Extraction of Natural Gas	2.145	64.1	68.1	79.2	83.3	90.4	97.8	109.2	126.5	124.0	116.8	114.2	110.8
	Pembuatan / Manufacturing	81.571	108.6	110.6	112.2	114.2	117.3	121.7	122.4	121.7	120.7	120.5	120.3	120.3
	Pembuatan Produk Petroleum Bertapis Manufacture of Refined Petroleum Products	10.038	124.3	130.2	136.9	142.2	150.0	160.0	166.3	166.1	158.5	152.7	148.4	148.0
(B)	Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year													
	IHPR / PPI		3.0	11.3	11.8	11.9	10.2	11.1	6.5	3.5	-0.8	-4.1	-1.4	-1.0
	Perlombongan / Mining		-7.3	73.9	58.9	65.3	28.4	18.8	4.9	1.8	-6.8	-10.8	-2.8	-2.5
	Pengekstrakan Petroleum Mentah Extraction of Crude Petroleum		-5.7	96.8	63.2	71.9	25.9	14.1	-1.8	-8.6	-16.7	-18.1	-4.9	0.9
	Pengekstrakan Gas Asli Extraction of Natural Gas		-14.6	7.6	41.0	39.4	41.1	43.6	37.8	51.8	37.2	19.4	4.6	-12.4
	Pembuatan / Manufacturing		1.6	5.0	7.3	7.9	8.0	10.0	9.1	6.6	2.9	-1.0	-1.7	-1.2
	Pembuatan Produk Petroleum Bertapis Manufacture of Refined Petroleum Products		-1.0	10.1	21.2	24.9	20.7	22.9	21.4	16.8	5.7	-4.6	-10.7	-10.9
(C)	Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter													
	IHPR / PPI		5.1	2.6	1.6	2.1	3.5	3.3	-2.6	-0.7	-0.8	-0.1	0.2	-0.3
	Perlombongan / Mining		33.2	10.3	9.8	2.5	3.4	2.0	-3.0	-0.5	-5.4	-2.4	5.7	-0.2
	Pengekstrakan Petroleum Mentah Extraction of Crude Petroleum		39.8	11.1	8.5	2.0	2.4	0.6	-6.6	-5.1	-6.6	-1.1	8.5	0.6
	Pengekstrakan Gas Asli Extraction of Natural Gas		7.2	6.2	16.4	5.2	8.4	8.2	11.7	15.8	-2.0	-5.8	-2.2	-3.0
	Pembuatan / Manufacturing		2.6	1.8	1.4	1.8	2.7	3.8	0.6	-0.6	-0.8	-0.2	-0.2	0.0
	Pembuatan Produk Petroleum Bertapis Manufacture of Refined Petroleum Products		9.1	4.8	5.2	3.8	5.5	6.6	3.9	-0.1	-4.6	-3.7	-2.8	-0.3

Sumber : Indeks Harga Pengeluar Pengeluaran Tempatan (2010 = 100)
Source : Producer Price Index Local Production (2010 = 100)

19a

Statistik Guna Tenaga Sektor Perlombongan dan Pengkuarian mengikut Kemahiran - Tahunan

Employment Statistics of Mining and Quarrying Sector by Skill - Annually

Keterangan Description	2015	2016	2017	2018	2019	2020	2021	2022	2023 ^P
(A) Bilangan ('000 orang) Total ('000 persons)									
Mahir Skilled	24.2	24.1	24.5	24.6	24.7	24.2	23.5	23.2	23.4
Separuh Mahir Semi-skilled	47.1	46.6	47.1	47.1	47.3	45.3	44.6	46.1	47.0
Berkemahiran Rendah Low-skilled	10.8	10.1	10.1	10.1	10.3	9.4	9.4	9.7	9.6
Jumlah Total	82.1	80.8	81.6	81.7	82.2	78.9	77.4	79.1	80.1
(B) Peratusan Sumbangan Percentage Share									
Mahir Skilled	29.4	29.8	30.0	30.1	30.0	30.7	30.3	29.4	29.3
Separuh Mahir Semi-skilled	57.4	57.7	57.7	57.6	57.5	57.3	57.6	58.3	58.7
Berkemahiran Rendah Low-skilled	13.2	12.5	12.3	12.3	12.5	12.0	12.1	12.3	12.0
Jumlah Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Statistik Guna Tenaga Suku Tahunan

Source : Quarterly Employment Statistics

Nota / Notes :

^P Awalan / Preliminary

19b

Statistik Guna Tenaga Sektor Perlombongan dan Pengkuarian mengikut Kemahiran - Suku Tahunan

Employment Statistics of Mining and Quarrying Sector by Skill - Quarterly

Keterangan Description		2021				2022				2023 ^P			
		I	II	III	IV	I	II	III	IV	I	II	III	IV
(A)	Bilangan ('000 orang) Total ('000 persons)												
	Mahir Skilled	23.5	23.5	23.5	23.5	23.4	23.5	22.9	23.2	23.5	23.5	23.6	23.4
	Separuh Mahir Semi-skilled	46.1	45.6	45.0	44.6	44.4	44.3	45.4	46.1	46.4	46.8	47.2	47.0
	Berkemahiran Rendah Low-skilled	9.5	9.4	9.4	9.4	9.3	9.4	9.6	9.7	9.7	9.6	9.5	9.6
	Jumlah Total	79.1	78.4	77.9	77.4	77.1	77.2	77.9	79.1	79.7	79.9	80.3	80.1
(B)	Peratusan Sumbangan Percentage Share												
	Mahir Skilled	29.8	29.9	30.1	30.3	30.3	30.5	29.4	29.4	29.6	29.4	29.3	29.3
	Separuh Mahir Semi-skilled	58.3	58.1	57.8	57.6	57.6	57.3	58.3	58.3	58.2	58.6	58.8	58.7
	Berkemahiran Rendah Low-skilled	12.0	12.0	12.1	12.1	12.1	12.2	12.3	12.3	12.2	12.0	11.9	12.0
	Jumlah Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Statistik Guna Tenaga Suku Tahunan

Source : Quarterly Employment Statistics

Nota / Notes :

^P Awalan / Preliminary

20a

Produktiviti Buruh Sektor Perlombongan dan Pengkuarian - Tahunan

Labour Productivity of Mining and Quarrying Sector - Annually

Keterangan Description		2015	2016	2017	2018	2019	2020	2021 ^e	2022 ^p	2023
(A) Produktiviti Productivity										
Nilai Ditambah pada Harga Malar Value Added at Constant Prices	(RM Juta) (RM Million)	103,059	105,368	105,838	103,557	102,887	92,879	93,717	96,199	97,199
Jumlah Jam Bekerja Total Hours Worked	(Juta Jam) (Million Hours)	190	190	196	185	185	168	175	181	185
Jumlah Pekerja Total Workers	('000 Orang) (‘000 Persons)	79	76	81	76	75	74	75	76	76
Nilai Ditambah per Jam Pekerja Value Added per Hour Worked	RM	541	554	540	558	556	554	537	530	525
Nilai Ditambah per Pekerja Value Added per Employment	RM	1,303,562	1,380,564	1,313,956	1,367,042	1,363,562	1,259,637	1,249,966	1,267,278	1,274,288
(B) Perubahan Peratusan Tahunan Annual Percentage Change										
Nilai Ditambah pada Harga Malar Value Added at Constant Prices		-	2.2	0.4	-2.2	-0.6	-9.7	0.9	2.6	1.0
Jumlah Jam Bekerja Total Hours Worked		-	-0.04	2.9	-5.3	-0.3	-9.4	4.2	3.9	2.0
Jumlah Pekerja Total		-	-3.5	5.5	-6.0	-0.4	-2.3	1.7	1.2	0.5
Nilai Ditambah per Jam Pekerja Value Added per Hour Worked		-	2.3	-2.4	3.3	-0.4	-0.3	-3.2	-1.2	-0.9
Nilai Ditambah per Pekerja Value Added per Employment		-	5.9	-4.8	4.0	-0.3	-7.6	-0.8	1.4	0.6

Sumber : Produktiviti Buruh Suku Tahunan

Source : Quarterly Labour Productivity

Nota / Notes :

^e Anggaran / Estimate

^p Awalan / Preliminary

20b

Produktiviti Buruh Sektor Perlombongan dan Pengkuarian - Suku Tahunan

Labour Productivity of Mining and Quarrying Sector - Quarterly

Keterangan Description			2021 ^e				2022 ^p				2023			
			I	II	III	IV	I	II	III	IV	I	II	III	IV
(A)	Produktiviti Productivity													
	Nilai Ditambah pada Harga Malar Value Added at Constant Prices	(RM Juta) (RM Million)	24,630	24,073	21,207	23,807	24,087	23,666	23,133	25,314	24,675	23,128	23,113	26,283
	Jumlah Jam Bekerja Total Hours Worked	(Juta Jam) (Million Hours)	44	43	44	45	45	45	46	46	46	47	46	47
	Jumlah Pekerja Total Workers	('000 Orang) (000 Persons)	74	74	76	76	76	76	76	76	76	76	76	76
	Nilai Ditambah per Jam Pekerja Value Added per Hour Worked	RM	564	566	486	531	531	531	506	553	540	495	503	563
	Nilai Ditambah per Pekerja Value Added per Employment	RM	333,475	323,649	279,934	313,635	317,764	312,671	304,286	332,521	323,940	303,180	302,703	344,483
(B)	Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year													
	Nilai Ditambah pada Harga Malar Value Added at Constant Prices		-3.3	12.6	-3.6	-0.9	-2.2	-1.7	9.1	6.3	2.4	-2.3	-0.1	3.8
	Jumlah Jam Bekerja Total Hours Worked		-2.5	22.6	-7.3	9.3	3.9	4.8	4.8	2.0	0.9	4.7	0.4	2.0
	Jumlah Pekerja Total Workers		-0.8	-0.2	-2.3	11.0	2.6	1.8	0.4	0.3	0.5	0.8	0.4	0.2
	Nilai Ditambah per Jam Pekerja Value Added per Hour Worked		-0.8	-8.2	4.0	-9.3	-5.9	-6.2	4.1	4.2	1.6	-6.7	-0.4	1.8
	Nilai Ditambah per Pekerja Value Added per Employment		-2.4	12.8	-1.4	-10.7	-4.7	-3.4	8.7	6.0	1.9	-3.0	-0.5	3.6

Sumber : Produktiviti Buruh Suku Tahunan

Source : Quarterly Labour Productivity

Nota / Notes :

- ^e Anggaran / Estimate
- ^p Awalan / Preliminary

BAHAGIAN
PART

3



NOTA TEKNIKAL
TECHNICAL NOTES

**A. PENDAHULUAN**

Penerbitan ini mengandungi statistik pengeluaran, jualan, harga, eksport dan import berkaitan minyak mentah & kondensat dan gas asli. Selain itu, indikator makroekonomi yang merangkumi Keluaran Dalam Negeri Kasar (KDNK), Indeks Pengeluaran Perindustrian (IPP), Indeks Harga Pengeluar (IHPR) serta statistik guna tenaga dan produktiviti buruh turut dilaporkan dalam penerbitan ini.

B. SUMBER STATISTIK

Statistik yang diterima daripada Petroliaam Nasional Berhad (PETRONAS), Malaysia Thailand Joint Authority (MTJA) dan statistik yang disusun oleh Jabatan Perangkaan Malaysia (DOSM).

C. KONSEP DAN DEFINISI

Konsep dan definisi yang digunakan berasaskan kepada syor *International Recommendation for Industrial Statistics*, 2008 oleh *United Nations Statistics Division* dan *Joint Organisations Data Initiative* (JODI). Konsep tersebut adalah mengikut amalan yang telah diterima pakai dan dengan itu memudahkan perbandingan data di peringkat antarabangsa.

Takrif perlombongan yang digunakan adalah seperti berikut:

“Perlombongan adalah ditakrifkan sebagai pengekstrakan, pembersihan dan pemanfaatan mineral-mineral semulajadi, berbentuk pepejal seperti arang batu dan bijih, cecair seperti minyak mentah dan berbentuk gas seperti gas asli. Perlombongan termasuk lombong bawah tanah dan lombong permukaan, kuari dan telaga-telaga dan semua kegiatan tambahan untuk pembersihan dan pemanfaatan bijih dan mineral mentah lain seperti pemecahan, penapisan, pembasuhan, pembersihan, penggredan, pengilangan, pengapungan, peleburan, penggentelan, pengkacipan dan persiapan-persiapan lain yang diperlukan bagi menyediakan bahan-bahan ini untuk membolehkannya dipasarkan. Aktiviti perlombongan juga dikelaskan kepada kumpulan-kumpulan berdasarkan mineral utama yang dikeluarkan”.

1. Minyak Mentah

Satu campuran hidrokarbon yang wujud dalam bentuk cecair dalam takungan bawah tanah semula jadi dan kekal sebagai cecair pada tekanan atmosfera selepas melalui kaedah pemisahan permukaan.

2. Kondensat

Hidrokarbon dalam bentuk gas di bawah takungan dan bertukar menjadi cecair apabila dibawa ke permukaan bumi dan bebas daripada suhu dan tekanan yang tinggi.

3. Gas asli

Gas asli adalah cecair atau cecair hidrokarbon yang diperolehi daripada gas asli semasa proses pengasingan atau loji pemprosesan gas. Gas asli cecair termasuk etana, propana, butana (normal dan iso-), (iso) pentana dan pentana ditambah (juga dirujuk sebagai gasolin semula jadi atau kondensat tumbuhan). Gas asli boleh diklasifikasikan seperti berikut:

i. Gas bersekutu

Gas asli yang dikenali sebagai *gas-caps* yang terletak di atas dan bersekali dengan minyak dalam takungan.



ii. Gas tidak bersekatu

Gas asli yang tidak bersekali dengan minyak mentah dalam takungan.

4. Gas Petroleum Cecair (LPG)

Gas petroleum cecair (LPG) adalah nama generik bagi propana dan butana komersial. Gas ini dihasilkan daripada kilang pemprosesan gas asli atau dari kilang penapisan.

LPG wujud secara semula jadi sebagai gas pada tekanan atmosfera. LPG mempunyai kaedah khas untuk menjadi cecair pada suhu atmosfera jika dimampatkan dengan sederhana, dengan mudah ia boleh ditukar dari cecair ke gas pada tekanan atmosfera. Bagi memudahkan pengangkutan dan penyimpanan, LPG biasanya dibotolkan dalam keadaan cecair (kira-kira 250 kali lebih padat daripada bentuk gas), walau bagaimanapun propana boleh dibekalkan secara pukal untuk tangki simpanan di premis pengguna.

LPG digunakan secara domestik, terutamanya untuk tujuan pemanasan dan memasak serta perindustrian, contohnya sebagai bahan mentah untuk industri petrokimia. Ia juga semakin digunakan dalam sektor pengangkutan sebagai bahan api kenderaan, kerana sifat-sifat pembakaran bersih dan harga yang lebih rendah.

5. Gasolin

i. Gasolin motor

Gasolin motor adalah bahan api utama yang digunakan dalam sektor pengangkutan/jalan dan kira-kira 25 peratus daripada jumlah penggunaan minyak di dunia.

Gasolin motor adalah campuran kompleks hidrokarbon yang tidak menentu yang digunakan untuk *internal spark-ignition engines*. Gasolin dihasilkan di kilang hasil daripada penyulingan utama minyak mentah dan proses selanjutnya, termasuk mengubah struktur molekul, sehingga memenuhi spesifikasi yang diperlukan. Ciri-ciri gasolin yang dihasilkan bergantung kepada jenis minyak mentah yang digunakan dan persediaan kilang di mana ia dihasilkan.

Gasolin motor mungkin termasuk beberapa kuantiti bahan tambahan dan komponen campuran untuk memperbaiki sifat-sifat bahan api seperti contohnya *octane number*, kestabilan dan pembentukan deposit dalam enjin.

ii. Gasolin penerbangan

Gasolin penerbangan adalah campuran beberapa sebatian hidrokarbon yang berbeza. Keperluan spesifikasi untuk gasolin penerbangan, terutamanya adalah *anti-knock*, ketidakstabilan, kecairan, kestabilan, kehakisan dan kebersihan menetapkan batasan terperinci pada bahan-bahan yang boleh digunakan.

6. Minyak Bahan Api

Minyak bahan api adalah produk campuran berdasarkan sisa dari pelbagai penapisan, penyulingan dan proses pemecahan. Ia adalah cecair likat dengan sifat bau dan ia memerlukan pemanasan untuk penyimpanan dan pembakaran. Minyak bahan api berat digunakan dalam medium untuk industri kilang besar, aplikasi marin dan stesen kuasa dalam peralatan pembakaran seperti dandang, relau dan enjin diesel.



7. Minyak Diesel/gas

Minyak diesel/gas adalah minyak bahan api ringan yang disuling semasa proses penapisan dan digunakan terutamanya untuk pemanasan, tujuan automotif dalam enjin diesel dan penjanaan kuasa.

Dua jenis minyak diesel/gas yang utama dibezakan dari segi kegunaannya:

i. Pengangkutan diesel

Bahan api yang digunakan untuk pembakaran dalam enjin diesel di jalan raya, kereta, lori dan lain-lain, biasanya kandungan sulfur adalah rendah.

ii. *Heating oil* dan minyak gas lain

Minyak bahan api sulingan yang terutamanya digunakan dalam *stationary* atau *marine diesel engines*. Ia termasuk *light heating oil* yang digunakan untuk ruang pemanasan kediaman atau komersial, atau dalam industri kilang. Ia juga termasuk diesel marin untuk kegunaan tongkang dan bot enjin dan minyak gas berat lain yang boleh digunakan sebagai stok bahan petrokimia.

8. Minyak Pelincir Campuran

Minyak pelincir campuran adalah hidrokarbon yang dihasilkan daripada sulingan mengikut produk dan digunakan terutamanya untuk mengurangkan geseran antara permukaan *bearing* pada kenderaan. Minyak ini termasuk semua gred minyak pelincir akhir, dari minyak gelendong (*spindle*) sehingga minyak silinder, serta yang digunakan di dalam gris, termasuk minyak motor dan semua gred minyak pelincir asas.

9. Minyak Tanah

i. Kerosin jet

Merupakan sulingan yang digunakan untuk unit kuasa turbin penerbangan. Ia mempunyai ciri-ciri yang sama di antara penyulingan 150°C dan 300°C (biasanya tidak melebihi 250°C) dan titik kilat seperti minyak tanah. Di samping itu, ia mempunyai spesifikasi tertentu (seperti titik beku) yang ditubuhkan oleh Persatuan Pengangkutan Udara Antarabangsa (IATA).

ii. Lain-lain minyak tanah

Penyulingan sederhana minyak antara 150°C dan 300°C, sekurang-kurangnya 65 peratus daripada jumlah sulingan pada 250°C. Gravitinya adalah kira-kira 0.80 dan titik kilat adalah melebihi 38°C. Ia digunakan sebagai cahaya dan bahan api dalam beberapa jenis enjin *spark-ignition*, seperti yang digunakan untuk traktor pertanian dan enjin pegun. Nama-nama lain untuk produk ini adalah pembakaran minyak, pemeluwapan minyak, *power kerosene* dan *illuminating oil*.

10. Nafta

Nafta adalah bahan mentah yang digunakan sama ada untuk industri petrokimia (cth: pengeluaran etilena atau pengeluaran aromatik) atau untuk pengeluaran gasolin oleh proses *reforming* atau *isomeration* dalam penapisan. Nafta terdiri daripada bahan dalam peringkat penyulingan 30°C dan 210°C atau sebahagian daripada selang ini.



11. Purata Harga 'Lifting' Berpemberat

Harga purata 'lifting' berpemberat Minyak mentah dan kondensat adalah harga yang diwartakan.

12. Minyak Mentah *West Texas Intermediate (WTI)*

Aliran minyak mentah yang dihasilkan di Texas dan Oklahoma Selatan yang berfungsi sebagai rujukan atau "penanda aras" untuk menetapkan harga beberapa aliran minyak mentah lain dan yang didagangkan dalam pasaran tempatan domestik di Cushing, Oklahoma.

13. Minyak Mentah *Brent*

Sejenis mentah campuran yang dihasilkan di kawasan Laut Utara United Kingdom yang berfungsi sebagai rujukan atau "penanda aras" untuk menetapkan harga beberapa aliran minyak mentah lain.

14. *Henry Hub*

Hab saluran paip di pantai Teluk Louisiana. Ia adalah pusat penghantaran untuk kontrak perniagaan gas asli masa hadapan di *New York Mercantile Exchange (NYMEX)*.

15. Eksport Negara Destinasi

Sesuatu barang (keluaran atau buatan tempatan atau diimport untuk dieksport semula) dianggap sebagai eksport apabila ianya dibawa keluar dari negara.

Eksport dikelaskan mengikut negara destinasi, iaitu negara di mana barangan itu dijangka akan digunakan; berdasarkan sejauh mana maklumat ini dapat ditentukan pada masa ianya dieksport. Bagi barangan yang dihantar dengan *optional bill of lading*, negara di mana pelabuhan pertama diketahui akan dikira sebagai negara yang dituju. Bagi barangan yang dieksport melalui Singapura, jika maklumat mengenai negara yang ditujunya tidak dapat ditentukan, maka eksport berkenaan adalah dimasukkan di bawah nilai eksport ke Singapura, iaitu di bawah kategori yang sama seperti barangan yang digunakan di Singapura.

16. Import mengikut Negara Asal

Sesuatu barang dianggap sebagai import apabila ianya dibawa masuk ke dalam negara, sama ada terus ataupun disimpan di gudang-gudang yang dikawal tanpa mengira sama ada barang tersebut adalah untuk kegunaan sendiri, diproses, digunakan dalam perkilangan ataupun untuk dieksport semula ke negara lain.

Import dikelaskan mengikut negara asal barangan, iaitu negara di mana barangan itu dibentuk dengan lengkap seperti mana ianya diimport masuk ke dalam negara. Bagi barangan melalui Singapura, jika maklumat negara asalnya tidak dapat ditentukan, maka import berkenaan dimasukkan di bawah nilai import dari Singapura, iaitu di bawah kategori yang sama seperti barangan yang dibuat di Singapura.

**17. Keluaran Dalam Negeri Kasar**

Keluaran Dalam Negeri Kasar (KDNK) adalah jumlah nilai barangan dan perkhidmatan yang dikeluarkan dalam tempoh tertentu selepas ditolak kos barang dan perkhidmatan yang digunakan dalam proses pengeluaran. Nilai ini merupakan nilai sebelum ditolak nilai peruntukan bagi modal tetap; iaitu jumlah nilai ditambah pada harga pengeluar bagi pengeluar residen ditambah dengan duti import. KDNK ini juga bersamaan dengan perbelanjaan ke atas KDNK (pada harga pembeli) iaitu jumlah bagi semua komponen perbelanjaan akhir ke atas barangan dan perkhidmatan tolak dengan import barangan dan perkhidmatan.

KDNK boleh diukur dengan menggunakan tiga kaedah iaitu Kaedah Pengeluaran, Perbelanjaan dan Pendapatan. Namun begitu, penerbitan KDNK DOSM hanya menggunakan Kaedah Pengeluaran dan Perbelanjaan sahaja.

18. Indeks Pengeluaran Perindustrian Malaysia (2015=100)

Indeks Pengeluaran Perindustrian Malaysia (IPP) adalah untuk mengukur kadar perubahan sebenar pengeluaran komoditi perindustrian bagi satu tempoh masa. IPP merangkumi tiga sektor utama iaitu Perlombongan, Pembuatan dan Elektrik. Liputan ini adalah selaras dengan definisi sektor perindustrian dalam *International Recommendations for the Index of Industrial Production (IRIIP) 2010* yang dikeluarkan oleh *United Nations*.

19. Indeks Harga Pengeluar Pengeluaran Tempatan (2010=100)

Indeks Harga Pengeluar (IHPR) Pengeluaran Tempatan adalah untuk mengukur purata perubahan harga yang dikenakan oleh pengeluar barangan dalam sesuatu industri. IHPR yang merupakan indeks berasaskan output ini juga merupakan penunjuk ekonomi makro yang digunakan bagi memantau pergerakan harga output tempatan dan sering dilihat sebagai penunjuk awalan kepada Indeks Harga Pengguna.

20. Pekerja

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:

- i. 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.
- ii. Tidak bekerja buat sementara waktu tetapi bergaji dan pasti akan dipanggil bekerja semula.
- iii. Mereka yang bekerja kurang 30 jam seminggu semasa minggu rujukan disebabkan keadaan kerja atau kerja yang tidak mencukupi.
- iv. Mereka yang bekerja dalam keadaan guna tenaga tidak penuh:
 - Guna tenaga tidak penuh berkaitan masa merupakan 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.



- Guna tenaga tidak penuh berkaitan kemahiran mereka yang mempunyai pendidikan tertiar dan bekerja dalam kategori separuh mahir dan berkemahiran rendah.
 - Mereka yang bekerja lebih daripada 30 jam semasa minggu rujukan merupakan guna tenaga penuh.
- v. Bekerja semasa menjalani latihan atau aktiviti peningkatan kemahiran yang diperlukan oleh pekerjaan contohnya mereka yang mengikuti program *Reskilling and Upskilling*. (merujuk laporan III, ICLS 19th).
- vi. Perantis atau pelatih yang menerima bayaran tunai atau barangan seperti pelajar praktikal yang berbayar. (merujuk laporan III, ICLS 19th).

21. Kategori Kemahiran

Kategori kemahiran telah dikelaskan semula kepada tiga tahap kemahiran seperti berikut:

Kemahiran	MASCO 2013
Mahir	1. Pengurus 2. Profesional 3. Juruteknik dan profesional bersekutu
Separuh Mahir	1. Pekerja sokongan perkeranian 2. Pekerja perkhidmatan dan jualan 3. Pekerja mahir pertanian, perhutanan, penternakan, dan perikanan 4. Pekerja kemahiran dan pekerja pertukangan yang berkaitan 5. Operator mesin dan loji, dan pemasang
Berkemahiran Rendah	1. Pekerja asas

22. Produktiviti Buruh per Pekerja

Produktiviti buruh per pekerja ditakrifkan sebagai nisbah output (barangan dan perkhidmatan) kepada input (pekerja).

Ia menggambarkan jumlah output yang dihasilkan oleh setiap orang yang bekerja sepenuh masa, separuh masa, bekerja sendiri atau pekerja keluarga tanpa gaji yang bekerja sekurang-kurangnya satu jam dalam seminggu. Pekerja merujuk kepada keseluruhan pekerja pada akhir tempoh rujukan.

23. Produktiviti Buruh per Jam Bekerja

Produktiviti buruh per jam bekerja ditakrifkan sebagai nisbah output (barangan dan perkhidmatan) kepada input (jumlah jam bekerja). Ia menggambarkan jumlah output yang dihasilkan dalam tempoh sejam berdasarkan kategori pekerja yang bekerja sepenuh masa, separuh masa, bekerja sendiri atau pekerja keluarga tanpa gaji yang bekerja sekurang-kurangnya satu jam dalam seminggu.



Pekerja merujuk kepada keseluruhan pekerja kecuali mereka yang tidak bekerja pada akhir tempoh rujukan kerana sakit, kecederaan, hilang upaya, cuaca buruk, cuti, pertikaian buruh dan sebab sosial atau agama.

D. KLASIFIKASI

Klasifikasi sektor Perlombongan dan pengkuarian adalah berdasarkan Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Ver. 1.0 (Rujuk Lampiran).

E. PINDAAN

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



A. INTRODUCTION

This publication provides a statistics on production, sales, prices, exports and imports of crude oil & condensate and natural gas. In addition, macroeconomic indicators which include Gross Domestic Product (GDP), Industrial Production Index (IPI), Producer Price Index (PPI) as well as employment and labour productivity statistics are also reported to complete the statistics in this publication.

B. SOURCES OF STATISTICS

Statistics obtained from Petroliaam Nasional Berhad (PETRONAS), Malaysia Thailand Joint Authority (MTJA) and statistics compiled by Department of Statistics Malaysia (DOSM).

C. CONCEPTS AND DEFINITIONS

The concepts and definitions used are based on the International Recommendation for Industrial Statistics, 2008 by United Nations Statistics Division and the Joint Organisations Data Initiative (JODI). These concept are in accordance with the practices that have been adopted and thus facilitates the comparison of data internationally.

The definition of mining used is as follows:

“Mining is defined as the extraction, dressing and beneficiating of minerals occurring naturally as solids, such as coal and ores, liquids, such as crude oil, or gases, such as natural gas. Mining also includes underground and surface mines, quarries and wells and all supplemental activities for dressing and beneficiating ores and other crude minerals such as crushing, screening, washing, cleaning, grading, milling, flotation, melting, pelleting, topping and other preparations needed to render the material marketable. Mining activities are classified into groups on the basis of the principal mineral produced.”

1. Crude Oil

A mixture of hydrocarbons that exist in liquid form in a natural underground reservoir and remain as a liquid at atmospheric pressure after going through the surface separation method.

2. Condensate

Hydrocarbons are in the form of gases below the reservoir and turn into liquids when brought to the earth’s surface and are free from high temperatures and pressures.

3. Natural gas

Natural gas is liquid or liquefied hydrocarbons recovered from natural gas in separation facilities or gas processing plants. Liquefied natural gas includes ethane, propane, butane (normal and iso-), (iso) pentane and pentanes plus (sometimes referred to as natural gasoline or plant condensate). Natural gas can be classified as follows:

i. Associated gas

Natural gas known as gas-caps are located above and along with the oil in the reservoir.

ii. Non-associated gas

Natural gas that is not mixed with crude oil in the reservoir.



4. **Liquefied Petroleum Gas (LPG)**

Liquefied petroleum gas (LPG) is the generic name for commercial propane and commercial butane. It can be produced from natural gas processing plants, oil refineries and in natural gas liquefaction plants.

LPG occurs naturally as gas at atmospheric pressure. It has the special property of becoming liquid at atmospheric temperature if moderately compressed and can easily be converted from liquid into gas by being released to atmospheric pressure. In order to facilitate transport and storage, LPG is usually bottled in liquid state (about 250 times more dense than in its gaseous form), propane however can also be supplied in bulk for storage tanks at consumers' premises.

LPG is used domestically, mainly for heating and cooking purposes and industrially for example as feedstock to the petrochemical industry. It is also increasingly used in the transport sector as vehicle fuel, because of its cleaner burning properties and often lower end-use price.

5. **Gasoline**

i. **Motor gasoline**

Motor gasoline is the principal fuel used in the transport/road sector and accounts for some 25 per cent of total oil use in the world.

Motor gasoline is a complex mixture of relatively volatile hydrocarbons used for spark-ignition internal combustion engines. Gasoline is produced in refineries as the result of primary distillation of crude oil and then further processing, including changing the molecular structure, until the required specifications are met. The characteristics of the gasoline produced depend on the type of crude oil that is used and the setup of the refinery at which it is produced.

Motor gasoline may include some quantities of additives and blending components to improve fuel properties such as octane number, stability and deposit formation in engines.

ii. **Aviation gasoline**

Aviation gasoline is a mixture of many different hydrocarbon compounds. The specification requirements for aviation gasoline, especially anti-knock, volatility, fluidity, stability, corrosiveness, and cleanliness impose severe limitations on the compounds that can be used.

6. **Fuel Oil**

Fuel oil is a blended product based on the residues from various refinery distillation and cracking processes. It is a viscous liquid with a characteristic odour and it requires heating for storage and combustion. Fuel oil is used in medium to large industrial plants, marine applications and power stations in combustion equipment such as boilers, furnaces and diesel engines.



7. **Gas/diesel Oil**

Gas/diesel oil is a lighter fuel oil distilled off during the refining process and used primarily for heating, automotive purposes in diesel engines and for power generation. Two main types are distinguished by their uses:

i. **Transport diesel**

Fuel used for internal combustion in on-road diesel engines, cars, trucks and etc., usually of low sulphur content.

ii. **Heating oil and other gas oil**

This is a distillate fuel oil used mainly in stationary or marine diesel engines. It includes light heating oil which is used for residential or commercial space heating, or in industrial plants. It also includes marine diesel which is used for barge and boat engines and other heavier gas oils which may be used as petrochemical feed stocks.

8. **Blended Lubricating Oil**

Blended lubricating oil is hydrocarbons produced from distillate by product and they are mainly used to reduce friction between bearing surfaces. This category includes all finished grades of lubricating oil, from spindle oil to cylinder oil, and those used in grease, including motor oils and all grades of lubricating oil base stocks.

9. **Kerosenes**

i. **Kerosene type jet fuel**

This is a distillate used for aviation turbine power units. It has the same distillation characteristics between 150°C and 300°C (generally not above 250°C) and has flash point as kerosene. In addition, it has particular specifications (such as freezing point) which are established by the International Air Transport Association (IATA).

ii. **Other kerosene**

Medium distillation of oil between 150°C and 300°C, at least 65 per cent of the total distillation at 250°C. Its gravity is about 0.80 and the flash point is above 38°C. It is used as light and fuel in some types of spark-ignition engines, such as those used for agricultural tractors and stationary engines. Other names for this product are burning oil, vaporizing oil, power kerosene and illuminating oil.

10. **Naphtha**

Naphtha is a raw material used either for the petrochemical industry (e.g. ethylene production or aromatic production) or for the production of gasoline by reforming or isomerization processes in refining. Naphtha consists of substances in distillation stages of 30°C and 210°C or part of this interval.

11. **Weighted Average Lifting Price (WALP)**

Weighted Average Lifting Price (WALP) of Crude oil and condensate are gazetted prices.

12. **West Texas Intermediate (WTI) Crude Oil**

A crude stream produced in Texas and southern Oklahoma which serves as a reference or "marker" for pricing a number of other crude streams and which is traded in the domestic spot market at Cushing, Oklahoma.

**13. Brent Crude Oil**

A blended crude stream produced in the North Sea region of United Kingdom which serves as a reference or "marker" for pricing a number of other crude streams.

14. Henry Hub

A pipeline hub on the Louisiana Gulf coast. It is the delivery point for the natural gas futures contract on the New York Mercantile Exchange (NYMEX).

15. Exports by Country of Destination

Goods (locally produced or manufactured or imported for subsequent re-exports) are regarded as exports when they are taken out of the country.

Exports are classified according to the country of destination, that is the country where it is expected that the goods will be consumed insofar as this can be ascertained at the time of export. In the case of goods shipped on an optional bill of lading, the country of the first port declared is taken as the country of destination. For goods exported via Singapore, if information regarding the country of destination of goods is not known/available, such exports are included under the value of exports to Singapore that is under the same category as goods consumed in Singapore.

16. Imports by Country of Origin

Goods are regarded as imports when they are brought into the country either directly or into bonded warehouses, irrespective of whether such goods are for consumption, to be processed, use in manufacturing or subsequent re-exports to other countries.

Imports are classified according to the country of origin of the goods, that is the country where the goods are given the final form in which they are imported into the country. For goods imported via Singapore, if information regarding the country of origin cannot be ascertained, such imports are included under the value of imports from Singapore, that is under the same category as goods produced/manufactured in Singapore.

17. Gross Domestic Product (GDP)

GDP is the total value of all goods and services produced in a certain period after deducting the cost of goods and services used up in the process of production. This value is before deducting the allowances for consumption of fixed capital i.e. the sum of value added of resident producer in producer's price plus import duties. GDP is equivalent to expenditure on the GDP (in purchaser's price) i.e. the sum of all components of final expenditure on goods and services less imports of goods and services.

GDP can be measured by using three approaches namely Production, Expenditure and Income Approach. However, the DOSM publication only presents Production and Expenditure Approach.

18. Industrial Production Index, Malaysia (2015=100)

Industrial Production Index, Malaysia (IPI) is to measure the rate of change in the production of industrial commodities in real terms over time. The IPI covers three major sectors namely Mining, Manufacturing and Electricity. This coverage is in line with the industrial sector definition in the International Recommendations for the Index of Industrial Production (IRIIP) 2010 issued by the United Nations.



19. **Producer Price Index Local Production (2010=100)**

Producer Price Index (PPI) local production is to measures the average changes in price of commodities charged by domestic producers of an industry. The PPI, which is an output-based index, is also a macroeconomic indicator used to monitor the price movements of local outputs and is often viewed as a leading indicator of Consumer Price Index.

20. **Persons Engaged**

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:

- i. 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.
- ii. Were temporary laid-off with pay and would definitely be called back to work.
- iii. Were employed less than 30 hours per week during the reference week because of the nature of their work.
- iv. Were employed in the category of underemployment:
 - 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 categories
 - Persons who were employed more than 30 hours during the reference week are considered to be in full employment.
- v. Person who works for pay or profit while on training or skills-enhancement activities required by the job or for another job for example those who follow Reskilling and Upskilling programs. This refers to the 19th International Conference of Labour Statisticians (ICLS).
- vi. Apprentices, interns or trainees who work for pay in cash or in kind such paid practical students. This also refers to the 19th ICLS.

21. **Category of Skill**

The category of skill is regrouped into three levels of skill as follows:

Skill	MASCO 2013
Skilled	1. Managers 2. Professionals 3. Technicians and associate professionals
Semi-skilled	1. Clerical support workers 2. Service and sales workers 3. Skilled agricultural, forestry, livestock and fishery workers 4. Craft and related trades workers 5. Plant and machine operators and assemblers
Low-skilled	1. Elementary occupations

**22. Labour Productivity per Employment**

Labour productivity per employment is measured as the ratio of output (goods and services) to input (employment).

It reflects the amount of output produced by each employee in full-time, part-time, or self-employed or unpaid family worker for at least one hour within a week. Employment refers to the overall number of employees at the end of the reference period.

23. Labour Productivity per Hour Worked

Labour productivity per hour worked is defined as the ratio of output (goods and services) to input (total working hours). It reflects the amount of output produced within an hour based on the category of employees either in full-time, part-time or self-employed or unpaid family worker who worked for at least one hour within a week.

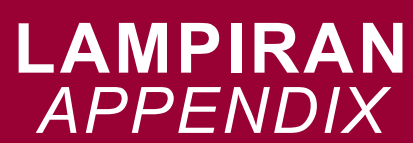
Employment refers to the overall number of employees excluding the employees who did not work during the reference period because of illness, injury, disability, bad weather, leave, labour dispute and social or religious reasons.

D. CLASSIFICATION

The Classification of Mining and quarrying sector is based on Malaysia Standard Industrial Classification (MSIC) 2008 Ver. 1.0 (Refer Appendix).

E. REVISION

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





Piawaian Klasifikasi Industri Malaysia, 2008 Ver. 1.0
Malaysia Standard Industrial Classification 2008 Ver. 1.0

Kumpulan Group	Perkara Details	Keterangan	Description
051		Perlombongan batu arang pepejal	Mining of hard coal
	05100	Perlombongan batu arang pepejal	Mining of hard coal
052		Perlombongan lignit	Mining of lignite
	05200	Perlombongan lignit (batu arang perang)	Mining of lignite (brown coal)
061		Pengekstrakan petroleum mentah	Extraction of crude petroleum oils
	06101	Pengekstrakan minyak petroleum mentah	Extraction of crude petroleum oils
	06102	Pengekstrakan bitumen atau minyak batu syal dan pasir tar	Extraction of bituminous or oil shale and tar sand
	06103	Pengeluaran petroleum mentah daripada batu syal dan pasir berbitumen	Production of crude petroleum from bituminous shale and sand
	06104	Proses mendapatkan minyak mentah	Processes to obtain crude oils
062		Pengekstrakan gas asli	Extraction of natural gas
	06201	Pengeluaran hidrokarbon mentah bergas (gas asli)	Production of crude gaseous hydrocarbon (natural gas)
	06202	Pengekstrakan kondensat	Extraction of condensates
	06203	Penyaliran dan pemisahan komponen hidrokarbon cecair	Draining and separation of liquid hydrocarbon fractions
	06204	Penyahsulfuran gas	Gas desulphurization
	06205	Perlombongan cecair hidrokarbon, diperoleh melalui pencairan atau penguraian kimia (pirolisis)	Mining of hydrocarbon liquids, obtain through liquefaction or pyrolysis
071		Perlombongan bijih besi	Mining of ores
	07101	Perlombongan bijih yang tinggi kandungan besi	Mining of ores valued chiefly for iron content
072		Perlombongan bijih logam bukan besi (non-ferrous)	Mining of non-ferrous metal ores
	07210	Perlombongan bijih uranium dan torium	Mining of uranium and thorium ores
	07291	Perlombongan bijih timah	Mining of tin ores
	07292	Perlombongan tembaga	Mining of copper
	07293	Perlombongan bauksit (aluminium)	Mining of bauxite (aluminium)
	07294	Perlombongan ilmenit	Mining of ilmenite
	07295	Perlombongan emas	Mining of gold
	07296	Perlombongan perak	Mining of silver
	07297	Perlombongan platinum	Mining of platinum
	07298	Pembilasan amang	Amang retreatment
	07299	Perlombongan bijih logam bukan besi lain	Mining of other non-ferrous metal ores n.e.c.



Piawaian Klasifikasi Industri Malaysia, 2008 Ver. 1.0
Malaysia Standard Industrial Classification 2008 Ver. 1.0

Kumpulan Group	Perkara Details	Keterangan	Description
081		Pengkuarian batu, pasir dan tanah liat	Quarrying of stone, sand and clay
	08101	Pengkuarian, pemotongan kasar bongkah batu dan batu bangunan seperti marmar, granit (batu dimensi), batu pasir	Quarrying, rough trimming and sawing of monumental and building stone such as marble, granite (dimension stone), sandstone
	08102	Pengkuarian, penghancuran dan pemecahan batu kapur	Quarrying, crushing and breaking of limestone
	08103	Perlombongan gipsum dan anhidrit	Mining of gypsum and anhydrite
	08104	Perlombongan kapur dan dolomit yang tidak dirawat	Mining of chalk and uncalcined dolomite
	08105	Pengekstrakan dan penggorekan bagi industri pasir, pasir untuk sektor pembinaan dan kerikil	Extraction and dredging of industrial sand, sand for construction and gravel
	08106	Pemecahan dan penghancuran batu dan kerikil	Breaking and crushing of stone and gravel
	08107	Pengkuarian pasir	Quarrying of sand
	08108	Perlombongan tanah liat, refraktori tanah liat dan kaolin	Mining of clays, refractory clays and kaolin
	08109	Pengkuarian, penghancuran dan pemecahan granit	Quarrying, crushing and breaking of granite
089		Perlombongan dan pengkuarian t.t.t.l	Mining and quarrying n.e.c
	08911	Perlombongan fosfat semulajadi	Mining of natural phosphates
	08912	Perlombongan garam kalium (potassium) semulajadi	Mining of natural potassium saltes
	08913	Perlombongan sulfur semulajadi	Mining of native sulphur
	08914	Pengekstrakan dan penyediaan pirit dan pirotit, kecuali penyalaian	Extraction and preparation of pyrites and pyrrhotite, except roasting
	08915	Perlombongan barium sulfat semulajadi dan karbonat (<i>barite and witherite</i>)	Mining of natural barium sulphate and carbonate (barytes and witherite)
	08916	Perlombongan borat semulajadi, magnesium sulfat semulajadi (<i>kieserite</i>)	Mining of natural borates, natural magnesium sulphates (<i>kieserite</i>)
	08917	Perlombongan earth colours, fluorspar dan mineral lain yang tinggi kandungan mineral sebagai sumber kimia	Mining of earth colours, fluorspar and other minerals valued chiefly as a source of chemicals
	08918	Perlombongan guano	Guano mining
	08921	Penggalian tanah gambut	Peat digging
	08922	Pengumpulan tanah gambut	Peat agglomeration
	08923	Penyediaan tanah gambut untuk pembaikan kualiti atau kemudahan pengangkutan atau penstoran	Preparation of peat to improve quality or facilitate transport or storage
	08931	Pengektrakan garam dari bawah tanah	Salt extraction from under ground
	08932	Pengeluaran garam melalui penyejatan air laut atau air masin lain	Salt production by evaporation of sea water or other saline waters
	08933	Penghancuran, penulenan dan penapisan garam oleh pengeluar	Crushing, purification and refining of salt by the producer



Piawaian Klasifikasi Industri Malaysia, 2008 Ver. 1.0
Malaysia Standard Industrial Classification 2008 Ver. 1.0

Kumpulan Group	Perkara Details	Keterangan	Description
	08991	Perlombongan dan pengkuarian bahan pelelas (bahan kesat)	<i>Mining and quarrying of abrasive materials</i>
	08992	Perlombongan dan pengkuarian asbestos	<i>Mining and quarrying of asbestos</i>
	08993	Perlombongan dan pengkuarian fosil bersilika	<i>Mining and quarrying of siliceous fossil meals</i>
	08994	Perlombongan dan pengkuarian grafit semulajadi	<i>Mining and quarrying of natural graphite</i>
	08995	Perlombongan dan pengkuarian steatite	<i>Mining and quarrying of steatite (talc)</i>
	08996	Perlombongan dan pengkuarian batu permata	<i>Mining and quarrying of gemstones</i>
	08999	Perlombongan dan pengkuarian lain t.t.t.l	<i>Other mining and quarrying n.e.c.</i>
091		Aktiviti perkhidmatan sokongan kepada pengekstrakan perlombongan dan pengkuarian	Support activities for mining and quarrying extraction
	09101	Aktiviti pengekstrakan petroleum dan gas yang dibekalkan atas dasar kontrak atau yuran	<i>Oil and gas extraction service activities provided on a fee or contract basis</i>
	09102	Perkhidmatan memadam kebakaran di lapangan minyak dan gas	<i>Oil and gas field fire fighting services</i>
099		Aktiviti sokongan perlombongan dan pengkuarian lain	Support activities for other mining and quarrying
	09900	Aktiviti sokongan perlombongan dan pengkuarian lain	<i>Support activities for other mining and quarrying</i>
		Pembuatan kok dan produk petroleum bertapis	Manufacture of coke and refined petroleum
192		Pembuatan produk petroleum bertapis	Manufacture of refined petroleum products
	19201	Pembuatan produk petroleum bertapis	<i>Manufacture of refined petroleum products</i>
	19202	Pembuatan produk bio-diesel	<i>Manufacture of bio-diesel products</i>
		Perdagangan borong kecuali kenderaan bermotor dan motosikal	Wholesale trade, except of motor vehicle and motorcycles
466		Lain-lain pengkhususan jual borong	Other specialized wholesale
	46611	Jualan borong petrol, diesel, pelincir	<i>Wholesale of petrol, diesel, lubricants</i>
	46612	Jualan borong gas petroleum cecair	<i>Wholesale of liquefied petroleum gas</i>
	46619	Jualan borong bahan api pepejal, cecair dan gas dan produk berkaitan t.t.t.l.	<i>Wholesale of other solid, liquid and gaseous fuels and related products n.e.c.</i>
		Perdagangan runcit kecuali kenderaan bermotor dan motosikal	Retail trade, except motor vehicles and motorcycles
473		Jualan runcit bahan api kenderaan di stor pengkhususan	Retail sale of automotive fuel in specialized stores
	47300	Jualan runcit bahan api kenderaan di kedai khusus	<i>Retail sale of automotive fuel in specialized stores</i>



ISSN 3009-0695

