



KEMENTERIAN SUMBER ASLI
DAN KELESTARIAN ALAM
JABATAN ALAM SEKITAR

BUKU KOMPENDIUM JABATAN ALAM SEKITAR 2025



JABATAN ALAM SEKITAR MALAYSIA
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Department of Environment, Malaysia
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Jabatan Alam Sekitar,
Kementerian Sumber Asli dan
Kelestarian Alam
Aras 1 - 4, Podium 2& 3,
Menara PETRA,
No.25, Persiaran Perdana, Presint 4
Pusat Pentadbiran Kerajaan
Persekutuan
62574 Putrajaya, Malaysia

KANDUNGAN

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PRAKATA / PREFACE

Assalamu'alaikum Warahmatullahi Wabarakatuh dan Salam Sejahtera.

Setinggi-tinggi penghargaan atas kerjasama dan sumbangan yang telah diberikan oleh semua warga Jabatan Alam Sekitar yang membawa kepada penerbitan Buku Kompendium JAS 2025 ini.

Buku Kompendium JAS ini adalah himpunan maklumat mengenai aktiviti JAS yang telah dijalankan sehingga berakhir Disember 2025. Maklumat seperti kualiti udara, kualiti air sungai, kualiti air marin dan pulau-pulau, kualiti air tanah dan pengurusan bahan berbahaya boleh didapati dalam Buku Kompendium ini bagi tujuan kajian, rujukan atau pembelajaran.

Penerbitan kompendium merupakan salah satu inisiatif penting JAS bagi perkongsian maklumat dan pencapaian dalam pengurusan alam sekitar di Malaysia.

Adalah diharapkan agar kompendium ini dapat memberikan manfaat kepada pelbagai jabatan/agensi kerajaan, sektor swasta, warga akademik, pelajar universiti/sekolah, serta orang awam yang berhasrat untuk mengumpul maklumat mengenai jabatan kami.

Sekian, terima kasih.

Assalamu'alaikum Warahmatullahi Wabarakatuh and Greetings,

Highest appreciation is expressed to all the Department of Environment (DOE) Officers for their cooperation and contributions in the effort to publish the DOE Compendium Book 2025.

This Compendium Book is a compilation of information about DOE's activities and program which have been carried out until December 2025. Information on air quality, river water quality, marine and island water quality, groundwater quality, and scheduled wastes management can be found in this Compendium Book for research, reference, or learning purposes.

The publication of this compendium is a significant initiative by DOE in sharing information and achievements of the department in environmental management in Malaysia.

It is hoped that this compendium would benefit various government departments/agencies, private sectors, academia, university/ school students and the general public who intend to gather information about our department.

Thank you.

JABATAN ALAM SEKITAR

JABATAN ALAM SEKITAR: PENGENALAN

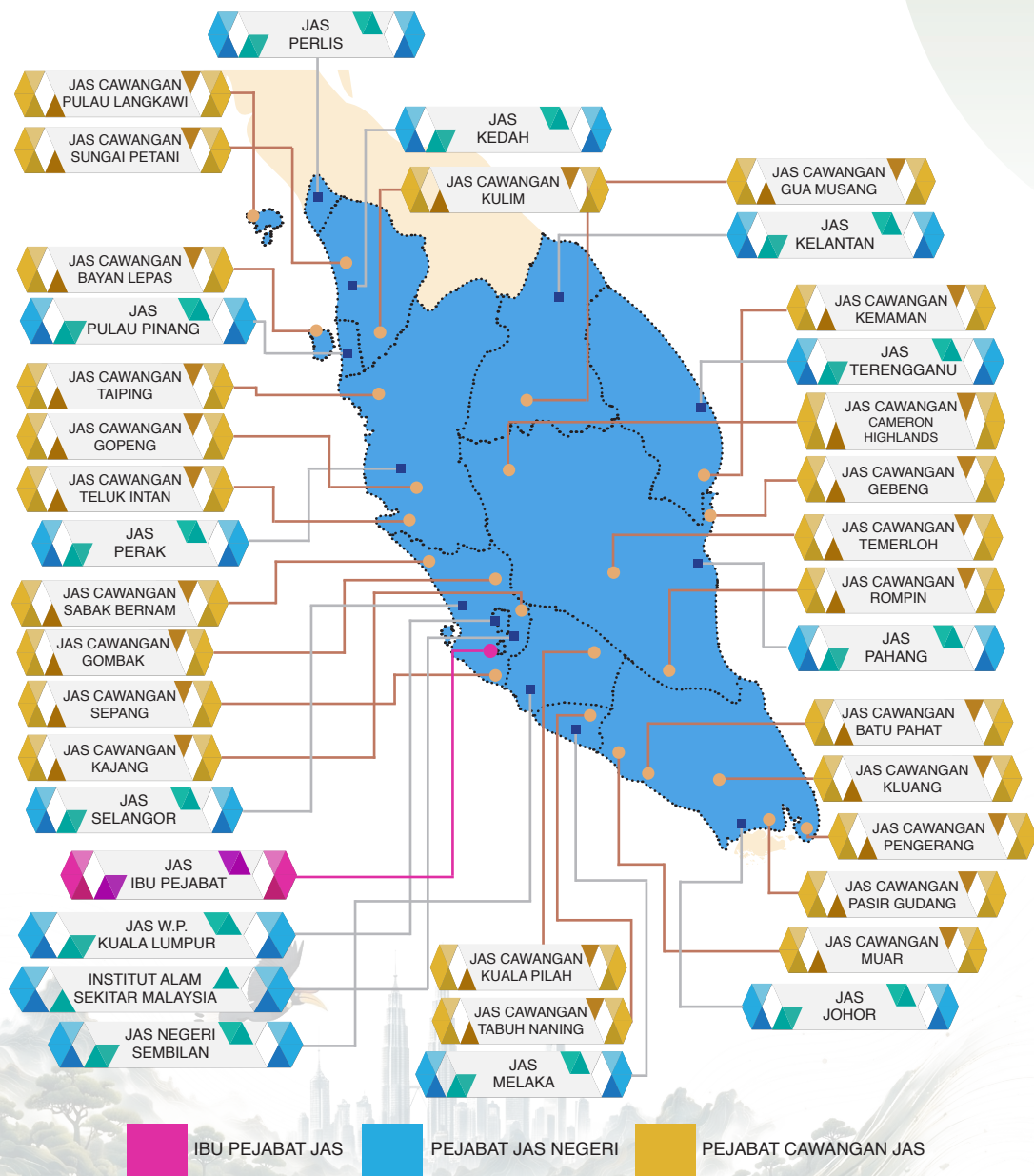
DEPARTMENT OF ENVIRONMENT: INTRODUCTION

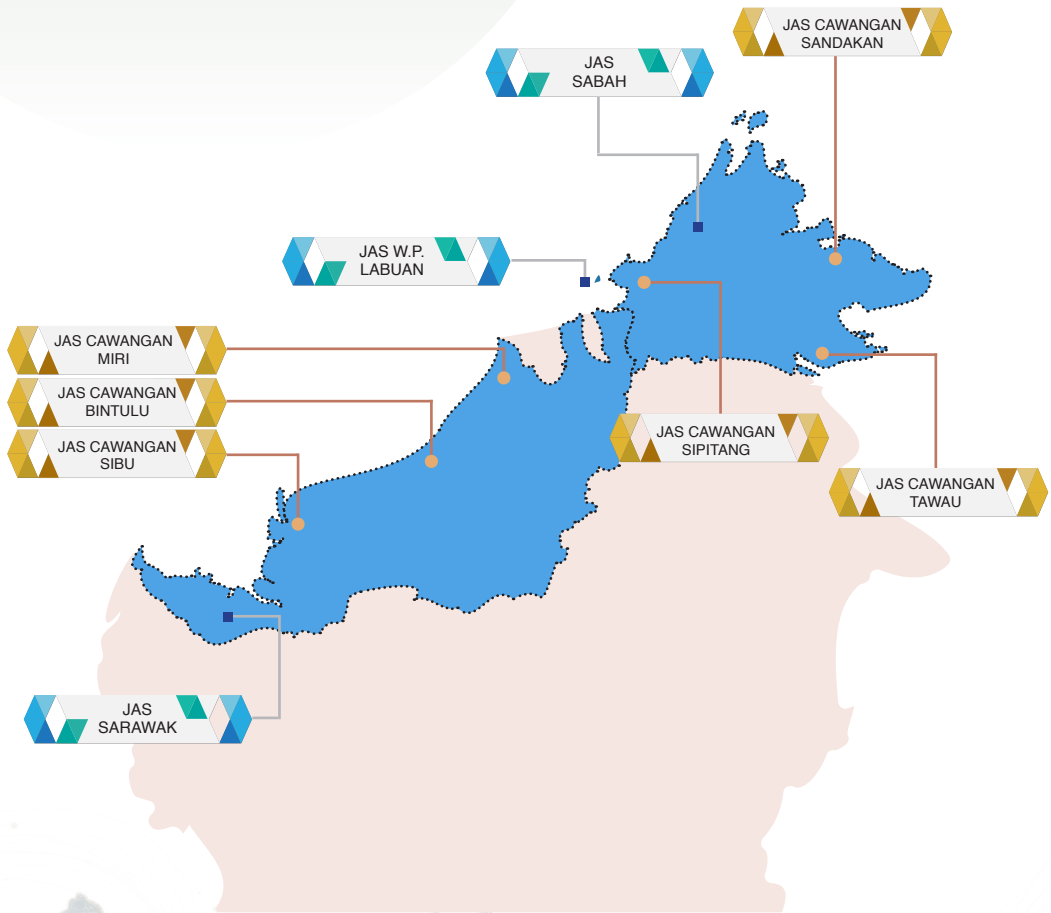
Pengurusan alam sekitar di Malaysia telah menjadi lebih sistematik apabila Akta Kualiti Alam Sekeliling (AKAS) 1974 diwartakan pada 14 Mac 1974. Turutan daripada itu, sebuah agensi penguatkuasa, Bahagian Alam Sekitar (mula dikenali sebagai Jabatan Alam Sekitar pada tahun 1983) telah ditubuhkan pada tahun 1975. Sehingga akhir tahun 2025, Jabatan Alam Sekitar (JAS) mempunyai kekuatan anggota seramai 1,442 orang tenaga kerja yang ditempatkan di Ibu Pejabat, 16 buah Pejabat Negeri dan 30 buah Pejabat Cawangan di seluruh negara. Fungsi utama JAS ialah untuk mencegah, menghapus, mengawal dan membaiki alam sekeliling melalui penguatkuasaan AKAS 1974 dan peraturan-peraturan di bawahnya.

Environmental management in Malaysia became more systematic with the gazettment of the Environmental Quality Act (EQA) 1974 on 14 March 1974. From thereon, an enforcement agency named Environment Division (known as Department of Environment (DOE) in 1983) was institutionalized in 1975. At present (2025), the Department is empowered with 1442 staffs, extending its operation through Headquarters, 16 States Offices dan 30 Branch Offices. The Department's main role is to prevent, control and abate pollution through the enforcement of the EQA 1974 and its subsidiary legislations made there under.

Ibu Pejabat, Pejabat Negeri dan Cawangan JAS Seluruh Malaysia

Head Offices, State Offices and DOE Branches Throughout Malaysia





PEJABAT JAS NEGERI
 PEJABAT CAWANGAN JAS

VISI, MISI & STRATEGI

VISION, MISSION & STRATEGIES

VISI / VISION

Pemuliharaan Alam Sekitar untuk Kesejahteraan Rakyat
Environmental Conservation for the Well-Being of the People

MISI / MISSION

Memastikan Pembangunan Lestari di dalam Proses Memajukan Negara
To Ensure Sustainable Development in the Process of Nation Building





SENARAI PERATURAN-PERATURAN, PERINTAH & KAEDAH DI BAWAH AKTA KUALITI ALAM SEKELILING 1974

KAWALAN PENCEMARAN UDARA/ AIR POLLUTION CONTROL

- ▶ Peraturan-Peraturan Kualiti Alam Sekeliling (Kawalan Kepekatan Plumbum Dalam Gasolin Motor) 1985/ [Environmental Quality \(Control of Lead Concentration in Motor Gasoline\) Regulations 1985](#)
- ▶ Peraturan-Peraturan Kualiti Alam Sekeliling (Bunyi Bising Kenderaan Motor) 1987/ [Environmental Quality \(Motor Vehicle Noise\) Regulations 1987](#)
- ▶ Perintah Kualiti Alam Sekeliling (Larangan ke Atas Penggunaan Klorofluorokarbon dan lain-Lain Gas Sebagai Propelan dan Agen Pengembang) 1993/ [Environmental Quality \(Prohibition on The Use of Chlorofluorocarbons and Other Gases as Propellants and Blowing Agents\) Order 1993](#)
- ▶ Peraturan-Peraturan Kualiti Alam Sekeliling (Kawalan Pelepasan Daripada Enjin Diesel) 1996/ [Environmental Quality \(Control of Emission from Diesel Engines\) Regulations 1996](#)
- ▶ Peraturan-Peraturan Kualiti Alam Sekeliling (Kawalan Pelepasan Daripada Enjin Petrol) 1996 / [Environmental Quality \(Control of Emission from Petrol Engines\) Regulations 1996](#)
- ▶ Peraturan-Peraturan Kualiti Alam Sekeliling (Pengurusan Refrigeran) 1999/ [Environmental Quality \(Refrigerant Management\) Regulations 1999](#)
- ▶ Peraturan-Peraturan Kualiti Alam Sekeliling (Pengurusan Halon) 1999/ [Environmental Quality \(Halon Management\) Regulations 1999](#)
- ▶ Kaedah-Kaedah Kualiti Alam Sekeliling (Mengkompaun Kesalahan)(Pembakaran Terbuka) 2000/ [Environmental Quality \(Compounding of Offences\)\(Open Burning\) Rules 2000](#)
- ▶ Perintah Kualiti Alam Sekeliling (Perwakilan Kuasa)(Penyiasatan Pembakaran Terbuka) 2000 / [Environmental Quality \(Delegation of Powers\)\(Investigation of Open Burning\) Order 2000](#)
- ▶ Perintah Kualiti Alam Sekeliling (Perwakilan Kuasa)(Pengurusan Halon) 2000/ [Environmental Quality \(Delegation of Powers\)\(Halon Management\) Order 2000](#)
- ▶ Perintah Kualiti Alam Sekeliling (Aktiviti Yang Diisytiharkan)(Pembakaran Terbuka) 2003/ [Environmental Quality \(Declared Activities\)\(Open Burning\) Order 2003](#)
- ▶ Peraturan-Peraturan Kualiti Alam Sekeliling (Kawalan Pelepasan Daripada Motorsikal) 2003/ [Environmental Quality \(Control of Emission from Motorcycles\) Regulations 2003](#)
- ▶ Peraturan-Peraturan Kualiti Alam Sekeliling (Kawalan Kandungan Petrol dan Diesel) 2007/ [Environmental Quality \(Control of Petrol and Diesel Properties\) Regulations 2007](#)
- ▶ Peraturan-Peraturan Kualiti Alam Sekeliling (Udara Bersih) 2014 / [Environmental Quality \(Clean Air\) Regulations 2014](#)
- ▶ Peraturan-Peraturan Kualiti Alam Sekeliling (Pengurusan Refrigeran) 2020/ [Environmental Quality \(Refrigerant Management\) Regulations 2020](#)



LIST OF REGULATIONS, ORDERS & RULES UNDER THE ENVIRONMENTAL QUALITY ACT 1974

KAWALAN PENCEMARAN AIR/ WATER POLLUTION CONTROL

- ▶ Perintah Kualiti Alam Sekeliling (Perwakilan Kuasa Kawalan Pencemaran Marin) 1993 / [Environmental Quality \(Delegation of Powers on Marine Pollution Control\) Order 1993](#)
- ▶ Perintah Kualiti Alam Sekeliling (Perwakilan Kuasa Kawalan Pencemaran Marin) 1994 / [Environmental Quality \(Delegation of Powers on Marine Pollution Control\) Order 1994](#)
- ▶ Perintah Kualiti Alam Sekeliling (Larangan Terhadap Penggunaan Bahan Terkawal di dalam Sabun, Bahan Cuci Sintetik dan Agen Pencuci Lain) 1995 [Environmental Quality \(Prohibition on The Use of Controlled Substance in Soap, Synthetic Detergent and Other Cleaning Agents\) Order 1995](#)
- ▶ Peraturan-Peraturan Kualiti Alam Sekeliling (Kumbahan) 2009 / [Environmental Quality \(Sewage\) Regulations 2009](#)
- ▶ Peraturan-Peraturan Kualiti Alam Sekeliling (Kawalan Pencemaran daripada Stesen Pemindahan Sisa Pepejal dan Kambus Tanah) 2009 [Environmental Quality \(Control of Pollution from Solid Waste Transfer Station and Landfill\) Regulations 2009](#)
- ▶ Peraturan-Peraturan Kualiti Alam Sekeliling (Efluen Perindustrian) 2009 [Environmental Quality \(Industrial Effluent\) Regulations 2009](#)
- ▶ Perintah Kualiti Alam Sekeliling (Perwakilan Kuasa) (Penyasatan ke atas Kawalan Hakisan dan Kelodakan) 2012 [Environmental Quality \(Delegation of Powers\) \(Investigation on Erosion and Sediment Control\) Order 2012](#)





SENARAI PERATURAN-PERATURAN, PERINTAH & KAEDAH DI BAWAH AKTA KUALITI ALAM SEKELILING 1974 /

LIST OF REGULATIONS, ORDERS & RULES UNDER THE
ENVIRONMENTAL QUALITY ACT 1974

PENGURUSAN BUANGAN TERJADUAL/ SCHEDULED WASTE MANAGEMENT

- ▶ Peraturan-Peraturan Kualiti Alam Sekeliling (Pelesenan) 1977
[Environmental Quality \(Licensing\) Regulations 1977](#)
- ▶ Perintah Kualiti Alam Sekeliling (Premis yang Ditetapkan) (Kemudahan Pengolahan dan Pelupusan Buangan Terjadual) 1989
[Environmental Quality \(Prescribed Premises\) \(Scheduled Wastes Treatment and Disposal Facilities\) Order 1989](#)
- ▶ Peraturan-Peraturan Kualiti Alam Sekeliling (Premis yang Ditetapkan) (Kemudahan Pengolahan dan Pelupusan Buangan Terjadual) 1989
[Environmental Quality \(Prescribed Premises\) \(Scheduled Wastes Treatment and Disposal Facilities\) Regulations 1989](#)
- ▶ Perintah Kualiti Alam Sekeliling (Pembawa yang Ditetapkan) (Buangan Terjadual) 2005
[Environmental Quality \(Prescribed Conveyance\) \(Scheduled Wastes\) Order 2005](#)
- ▶ Peraturan-Peraturan Kualiti Alam Sekeliling (Buangan Terjadual) 2005
[Environmental Quality \(Scheduled Wastes\) Regulations 2005](#)

LAIN-LAIN/ OTHERS

- ▶ Perintah Kualiti Alam Sekeliling (Premis yang Ditetapkan) (Minyak Kelapa Sawit Mentah) 1977
[Environmental Quality \(Prescribed Premises\) \(Crude Palm Oil\) Order 1977](#)
- ▶ Peraturan-Peraturan Kualiti Alam Sekeliling (Premis yang Ditetapkan) (Minyak Kelapa Sawit Mentah) 1977
[Environmental Quality \(Prescribed Premises\) \(Crude Palm Oil\) Regulations 1977](#)
- ▶ Perintah Kualiti Alam Sekeliling (Premis yang Ditetapkan) (Getah Asli Mentah) 1978
[Environmental Quality \(Prescribed Premises\) \(Raw Natural Rubber\) Order 1978](#)
- ▶ Peraturan-Peraturan Kualiti Alam Sekeliling (Premis yang Ditetapkan) (Getah Asli Mentah) 1978
[Environmental Quality \(Prescribed Premises\) \(Raw Natural Rubber\) Regulations 1978](#)
- ▶ Kaedah-Kaedah Kualiti Alam Sekeliling (Mengkompaun Kesalahan-Kesalahan) 1978
[Environmental Quality \(Compounding of Offences\) Rules 1978](#)
- ▶ Peraturan-Peraturan Kualiti Alam Sekeliling (Lembaga Rayuan) 2003
[Environmental Quality \(Appeal Board\) Regulations 2003](#)
- ▶ Perintah Kualiti Alam Sekeliling (Perwakilan Kuasa) 2005
[Environmental Quality \(Delegation of Powers\) Order 2005](#)
- ▶ Perintah Kualiti Alam Sekeliling (Aktiviti yang Ditetapkan) (Penilaian Kesan kepada Alam Sekeliling) 2015
[Environmental Quality \(Prescribed Activities\) \(Environmental Impact Assessment\) Order 2015](#)

SEKSYEN 1: KUALITI UDARA

SECTION 1: AIR QUALITY

PENGAWASAN KUALITI UDARA

SECTION 1: AIR QUALITY

Stesen pemantauan kualiti udara di seluruh negara/
Air quality monitoring stations in the country

65



STESEN PEMANTAUAN AUTOMATIK/
AUTOMATIC MONITORING STATIONS

14



STESEN PEMANTAUAN MANUAL/
MANUAL MONITORING STATIONS

3



STESEN PEMANTAUAN MOBIL/
MOBILE MONITORING STATIONS

Indeks Pencemar Udara (IPU) adalah dikira berdasarkan kepekatan enam (6) bahan pencemar utama / The API is calculated based on concentration of six (6) major pollutants:

- Ozon di Permukaan Bumi (O_3)
Ground Level Ozone (O_3)
- Karbon Monoksida (CO)
Carbon Monoxide (CO)
- Nitrogen Dioksida (NO_2)
Nitrogen Dioxide (NO_2)
- Sulfur Dioksida (SO_2)
Sulphur Dioxide (SO_2)
- Habuk Halus Bersaiz Kurang dari 10 Mikron (PM_{10}) / Particulate Matter of Less than 10 Microns in Size (PM_{10})
- Habuk Halus Bersaiz Kurang dari 2.5 Mikron ($PM_{2.5}$) / Particulate Matter of Less than 2.5 Microns in Size ($PM_{2.5}$)

1 (a): Indeks Pencemar Udara (IPU)

1 (a): Air Pollutant Index (API)

IPU / API	STATUS KUALITI UDARA / AIR QUALITY STATUS
0 – 50	Baik / Good
51 – 100	Sederhana / Moderate
101 – 200	Tidak Sihat / Unhealthy
201 – 300	Sangat Tidak Sihat / Very Unhealthy
> 300	Berbahaya / Hazardous

2 BUKU KOMPENDIUM JABATAN ALAM SEKITAR 2025

SEKSYEN 1: KUALITI UDARA
SECTION 1: AIR QUALITY

Indeks Pencemar Udara (IPU) bagi keseluruhan Malaysia pada tahun 2025 menunjukkan peningkatan peratus IPU berstatus baik berbanding tahun 2024.

The Air Pollutant Index (API) for Malaysia in 2025 showed an increase in the percentage of API with good status compared to 2024.

4

Jenis Pengelasan
Stesen Kualiti Udara
Mengikut Guna Tanah/
Types of Classification
of Air Quality Stations
According to Land Use



Industri / Industrial



Bandar / Urban



Pinggir Bandar/ Suburban



Luar Bandar / Rural

50.4%

IPU Baik pada tahun 2025 untuk seluruh Malaysia /
Good API throughout Malaysia in 2025

49.4%

IPU Sederhana pada tahun 2025 untuk seluruh
Malaysia / Moderate API throughout Malaysia in 2025

0.2%

IPU Tidak Sihat pada tahun 2025 untuk seluruh
Malaysia / Unhealthy API throughout Malaysia in 2025

1 (b): Standard Kualiti Udara Ambien Malaysia

1 (b): Malaysian Ambient Air Quality Standard

PARAMETER	MASA PURATA / TIME AVERAGING	UNIT	GARIS PANDUAN SEDIA ADA/ EXISTING GUIDELINES	STANDARD KUALITI UDARA AMBIEN MALAYSIA / MALAYSIAN AMBIENT AIR QUALITY		
				IT-1 (2015)	IT-2** (2018)	IT-3 (2020)
PM ₁₀	1 Tahun	µg/m ³	50	50	45	40
	24 Jam	µg/m ³	150	150	120	100
PM _{2.5}	1 Tahun	µg/m ³	-	35	25	15
	24 Jam	µg/m ³	-	75	50	35
SO ₂	1 Jam	µg/m ³	350	350	300	250
		ppm	0.135	0.135	0.115	0.095
	24 Jam	µg/m ³	105	105	90	80
		ppm	0.040	0.040	0.035	0.030
*CO	1 Jam	mg/m ³	35	35	35	30
		ppm	30.6	30.6	30.6	26.2
	8 Jam	mg/m ³	10	10	10	10
		ppm	8.75	8.75	8.75	8.75
NO ₂	1 Jam	µg/m ³	320	320	300	280
		ppm	0.170	0.170	0.160	0.150
	24 Jam	µg/m ³	75	75	75	70
		ppm	0.040	0.040	0.040	0.037
O ₃	1 Jam	µg/m ³	200	200	200	180
		ppm	0.100	0.100	0.100	0.090
	8 Jam	µg/m ³	120	120	120	100
		ppm	0.060	0.060	0.060	0.050

Nota: *mg/m³ IT-Interim Tier (tahun)

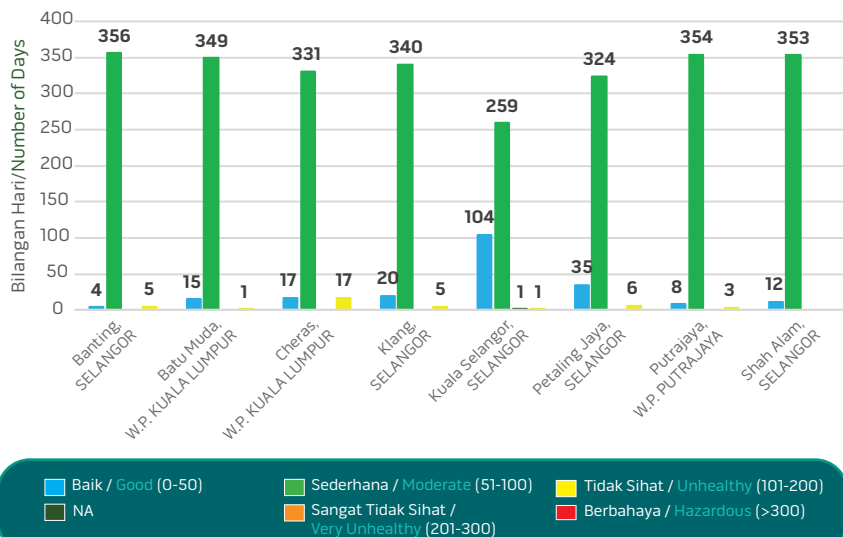
Note: *mg/m³ IT-Interim Tier (year)

Nota: **Pada tahun 2025, Malaysia mengguna pakai kategori Interim Target-2 (IT-2) di bawah Standard Kualiti Udara Ambien Malaysia sebagai rujukan dalam penetapan dan pemantauan tahap kualiti udara ambien.

Note: **In 2025, Malaysia adopted the Interim Target-2 (IT-2) category under the Malaysian Ambient Air Quality Standard as the reference for setting and monitoring of ambient air quality levels.

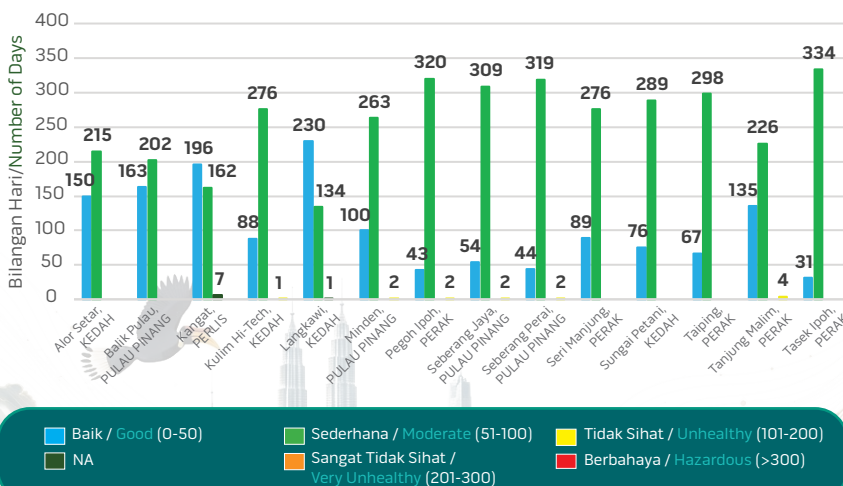
1 (c): Status Kualiti Udara, Lembah Klang 2025

1 (c): Air Quality Status, Klang Valley 2025

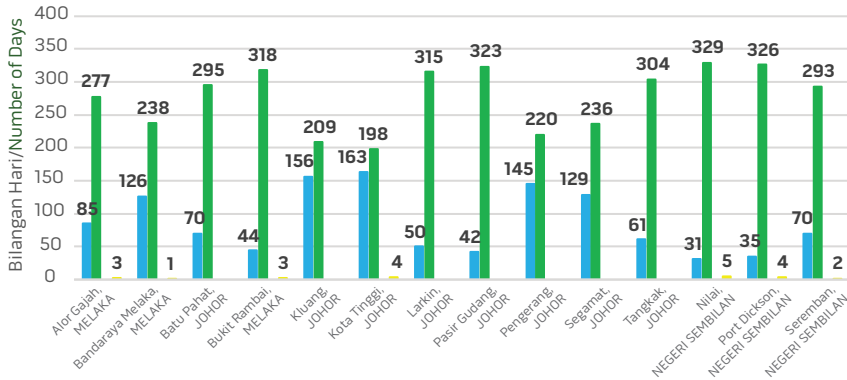


1 (d): Status Kualiti Udara, Wilayah Utara Pantai Barat Semenanjung Malaysia, 2025

1 (d): Air Quality Status, Northern Region of the West Coast of Peninsular Malaysia, 2025



1 (e): Status Kualiti Udara, Wilayah Selatan Pantai Barat Semenanjung Malaysia, 2025
1 (e): Air Quality Status, Southern Region of the West Coast of Peninsular Malaysia, 2025



Baik / Good (0-50)

Sederhana / Moderate (51-100)

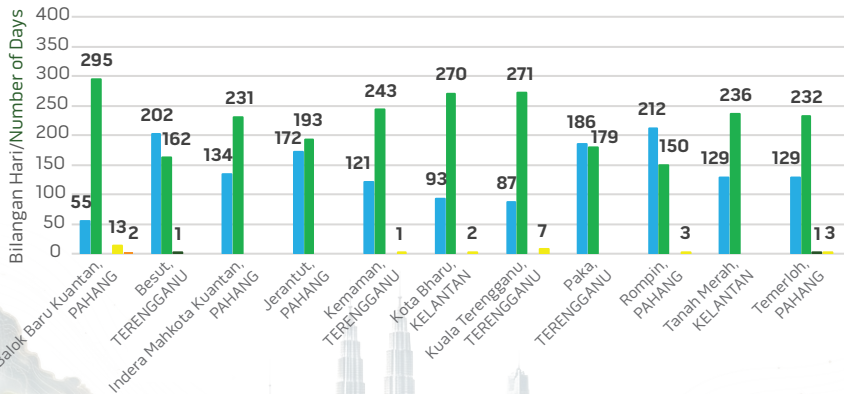
Tidak Sihat / Unhealthy (101-200)

NA

Sangat Tidak Sihat / Very Unhealthy (201-300)

Berbahaya / Hazardous (>300)

1 (f): Status Kualiti Udara, Pantai Timur Semenanjung Malaysia, 2025
1 (f): Air Quality Status, East Coast of Peninsular Malaysia, 2025



Baik / Good (0-50)

Sederhana / Moderate (51-100)

Tidak Sihat / Unhealthy (101-200)

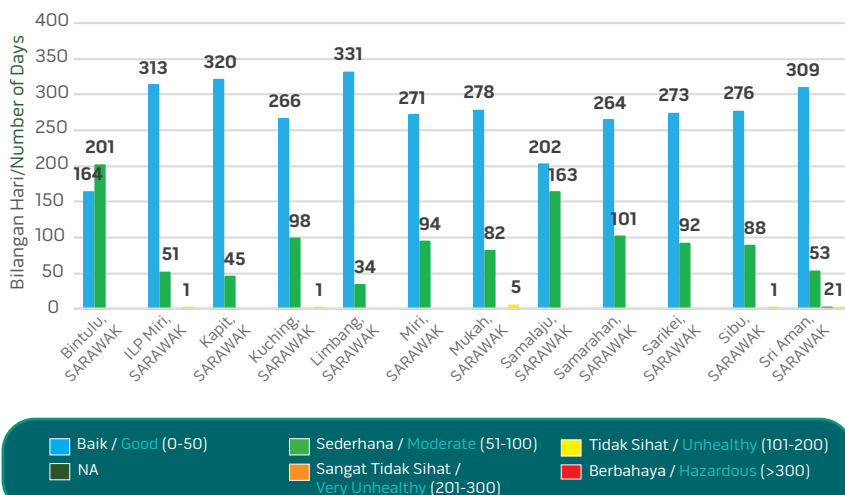
NA

Sangat Tidak Sihat / Very Unhealthy (201-300)

Berbahaya / Hazardous (>300)

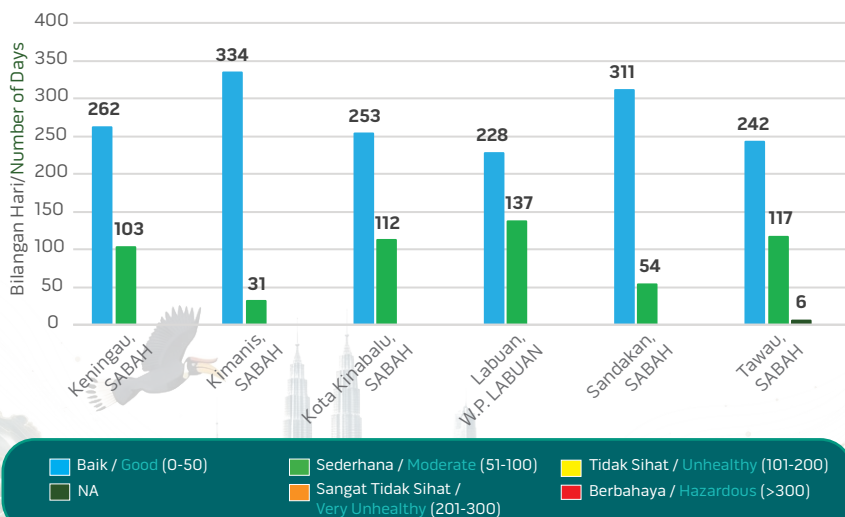
1 (g): Status Kualiti Udara, Sarawak, 2025

1 (g): Air Quality Status, Sarawak, 2025



1 (h): Status Kualiti Udara, Sabah dan Wilayah Persekutuan Labuan, 2025

1 (h): Air Quality Status, Sabah and Federal Territory Labuan, 2025



SEKSYEN 2: KUALITI AIR SUNGAI

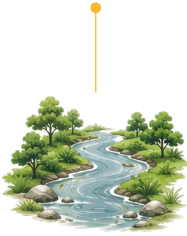
SECTION 2: RIVER WATER QUALITY

PENGAWASAN KUALITI AIR SUNGAI MANUAL

MANUAL RIVER WATER QUALITY MONITORING

672

SUNGAI
River



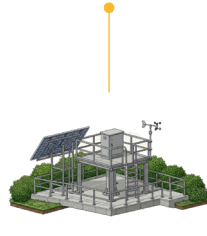
55

STESEN
Stations



1353

STESEN
Stations



8118

PERSAMPELAN
Sampling



DIPANTAU OLEH
JABATAN ALAM
SEKITAR

MONITORED
BY THE
DEPARTMENT OF
ENVIRONMENT



PEMANTAUAN
DI HULU MUKA
SAUK

UPSTREAM
WATER INTAKES
MONITORING



PENGAWASAN
KUALITI AIR
SUNGAI MANUAL

MANUAL RIVER
WATER QUALITY
MONITORING



PERSAMPELAN
KUALITI AIR
SUNGAI

SAMPLING OF
RIVER WATER
QUALITY



PENGAWASAN KUALITI AIR SUNGAI AUTOMATIK CONTINUOUS RIVER WATER QUALITY MONITORING

26

SUNGAI
River

DIPANTAU OLEH
JABATAN ALAM SEKITAR
Monitored by the
Department of
Environment

30

STESEN
Stations

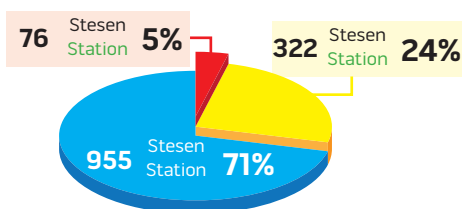
PENGAWASAN KUALITI
AIR SUNGAI AUTOMATIK
Continuous Monitoring
Stations

17

PARAMETER
Parameters

DIPANTAU OLEH
JABATAN ALAM
SEKITAR
Monitored by the
Department of
Environment

STATUS KUALITI AIR MENGIKUT STESEN / WATER QUALITY STATUS BY STATION



B/C
Bersih / Clean
ST/SP
Sederhana Tercemar / Slightly Polluted
T/P
Tercemar / Polluted

Kelas I / Class I 280 Stesen / Stations (21%)

Kelas II / Class II 773 Stesen / Stations (57%)

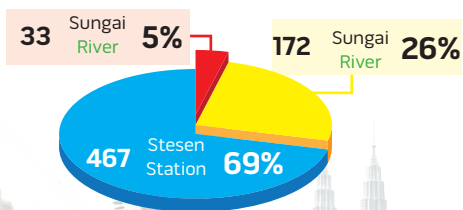
Kelas III / Class III 278 Stesen / Stations (20%)

Kelas IV / Class IV 22 Stesen / Stations (2%)

Kelas V / Class V 0 Stesen / Stations (0%)

INDEKS KUALITI AIR MENGIKUT STESEN
WATER QUALITY INDEX BY STATION

STATUS KUALITI AIR MENGIKUT SUNGAI / WATER QUALITY STATUS BY RIVER



B/C
Bersih / Clean
ST/SP
Sederhana Tercemar / Slightly Polluted
T/P
Tercemar / Polluted

Kelas I / Class I 131 Sungai / Rivers (19%)

Kelas II / Class II 396 Sungai / Rivers (59%)

Kelas III / Class III 134 Sungai / Rivers (20%)

Kelas IV / Class IV 11 Sungai / Rivers (2%)

Kelas V / Class V 0 Sungai / Rivers (0%)

INDEKS KUALITI AIR MENGIKUT SUNGAI
WATER QUALITY INDEX BY RIVERS

2 (a): Kelas Air dan Penggunaan

2 a): Water Classes and Usage



Kelas I
Class I

Pemeliharaan untuk persekitaran semulajadi

- Bekalan Air I - Secara praktiknya tidak memerlukan rawatan
 - Perikanan I - Untuk spesies akuatik yang sangat sensitif
- Conservation of natural environment
- Water Supply I - Practically no treatment necessary
 - Fishery I - Very sensitive aquatic species



Kelas IIA
Class IIA

- Bekalan Air II - Memerlukan rawatan konvensional
 - Perikanan II - Untuk spesies sensitif
- Water Supply II - Conventional treatment required
- Fishery II - Sensitive aquatic species



Kelas IIB
Class IIB

Sesuai untuk aktiviti rekreasi yang melibatkan sentuhan badan

Recreational use with body contact



Kelas III
Class III

- Bekalan Air III - Memerlukan rawatan yang intensif
 - Perikanan III - Untuk minuman haiwan ternakan
- Water Supply III - Extensive treatment required
- Fishery III - Common of economic value and tolerant species; livestock drinking



Kelas IV
Class IV

Pengairan

Irrigation



Kelas V
Class V

Selain daripada yang di atas

None of the above

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025

2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
Perlis	Sg. Perlis	Sg. Arau	89	88	89	90	88	B/C
		Sg. Empangan Timah Tasoh	95	96	95	95	90	B/C
		Sg. Jarum	91	89	88	90	88	B/C
		Sg. Jernih	93	95	94	95	93	B/C
		Sg. Kok Mak	87	88	86	85	88	B/C
		Sg. Korok	76	74	79	75	79	ST/SP
		Sg. Ngulang	92	93	88	87	90	B/C
		Sg. Pelarit	96	96	96	97	97	B/C
		Sg. Perlis	77	78	81	70	76	ST/SP
		Sg. Serai	86	90	86	89	85	B/C
		Sg. Terusan Mada	91	91	92	90	92	B/C
Kedah	Sg. Kedah	Sg. Wang Kelian	97	97	97	97	96	B/C
		Sg. Ahning	96	95	94	97	96	B/C
		Sg. Changlun	88	87	86	87	87	B/C
		Sg. Janing	97	97	97	97	96	B/C
		Sg. Kedah	77	76	73	67	69	ST/SP
		Sg. Napoh	89	90	88	87	89	B/C
		Sg. Padang Terap	93	91	92	95	91	B/C
		Sg. Pedu	95	94	95	94	96	B/C
		Sg. Pendang	82	85	85	82	79	ST/SP
		Sg. Sintok	96	95	92	90	90	B/C
		Sg. Tekai	94	93	91	92	91	B/C
		Sg. Temin	89	89	87	86	87	B/C
		Sg. Terusan Lengkuas	92	92	93	95	93	B/C
		Sg. Terusan Mada Selatan	92	90	91	90	92	B/C
		Sg. Terusan Tengah	93	93	94	96	94	B/C
	Sg. Kisap	Sg. Kisap	97	97	96	97	98	B/C

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025

2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
Kedah	Sg. Merbok	Sg. Kuah	79	81	69	79	77	ST/SP
		Sg. Bakar Arang	69	66	58	60	70	ST/SP
		Sg. Batu	64	59	65	52	56	T/P
		Sg. Bongkok	75	71	74	69	71	ST/SP
		Sg. Bukit Merah	92	89	95	92	93	B/C
		Sg. Bukit Nanas	97	97	98	97	98	B/C
		Sg. Korok	71	66	64	70	75	ST/SP
		Sg. Merbok	81	81	82	83	86	B/C
		Sg. Petani	68	64	53	65	59	T/P
		Sg. Tok Pawang	95	94	96	94	95	B/C
		Sg. Tupah	97	97	98	98	97	B/C
	Sg. Muda	Sg. Chepir	91	92	90	93	92	B/C
		Sg. Gunung Inas	93	95	96	89	96	B/C
		Sg. Jerong	78	71	74	75	73	ST/SP
		Sg. Karangan	91	83	87	84	83	B/C
		Sg. Ketil	93	91	93	96	95	B/C
		Sg. Muda	92	91	92	94	91	B/C
		Sg. Pegang	97	97	97	97	98	B/C
		Sg. Sedim	92	92	93	94	91	B/C
		Sg. Tawar	89	94	91	89	95	B/C
	Sg. Ulu Melaka	Sg. Chenang	84	77	84	76	73	ST/SP
		Sg. Melaka	92	93	93	92	93	B/C
		Sg. Petang	97	98	97	97	97	B/C
		Sg. Saga	92	88	85	90	92	B/C
		Sg. Tuba	96	97	96	96	96	B/C
P. Pinang/ Kedah	Sg. Perai	Sg. Air Melintas	57	60	64	59	54	T/P
		Sg. Jarak	73	72	73	74	74	ST/SP
		Sg. Keladi	81	82	82	78	80	ST/SP
		Sg. Kereh	62	57	60	55	56	T/P

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025

2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
P. Pinang/ Kedah	Sg. Perai	Sg. Kubang Semang	66	68	74	63	71	ST/SP
		Sg. Kulim	92	92	88	92	92	B/C
		Sg. Perai	70	62	66	65	67	ST/SP
		Sg. Pertama	69	52	63	63	60	ST/SP
		Sg. Seluang	67	65	64	57	58	T/P
		Sg. Seluang Bawah	71	67	63	61	59	T/P
P. Pinang	Sg. Bayan Lepas	Sg. Bayan Lepas	74	69	71	74	64	ST/SP
		Sg. Tiram	74	76	68	70	75	ST/SP
	Sg. Jawi	Sg. Chempedak	41	36	55	42	55	T/P
		Sg. Jawi	52	57	54	52	56	T/P
		Sg. Junjong	60	63	66	64	61	ST/SP
		Sg. Machang Bubok	72	68	73	65	63	ST/SP
		Sg. Tengah	58	47	63	55	57	T/P
	Sg. Juru	Sg. Ara	77	75	77	75	78	ST/SP
		Sg. Juru	69	68	63	62	56	T/P
		Sg. Kilang Ubi	71	72	65	70	66	ST/SP
		Sg. Pasir	75	66	63	63	69	ST/SP
		Sg. Permatang Rawa	75	77	74	70	76	ST/SP
		Sg. Rambai	59	56	57	53	55	T/P
	Sg. Kluang	Sg. Ara	90	88	89	87	90	B/C
		Sg. Dua Besar	68	67	63	63	62	ST/SP
		Sg. Kluang	68	52	58	45	51	T/P
		Sg. Relau	68	69	65	73	64	ST/SP
	Sg. Pinang	Sg. Air Itam	79	69	69	76	74	ST/SP
		Sg. Air Terjun	97	97	97	97	97	B/C
		Sg. Batu Feringghi	94	92	94	95	94	B/C
		Sg. Dondang	77	65	66	70	70	ST/SP
		Sg. Jelutong	65	68	63	72	72	ST/SP
		Sg. Pinang	71	64	50	58	46	T/P

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025
2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
P. Pinang	Sg. Pinang	Sg. Satu	97	97	97	98	97	B/C
		Sg. Titi Kerawang	75	63	57	57	42	T/P
P. Pinang/ Kedah/ Perak	Sg. Kerian	Sg. Kechil	89	89	89	88	92	B/C
		Sg. Kerian	88	88	87	88	88	B/C
		Sg. Selama	89	89	90	91	93	B/C
		Sg. Semang	80	81	72	80	90	B/C
		Sg. Serdang	80	83	89	92	91	B/C
		Sg. Terusan Bagan Serai	93	93	94	94	94	B/C
Perak	Sg. Bruas	Sg. Bruas	94	95	95	96	96	B/C
		Sg. Dandang	94	95	95	95	95	B/C
		Sg. Licin	97	97	97	97	97	B/C
		Sg. Rotan	93	92	93	93	86	B/C
	Sg. Kurau	Sg. Air Hitam	98	97	96	97	97	B/C
		Sg. Ara	96	96	96	97	97	B/C
		Sg. Kurau	87	85	85	87	87	B/C
	Sg. Perak	Sg. Batang Padang	90	90	91	91	91	B/C
		Sg. Behrang	97	98	97	98	96	B/C
		Sg. Berok	97	97	96	97	97	B/C
		Sg. Bidor	87	89	88	90	91	B/C
		Sg. Chenderiang	94	94	91	96	95	B/C
		Sg. Chepor	97	96	97	97	97	B/C
		Sg. Cuar	96	95	95	96	94	B/C
		Sg. Ibol	97	96	97	97	96	B/C
		Sg. Kampar	95	95	93	94	94	B/C
		Sg. Kangsar	93	94	96	96	95	B/C
		Sg. Kepayang	84	78	84	86	90	B/C
		Sg. Kerbau	96	95	96	95	95	B/C
		Sg. Kerdah	82	81	82	79	80	ST/SP
		Sg. Kinjang	97	97	97	97	97	B/C
		Sg. Kinta	85	83	85	85	86	B/C

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025

2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
Perak	Sg. Perak	Sg. Klah	95	90	92	94	93	B/C
		Sg. Klian Baru	84	77	79	85	88	B/C
		Sg. Klian Gunong	97	96	97	97	96	B/C
		Sg. Kuang	88	85	88	87	92	B/C
		Sg. Manong	97	97	98	98	97	B/C
		Sg. Nyamok	77	74	73	72	69	ST/SP
		Sg. Pari	82	86	89	86	84	B/C
		Sg. Pelus	90	88	89	87	92	B/C
		Sg. Perak	92	94	93	94	93	B/C
		Sg. Pinji	76	77	79	80	76	ST/SP
		Sg. Pulau	97	97	97	97	96	B/C
		Sg. Raia	90	90	91	91	92	B/C
		Sg. Rui	95	89	92	95	95	B/C
		Sg. Seluang	62	62	66	68	66	ST/SP
		Sg. Serokai	77	81	83	85	80	ST/SP
		Sg. Sintang	72	67	64	68	65	ST/SP
		Sg. Sungkai	94	92	90	92	91	B/C
		Sg. Sungkai Mati	81	84	87	74	80	ST/SP
		Sg. Tapah	97	96	97	97	97	B/C
		Sg. Teja	88	85	81	83	86	B/C
		Sg. Tesong	97	97	97	97	96	B/C
		Sg. Tumboh	73	76	76	78	77	ST/SP
		Sg. Woh	97	98	97	97	97	B/C
	Sg. Raja Hitam	Sg. Derhaka	79	75	74	77	74	ST/SP
		Sg. Manjong	87	86	88	86	87	B/C
		Sg. Nyior	97	97	98	98	97	B/C
		Sg. Raja Hitam	80	75	73	81	75	ST/SP
	Sg. Sepetang	Sg. Batu Tegoh	93	91	91	92	93	B/C
		Sg. Jana	84	84	88	87	89	B/C
		Sg. Lidin	86	84	86	84	79	ST/SP
		Sg. Limau	96	96	96	96	94	B/C

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025

2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
Perak	Sg. Sepetang	Sg. Malai	80	76	74	77	74	ST/SP
		Sg. Nyior	97	97	97	95	97	B/C
		Sg. Sepetang	81	79	79	82	81	B/C
		Sg. Temerloh	95	94	94	91	94	B/C
		Sg. Trong	96	97	97	96	96	B/C
	Sg. Wangi	Sg. Deralik	74	74	75	75	78	ST/SP
		Sg. Wangi	76	69	82	81	78	ST/SP
Selangor/ Perak	Sg. Bernam	Sg. Bernam	91	88	90	89	88	B/C
		Sg. Dusun	95	95	95	95	96	B/C
		Sg. Gelinting	96	96	97	92	97	B/C
		Sg. Inki	97	97	97	97	98	B/C
		Sg. Slim	94	92	92	92	91	B/C
		Sg. Trolak	96	95	96	95	96	B/C
Selangor	Sg. Buloh	Sg. Buloh	56	51	54	67	54	T/P
	Sg. Selangor	Sg. Air Hitam	80	77	73	75	80	ST/SP
		Sg. Batang Kali	96	93	91	90	95	B/C
		Sg. Guntong	81	83	82	78	76	ST/SP
		Sg. Kanching	96	93	94	94	93	B/C
		Sg. Kerling	97	96	97	97	95	B/C
		Sg. Kundang	71	77	77	77	68	ST/SP
		Sg. Rangkap	96	97	97	96	97	B/C
		Sg. Rawang	81	81	82	82	74	ST/SP
		Sg. Selangor	91	91	90	91	90	B/C
		Sg. Sembah	83	82	81	83	82	B/C
		Sg. Serendah	96	95	95	95	94	B/C
	Sg. Sepang	Sg. Sepang	82	84	88	84	81	B/C
	Sg. Tenggi	Sg. Tenggi	91	89	88	88	91	B/C
Selangor/ W. P. Kuala Lumpur	Sg. Klang	Sg. Air Busuk	40	52	42	46	45	T/P
		Sg. Ampang	66	72	70	73	74	ST/SP
		Sg. Anak Air Batu	89	80	81	82	86	B/C
		Sg. Batu	71	79	73	73	70	ST/SP

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025

2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
Selangor/ W. P. Kuala Lumpur	Sg. Klang	Sg. Belongkong	73	65	78	74	71	ST/SP
		Sg. Bunos	76	71	68	70	66	ST/SP
		Sg. Damansara	76	69	66	69	66	ST/SP
		Sg. Gombak	74	83	82	74	77	ST/SP
		Sg. Jinjang	71	70	68	67	61	ST/SP
		Sg. Kerayong	62	59	58	57	50	T/P
		Sg. Keroh	69	68	65	70	64	ST/SP
		Sg. Klang	67	70	69	63	65	ST/SP
		Sg. Kuyoh	69	68	68	66	64	ST/SP
		Sg. Penchala	80	76	71	68	70	ST/SP
		Sg. Pusu	80	78	75	74	73	ST/SP
		Sg. Rasau	87	93	94	91	87	B/C
		Sg. Rumput	97	95	97	97	97	B/C
		Sg. Semelah	87	90	91	84	85	B/C
		Sg. Toba	69	63	53	60	45	T/P
		Sg. Untut	73	78	64	65	59	T/P
Selangor/ W. P. Putrajaya/ N. Sembilan	Sg. Langat	Sg. Anak Chuau	94	94	94	94	93	B/C
		Sg. Balak	70	71	74	68	65	ST/SP
		Sg. Batang Benar	74	76	84	63	61	ST/SP
		Sg. Batang Labu	82	84	82	80	80	ST/SP
		Sg. Batang Nilai	81	79	80	77	79	ST/SP
		Sg. Beranang	87	85	84	82	83	B/C
		Sg. Buan	83	85	82	78	77	ST/SP
		Sg. Chuau	94	94	94	94	92	B/C
		Sg. Jijan	82	88	88	86	86	B/C
		Sg. Langat	82	82	83	78	79	ST/SP
		Sg. Limau Manis	75	82	75	82	82	B/C
		Sg. Pajam	68	74	72	74	73	ST/SP
		Sg. Rinching	94	90	95	89	90	B/C
		Sg. Semenyih	87	86	86	84	86	B/C
		Sg. Sering	72	80	81	83	80	ST/SP

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025

2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
N. Sembilan	Sg. Lukut	Sg. Lukut	73	80	79	79	74	ST/SP
N. Sembilan/ Selangor	Sg. Sepang	Sg. Rambai	25	60	64	61	57	T/P
N. Sembilan/ Melaka	Sg. Baru	Sg. Baru	70	75	79	78	77	ST/SP
	Sg. Linggi	Sg. Batang Penar	93	90	90	86	89	B/C
		Sg. Batu Hampar	91	93	92	91	89	B/C
		Sg. Chembong	88	89	92	94	93	B/C
		Sg. Empangan Terip	82	85	83	83	82	B/C
		Sg. Jelai	86	88	87	89	88	B/C
		Sg. Kayu Ara	80	84	81	78	81	B/C
		Sg. Kenaboi	87	85	89	81	90	B/C
		Sg. Kepayong	89	85	93	90	85	B/C
		Sg. Kundur Besar	92	92	93	95	84	B/C
		Sg. Linggi	84	85	84	82	80	ST/SP
		Sg. Muar	93	91	93	94	94	B/C
		Sg. Ngoi Ngoi	80	83	80	80	80	ST/SP
		Sg. Paroi	80	85	80	83	81	B/C
		Sg. Pedas	94	93	95	92	86	B/C
		Sg. Rembau	92	91	91	86	86	B/C
		Sg. Senawang	77	81	83	84	83	B/C
		Sg. Simin	85	87	84	80	80	ST/SP
		Sg. Simpang Ampat	87	84	87	87	88	B/C
		Sg. Siput	90	90	89	90	89	B/C
		Sg. Temiang	71	83	78	82	78	ST/SP
		Sg. Tuang	62	70	74	69	73	ST/SP
	Sg. Tuang	Sg. Tuang	63	75	75	74	80	ST/SP
	Sg. Melaka	Sg. Batang Melaka	91	91	92	92	90	B/C
		Sg. Durian Tunggal	86	88	85	85	77	ST/SP
		Sg. Dusun	94	94	96	95	94	B/C

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025

2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
N. Sembilan/ Melaka	Sg. Melaka	Sg. Kemunting	92	91	96	93	95	B/C
		Sg. Malim	68	71	68	66	63	ST/SP
		Sg. Melaka	80	83	84	82	83	B/C
		Sg. Putat	72	67	67	63	63	ST/SP
		Sg. Rembia	77	77	76	77	78	ST/SP
		Sg. Tampin	94	87	93	92	89	B/C
Melaka	Sg. Duyong	Sg. Duyong	71	74	76	81	79	ST/SP
		Sg. Gapam	92	93	93	91	90	B/C
		Sg. Punggur	63	58	60	69	69	ST/SP
	Sg. Kesang	Sg. Chin-Chin	84	80	84	84	88	B/C
		Sg. Chohong	92	93	94	94	94	B/C
		Sg. Kesang	87	85	86	87	89	B/C
		Sg. Tangkak	77	74	71	75	79	ST/SP
	Sg. Merlimau	Sg. Merlimau	59	61	63	67	68	ST/SP
	Sg. Seri Melaka	Sg. Air Salak	79	78	67	68	62	ST/SP
		Sg. Seri Melaka	66	69	67	67	66	ST/SP
		Sg. Udang	86	91	94	88	88	B/C
Johor/ N. Sembilan/ Pahang	Sg. Muar	Sg. Air Panas	97	96	97	97	97	B/C
		Sg. Belemang	95	94	96	96	96	B/C
		Sg. Gemas	83	82	83	80	84	B/C
		Sg. Gemenchah	91	85	92	92	91	B/C
		Sg. Jelai	92	91	94	93	95	B/C
		Sg. Jementah	96	95	96	97	96	B/C
		Sg. Juasseh	95	94	94	95	94	B/C
		Sg. Kelamah	88	79	84	85	80	ST/SP
		Sg. Labis	88	86	86	87	90	B/C
		Sg. Meda	85	80	85	85	88	B/C
		Sg. Merbudu	77	72	85	81	83	B/C
		Sg. Merlimau	66	73	72	67	79	ST/SP
		Sg. Muar	87	85	88	87	89	B/C

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025

2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
Johor/ N. Sembilan/ Pahang	Sg. Muar	Sg. P. Mengkuang	92	91	89	93	94	B/C
		Sg. Pagoh	74	76	76	78	78	ST/SP
		Sg. Palong	87	83	88	85	91	B/C
		Sg. Pendol	95	93	95	95	93	B/C
		Sg. Sarang Buaya	60	60	67	69	73	ST/SP
		Sg. Segamat	93	89	91	93	92	B/C
		Sg. Senarut	77	79	75	76	83	B/C
		Sg. Serom	63	63	67	67	74	ST/SP
		Sg. Simpang Loi	84	73	81	66	78	ST/SP
		Sg. Tenang	76	81	78	85	85	B/C
Johor	Sg. Air Baloi	Sg. Air Baloi	55	58	67	64	67	ST/SP
	Sg. Batu Pahat	Sg. Amran	81	80	82	86	85	B/C
		Sg. Bantang	97	97	97	97	97	B/C
		Sg. Batu Pahat	64	61	63	68	72	ST/SP
		Sg. Bekok	88	83	84	87	87	B/C
		Sg. Berlian	77	79	82	82	80	ST/SP
		Sg. Chaah	93	90	90	87	90	B/C
		Sg. Kahang	92	82	86	90	90	B/C
		Sg. Lenik	91	90	90	91	88	B/C
		Sg. Merek	89	88	92	90	90	B/C
		Sg. Merpo	90	91	94	94	90	B/C
		Sg. Panchor	63	59	62	68	74	ST/SP
		Sg. Semberong	71	66	77	72	77	ST/SP
		Sg. Semberong Dam	91	89	93	91	91	B/C
		Sg. Simpang Kanan	62	59	62	67	73	ST/SP
		Sg. Simpang Kiri	71	75	69	74	79	ST/SP
		Sg. Temehel	54	59	62	64	75	ST/SP
	Sg. Benut	Sg. Benut	78	77	81	78	82	B/C
		Sg. Machap Dam	94	93	90	94	90	B/C
		Sg. Parit Hj. Yassin	81	81	83	84	83	B/C

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025

2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
Johor	Sg. Benut	Sg. Pinggan	59	63	67	67	72	ST/SP
		Sg. Ulu Benut	90	86	90	91	93	B/C
	Sg. Danga	Sg. Danga	61	64	57	69	59	T/P
	Sg. Endau	Sg. Anak Sg. Semberong	85	84	82	71	81	B/C
		Sg. Dengar	91	90	90	91	92	B/C
		Sg. Empangan Labong	91	91	91	92	93	B/C
	Sg. Endau	Sg. Endau	92	91	92	94	94	B/C
		Sg. Jasin	97	96	97	96	96	B/C
		Sg. Jebong	82	75	86	88	88	B/C
		Sg. Kahang	91	90	92	93	93	B/C
		Sg. Lenga	69	74	78	73	74	ST/SP
		Sg. Lenggor	89	89	89	92	91	B/C
		Sg. Mamai	88	89	86	89	91	B/C
		Sg. Melatai	71	73	71	75	76	ST/SP
		Sg. Mengkibol	84	82	81	83	84	B/C
		Sg. Paloh	85	85	90	86	83	B/C
		Sg. Pamol	76	73	69	81	76	ST/SP
		Sg. Selai	94	94	90	94	95	B/C
		Sg. Semberong	87	83	88	91	90	B/C
		Sg. Singol	83	87	84	85	86	B/C
		Sg. Tamok	90	91	87	92	92	B/C
	Sg. Jemaluang	Sg. Jemaluang	88	86	91	91	91	B/C
	Sg. Johor	Sg. Anak Sg. Sayong	90	79	84	83	83	B/C
		Sg. Belitong	89	86	87	85	84	B/C
		Sg. Berangan	82	81	82	84	75	ST/SP
		Sg. Bukit Besar	82	77	68	75	77	ST/SP
		Sg. Chemangar	73	77	79	80	81	B/C
		Sg. Johor	89	89	88	89	89	B/C
		Sg. Layang	93	93	94	95	94	B/C

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025

2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
Johor	Sg. Johor	Sg. Layau Kiri	92	89	87	93	88	B/C
		Sg. Lebam	87	88	94	90	94	B/C
		Sg. Linggiu	93	92	92	93	92	B/C
		Sg. Pantl	87	86	84	90	89	B/C
		Sg. Papan	86	87	90	89	88	B/C
		Sg. Pelepah	91	91	92	92	92	B/C
		Sg. Penggeli	88	90	90	87	88	B/C
		Sg. Remis	89	89	92	86	88	B/C
		Sg. Santi	87	90	92	91	91	B/C
		Sg. Sayong	85	87	88	86	88	B/C
		Sg. Sebol	80	79	80	84	83	B/C
		Sg. Seluyut	87	83	85	90	90	B/C
		Sg. Semangar	92	90	89	90	91	B/C
		Sg. Semenclu	85	86	86	78	82	B/C
		Sg. Sening	93	96	94	96	93	B/C
		Sg. Serai	60	62	64	74	68	ST/SP
		Sg. Telor	89	93	92	93	90	B/C
		Sg. Temoh	84	88	79	82	87	B/C
		Sg. Tiram	85	82	87	87	85	B/C
	Sg. Kaw. Pasir Gudang	Sg. Buluh	43	40	46	35	63	ST/SP
		Sg. Lato	68	71	69	71	77	ST/SP
		Sg. Masai	60	63	73	69	76	ST/SP
		Sg. Perembi	47	59	69	56	70	ST/SP
		Sg. Tukang Batu	35	34	35	44	50	T/P
	Sg. Kempas	Sg. Kempas	42	41	38	40	52	T/P
	Sg. Kim-Kim	Sg. Kim-Kim	79	69	84	81	73	ST/SP
	Sg. Mersing	Sg. Empangan Congok	88	86	92	93	93	B/C
		Sg. Mersing	92	87	92	91	90	B/C
	Sg. Paloi	Sg. Paloi	90	90	91	91	93	B/C
	Sg. Pontian Besar	Sg. Air Hitam	74	73	82	80	79	ST/SP

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025

2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
Johor	Sg. Pontian Besar	Sg. Ayer Merah	54	54	65	61	64	ST/SP
		Sg. Pontian Besar	71	74	81	78	78	ST/SP
	Sg. Pontian Kecil	Sg. Pontian Kecil	79	77	79	80	78	ST/SP
	Sg. Pulai	Sg. Pulai	80	85	80	76	76	ST/SP
		Sg. Pulai Dam	95	96	96	95	95	B/C
		Sg. Ulu Choh	72	74	74	83	82	B/C
	Sg. Rambah	Sg. Rambah	66	71	70	65	71	ST/SP
	Sg. Sanglang	Sg. Sanglang	57	51	66	63	66	ST/SP
	Sg. Sedili Besar	Sg. Ambat	84	76	88	84	87	B/C
		Sg. Dohol	90	86	89	86	91	B/C
		Sg. Mupur	73	73	60	78	81	B/C
		Sg. Pasir Panjang	87	76	71	83	84	B/C
		Sg. Sedili Besar	87	85	89	88	91	B/C
		Sg. Temubor Kanan	95	93	95	93	96	B/C
	Sg. Sedili Kecil	Sg. Anak Sedili Kecil	63	75	80	75	78	ST/SP
		Sg. Bahan	75	69	83	80	83	B/C
		Sg. Sedili Kecil	80	82	84	83	89	B/C
	Sg. Segget	Sg. Segget	70	68	52	55	55	T/P
	Sg. Skudai	Sg. Melana	81	83	83	83	79	ST/SP
		Sg. Skudai	76	74	79	79	75	ST/SP
	Sg. Tebrau	Sg. Bala	47	55	60	63	63	ST/SP
		Sg. Pandan	43	58	44	45	54	T/P
		Sg. Plentong	66	67	63	71	71	ST/SP
		Sg. Sebulung	58	62	56	58	62	ST/SP
		Sg. Sengkuang	53	50	35	37	39	T/P
		Sg. Tampoi	60	58	54	48	55	T/P
		Sg. Tebrau	71	65	62	65	63	ST/SP
Pahang	Sg. Anak Endau	Sg. Anak Endau	90	89	90	89	91	B/C
	Sg. Balok	Sg. Balok	77	76	76	69	76	ST/SP

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025

2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
Pahang	Sg. Balok	Sg. Panjang	78	72	80	71	80	ST/SP
		Sg. Yior	75	74	72	65	76	ST/SP
	Sg. Bebar	Sg. Bebar	88	87	90	89	86	B/C
		Sg. Merba	91	88	88	86	89	B/C
		Sg. Serai	86	83	87	90	86	B/C
	Sg. Cherating	Sg. Cherating	86	85	86	82	83	B/C
	Sg. Kuantan	Sg. Belat	86	88	87	86	84	B/C
		Sg. Charu	96	95	96	96	96	B/C
		Sg. Galing Besar	67	76	76	77	74	ST/SP
		Sg. Kenau	97	96	97	97	96	B/C
		Sg. Kuantan	93	91	92	92	92	B/C
		Sg. Pandan	93	94	93	95	91	B/C
		Sg. Pinang	88	88	89	85	85	B/C
		Sg. Reman	91	90	91	93	91	B/C
		Sg. Riau	88	88	87	82	83	B/C
		Sg. Talam	70	76	70	63	67	ST/SP
	Sg. Merchong	Sg. Merchong	92	87	89	85	88	B/C
	Sg. Rompin	Sg. Aur	91	90	91	88	91	B/C
		Sg. Bakar	69	92	95	94	92	B/C
		Sg. Jekatih	90	91	91	90	87	B/C
		Sg. Jeram	93	90	90	90	89	B/C
		Sg. Kepasing	90	92	88	91	86	B/C
		Sg. Keratong	91	90	91	90	88	B/C
		Sg. Pontian	90	84	88	89	88	B/C
		Sg. Pukin	89	94	94	94	91	B/C
		Sg. Rompin	92	90	89	88	89	B/C
		Sg. Sepayang	84	86	85	85	82	B/C
	Sg. Tonggok	Sg. Tonggok	81	73	80	73	80	ST/SP
Pahang/ N. Sembilan	Sg. Pahang	Sg. Anak Sg. Lepar	93	89	94	91	89	B/C
		Sg. Batu	92	91	94	90	92	B/C
		Sg. Belayar	94	92	93	91	91	B/C
		Sg. Bentong	94	93	92	91	91	B/C

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025

2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
Pahang/ N. Sembilan	Sg. Pahang	Sg. Benus	95	91	95	94	94	B/C
		Sg. Bera	86	86	87	84	84	B/C
		Sg. Berkelah	97	97	97	97	96	B/C
		Sg. Bertam	95	95	93	93	92	B/C
		Sg. Bilut	88	89	88	92	92	B/C
		Sg. Burung	96	95	93	90	94	B/C
		Sg. Chini	84	85	84	86	90	B/C
		Sg. Gapoi	97	96	97	97	97	B/C
		Sg. Habu	96	94	94	96	95	B/C
		Sg. Jelai	92	89	91	92	89	B/C
		Sg. Jempol	95	92	95	94	91	B/C
		Sg. Jengka	92	91	93	94	89	B/C
		Sg. Keca	88	91	91	90	88	B/C
		Sg. Kelau	90	89	90	94	93	B/C
		Sg. Kertam	91	93	93	92	90	B/C
		Sg. Koyan	94	92	93	94	92	B/C
		Sg. Krau	94	92	94	92	90	B/C
		Sg. Kundang	82	85	86	81	83	B/C
		Sg. Lenggok	96	92	96	95	89	B/C
		Sg. Lepar	91	93	95	94	92	B/C
		Sg. Lipis	92	92	93	92	92	B/C
		Sg. Luit	93	92	89	92	87	B/C
		Sg. Maran	96	96	96	95	95	B/C
		Sg. Mentiga	86	88	91	90	91	B/C
		Sg. Pahang	91	90	90	90	91	B/C
		Sg. Penjuring	97	97	97	97	96	B/C
		Sg. Pertang	91	91	91	91	91	B/C
		Sg. Perting	96	97	97	96	97	B/C
		Sg. Raub	95	95	96	94	96	B/C
		Sg. Retang	93	94	94	92	89	B/C
		Sg. Ringlet	91	89	91	94	91	B/C
		Sg. Salak	91	91	92	94	93	B/C

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025

2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
Pahang/ N. Sembilan	Sg. Pahang	Sg. Semantan	91	88	90	91	92	B/C
		Sg. Serting	84	83	84	84	81	B/C
		Sg. T. Paya Bungor	91	92	92	92	94	B/C
		Sg. Tahan	92	94	96	94	94	B/C
		Sg. Tanglir	89	89	90	93	90	B/C
		Sg. Tasik Bera	88	89	89	88	88	B/C
		Sg. Tasik Chini	90	92	92	93	91	B/C
		Sg. Teh	94	94	96	96	96	B/C
		Sg. Tekal	89	87	90	86	89	B/C
		Sg. Telang	94	93	93	93	93	B/C
		Sg. Telemong	96	94	94	96	96	B/C
		Sg. Telom	94	92	91	92	86	B/C
		Sg. Tembeling	90	94	95	94	92	B/C
		Sg. Teranum	96	96	97	96	94	B/C
		Sg. Teras	96	96	96	96	96	B/C
		Sg. Teris	94	94	94	95	94	B/C
		Sg. Terla	97	97	97	96	95	B/C
		Sg. Triang	91	85	87	87	88	B/C
		Sg. Tringkap	94	96	97	94	89	B/C
		Sg. Ulong	97	97	97	97	97	B/C
Terengganu	Sg. Besut	Sg. Besut	94	94	94	95	95	B/C
		Sg. Jertih	92	91	87	89	92	B/C
	Sg. Chukai	Sg. Bungkus	83	81	82	84	82	B/C
		Sg. Chukai	87	88	84	82	91	B/C
		Sg. Ibok	89	89	91	90	90	B/C
		Sg. Ruang	80	80	79	75	72	ST/SP
	Sg. Dungun	Sg. Dungun	96	92	93	95	94	B/C
		Sg. Telemboh	89	89	87	86	85	B/C
	Sg. Ibai	Sg. Ibai	80	82	80	79	80	ST/SP
		Sg. Cherul	91	91	93	94	93	B/C
	Sg. Kemaman	Sg. Kemaman	92	92	92	93	90	B/C
		Sg. Neram	86	85	88	77	83	B/C

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025

2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
Terengganu	Sg. Kemaman	Sg. Perasing	92	94	90	90	89	B/C
		Sg. Ransan	87	87	90	90	88	B/C
	Sg. Kertih	Sg. Kertih	85	88	88	88	91	B/C
	Sg. Kluang	Sg. Kluang	84	84	85	84	85	B/C
	Sg. Marang	Sg. Kerak	82	85	82	82	82	B/C
		Sg. Marang	89	94	90	91	93	B/C
		Sg. Temala	92	91	90	92	92	B/C
	Sg. Merang	Sg. Merang	77	77	80	84	76	ST/SP
	Sg. Merchang	Sg. Landas	87	87	84	87	85	B/C
		Sg. Merchang	80	73	76	81	77	ST/SP
	Sg. Paka	Sg. Besul	96	96	92	96	96	B/C
		Sg. Paka	90	90	90	90	93	B/C
		Sg. Rasau	84	83	83	81	85	B/C
		Sg. Rengat	91	91	89	89	84	B/C
	Sg. Setiu	Sg. Bari	95	95	93	94	94	B/C
		Sg. Chalok	92	90	91	91	92	B/C
		Sg. Setiu	93	93	93	96	96	B/C
		Sg. Tarom	94	95	92	91	95	B/C
	Sg. Terengganu	Sg. Berang	95	96	97	97	97	B/C
		Sg. Nerus	92	93	92	94	93	B/C
		Sg. Pueh	87	92	91	86	91	B/C
		Sg. Telemong	93	91	93	96	95	B/C
		Sg. Terengganu	91	92	92	91	92	B/C
Kelantan	Sg. Golok	Sg. Golok	93	90	93	96	93	B/C
		Sg. Jedok	95	95	93	95	93	B/C
		Sg. Lanas	94	90	94	96	94	B/C
		Sg. Tasik Garu	85	82	87	90	85	B/C
	Sg. Kelantan	Sg. Aring	80	83	82	85	89	B/C
		Sg. Belatop	89	87	89	91	89	B/C
		Sg. Ber	91	91	91	89	91	B/C
		Sg. Berok	88	89	87	88	89	B/C

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025
2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
Kelantan	Sg. Kelantan	Sg. Betis	93	92	92	93	95	B/C
		Sg. Chiku	89	91	87	94	90	B/C
		Sg. Galas	88	90	91	89	91	B/C
		Sg. Isos	73	78	74	80	73	ST/SP
		Sg. Kelantan	86	87	87	90	87	B/C
		Sg. Kelesa	94	91	90	83	86	B/C
		Sg. Kenkren	93	94	94	93	95	B/C
		Sg. Kerilla	94	94	95	93	93	B/C
		Sg. Ketil	97	90	92	95	96	B/C
		Sg. Lebir	92	90	91	92	90	B/C
		Sg. Muring	92	90	93	93	90	B/C
		Sg. Nal	91	89	91	91	93	B/C
		Sg. Nenggiri	82	87	87	88	89	B/C
		Sg. Pehi	91	91	92	94	94	B/C
		Sg. Pelaur	96	95	87	96	94	B/C
		Sg. Penangau	87	89	86	90	89	B/C
		Sg. Pergau	96	96	96	97	97	B/C
		Sg. Rasau	80	85	85	88	89	B/C
		Sg. Relai	91	90	87	91	89	B/C
		Sg. Sokor	89	89	88	93	87	B/C
		Sg. Tuang	94	91	97	96	96	B/C
	Sg. Kemasin	Sg. Gali	75	83	81	89	84	B/C
		Sg. Kemasin	85	87	84	88	88	B/C
		Sg. Semerak	87	88	86	87	88	B/C
	Sg. Pengkalan Chepa	Sg. Alor B	63	59	63	63	59	T/P
		Sg. Alor Lintah	68	70	74	70	59	T/P
		Sg. Keladi	84	89	87	87	86	B/C
		Sg. Pengkalan Chepa	73	75	69	72	69	ST/SP
		Sg. Raja Gali	87	81	87	87	85	B/C
	Sg. Pengkalan Datu	Sg. Pasir Hor	77	75	77	82	74	ST/SP
		Sg. Pengkalan Datu	86	85	87	86	89	B/C

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025

2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
Sarawak	Sg. Balingian	Sg. Balingian	87	87	76	71	79	ST/SP
	Sg. Baram	Sg. Baram	85	86	81	76	79	ST/SP
		Sg. Tutuh	-	87	79	78	81	B/C
	Sg. Kayan	Sg. Kayan	83	82	78	77	79	ST/SP
	Sg. Kemena	Sg. Kemena	82	84	79	74	77	ST/SP
		Sg. Sibiu	79	83	76	77	71	ST/SP
	Sg. Kerian	Sg. Kerian	84	86	83	80	77	ST/SP
		Sg. Seblak	88	87	79	77	79	ST/SP
		Sg. Selalang	92	90	90	89	90	B/C
	Sg. Lawas	Sg. Lawas	89	91	92	87	91	B/C
	Sg. Limbang	Sg. Limbang	89	88	85	82	82	B/C
	Sg. Lupar	Sg. Ai	91	89	91	90	88	B/C
		Sg. Lupar	84	88	79	75	77	ST/SP
		Sg. Sekerang	88	87	90	90	88	B/C
		Sg. Seterap	86	89	80	76	75	ST/SP
		Sg. Undup	85	89	89	85	88	B/C
	Sg. Miri	Sg. Adong	78	57	54	51	47	T/P
		Sg. Dalam	83	80	70	71	73	ST/SP
		Sg. Lutong	82	79	74	67	62	ST/SP
		Sg. Miri	88	58	50	49	47	T/P
		Sg. Padang Liku	88	83	81	82	80	ST/SP
	Sg. Mukah	Sg. Mukah	82	86	75	73	74	ST/SP
	Sg. Niah	Sg. Niah	86	86	83	83	83	B/C
		Sg. Sekaloh	81	83	75	70	70	ST/SP
	Sg. Oya	Sg. Oya	84	86	73	67	68	ST/SP
	Sg. Rajang	Sg. Baloi	-	89	73	73	74	ST/SP
		Sg. Binatang	89	87	86	84	87	B/C
		Sg. Daro	62	66	53	53	57	T/P
		Sg. Jemoreng	63	66	55	52	59	T/P
		Sg. Julau	86	85	89	85	87	B/C
		Sg. Kanowit	87	87	88	86	86	B/C
		Sg. Meradong	82	85	78	70	76	ST/SP

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025

2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
Sarawak	Sg. Rajang	Sg. Pakan	89	88	88	88	87	B/C
		Sg. Pila Parit	77	78	81	80	79	ST/SP
		Sg. Rajang	85	86	83	81	81	B/C
		Sg. Salim	81	86	76	66	70	ST/SP
		Sg. Sarikei	89	88	83	82	82	B/C
	Sg. Sadong	Sg. Karangan	76	84	68	69	70	ST/SP
		Sg. Sadong	85	85	83	84	82	B/C
		Sg. Tarat	90	90	90	92	89	B/C
	Sg. Sarawak	Sg. Kelantan	59	68	66	60	69	ST/SP
		Sg. Kuap	88	89	79	77	77	ST/SP
		Sg. Maong Kiri	73	82	70	59	60	ST/SP
		Sg. Samarahan	71	79	72	69	65	ST/SP
		Sg. Sarawak	86	88	87	85	84	B/C
		Sg. Sarawak Kanan	84	85	83	80	81	B/C
		Sg. Sarawak Kiri	87	87	89	91	88	B/C
		Sg. Semadang	90	90	93	92	93	B/C
		Sg. Semenggoh	78	83	75	75	73	ST/SP
		Sg. Tabuan	76	78	64	61	68	ST/SP
		Sg. Tapah	91	90	88	84	87	B/C
	Sg. Saribas	Sg. Layar	89	88	84	88	82	B/C
		Sg. Saribas	79	87	75	67	69	ST/SP
	Sg. Semunsam	Sg. Semunsam	80	85	88	88	90	B/C
	Sg. Sibuti	Sg. Kabuloh	64	76	82	72	77	ST/SP
		Sg. Kejapil	89	85	86	79	82	B/C
		Sg. Satap	84	84	74	77	76	ST/SP
		Sg. Sibuti	85	81	79	78	75	ST/SP
	Sg. Similajau	Sg. Similajau	85	87	83	83	84	B/C
	Sg. Suai	Sg. Suai	87	85	80	79	78	ST/SP
	Sg. Tatau	Sg. Tatau	85	86	84	81	83	B/C
	Sg. Trusan	Sg. Trusan	88	90	86	84	87	B/C

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025

2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
Sabah	Sg. Apas	Sg. Apas	90	92	90	91	91	B/C
	Sg. Balung	Sg. Balung	91	92	90	92	93	B/C
	Sg. Bengkoka	Sg. Bengkoka	89	90	85	88	87	B/C
	Sg. Bingkongan	Sg. Bandau	92	92	94	92	92	B/C
		Sg. Bingkongan	94	93	94	94	92	B/C
		Sg. Menggaris	92	92	93	93	91	B/C
		Sg. Tandek	91	91	91	90	88	B/C
	Sg. Bongawan	Sg. Bongawan	87	88	87	88	89	B/C
	Sg. Brantian	Sg. Brantian	84	90	87	91	90	B/C
	Sg. Kalabakan	Sg. Kalabakan	83	86	81	86	85	B/C
	Sg. Kalumpang	Sg. Kalumpang	87	88	87	86	80	ST/SP
		Sg. Pang Burong 1	86	86	87	90	81	B/C
		Sg. Pang Burong 2	85	80	79	76	75	ST/SP
	Sg. Kedamaian	Sg. Kedamaian	93	92	95	96	92	B/C
		Sg. Tempasuk	92	91	92	94	90	B/C
		Sg. Wariu	93	93	94	94	92	B/C
	Sg. Kimanis	Sg. Kimanis	90	92	90	89	90	B/C
	Sg. Kinabatangan	Sg. Karamuak	92	92	91	94	93	B/C
		Sg. Kinabatangan	85	84	84	85	82	B/C
		Sg. Koyah	89	88	86	87	90	B/C
		Sg. Leepang	85	84	83	85	83	B/C
		Sg. Menanggul	86	86	82	81	81	B/C
		Sg. Pin	87	86	86	86	83	B/C
		Sg. Takala	88	87	85	84	86	B/C
	Sg. Labok	Sg. Kinipir	91	90	92	92	90	B/C
		Sg. Labok	86	88	87	89	85	B/C
		Sg. Liwagu	89	88	92	88	90	B/C
		Sg. Maliau	94	93	95	94	93	B/C
		Sg. Tungud	91	85	87	90	90	B/C
	Sg. Lakutan	Sg. Lakutan	93	88	92	87	89	B/C

2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025

2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
Sabah	Sg. Likas	Sg. Darau	83	83	81	81	85	B/C
		Sg. Inanam	88	89	88	87	89	B/C
		Sg. Likas	76	78	71	71	75	ST/SP
		Sg. Menggatal	89	91	94	89	91	B/C
	Sg. Lingkungan	Sg. Bukau	92	87	90	88	89	B/C
		Sg. Lingkungan	93	89	93	88	92	B/C
	Sg. Membakut	Sg. Membakut	87	89	89	89	91	B/C
	Sg. Menggalong	Sg. Menggalong	93	90	91	91	92	B/C
		Sg. Merotai	91	91	92	91	90	B/C
	Sg. Mounad	Sg. Mounad	87	88	87	86	86	B/C
	Sg. Moyog	Sg. Moyog	92	92	93	90	91	B/C
	Sg. Padas	Sg. Bunsit	93	92	94	94	91	B/C
		Sg. Liawan	91	92	93	93	91	B/C
		Sg. Padas	88	87	86	84	87	B/C
		Sg. Pangatan	88	87	86	86	87	B/C
		Sg. Pegalan	88	87	90	90	88	B/C
		Sg. Tandulu	92	92	93	92	89	B/C
	Sg. Paitan	Sg. Paitan	91	90	88	86	89	B/C
	Sg. Papar	Sg. Papar	91	91	92	93	91	B/C
	Sg. Sapi	Sg. Sapi	87	84	85	85	84	B/C
		Sg. Sualong	92	93	95	95	92	B/C
	Sg. Segaliud	Sg. Segaliud	85	82	84	86	81	B/C
	Sg. Segama	Sg. Segama	87	86	86	88	86	B/C
	Sg. Sembulan	Sg. Sembulan	81	74	70	75	70	ST/SP
	Sg. Silabukan	Sg. Silabukan	89	87	93	91	88	B/C
	Sg. Sugut	Sg. Bongkud	92	93	93	93	91	B/C
		Sg. Lohan	92	93	95	93	90	B/C
		Sg. Merali	91	90	95	92	92	B/C
		Sg. Sugut	91	91	94	93	91	B/C
	Sg. Tawau	Sg. Tawau	91	91	92	91	90	B/C



2 (b): Status Kualiti Air Sungai Mengikut Sungai, 2025

2 (b): Water Quality Status by River, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NILAI IKA/ WQI VALUE					KATEGORI IKA/ WQI CATEGORY
			2021	2022	2023	2024	2025	
Sabah	Sg. Telipok	Sg. Telipok	89	89	91	82	88	B/C
	Sg. Tenghilan	Sg. Tenghilan	92	90	92	92	93	B/C
	Sg. Tingkayu	Sg. Tingkayu	85	85	80	87	87	B/C
	Sg. Tuaran	Sg. Damit	87	89	92	91	87	B/C
		Sg. Song Sai	92	92	94	93	90	B/C
		Sg. Tuaran	93	93	94	94	89	B/C
	Sg. Tungku	Sg. Tungku	90	89	92	92	90	B/C
	Sg. Umas-Umas	Sg. Umas-Umas	84	89	85	86	90	B/C



2 (c): Stesen Sungai Tercemar dan Kelas Kualiti Air Berdasarkan Sub-Indeks BOD, AN dan SS, 2025

2 (c): Polluted River Stations and Classes Based on BOD, AN and SS Sub-Index, 2025

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	2025			KELAS BERDASARKAN/ CLASS BASED ON		
			IKA/ WQI	KATEGORI/ CATEGORY	KELAS/ CLASS	BOD	AN	SS
Kedah	Sg. Merbok	Sg. Batu	56	T/P	III	IV	V	I
		Sg. Petani	59	T/P	III	IV	V	I
P. Pinang/ Kedah	Sg. Perai	Sg. Air Melintas	54	T/P	III	V	V	II
		Sg. Kereh	56	T/P	III	IV	V	II
		Sg. Seluang	58	T/P	III	IV	IV	I
		Sg. Seluang Bawah	59	T/P	III	IV	IV	I
P. Pinang	Sg. Jawi	Sg. Chempedak	55	T/P	III	V	IV	II
		Sg. Jawi	56	T/P	III	III	V	II
		Sg. Tengah	57	T/P	III	IV	V	I
	Sg. Juru	Sg. Juru	56	T/P	III	IV	V	I
		Sg. Rambai	55	T/P	III	IV	V	I
	Sg. Kluang	Sg. Kluang	51	T/P	IV	IV	V	I
	Sg. Pinang	Sg. Pinang	46	T/P	IV	V	V	I
		Sg. Titi Kerawang	42	T/P	IV	V	V	I
Selangor	Sg. Buloh	Sg. Buloh	54	T/P	III	IV	V	II
Selangor/ W.P. Kuala Lumpur	Sg. Klang	Sg. Air Busuk	45	T/P	IV	V	V	II
		Sg. Kerayong	50	T/P	IV	V	V	I
		Sg. Toba	45	T/P	IV	V	V	II
		Sg. Untut	59	T/P	III	IV	V	I
Johor	Sg. Danga	Sg. Danga	59	T/P	III	IV	V	I
	Sg. Kaw. Pasir Gudang	Sg. Tukang Batu	50	T/P	IV	V	V	I
	Sg. Kempas	Sg. Kempas	52	T/P	IV	V	V	II
	Sg. Segget	Sg. Segget	55	T/P	III	V	V	I
	Sg. Tebrau	Sg. Pandan	54	T/P	III	V	V	I
		Sg. Sengkuang	39	T/P	IV	V	V	II
		Sg. Tampoi	55	T/P	III	V	V	I

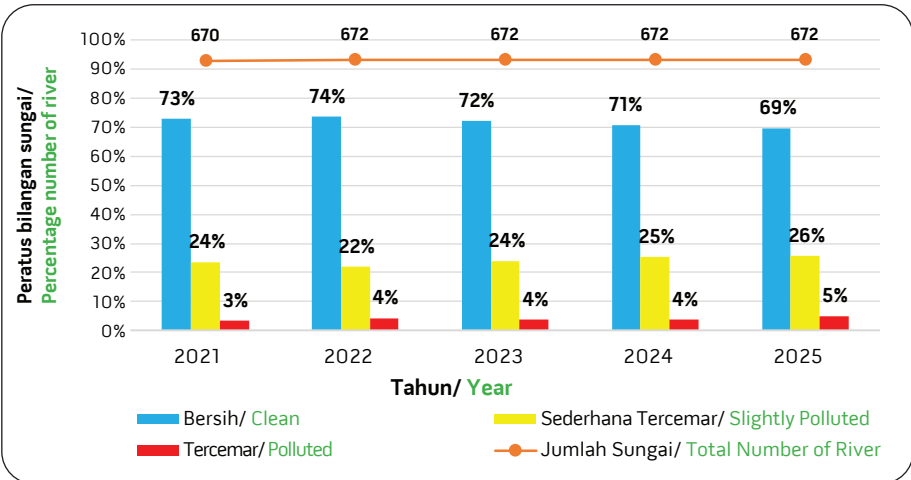
2 (c): Sungai Tercemar dan Kelas Kualiti Air Berdasarkan BOD, AN dan SS, 2025

2 (c): Polluted Rivers and Water Quality Classes Based on BOD, AN and SS, 2025

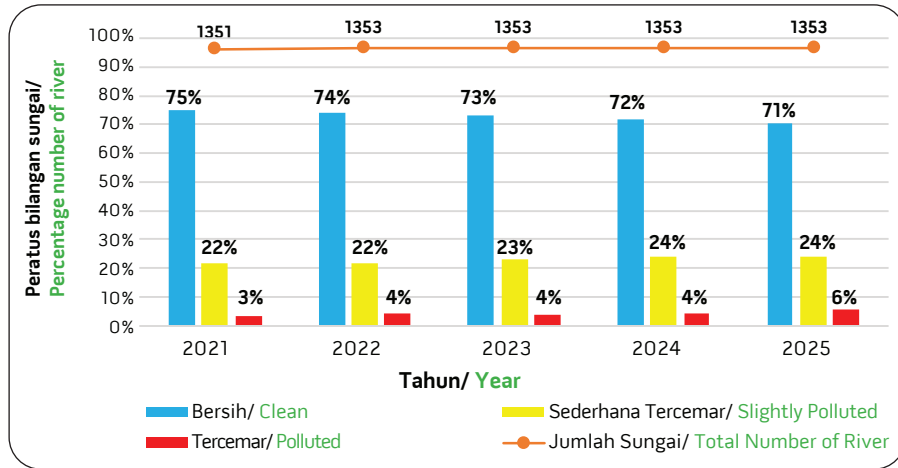
NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	2025			KELAS BERDASARKAN/ CLASS BASED ON		
			IKA/ WQI	KATEGORI/ CATEGORY	KELAS/ CLASS	BOD	AN	SS
Kelantan	Sg. Pengkalan Chepa	Sg. Alor B	59	T/P	III	III	V	I
		Sg. Alor Lintah	59	T/P	III	IV	V	I
N. Sembilan / Selangor	Sg. Sepang	Sg. Rambai	57	T/P	III	IV	V	II
Sarawak	Sg. Miri	Sg. Adong	47	T/P	IV	II	III	I
		Sg. Miri	47	T/P	IV	II	III	II
	Sg. Rajang	Sg. Daro	57	T/P	III	II	II	I
		Sg. Jemoreng	59	T/P	III	II	II	I

2 (d): Tren Kualiti Air Sungai, 2021-2025

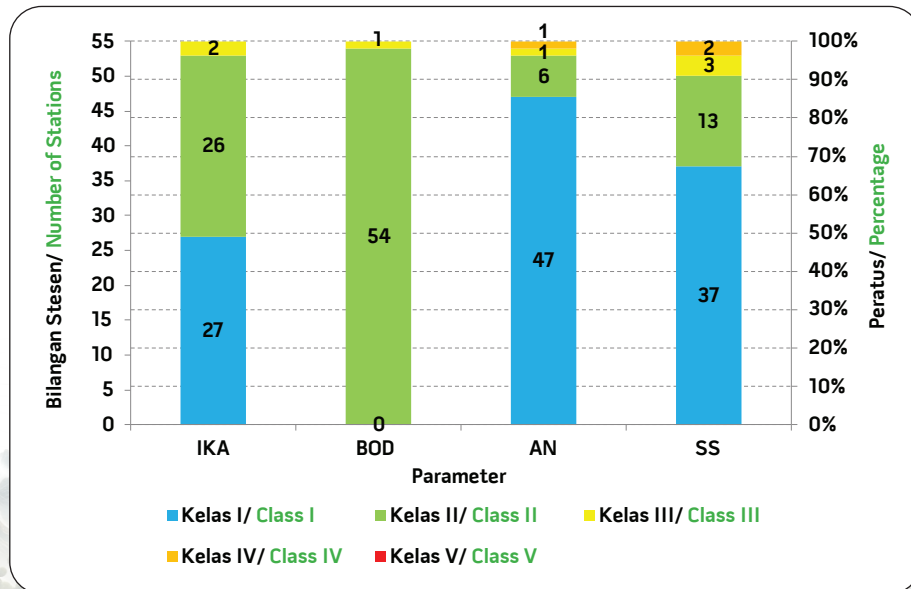
2 (d): River Water Quality Trend, 2021-2025



2 (e): Tren Stesen Kualiti Air Sungai, 2021 – 2025
2 (e): River Water Quality Stations Trend, 2021 – 2025

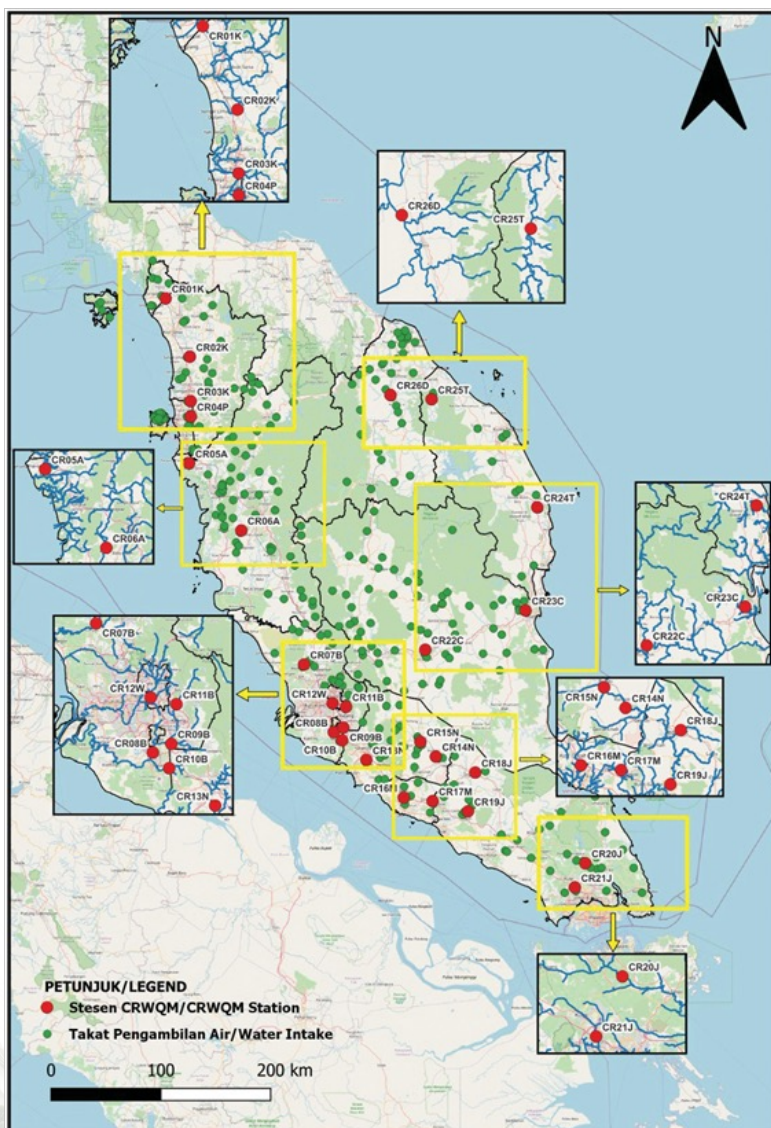


2 (f): Kualiti Air Sungai di Stesen Hulu Muka Sauk, 2025
2 (f): River Water Quality at Upstream Water Intake Stations, 2025



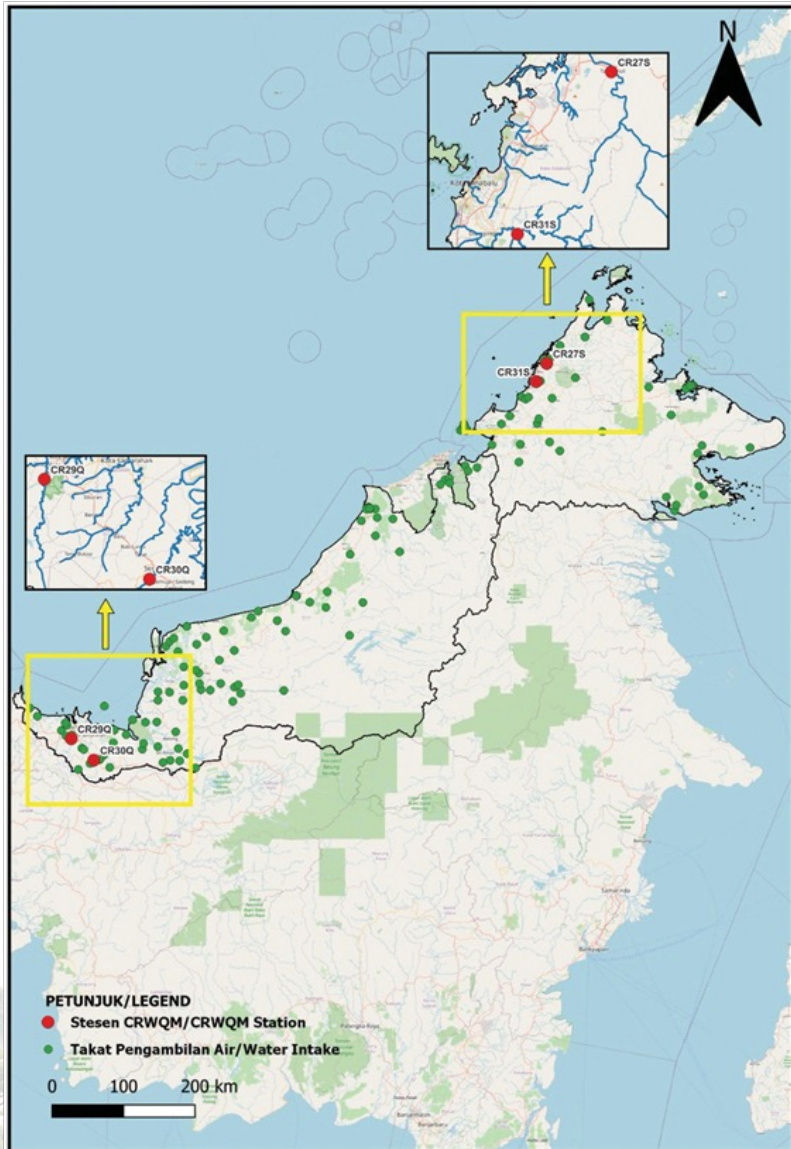
2 (g): Stesen Pengawasan Kualiti Air Sungai Automatik Dan Takat Pengambilan Air (Semenanjung Malaysia)

2 (g): Continuous River Water Quality Monitoring Stations and Water Intakes (Peninsular Malaysia)



2 (h): Stesen Pengawasan Kualiti Air Sungai Automatik Dan Takat Pengambilan Air (Sabah dan Sarawak)

2 (h): Continuous River Water Quality Monitoring Stations and Water Intakes (Sabah and Sarawak)



SEKSYEN 3: KUALITI AIR MARIN SECTION 3: MARINE WATER QUALITY



**PENGAWASAN KUALITI AIR
MARIN MANUAL**
Manual Marine Water Quality
Monitoring (MMWQM)

29

**Parameter Dipantau /
Parameters Monitored**



STESEN PANTAI
Coastal Stations

188

**PERSAMPELAN
STESEN PANTAI**
Coastal Station
Sampling

1128



STESEN MUARA SUNGAI
Estuary Stations

85

**PERSAMPELAN STESEN
MUARA SUNGAI**
Estuary Station
Sampling

510



STESEN PULAU
Island Stations

95

PERSAMPELAN STESEN PULAU
Island Station
Sampling

570



**PENGAWASAN KUALITI
AIR MARIN AUTOMATIK**
Continuous Marine
Water Quality Monitoring
(CMWQM)

10

**Stesen
Automatik /
Continuous
Stations**

11

**Parameter
Dipantau /
Parameters
Monitored**

STESEN TERBAIK AIR MARIN 2025 EXCELLENT MARINE WATER STATION 2025

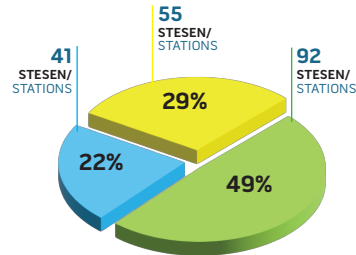


STATUS KUALITI AIR MARIN 2025 MARINE WATER QUALITY STATUS 2025

STESEN PANTAI / COASTAL STATION

BIL. / NO.	NEGERI / STATE	LOKASI / LOCATION
1	Johor	Pantai Desaru
2	Kedah	Langkawi Island Resort
3	Kedah	Pantai Kok
4	Kedah	Pantai Teluk Burau
5	Kedah	Pantai Teluk Nibong
6	Pahang	Pantai Tanjung Batu
7	Pahang	Pantai Lanjut
8	Perak	Pantai Pasir Panjang
9	Terengganu	KIPC Utara
10	Terengganu	Pantai Rhu 10

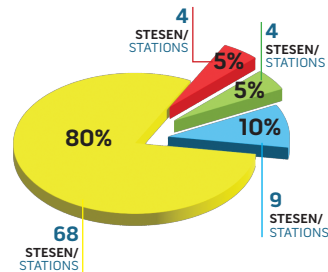
STESEN PANTAI / COASTAL STATION



STESEN MUARA SUNGAI / ESTUARY STATION

BIL. / NO.	NEGERI / STATE	LOKASI / LOCATION
1	Terengganu	Tioxide Utara (Kg. Bukit Kuang, Kijal)
2	Terengganu	Tioxide Tengah (Pupuk Semangat, Kijal)
3	Terengganu	Tioxide Selatan (KSB, T. Kalong)
4	Terengganu	Kuala Sungai Setiu

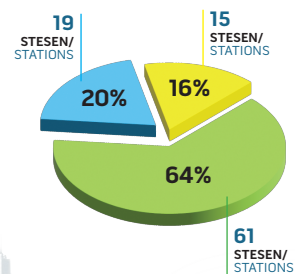
STESEN MUARA SUNGAI / ESTUARY STATION



STESEN PULAU / ISLAND STATION

BIL. / NO.	NEGERI / STATE	LOKASI / LOCATION
1	Johor	Dayang
2	Pahang	Labas
3	Pahang	Cebah
4	Pahang	Sembilang
5	Terengganu	Perhentian Besar (South)
6	Terengganu	Redang (South)
7	Terengganu	Lima
8	Kedah	Payar
9	Kedah	Kaca
10	Pahang	Pulau Tioman (Kg. Genting)

STESEN PULAU / ISLAND STATION



■ Terbaik / Excellent
 ■ Sederhana / Moderate
 ■ Baik / Good
 ■ Tercemar / Poor

3 (a): Parameter Kualiti Air Marin, 2025

3 (a): Marine Water Quality Parameters, 2025

BIL/ NO.	PARAMETER / PARAMETERS	KOD / CODE	UNIT / UNIT
PENGUKURAN IN-SITE / IN-SITU MEASUREMENTS			
1.	Oksigen Terlarut / Dissolved Oxygen	DO mg/l	mg/l
2.	pH	pH	-
3.	Kemasinan / Salinity	Sal	ppt
4.	Suhu / Temperature	Temp	°C
5.	Kekeruhan / Turbidity	Turb	NTU
6.	Konduktiviti / Conductivity	Cond	mS/cm
PENGUKURAN MAKMAL / LABORATORY MEASUREMENTS			
1.	Jumlah Pepejal Terampai / Total Suspended Solid	TSS	mg/l
2.	Minyak dan Gris / Oil and Grease	O&G	mg/l
3.	Bebola Tar / Tarball	Tar	g/100m
4.	Merkuri / Mercury	Hg	µg/l
5.	Kadmium / Cadmium	Cd	µg/l
6.	Kromium (VI) / Chromium (VI)	Cr ⁶⁺	µg/l
7.	Kuprum / Copper	Cu	µg/l
8.	Arsenik / Arsenic	As	µg/l
9.	Plumbum / Lead	Pb	µg/l
10.	Zink / Zinc	Zn	µg/l
11.	Sianida / Cyanide	CN	µg/l
12.	Ammonia Tidak Terion / Unionized Ammonia	NH ₃	µg/l
13.	Nitrogen Ammonia / Ammoniacal Nitrogen	NH ₃ -N	µg/l
14.	Nitrit / Nitrite	NO ₂	µg/l
15.	Nitrat / Nitrate	NO ₃	µg/l
16.	Fosfat / Phosphate	PO ₄	µg/l
17.	Fenol / Phenol	Phenol	µg/l
18.	Tributiltin / Tributyltin	TBT	µg/l
19.	Total Coliform	TC	cfu/100ml
20.	Faecal Coliform	FC	cfu/100ml
21.	Escherichia coli	E. coli	cfu/100ml
22.	Enterococci	-	cfu/100ml
23.	Polycyclic Aromatic Hydrocarbons	PAHs	µg/l

3 (b): Standard Kualiti Air Marin Malaysia

3 (b): Malaysian Marine Water Quality Standards

PARAMETER (µg/l) MELAINKAN DINYATAKAN SEBALIKNYA / PARAMETERS (µg/l) UNLESS OTHERWISE STATED	KLASIFIKASI / CLASSIFICATION					
	KELAS 1 / CLASS 1	KELAS 2 / CLASS 2	KELAS 3 / CLASS 3	INTERIM KELAS E1/ INTERIM CLASS E1	INTERIM KELAS E2/ INTERIM CLASS E2	INTERIM KELAS E3/ INTERIM CLASS E3
	HABITAT MARIN SENSITIF / SENSITIVE MARINE HABITATS	PERIKANAN (TERMASUK MARIKULTUR) / FISHERIES (INCLUDING MARICULTURE)	INDUSTRI, AKTIVITI KOMERSIAL & KAWASAN KEDIAMAN PESISIR PANTAI / INDUSTRIAL, COMMERCIAL ACTIVITIES & COASTAL SETTLEMENTS	MUARA SUNGAI / ESTUARIES		
				DATARAN PANTAI / COASTAL PLAIN	LAGUN / LAGOON	RANGKAIAN KOMPLEKS/ COMPLEX DISTRIBUTARY NETWORK
Oksigen Terlarut / Dissolved Oxygen (mg/l)	>6.0	>5.0	>3.0	>5.0	>5.0	>5.0
Jumlah Pepejal Terampai/ Total Suspended Solids (mg/l)	25.0	50.0	100.0	30.0	30.0	30.0
Fosfat / Phosphate	5.0	75.0	670.0	100.0	180.0	180.0
Nitrat / Nitrate	10.0	60.0	700.0	200.0	570.0	430.0
Ammonia	35.0	50.0	320.0	5.0	10.0	10.0
Merkuri / Mercury	0.04	0.04	0.04	0.04	0.04	0.04
Kadmium / Cadmium	0.50	2.00	3.00	1.00	1.00	1.00
Kromium (VI) / Chromium (VI)	0.14	10.00	20.00	10.00	10.00	10.00
Kuprum / Copper	1.30	2.90	8.00	1.00	1.00	1.00
Sianida / Cyanide	2.00	7.00	14.00	5.00	5.00	5.00
Plumbum / Lead	2.20	8.50	12.00	1.30	2.00	2.00
Zink / Zinc	7.00	50.00	100.00	16.00	5.00	5.00
Arsenik (III) / Arsenic (III)	1.00	3.00	3.00	3.00	1.00	1.00
Aluminium	27.00	27.00	55.00	27.00	27.00	27.00
Tributyltin (TBT)	0.001	0.010	0.050	0.002	0.002	0.002
Polycyclic Aromatic Hydrocarbons (PAHs)	100.0	200.0	1000.0	5.0	5.0	5.0
Jumlah Fenol / Total Phenol	1.0	10.0	100.0	10.0	10.0	10.0
Minyak & Gris / Oil & Grease (mg/l)	0.01	0.14	5.00	1.00	1.00	1.00
Faecal Coliform (cfu/100ml)	70	70	70	70	70	70
Suhu / Temperature (°C)	≤ 2 °C bertambah melebihi ambien maksimum / ≤ 2 °C increase over maximum ambient					
pH	6.5 - 9.0					
Marine Litter	Bebas dari marine litter / Free from marine litter					

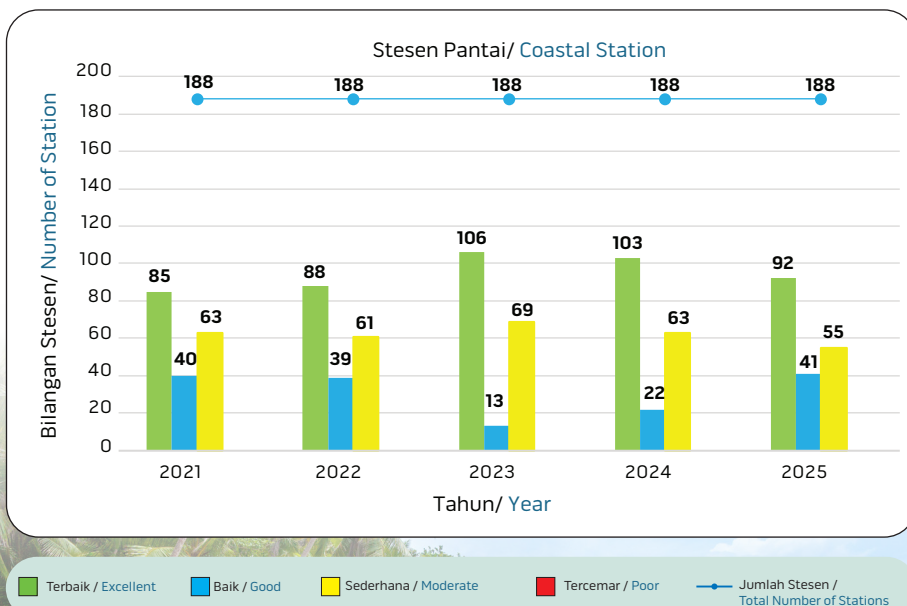
3 (c): Klasifikasi Indeks Kualiti Air Marin Malaysia (IKAMM)

3 (c): Malaysian Marine Water Quality Index (MMWQI) Classification

KATEGORI / CATEGORY	NILAI INDEKS / INDEX VALUE
Terbaik / Excellent	90 - 100
Baik / Good	80 - <90
Sederhana / Moderate	50 - <80
Tercemar / Poor	0 - <50

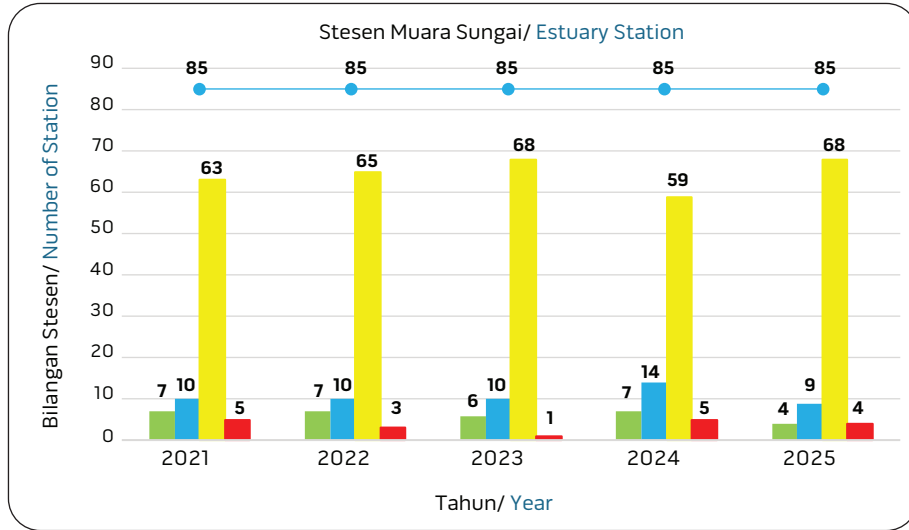
3 (d): Tren Status Kualiti Air Marin bagi Kawasan Pantai, 2021 -2025

3 (d): The Marine Water Quality Status Trend for Coastal Area, 2021 -2025



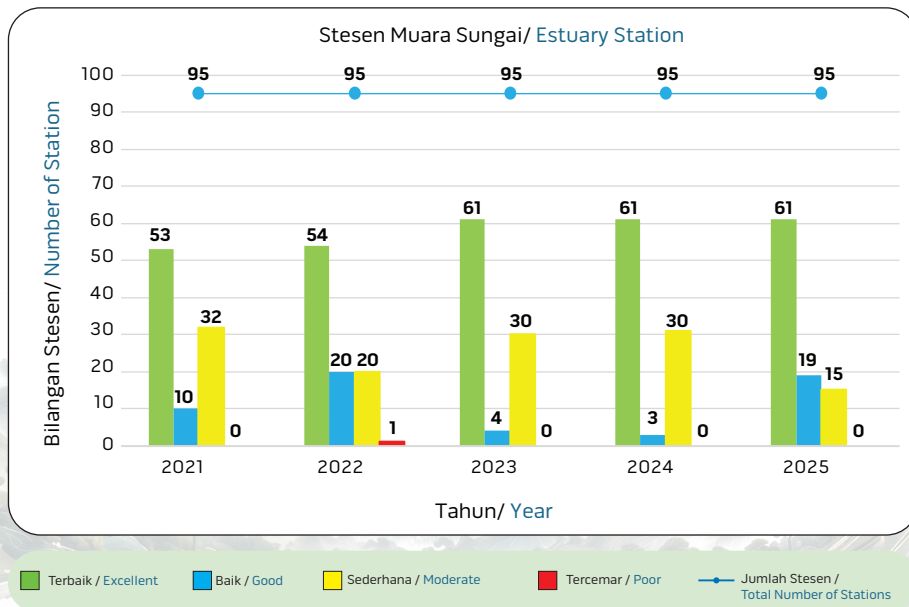
3 (e): Tren Status Kualiti Air Marin bagi Muara Sungai, 2021 -2025

3 (e): The Marine Water Quality Status Trend for Estuary, 2021 -2025



3 (f): Tren Status Kualiti Air Marin bagi Pulau, 2021-2025

3 (f): The Trend of Marine Water Quality Status for Island, 2021-2025



3 (g): Senarai Stesen Pengawasan Kualiti Air Marin dengan Status Kategori Tercemar dan Sub-Indeks Mengikut Parameter, 2025

3 (g): List of Marine Water Quality Monitoring Stations under the Category of Poor Status and their Sub-Index by Parameter, 2025

NEGERI / STATE	KLASIFIKASI STESEN / STATION CLASSIFICATION	LOKASI / LOCATION	STESEN ID / ID STATION	IKAMM / MMWQI	STATUS / STATUS	SUB-INDEXES / SUB-INDEX					
						OKSIGEN TERLARUT/ DISSOLVED OXYGEN	AMMONIA TIDAK TERION / UNIONIZED AMMONIA	FAECAL COLIFORM	JUMLAH PEPEJAL TERAMPAI/ TOTAL SUSPENDED SOLID	NITRAT / NITRATE	FOSFAT / PHOSPHATE
SELANGOR	Muara Sungai / Estuary	Kuala Sungai Klang	MMBE005	49	Tercemar/ Poor	89	85	8	92	76	55
JOHOR	Muara Sungai / Estuary	Kuala Sungai Segget	MMJE001	48	Tercemar/ Poor	95	92	8	94	65	52
PULAU PINANG	Muara Sungai / Estuary	Kuala Sungai Juru	MMPE002	46	Tercemar/ Poor	96	92	8	90	84	44
PULAU PINANG	Muara Sungai / Estuary	Kuala Sungai Pinang	MMPE004	47	Tercemar/ Poor	53	94	8	93	86	80

3 (h): Senarai Stesen Pengawasan Kualiti Air Marin bagi Pantai dengan Status Kategori Terbaik, 2025

3 (h): List of Marine Water Quality Monitoring of Coastal Stations with Status of Excellent, 2025

Bil/No	Negeri/State	Lokasi/Location
1	Johor	Pantai Desaru
2	Kedah	Langkawi Island Resort
3	Kedah	Pantai Kok
4	Kedah	Pantai Teluk Burau
5	Kedah	Pantai Teluk Nibong
6	Pahang	Pantai Tanjung Batu
7	Pahang	Pantai Lanjut
8	Perak	Pantai Pasir Panjang
9	Terengganu	KIPC Utara
10	Terengganu	Pantai Rhu 10

Nota / Notes:

Senarai menunjukkan sepuluh (10) stesen teratas dengan status kategori terbaik / The list shows the top ten (10) stations in the excellent category

3 (i): Senarai Stesen Pengawasan Kualiti Air Marin bagi Muara Sungai dengan Status Kategori Terbaik, 2025

3 (i): List of Marine Water Quality Monitoring of Estuary Stations with Status of Excellent, 2025

Bil/No	Negeri/State	Lokasi/Location
1	Terengganu	Tioxide Utara (Kg. Bukit Kuang, Kijal)
2	Terengganu	Tioxide Tengah (Pupuk Semangat, Kijal)
3	Terengganu	Tioxide Selatan (KSB, T. Kalong)
4	Terengganu	Kuala Sungai Setiu

Nota / Notes:

Senarai menunjukkan empat (4) stesen teratas dengan status kategori terbaik / The list shows the top four (4) stations in the excellent category

3 (j): Senarai Stesen Pengawasan Kualiti Air Marin bagi Pulau dengan Status Kategori Terbaik, 2025

3 (j): List of Marine Water Quality Monitoring of Island Stations with Excellent Status, 2025

Bil/No	Negeri/State	Lokasi/Location
1	Johor	Dayang
2	Pahang	Labas
3	Pahang	Cebah
4	Pahang	Sembilang
5	Terengganu	Perhentian Besar (South)
6	Terengganu	Redang (South)
7	Terengganu	Lima
8	Kedah	Payar
9	Kedah	Kaca
10	Pahang	Pulau Tioman (Kg. Genting)

Nota / Notes:

Senarai menunjukkan sepuluh (10) stesen teratas dengan status kategori terbaik / The list shows the top ten (10) stations in the excellent category



SEKSYEN 4: KUALITI AIR TANAH

SECTION 4: GROUNDWATER QUALITY

PENGAWASAN KUALITI AIR TANAH

GROUNDWATER QUALITY MONITORING

**STESEN DI SELURUH
NEGARA**
STATIONS (WELLS)
NATIONWIDE

119

JENIS GUNA TANAH
LAND USE CATEGORY

12

**BILANGAN SAMPEL AIR
TANAH DIANALISA**
NUMBER OF GROUNDWATER
SAMPLES ANALYSED

447



BEKAS LOMBONG
USED MINES

Sangat Baik/
Excellent

0

Baik/ Good

3

Sederhana /
Moderate

0

Sangat Baik/
Excellent

2

Baik/ Good

9

Sederhana /
Moderate

3



KAWASAN PERTANIAN
AGRICULTURAL AREA



AKUAKULTUR
AQUACULTURE

Sangat Baik/
Excellent

0

Baik/ Good

3

Sederhana /
Moderate

4

Sangat Baik/
Excellent

0

Baik/ Good

15

Sederhana /
Moderate

8



**BEKAS TAPAK
PELUPUSAN SAMPAH**
USED SOLID WASTE LANDFILL

Sangat Baik/
Excellent

0

Baik/ Good

15

Sederhana /
Moderate

8

Sangat Baik/
Excellent

0

Baik/ Good

15

Sederhana /
Moderate

8



BANDAR & PINGGIR BANDAR
URBAN & SUBURBAN AREA



PADANG GOLF
GOLF COURSES



TAPAK PERINDUSTRIAN
INDUSTRIAL SITES



BEKALAN AIR
WATER SUPPLY



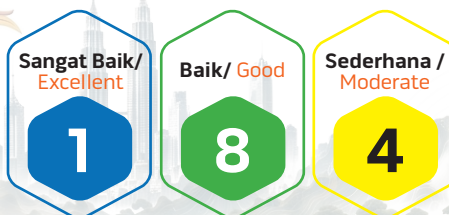
LUAR BANDAR
RURAL



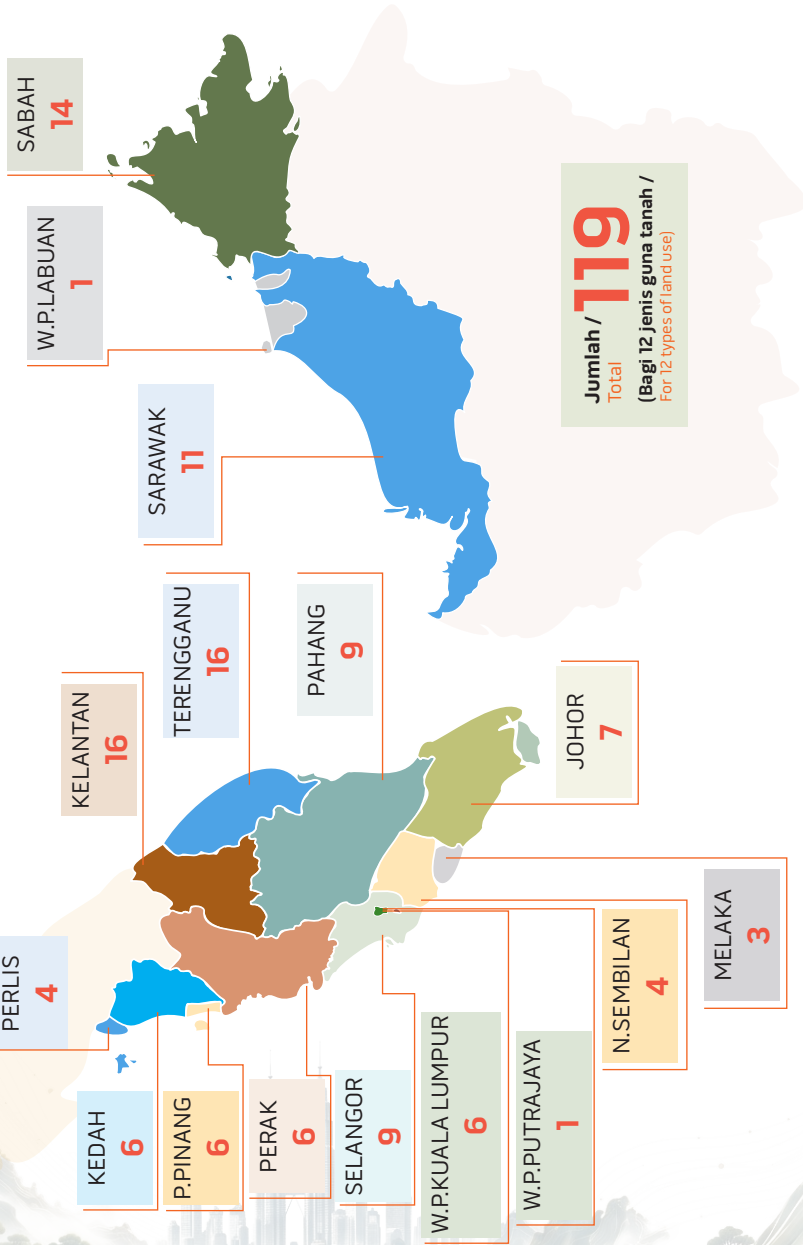
KAWASAN PERANGINAN
RESORTS



**BEKAS TAPAK PELUPUSAN
BANGKAI HAIWAN**
USED ANIMAL BURIAL SITES



Jumlah Telaga Pengawasan Kualiti Air Tanah di Seluruh Malaysia, 2025
Total Number Of Groundwater Monitoring Wells In Malaysia, 2025



4 (a): Taburan Stesen Pengawasan Kualiti Air Tanah di Seluruh Negeri di Malaysia mengikut Jenis Kategori Guna Tanah, 2025

4 (a): Distribution of Groundwater Quality Monitoring Stations Throughout the States in Malaysia based on Land Use, 2025

KATEGORI / CATEGORY	BILANGAN STESEN/ NUMBER OF WELLS	NEGERI / STATE	BILANGAN TELAGA / NUMBER OF WELLS
Kawasan Pertanian / Agricultural Area	15	Sabah	2
		Terengganu	5
		Pahang	1
		Kedah	3
		Perlis	1
		Kelantan	2
		Selangor	1
Bandar & Pinggir Bandar / Urban & Suburban Area	13	Sabah	1
		Terengganu	2
		Pahang	1
		Kedah	1
		Perlis	2
		Kelantan	3
		Selangor	2
		W.P. Putrajaya	1
		W.P. Labuan	1
		Terengganu	5
Tapak Perindustrian / Industrial Sites	22	Johor	2
		Kedah	1
		Kelantan	2
		Melaka	1
		Selangor	3
		P. Pinang	3
		N. Sembilan	1
		Perak	1
		Pahang	1
		Perlis	1

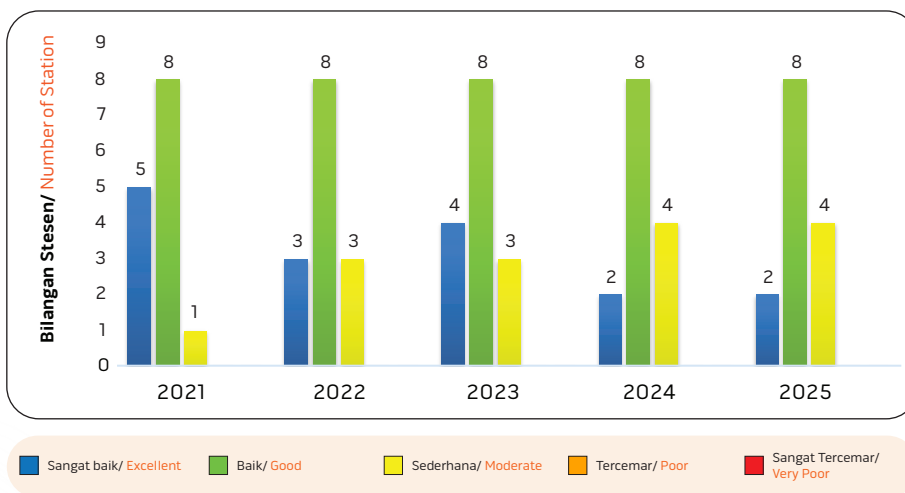
4 (a): Taburan Stesen Pengawasan Kualiti Air Tanah di Seluruh Negeri di Malaysia mengikut Jenis Kategori Guna Tanah, 2025

4 (a): Distribution of Groundwater Quality Monitoring Stations Throughout the States in Malaysia based on Land Use, 2025

KATEGORI / CATEGORY	BILANGAN STESEN/ NUMBER OF WELLS	NEGERI / STATE	BILANGAN TELAGA / NUMBER OF WELLS
Bekas Tapak Pelupusan Sampah / Used Solid Waste Landfill	26	Sabah	7
		Sarawak	2
		Terengganu	2
		Johor	2
		Kelantan	3
		Perak	1
		W.P. Kuala Lumpur	5
		N. Sembilan	3
Melaka	1		
Padang Golf / Golf Courses	7	Sabah	2
		Kelantan	4
		W.P. Kuala Lumpur	1
Luar Bandar / Rural	5	Terengganu	1
		Kelantan	2
		Melaka	1
		Selangor	1
Bekas Lombong / Used Mine	3	Sarawak	3
Bekalan Air / Water Supply	5	Sabah	1
		Sarawak	4
Bekas Tapak Pelupusan Bangkai Haiwan / Used Animal Burial Sites	13	Sarawak	2
		Johor	3
		Perak	3
		Selangor	2
		P. Pinang	3
Akuakultur / Aquaculture	7	Pahang	6
		Terengganu	1
Tapak Pelupusan Radioaktif / Radioactive Landfills	1	Perak	1
Kawasan Peranginan / Resorts	2	Sabah	1
		Kedah	1
JUMLAH / TOTAL			119

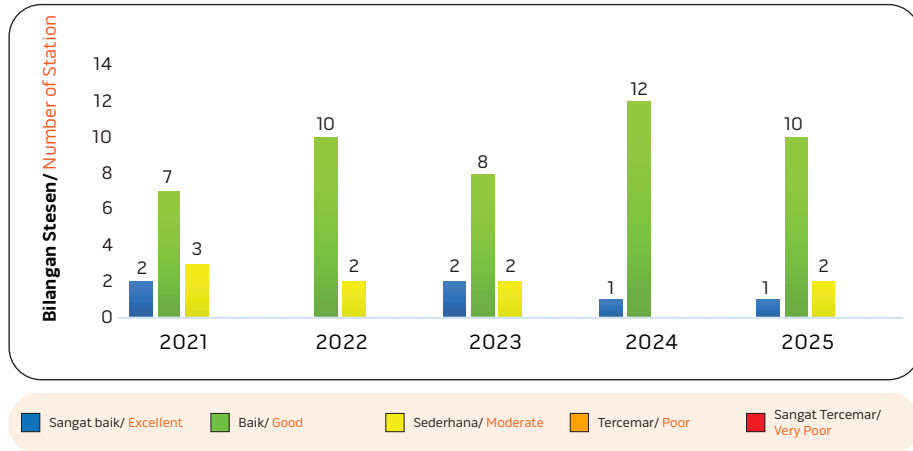
4 (b): Klasifikasi Indeks Kualiti Air Tanah**4 (b): Groundwater Quality Index Classification**

KATEGORI / CATEGORY	IKAT / GWQI	POTENSI KEGUNAAN / POTENTIAL USE
Sangat Tercemar / Very Poor	0-15	Kajian air terperinci sebelum digunakan/ Detailed investigation before use
Tercemar / Poor	16-39	Pengairan atau pertanian / Irrigation or agriculture
Sederhana / Moderate	40-69	Penggunaan industri / Industrial use
Baik / Good	70-89	Berpontensi sebagai air minuman / Potential use as drinking water
Sangat Baik / Excellent	≥90	Air berkualiti untuk semua kegunaan/ High quality water for all purpose

4 (c): Trend Indeks Kualiti Air Tanah Kawasan Pertanian, 2021-2025**4 (c): Trends of Groundwater Quality Index for Agriculture, 2021 -2025**

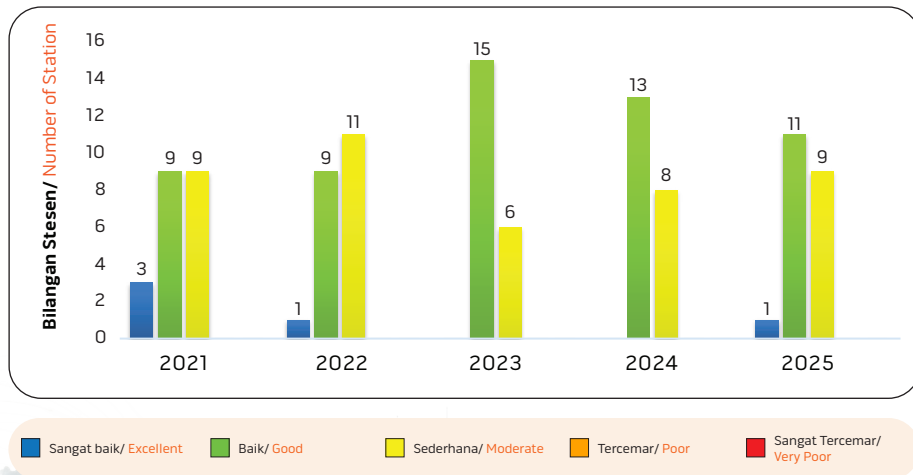
4 (d): Trend Indeks Kualiti Air Tanah bagi Bandar dan Pinggir Bandar, 2021-2025

4 (d): Trends of Groundwater Quality Index for Urban and Suburban, 2021 -2025



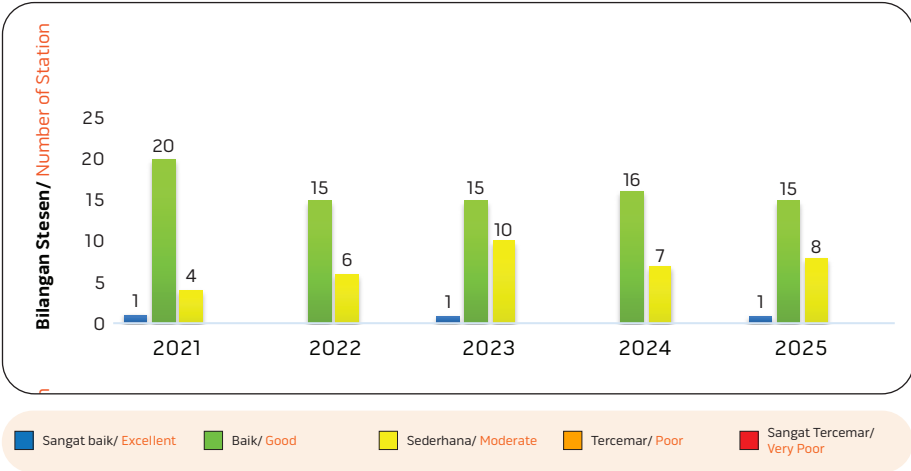
4 (e): Trend Indeks Kualiti Air Tanah bagi Tapak Perindustrian, 2021-2025

4 (e): Trends of Groundwater Quality Index for Industrial Sites, 2021-2025



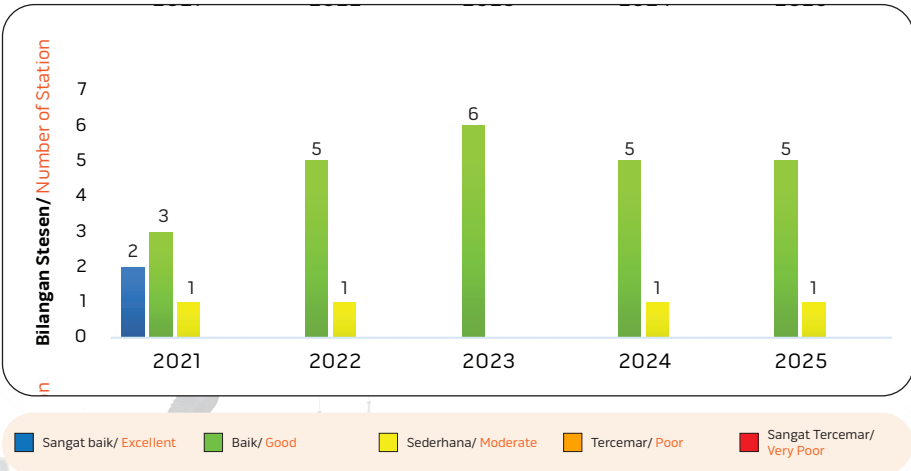
4 (f): Trend Indeks Kualiti Air Tanah bagi Bekas Tapak Pelupusan Sampah, 2021-2025

4 (f): Trends of Groundwater Quality Index for Used Solid Waste Landfills, 2021-2025



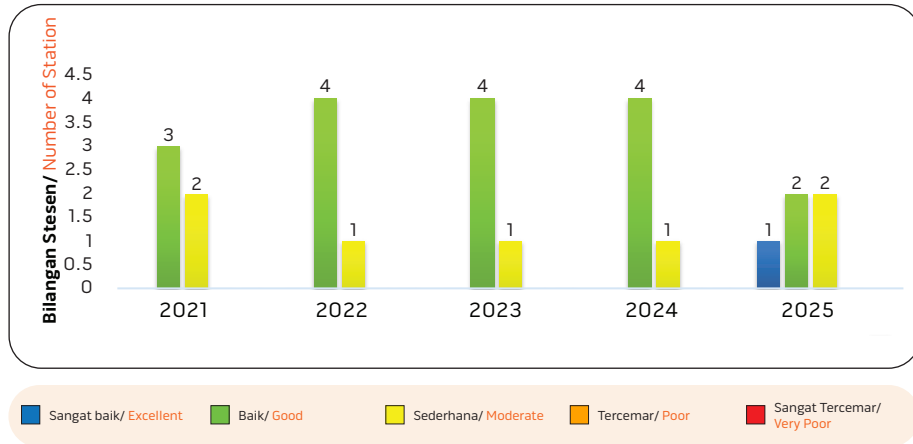
4 (g): Trend Indeks Kualiti Air Tanah bagi Padang Golf, 2021-2025

4 (g): Trends of Groundwater Quality Index for Golf Courses, 2021-2025



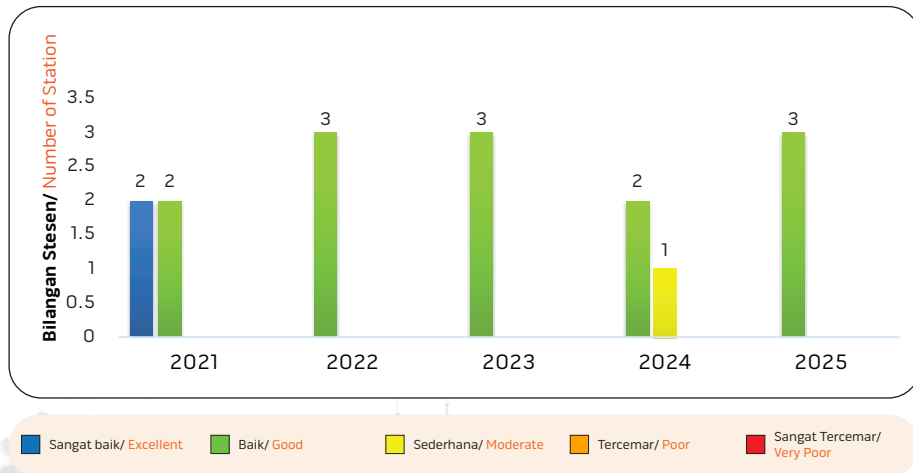
4 (h): Trend Indeks Kualiti Air Tanah bagi Luar Bandar, 2021 -2025

4 (h): Trends of Groundwater Quality Index for Rural, 2021 -2025



4 (i): Trend Indeks Kualiti Air Tanah bagi Bekas Lombong, 2021 -2025

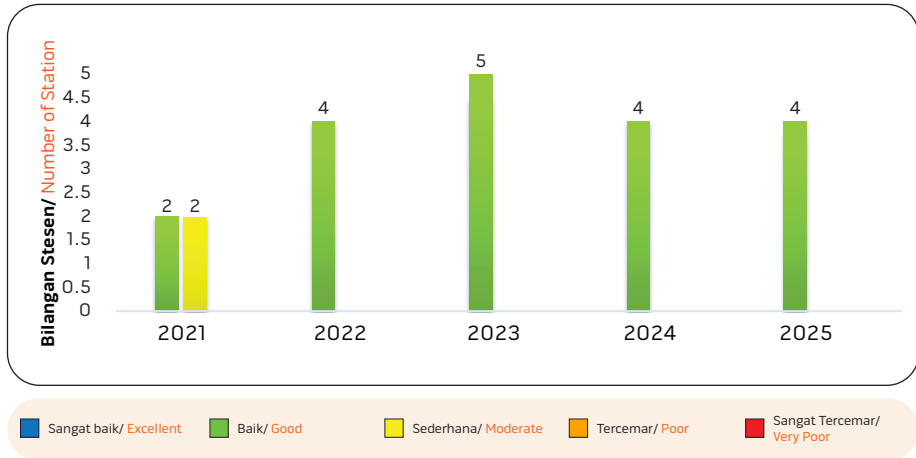
4 (i): Trends of Groundwater Quality Index for Used Mine, 2021 -2025





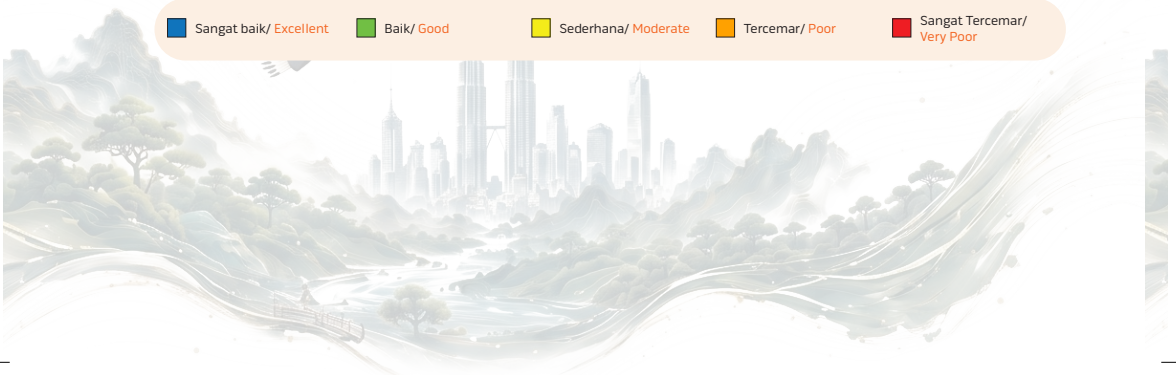
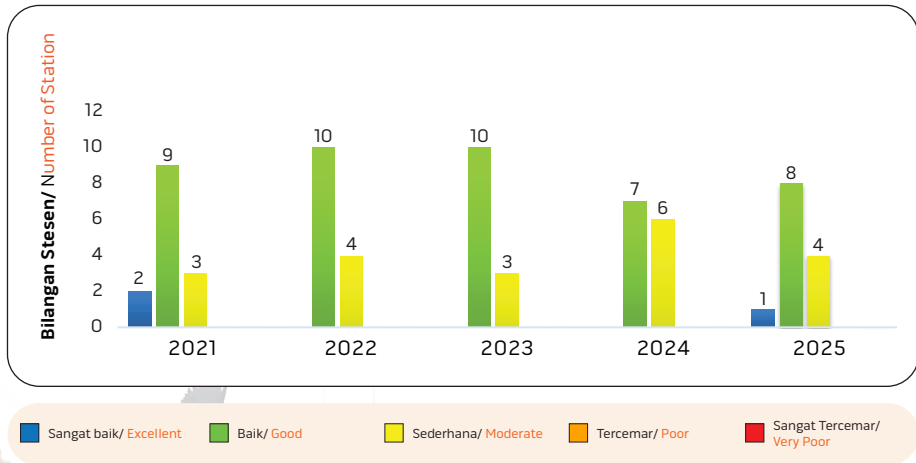
4 (j): Trend Indeks Kualiti Air Tanah bagi Bekalan Air, 2021 -2025

4 (j): Trends of Groundwater Quality Index for Water Supply, 2021 -2025



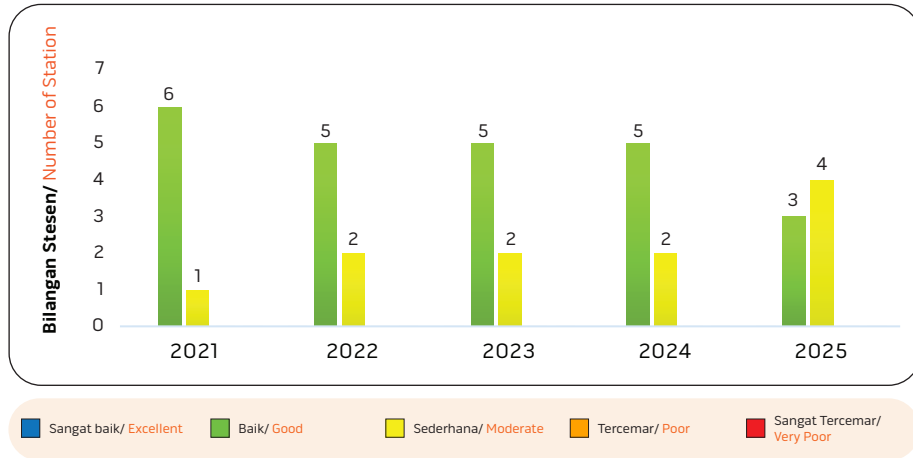
4 (k): Trend Indeks Kualiti Air Tanah bagi Bekas Tapak Pelupusan Bangkai Haiwan, 2021-2025

4 (k): Trends of Groundwater Quality Index for Used Animal Burial Sites, 2021 -2025



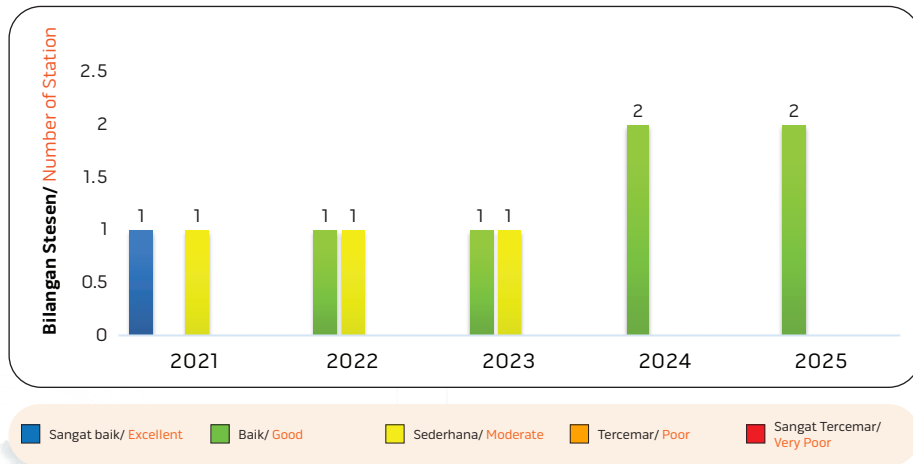
4 (l): Trend Indeks Kualiti Air Tanah bagi Akuakultur, 2021-2025

4 (l): Trends of Groundwater Quality Index for Aquaculture, 2021 -2025



4 (m): Trend Indeks Kualiti Air Tanah bagi Kawasan Peranginan, 2021 -2025

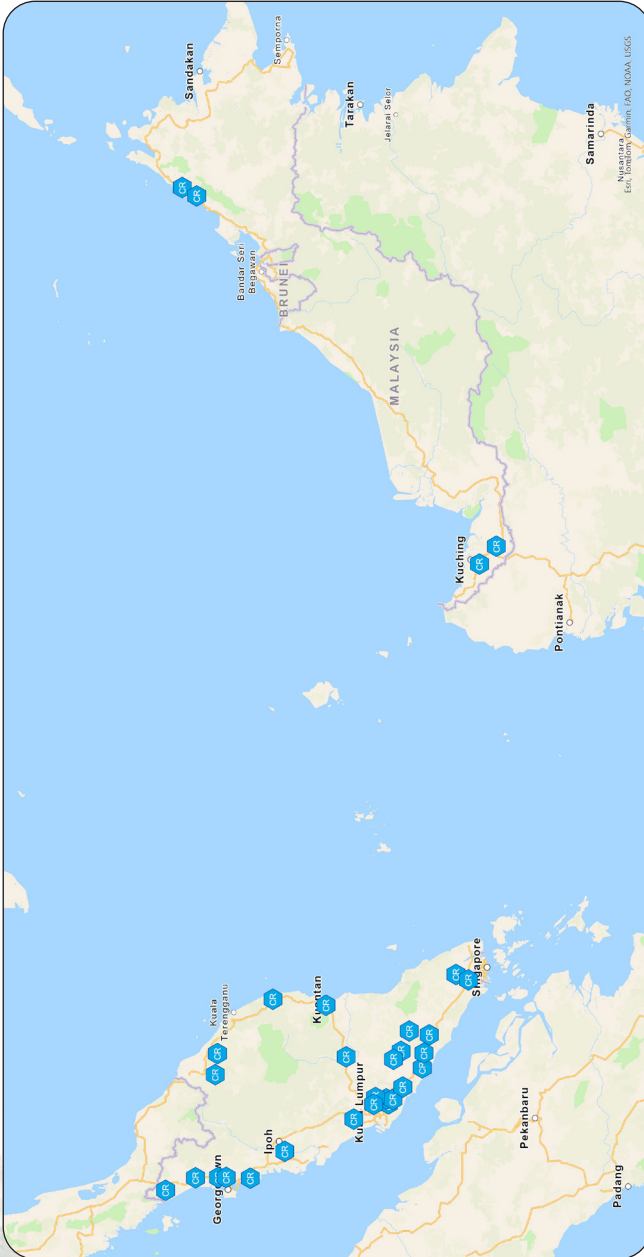
4 (m): Trends of Groundwater Quality Index for Resorts, 2021 -2025



4 (n): Standard Kualiti Air Tanah bagi Rawatan Air Mentah Secara Konvensional (Air Minuman) Merujuk kepada Parameter Utama dalam Penilaian Status Kualiti Air Tanah**4 (n): Groundwater Quality Standards for Conventional Treatment of Raw Water (Drinking Water) with Reference to Significant Parameters in Assessing Groundwater Quality Status**

PARAMETER / PARAMETER	SIMBOL / SYMBOL	STANDARD / STANDARD	UNIT / UNIT
Jumlah Koliform / Total coliform	—	5000	MPN/100 ml
Pepejal Terlarut/ TDS	—	1500	mg/l
Klorida / Chloride	Cl	250	mg/l
Besi / Iron	Fe	1.0	mg/l
Keliatan / Hardness	CaCO ₃	500	mg/l
Mangan / Manganese	Mn	0.2	mg/l
Nitrat / Nitrate	NO ₃	10	mg/l
Raksa / Mercury	Hg	0.001	mg/l
Kadmium / Cadmium	Cd	0.003	mg/l
Arsenik / Arsenic	As	0.01	mg/l
Plumbum / Lead	Pb	0.05	mg/l
Kromium / Chromium	Cr	0.05	mg/l
Kuprum / Copper	Cu	1.0	mg/l
Zink / Zinc	Zn	3.0	mg/l
Sulfat / Sulphate	SO ₄ ²⁻	250	mg/l
Selenium / Selenium	Se	0.01	mg/l
Fenol / Phenol	—	0.002	mg/l

5 (b): Taburan Lokasi Stesen Automatik bagi Pengawasan Kualiti Air Sungai, 2025
5 (b): Distribution of River Water Quality Monitoring Automatic Stations in 2025



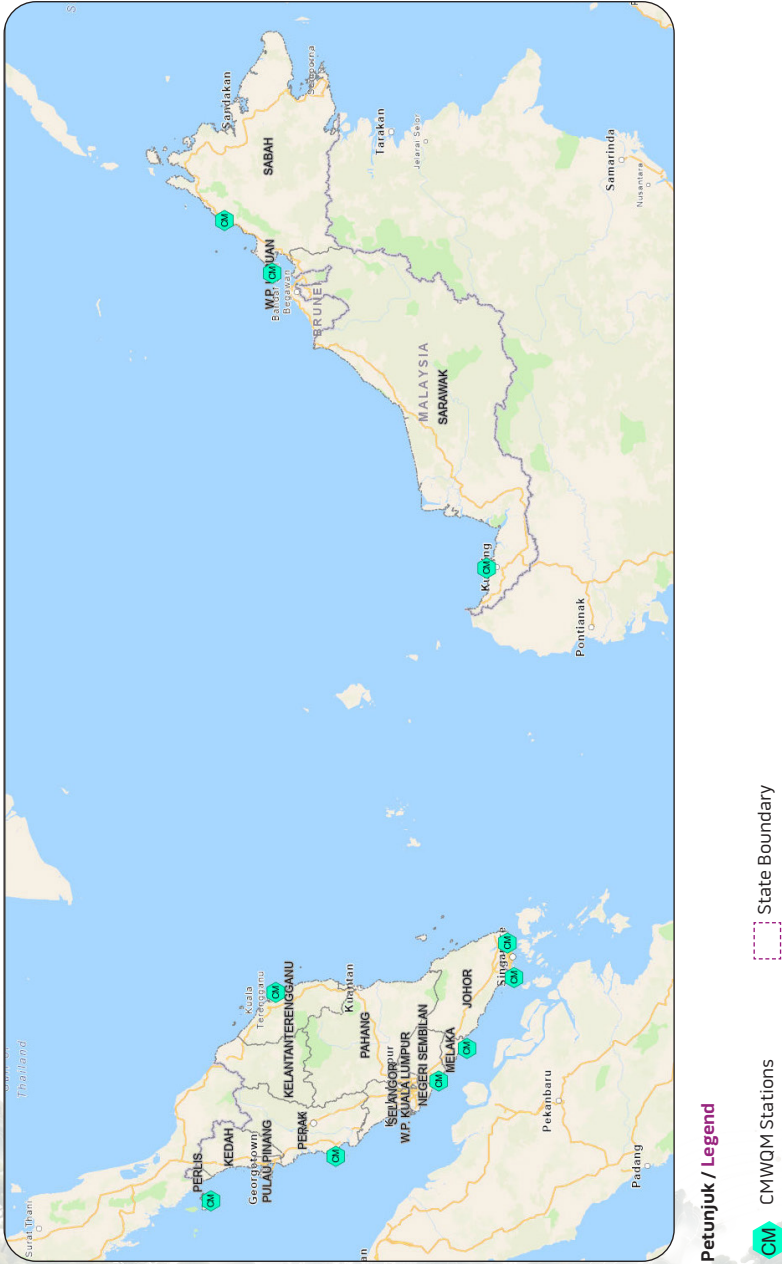
Petunjuk / Legend

CR CRWQM Stations

Water Body

State Boundary

5 (c): Taburan Lokasi Stesen Automatik bagi Pengawasan Kualiti Air Marin, 2025
 5 (c): Distribution of Marine Water Quality Monitoring Automatic Stations in 2025



SEKSYEN 5: PROGRAM PENGAWASAN
 KUALITI ALAM SEKITAR (EQMP)
 SECTION 5: ENVIRONMENTAL QUALITY
 MONITORING PROGRAM (EQMP)



5 (d): Bilangan Stesen Pengawasan Kualiti Alam Sekitar di Malaysia

5 (d): The Number of Environmental Quality Monitoring Station in Malaysia

KOMPONEN/ COMPONENT	STESEN AUTOMATIK/ AUTOMATIC STATION	STESEN MANUAL/ MANUAL STATION	STESEN BERGERAK/ MOBILE STATION
Udara/ Air	65	14	3
Air Sungai/ River Water	30	1,353	7
Air Marin/ Marine Water	10	388	4
Jumlah Stesen/ Total No. of Stations	105	1,755	14

5 (e): Bilangan Persampelan Manual Tahun 2025

5 (e): The Number of Manual Samplings in Year 2025

KOMPONEN/ COMPONENT	STESEN MANUAL/ MANUAL STATION	FREKUENSI PERSAMPELAN/ SAMPLING FREQUENCY	BILANGAN PERSAMPELAN/ TOTAL NO. OF SAMPLING
Udara/ Air	14	Setiap 6 hari/ Every 6 days	2,060
Air Sungai/ River Water	1,353	6 kali setahun/ 6 times a year	8,118
Air Marin/ Marine Water	388	6 kali setahun/ 6 times a year	2,268



SEKSYEN 6: PENGURUSAN BUANGAN TERJADUAL

SECTION 6: SCHEDULED WASTE MANAGEMENT

6 (a): Lesen-Lesen yang Dikeluarkan bagi Kemudahan Pemeroletan Kembali, Pengolahan & Pelupusan Buangan Terjadual yang Diluluskan oleh Jabatan Alam Sekitar, 2025

6 (a): Licences Issued for Recovery Facilities Processing Hazardous Waste Disposal Approved by the Department of Environment, 2025

KEMUDAHAN/ FACILITIES	JUMLAH LISEN DIKELUARKAN MENGIKUT NEGERI / NUMBER OF LICENCES ISSUED BY STATE															JUMLAH/ TOTAL
	Johor	Kedah	Kelantan	Melaka	N. Sembilan	Pahang	Perak	Perlis	P.Pinang	Sabah	Sarawak	Selangor	Terengganu	W.P. KL	W.P. Labuan	
Pembawa yang Ditetapkan/Prescribed Conveyance	65	26	4	24	22	7	38	3	61	10	33	86	8	5	6	398
Penstoran Luar Tapak/ Off Site Storage	1	1	1	3	1	2	3	0	1	6	24	3	1	0	5	52
Pemeroletan Pemeroletan Kembali Luar Tapak (bukan e-waste) / Off Site Recovery (none e-Waste)	37	13	1	15	17	8	31	1	29	3	5	58	4	0	2	224
Pemeroletan Kembali Luar Tapak (penuh e-Waste) / Off Site Recovery (full e-Waste)	1	1	0	0	2	0	1	0	9	0	0	5	0	0	0	19
Pemeroletan Kembali Luar Tapak (separat e-Waste) / Off Site Recovery (partial e-Waste)	23	9	3	7	6	0	3	2	21	1	5	20	3	5	0	108
Penunu Buangan Terjadual /Scheduled Waste Incinerator	7	0	0	0	2	2	2	0	1	0	4	6	2	0	1	27
Pengolahan di Tanah/ Land Treatment Facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Pengolahan Luar Tapak/ Off Site Treatment Facilities	1	1	0	1	5	0	5	0	0	1	3	2	0	0	1	20
Tapak Pelupusan Selamat/ Secured Landfill	2	1	0	0	1	1	0	0	0	0	2	1	1	0	0	9
Bil. Lesen/ No. of Licence	139	53	9	50	56	20	83	6	122	24	77	181	19	10	16	865
Bil. Premis/ No. of Premises	68	27	4	25	27	14	45	3	60	12	35	90	11	5	8	434

SEKSYEN 6: PENGURUSAN BUANGAN TERJADUAL
SECTION 6: SCHEDULED WASTE MANAGEMENT

6 (b): Jumlah Buangan Terjadual yang Dihasilkan mengikut Kod Kategori Buangan Terjadual, 2025**6 (b): Quantity of Scheduled Waste Generated by Scheduled Waste Category Code, 2025**

BIL/ NO.	NAMA BUANGAN/ WASTE NAME	KOD BUANGAN/ WASTE CODE	MT/ TAHUN / MT/YEAR	PERATUS (%) / PERCENTAGE (%)
1	Debu, sanga, dros atau abu yang mengandungi arsenic, raksa, plumbum, kadmium, kromium, nikel, kuprum, vanadium, berilium, antimony, tellurium, talium, atau selenium, tidak termasuk sanga daripada kilang besi dan keluli /Dust, slag, dross or ash containing arsenic, mercury, lead, cadmium, chromium, nickel, copper, vanadium, beryllium, antimony, tellurium, thallium or selenium excluding slag from iron and steel factory	SW104	3,656,253.91	62.60
2	Enap cemar yang mengandungi satu atau beberapa logam termasuklah kromium, kuprum, nikel, zink, plumbum, kadmium, aluminium, timah vanadium dan berilium / Sludges containing one or several metals including chromium, copper, nickel, zinc, lead, cadmium, aluminium, tin, vanadium and beryllium	SW204	358,032.97	6.13
3	Buangan gypsum yang terhasil daripada proses industri kimia atau loji janakuasa / Waste gypsum arising from chemical industry or power plant	SW205	235,532.43	4.03
4	Campuran buangan terjadual dan buangan tidak terjadual / Mixture of scheduled waste & non-scheduled waste	SW422	174,950.29	3.00
5	Minyak pelincir terpakai / Spent lubricating oil	SW305	166,040.83	2.84
6	Enap cemar mineral termasuklah enap cemar kalsium hidroksida, enap cemar pemfosfatan, enap cemar kalsium sulfat dan enap cemar karbonat / Mineral sludges including calcium hydroxide sludges, phosphating sludges, calcium sulphite sludges and carbonates sludges	SW427	152,116.63	2.60
7	Buangan atau enap cemar getah atau lateks yang mengandungi pelarut organik atau logam berat / Rubber or latex wastes or sludge containing organic solvents or heavy metals	SW321	143,385.45	2.45
8	Buangan minyak atau enap cemar berminyak / Waste oil or oily sludges	SW311	130,023.33	2.23
9	Kain buruk, plastik, kertas atau turas yang dicemari dengan buangan terjadual / Rags, plastics, papers or filters contaminated with scheduled wastes	SW410	115,699.30	1.98
10	Asid tidak organik terpakai / Spent inorganic acids	SW206	87,314.58	1.49
11	Bekas, beg atau kelengkapan yang dilupuskan yang dicemari dengan bahan kimia, racun makhluk perosak, minyak mineral atau buangan terjadual / Disposed containers, bags or equipment contaminated with chemicals, pesticides, mineral oil or scheduled wastes	SW409	86,546.41	1.48
12	Enap cemar yang mengandungi fluoride / Sludge containing fluoride	SW207	79,211.02	1.36
13	Buangan daripada pemasangan elektrik dan elektronik yang mengandungi komponen seperti akumulator, suis raksa, kaca daripada tiub sinar katod dan kaca teraktif atau kapasitor bifenil terpoliklorin yang lain, atau yang dicemari dengan kadmium, raksa, plumbum, nikel, kromium, kuprum, litium, perak, mangan, atau bifenil terpoliklorin / Waste from electrical and electronic assemblies containing components such as accumulators, mercury-switches, glass from cathode-ray tubes and other activated glass or polychlorinated biphenyl-capacitors, or contaminated with cadmium, mercury, lead, nickel, chromium, copper, lithium, silver, manganese or polychlorinated biphenyl	SW110	77,783.32	1.33
14	Buangan pelarut organik bukan terhalogen / Waste of non-halogenated solvent	SW322	54,656.30	0.94

6 (b): Jumlah Buangan Terjadual yang Dihasilkan mengikut Kod Kategori Buangan Terjadual, 2025

6 (b): Quantity of Scheduled Waste Generated by Scheduled Waste Category Code, 2025

BIL/ NO.	NAMA BUANGAN/ WASTE NAME	KOD BUANGAN/ WASTE CODE	MT/ TAHUN / MT/YEAR	PERATUS (%) / PERCENTAGE (%)
15	Buangan patogenik, buangan klinikal atau bahan yang dikuarantinkan / Pathogenic wastes, clinical wastes or quarantined materials	SW404	48,677.80	0.83
16	Buangan dakwat, cat, pigmen, lakuer, perwarna atau varnis / Waste of inks, paints, pigments, lacquer, dye or varnish	SW417	30,578.43	0.52
17	Buangan bateri asid plumbum dalam bentuk sempurna atau hancur / Waste of lead acid batteries in whole or crushed form	SW102	25,604.32	0.44
18	Enap cemar dakwat, cat, pigmen, lakuer, perwarna atau varnis / Sludges of inks, paints, pigments, lacquer, dye or varnish	SW416	25,172.67	0.43
19	Tanah, puing, atau bahan tercemar yang terhasil daripada pembersihan tumpahan bahan kimia, minyak mineral, atau buangan terjadual / Contaminated soil, debris or matter resulting from cleaning-up of a spill of chemical, mineral oil or scheduled wastes	SW408	22,021.16	0.38
20	Larutan pemprosesan terpakai, bahan kimia fotografi terbuang atau buangan fotografi terbuang / Spent processing solution, discarded photographic chemicals or discarded photographic wastes	SW423	21,806.44	0.37
21	Emulsi minyak mineral-air terpakai / Spent mineral oil-water emulsion	SW307	20,639.87	0.35
22	Produk dakwat, cat, pigmen, lakuer, perwarna atau varnish yang terbuang atau yang tidak mengikut spesifikasi yang mengandungi pelarut organik / Discarded or off-specification inks, paints, pigments, lacquer, dye or varnish products containing organic solvent	SW418	17,432.08	0.30
23	Klinker, sanga, abu, dari penunu buangan terjadual / Clinker, slag and ashes from scheduled wastes incinerator	SW406	14,876.58	0.25
24	Apa-apa sisa daripada pengolahan atau pemerolehan kembali buangan terjadual / Any residues from treatment or recovery of scheduled wastes	SW501	13,984.63	0.24
25	Campuran minyak-air seperti air ballast / Oil-water mixture such as ballast water	SW309	8,883.77	0.15
26	Bahan kimia yang terbuang atau tidak mengikut spesifikasi / Chemicals that are discarded or off-specification	SW429	8,140.53	0.14
27	Campuran buangan terjadual / A mixture of scheduled wastes	SW421	6,435.44	0.11
28	Minyak hidrolik terpakai / Spent hydraulic oil	SW306	6,047.47	0.1
29	Buangan mangkin / Waste catalyst	SW202	5,869.65	0.1
30	Buangan pelarut organik terhalogen / Waste of halogenated organic solvents	SW323	4,937.19	0.08
31	Alkali terpakai dengan pH yang lebih daripada atau sama dengan 11.5 yang mengakis atau berbahaya / Spent alkalis with pH more or equal to 11.5 which are corrosive or hazardous	SW402	4,888.12	0.08
32	Buangan cecair terma (pemindahan haba) seperti glikol etilena / Waste of thermal fluids (heat transfer) such as ethylene glyco	SW327	4,636.48	0.08
33	Minyak atau enap cemar daripada operasi penyenggaraan loji penapisan minyak / Oil or sludge from oil refinery plant maintenance operation	SW314	4,245.36	0.07
34	Karbon teraktif yang terpakai tidak termasuk karbon daripada pengolahan air boleh diminum dan proses industri makanan dan penghasilan vitamin / Spent activated carbon excluding carbon from the treatment of potable water and processes of the food industry and vitamin production	SW411	3,790.02	0.06

6 (b): Jumlah Buangan Terjadual yang Dihasilkan mengikut Kod Kategori Buangan Terjadual, 2025**6 (b): Quantity of Scheduled Waste Generated by Scheduled Waste Category Code, 2025**

BIL/ NO.	NAMA BUANGAN/ WASTE NAME	KOD BUANGAN/ WASTE CODE	MT/ TAHUN / MT/YEAR	PERATUS (%) / PERCENTAGE (%)
35	Alkali terpakai yang mengandungi logam berat / Spent alkalis containing heavy metals	SW401	3,493.75	0.06
36	Sisa berminyak dari bengkel automotif, stesen servis minyak atau perangkap gris / Oily residue from automotive workshop, service station, oil or grease interceptor	SW312	3,229.13	0.06
37	Larutan alkali berair terpakai yang mengandungi sianida / Spent aqueous alkaline solution containing cyanide	SW414	3,205.32	0.05
38	Buangan bateri yang mengandungi kadmium dan nikel atau raksa atau litium / Waste of batteries containing cadmium and nickel or mercury or lithium	SW103	2,912.09	0.05
39	Buangan resin tidak matang yang mengandungi pelarut organik atau logam berat termasuklah resin epoksi dan resin fenolik / Uncured resin waste containing organic solvents or heavy metals including epoxy resin and phenolic resin	SW325	1,863.58	0.03
40	Buangan yang mengandungi raksa atau sebatiananya / Waste containing mercury or its compound	SW109	1,842.12	0.03
41	Buangan pelekat atau glu yang mengandungi pelarut organik tidak termasuk bahan polimer pepejal / Adhesive or glue waste containing organic solvents excluding solid polymeric materials	SW303	1,728.49	0.03
42	Buangan fenol atau sebatian fenol termasuklah klorofenol dalam bentuk cecair atau enapcemar / Waste of phenols or phenol compounds including chlorophenol in the form of liquids or sludges	SW319	1,454.33	0.02
43	Diisiosianat terpakai dan sisa sebatian isosianat tidak termasuk bahan berpolimer pepejal daripada proses pengilangan busa / Spent di-isocyanates and residues of isocyanate compounds excluding solid polymeric material from foam manufacturing process	SW419	1,280.41	0.02
44	Buangan asbestos dalam bentuk enap cemar, debu atau gentian / Asbestos wastes in sludges, dust or fibre forms	SW201	449.61	0.01
45	Buangan yang mengandungi formadehid / Waste containing formaldehyde	SW320	398.83	0.01
46	Enap cemar dari tangki penyimpanan minyak mineral / Sludge from mineral oil storage tank	SW310	398.27	0.01
47	Enap cemar dari tangki minyak / Oil tankers sludges	SW308	368.08	0.01
48	Buangan yang terhasil daripada penyediaan dan pengeluaran barangan farmaseutikal / Waste arising from the preparation and production of pharmaceutical product	SW405	361.18	0.01
49	Dadach terbuang yang mengandungi bahan psikotrofik atau yang mengandungi bahan yang bertoksik berbahaya, karsinogenik, mutagenik atau teratogenik / Discarded drugs containing psychotropic substances or containing substances that are toxic, harmful, carcinogenic, mutagenic or teratogenic	SW403	336.37	0.01
50	Asid organik terpakai dengan pH yang kurang daripada atau sama dengan 2 yang mengakis atau berbahaya / Spent organic acids with pH less or equal to 2 which are corrosive or hazardous	SW301	256.82	0.00
51	Bahan kimia makmal yang usang / Obsolete laboratory chemicals	SW430	173.72	0.00

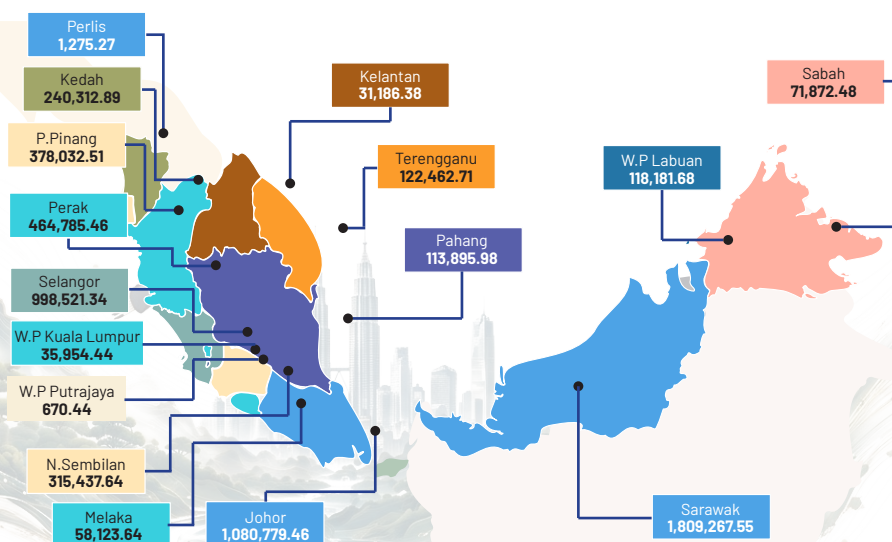
6 (b): Jumlah Buangan Terjadual yang Dihasilkan mengikut Kod Kategori Buangan Terjadual, 2025

6 (b): Quantity of Scheduled Waste Generated by Scheduled Waste Category Code, 2025

BIL/ NO.	NAMA BUANGAN/ WASTE NAME	KOD BUANGAN/ WASTE CODE	MT/ TAHUN / MT/YEAR	PERATUS (%) / PERCENTAGE (%)
52	Buangan, bahan dan artikel yang mengandungi atau yang dicemari dengan bifenil terpoliklorin (BFT) atau trifenil terpoliklorin (TFT) / Waste, substances and articles containing or contaminated with polychlorinated biphenyls (PCB) or polychlorinated triphenyls (PCT)	SW318	168.00	0.00
53	Buangan sisa penyulingan tidak berair terhalogen atau bukan terhalogen yang terhasil daripada proses pemerolehan kembali pelarut organik / Waste of halogenated or unhalogenated nonaqueous distillation residues arising from organic solvents recovery process	SW324	130.75	0.00
54	Buangan terjadual tidak boleh bergerak termasuklah enap cemar yang ditetapkan secara kimia, dikapsulkan, dipejalkan atau distabilkan / Immobilized scheduled wastes including chemically fixed, encapsulated, solidified or stabilized sludges	SW203	116.07	0.00
55	Buangan fluks yang mengandungi campuran asid organik, pelarut atau sebatian ammonium klorida / Flux waste containing mixture of organic acids, solvents or compounds of ammonium chloride	SW302	108.15	0.00
56	Tanah yang dicemari minyak daripada penapisan semula minyak pelincir terpakai / Oil contaminated earth from re-refining of used lubricating oil	SW313	74.09	0.00
57	Produk yang tidak mengikut spesifikasi daripada pengeluaran, formulasi, perdagangan, atau penggunaan racun makhluk perosak, racun herba, atau biosid / Off-specification products from the production, formulation, trade or use of pesticides, herbicides or biocides	SW426	28.33	0.00
58	Buangan daripada pengeluaran, formulasi, perdagangan atau penggunaan racun makhluk perosak, racun herba atau biosid / Wastes from the production, formulation, trade or use of pesticides, herbicides or biocides	SW425	26.50	0.00
59	Buangan daripada pengilangan atau pemprosesan atau penggunaan bahan letupan / Waste from manufacturing or processing or use of explosives	SW431	26.16	0.00
60	Sisa daripada pemerolehan kembali likuor penjerukan asid / Residues from recovery of acid pickling liquor	SW106	25.85	0.00
61	Enap cemar galvanik / Galvanic sludges	SW105	17.59	0.00
62	Enap cemar asid / Acid sludges	SW316	16.14	0.00
63	Buangan yang mengandungi arsenik atau sebatianannya / Waste containing arsenic or its compound	SW101	12.06	0.00
64	Buangan yang mengandungi, yang terdiri daripada, atau yang dicemari dengan peroksida / Waste containing, consisting of or contaminated with, peroxides	SW432	10.32	0.00
65	Tar atau sisa bertar dari loji penapisan minyak atau loji petrokimia / Tar or tarry residues from oil refinery or petrochemical plant	SW315	9.73	0.00
66	Enap cemar yang mengandungi sianida / Sludges containing cyanide	SW412	8.45	0.00
67	Buangan daripada operasi pengawetan kayu yang menggunakan garam tidak organik yang mengandungi kuprum, kromium, atau arsenik daripada sebatian fluoride atau yang menggunakan sebatian yang mengandungi fenol berklorin atau kreosot / Wastes from wood preserving operation using inorganic salts containing copper, chromium or arsenic of fluoride compounds or using compound containing chlorinated phenol or creosote	SW428	5.26	0.00

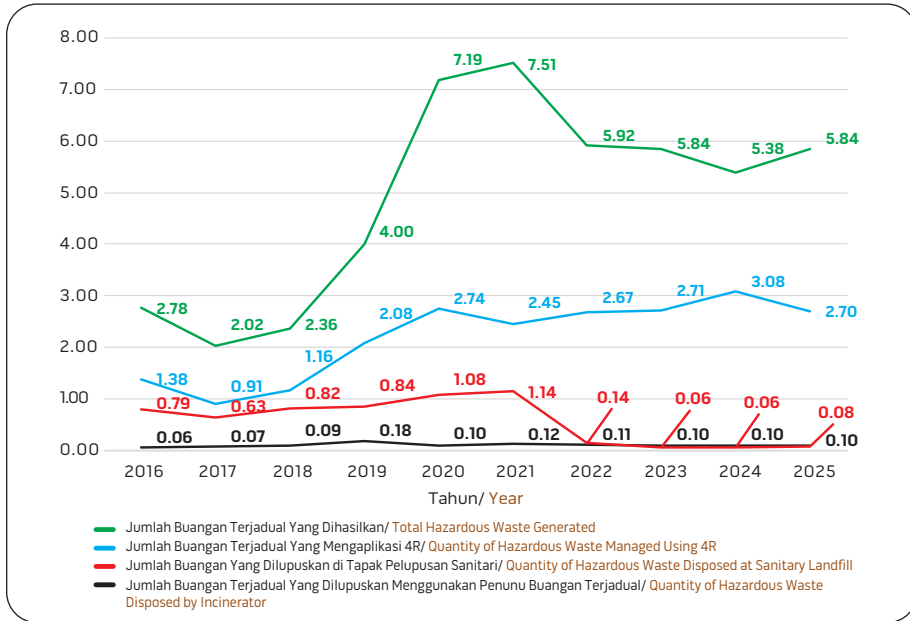
6 (b): Jumlah Buangan Terjadual yang Dihasilkan mengikut Kod Kategori Buangan Terjadual, 2025**6 (b): Quantity of Scheduled Waste Generated by Scheduled Waste Category Code, 2025**

BIL/ NO.	NAMA BUANGAN/ WASTE NAME	KOD BUANGAN/ WASTE CODE	MT/ TAHUN / MT/YEAR	PERATUS (%) / PERCENTAGE (%)
68	Agen pengoksidaan terpakai / Spent oxidizing agent	SW424	4.68	0.00
69	Sisa larutan resap daripada pemrosesan zink dalam bentuk debu dan enap cemar / Leaching residues from zinc processing in dust and sludges form	SW108	4.55	0.00
70	Buangan sebatian fosforus organik / Waste of organic phosphorus compound	SW326	1.33	0.00
71	Sanga daripada pemrosesan kuprum bagi pemrosesan lanjut atau penapisan yang mengandungi arsenic, plumbum, atau kadmium / Slags from copper processing for further processing or refining containing arsenic, lead or cadmium	SW107	0.68	0.00
72	Garam terpakai yang mengandungi sianida / Spent salt containing cyanide	SW413	0.12	0.00
73	Sebatian organologam terpakai termasuklah plumbum tetraetil, plumbum tetrametil dan sebatian organotimah / Spent organometallic compounds including tetraethyl lead, tetramethyl lead and organotin compounds	SW317	0.10	0.00
74	Kek tekan daripada prapengolahan lai sabun gliserol / Press cake from pretreatment of glycerol soap lye	SW304	0.07	0.00
75	Buangan yang mengandungi dioksin dan furan / Waste containing dioxins or furans	SW407	0.02	0.00
76	Minyak pelindapan terpakai yang mengandungi sianida / Spent quenching oils containing cyanides	SW415	0.00	0.00
77	Larutan resap dari tapak pelupusan buangan terjadual / Leachate from scheduled waste landfill	SW420	0.00	0.00
JUMLAH/TOTAL			5,840,761.85	100.00

6 (c): Penghasilan Buangan Terjadual (Tan Metrik) Mengikut Negeri 2025**6 (c): Distribution of Scheduled Waste (Metric Tonnes) Generated by State 2025**

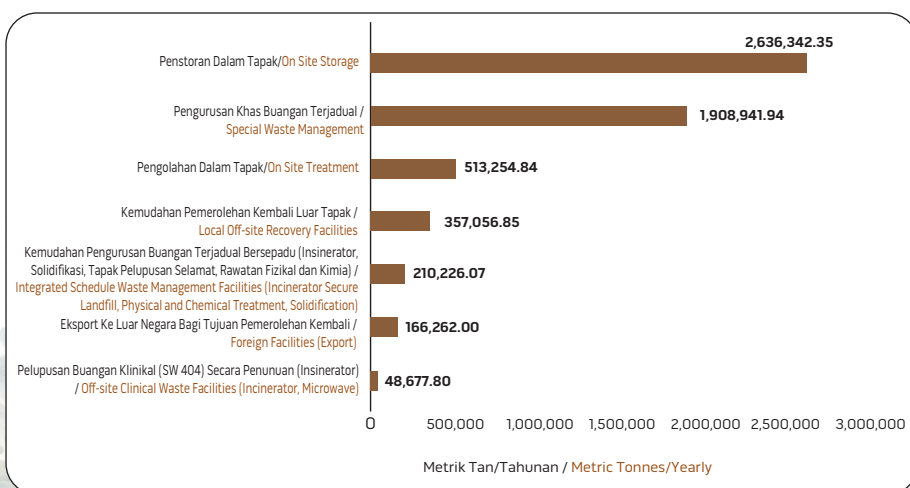
6 (d): Tren Pengurusan Buangan Terjadual, 2016-2025

6 (d): Scheduled Waste Management Trend, 2016-2025



6 (e): Kemudahan yang Mengendalikan Buangan Terjadual, 2025

6 (e): Facilities Handling Scheduled Waste, 2025

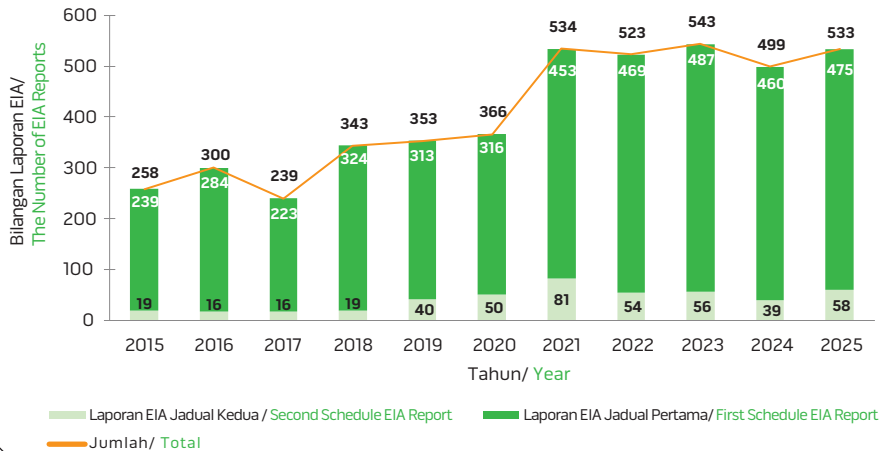


SEKSYEN 7: PEMBANGUNAN

SECTION 7: DEVELOPMENT

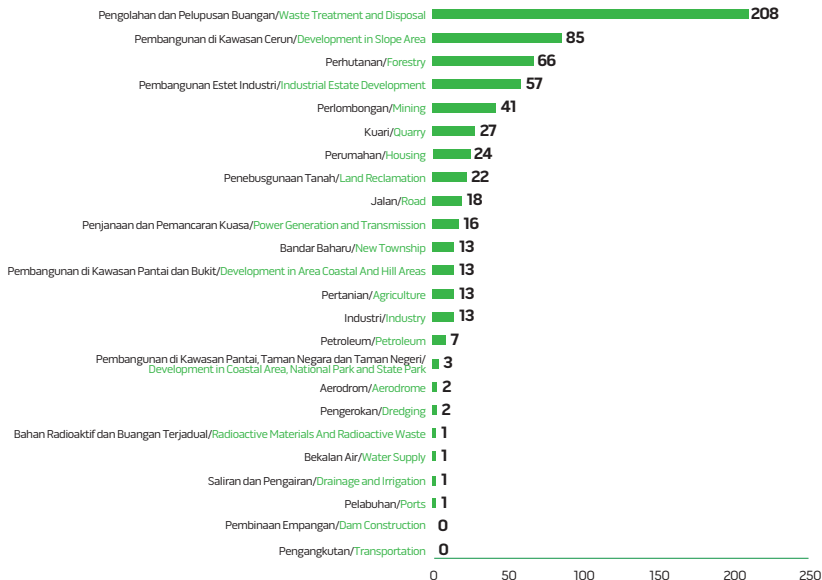
7 (a): Bilangan Laporan EIA yang Diterima mengikut Tahun bagi 10 Tahun Terkini

7 (a): The Number of EIA Reports Received by Years for the Last 10 Years



7 (b): Bilangan Laporan EIA yang Diterima mengikut Aktiviti yang Ditetapkan, 2025

7 (b): Number of EIA Reports Received by Prescribed Activities, 2025



7 (c): Bilangan Jururunding EIA

7 (c): Number of EIA Consultants

BIL./ NO.	KATEGORI/ CATEGORY	BILANGAN JURURUNDING/ NUMBERS OF CONSULTANT	PERATUSAN/ PERCENTAGE
1.	Jururunding EIA / EIA Consultant (C)	175	22.3
2.	Jururunding Subjek / Subject Consultant (CS)	93	11.8
3.	Pakar Subjek / Subject Specialist (SS)	263	33.4
4.	Pembantu Jururunding / Assistant Consultant (AC)	237	30.2
5.	Pembantu Jururunding & Pakar Subjek / Assistant Consultant & Subject Specialist (ACS)	18	2.3
JUMLAH/ TOTAL		786	100

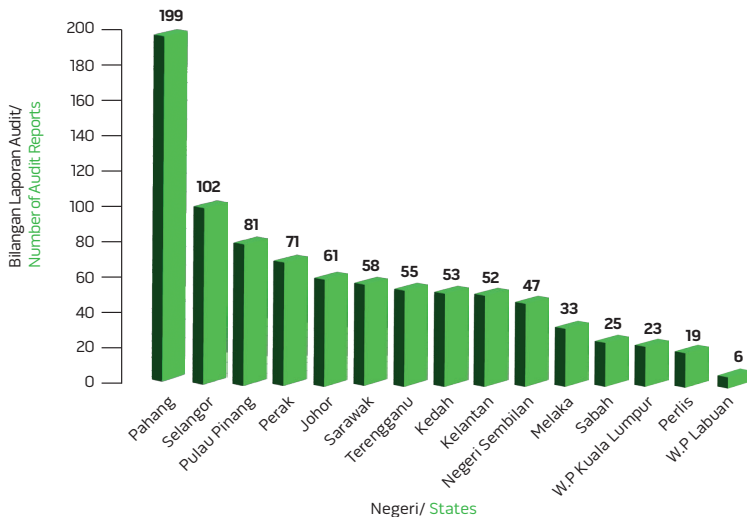
7 (d): Jumlah Permohonan Juruaudit Alam Sekitar yang Diluluskan bagi Tahun 2025

7 (d): Number of Approved Environmental Auditor Applications in 2025

JENIS PERMOHONAN/ TYPES OF APPLICANTS	JUMLAH PERMOHONAN/ NO. OF APPLICANTS	JUMLAH LULUS/ NO. OF APPLICATIONS APPROVED	PERATUSAN LULUS/ PERCENTAGE APPROVED
Baharu / New	14	12	85.7 %
Pembaharuan / Renew	52	44	84.6 %

7 (e): Bilangan Audit Alam Sekeliling bagi Projek EIA mengikut Negeri, 2025

7 (e): Number of Environmental Audits for EIA Projects by State, 2025

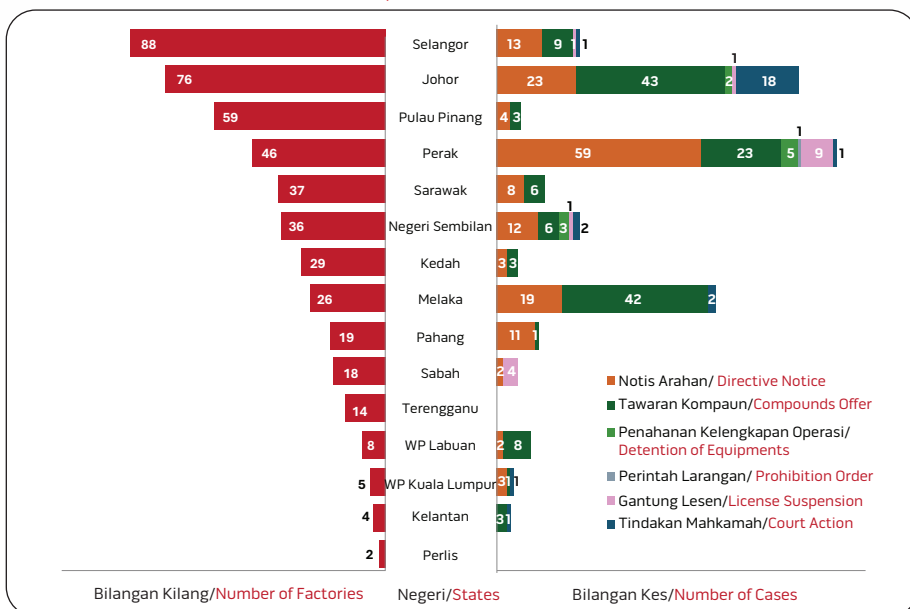


SEKSYEN 8: PENGUATKUASAAN

SECTION 8: ENFORCEMENT

8(a): Bilangan Kemudahan Pengolahan dan Pelupusan Buangan Terjadual dan Tindakan Undang-Undang terhadap Kemudahan Pengolahan dan Pelupusan Buangan Terjadual, 2025

8(a): Number and Legal Actions Againsts Facilities for the Treatment and Disposal Facilities of Scheduled Wastes, 2025

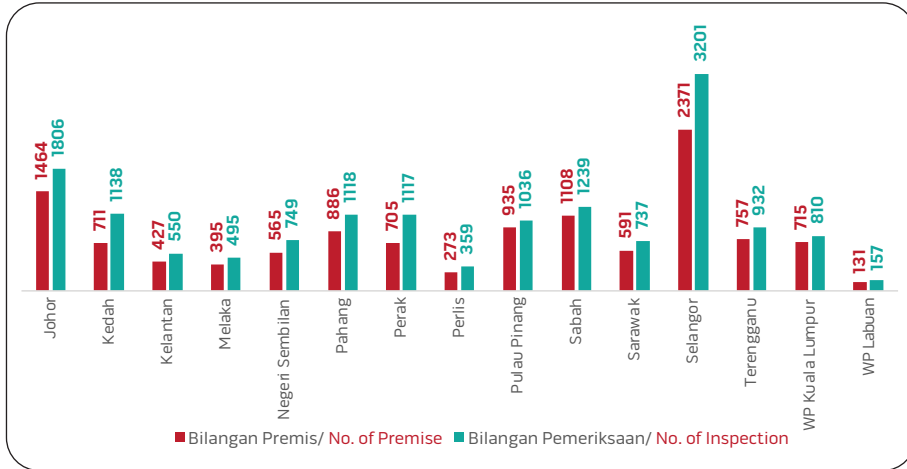


8(b): Tindakan Penguatkuasaan terhadap Kemudahan Pengolahan dan Pelupusan Buangan Terjadual, 2025

8(b): Enforcement Actions Againsts Facilities for the Treatment and Disposal Facilities of Scheduled Wastes, 2025

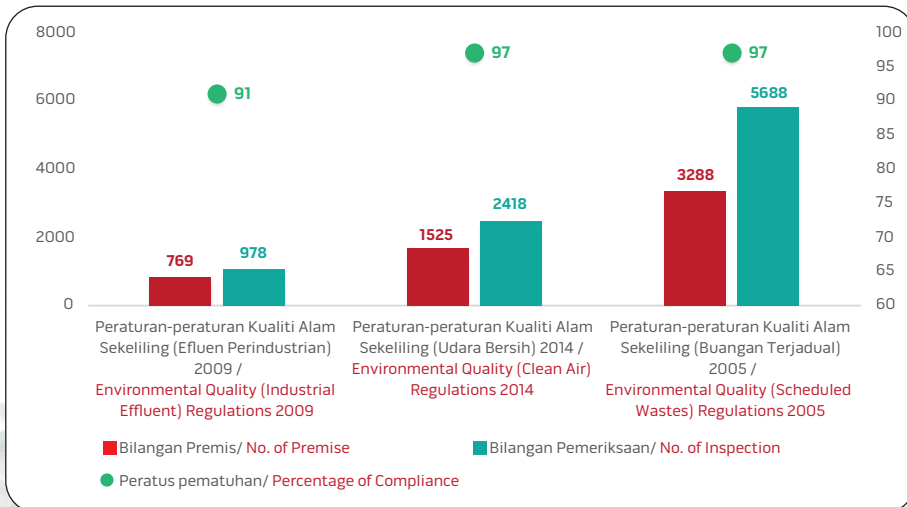


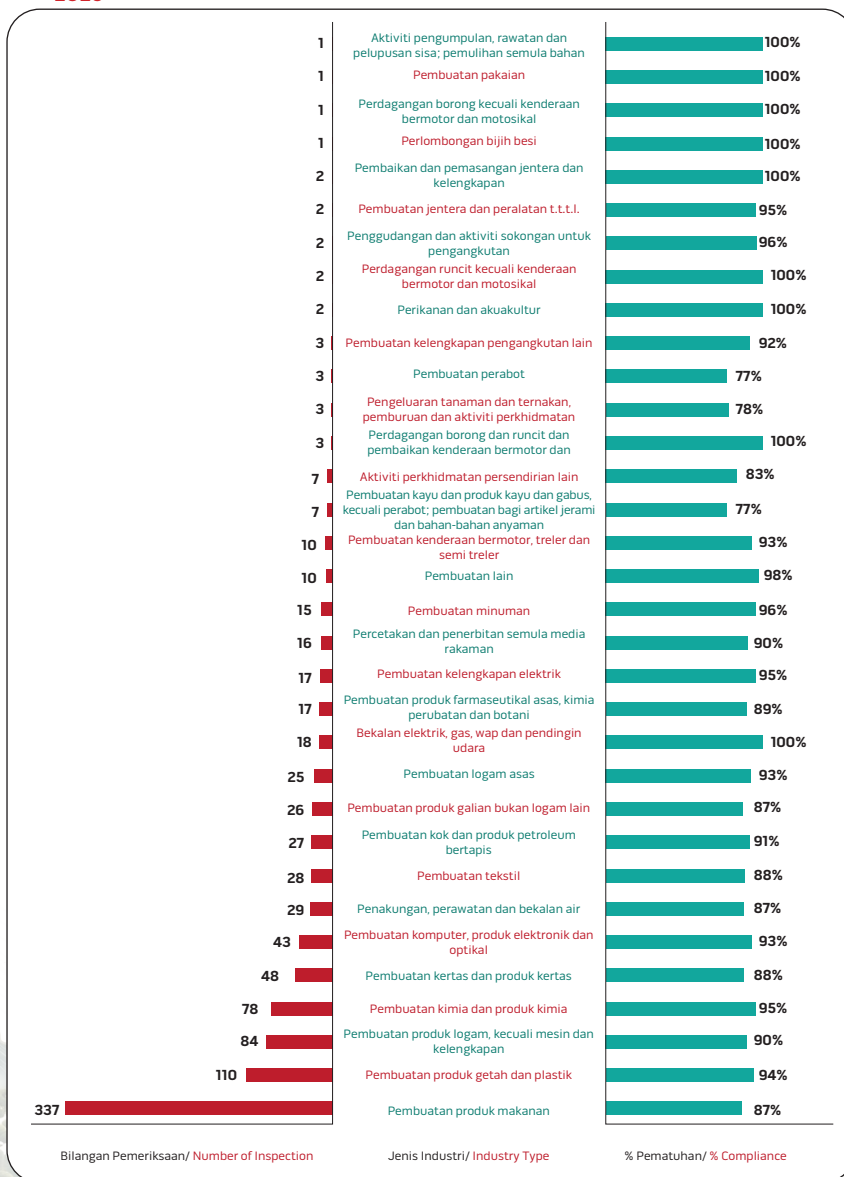
8 (c): Bilangan Pemeriksaan dan Bilangan Premis yang Bukan Ditetapkan, 2025
8 (c): Number of Inspections and Premises Inspected On Non-Prescribed Premises, 2025



8(d) : Bilangan Premis, Pemeriksaan dan Peratus Pematuhan Premis yang Bukan Ditetapkan, 2025

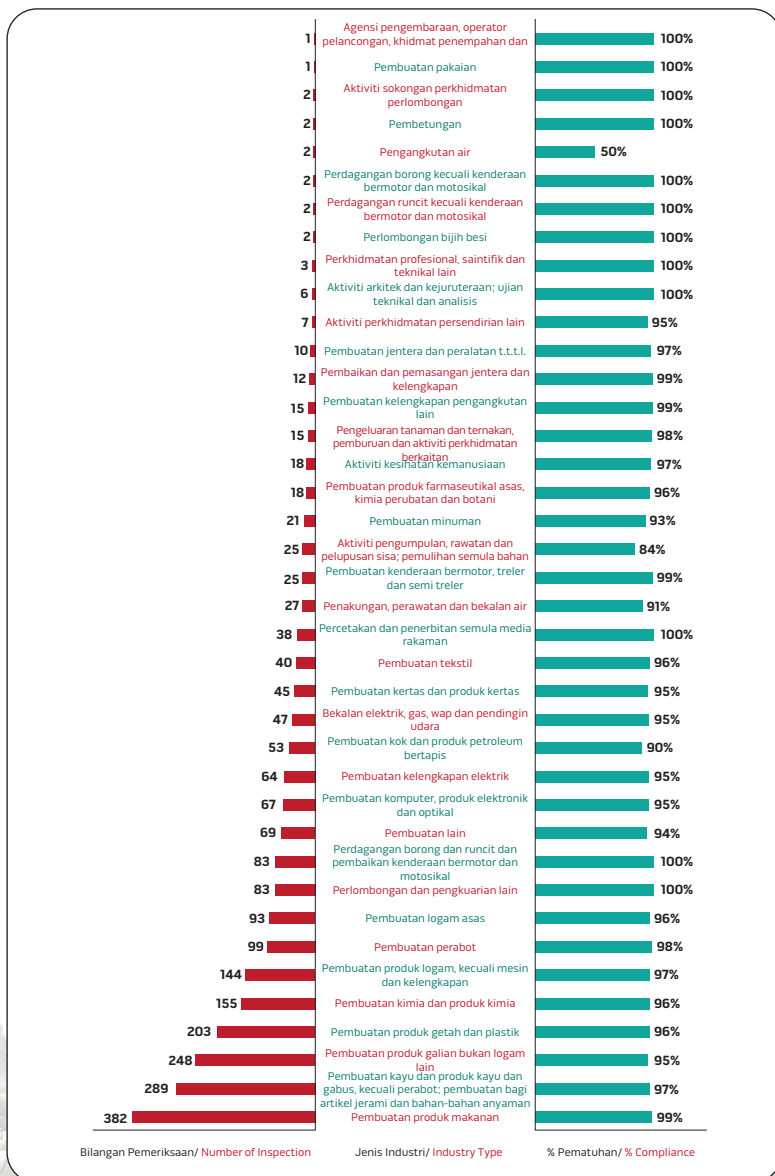
8(d): Number of Premises, Inspections, and Compliance Percentage of Non-Prescribed Premises, 2025



8 (e): Status Pematuhan Industri terhadap Peraturan-Peraturan Kualiti Alam Sekeliling (Efluen Perindustrian) 2009, 2025**8 (e): Compliance Status to the Environmental Quality (Industrial Effluent) Regulations 2009, 2025**

8 (f): Status Pematuhan Industri terhadap Peraturan-Peraturan Kualiti Alam Sekeliling (Udara Bersih) 2014, 2025

8 (f): Compliance Status to the Environmental Quality (Clean Air) Regulations 2014, 2025



8 (g): Status Pemuatan Industri terhadap Peraturan-Peraturan Kualiti Alam Sekeliling (Buangan Terjadual) 2005, 2025**8 (g): Compliance Status to the Environmental Quality (Scheduled Wastes) Regulations 2005, 2025**

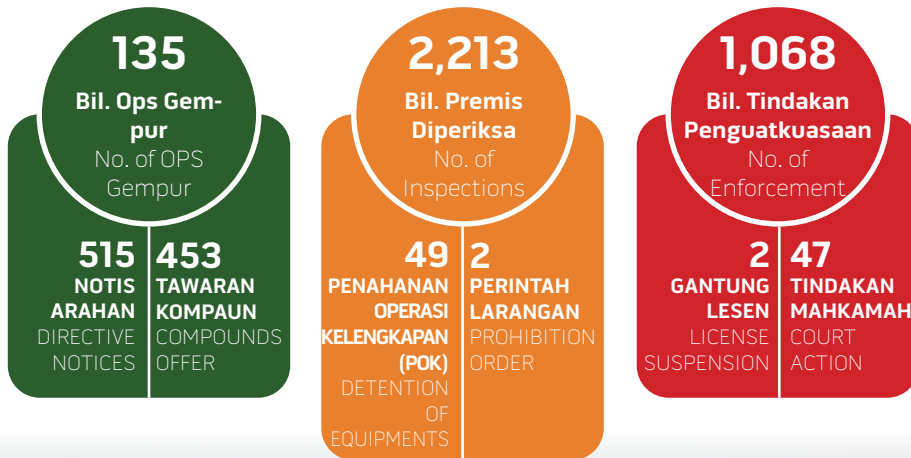
8(h) : Tindakan Penguatkuasaan yang Telah Diambil ke Atas Premis, 2025

8(h) : Enforcement Actions Taken on Premises, 2025



8(i): Tindakan Penguatkuasaan melalui Ops Gempur yang telah Diambil oleh JAS pada Tahun 2025

8(i): Summary of Enforcement Actions Taken Through Ops Gempur by DOE in 2025



SEKSYEN 9: PROGRAM KESEDARAN DAN PENDIDIKAN ALAM SEKITAR

SECTION 9: ENVIRONMENTAL EDUCATION AND AWARENESS PROGRAM

9 (a): Pencapaian Program CEPA JAS Tahun 2025

9 (a): Achievements of the DOE CEPA Program in 2025

CERAMAH ALAM SEKITAR

Jumlah Sasaran	300
Jumlah Pencapaian	513
Jumlah Outreach	256,807

PENDAFTARAN AHLI RAS

Jumlah Sasaran	12,000
Jumlah Pencapaian	19,441

PROGRAM KESEDARAN BERSAMA AHLI RAS

Jumlah Sasaran	80
Jumlah Pencapaian	432

SEMINAR/ BENGKEL/ TAKLIMAT/ WEBINAR/BICARA EKSKLUSIF/ TEMUBUAL

Jumlah Sasaran	80
Jumlah Pencapaian	346
Jumlah Outreach	165,027

HEBAHAN MELALUI MEDIA MASSA (ELEKTRONIK & CETAK)

Jumlah Sasaran	384
Jumlah Pencapaian	626

HEBAHAN MELALUI MEDIA SOSIAL (FB, X, INSTAGRAM, TIKTOK, YOUTUBE)

Jumlah Sasaran	960
Jumlah Pencapaian	2,133

Jumlah Sasaran	15
Jumlah Pencapaian	18

SUMBANGAN ARTIKEL

Jumlah Sasaran	30
Jumlah Pencapaian	54

PROGRAM BOOK REVIEW

Jumlah Sasaran	15
Jumlah Pencapaian	28

CONTENT VR

Jumlah Sasaran	32
Jumlah Pencapaian	441

PENERBITAN VIDEO

Jumlah Sasaran	60
Jumlah Pencapaian	224
Jumlah Outreach	164,918

AKTIVITI KESEDARAN MENEGAH PENCEMARAN

Jumlah Sasaran	32
Jumlah Pencapaian	205
Jumlah Outreach	110,354

HARI OZON

**SAMBUTAN
HARI ALAM
SEKITAR
NEGARA**

Jumlah Sasaran	80
Jumlah Pencapaian	216
Jumlah Outreach	567,930

**SAMBUTAN
HARI ALAM
SEKITAR
DUNIA**

Jumlah Sasaran	48
Jumlah Pencapaian	189
Jumlah Outreach	110,542

**PENGUMPULAN
BEE/ E-WASTE**

Jumlah Sasaran	180
Jumlah Pencapaian	781
Jumlah Outreach	261,127
Kuantiti	481,025.36 KG

**SEKOLAH
LESTARI
ANUGERAH
ALAM SEKITAR**

Jumlah Sasaran	350
Jumlah Pencapaian	1,589
Jumlah Outreach	724,656

**SAMBUTAN
HARI BUMI**

Jumlah Sasaran	48
Jumlah Pencapaian	150
Jumlah Outreach	143,959

Jumlah Sasaran	80
Jumlah Pencapaian	346
Jumlah Outreach	335,449

**PAMERAN
ALAM
SEKITAR**

Jumlah Sasaran	96
Jumlah Pencapaian	568

**KERJASAMA
DENGAN
RAKAN
STRATEGIK**

Jumlah Sasaran	828
Jumlah Pencapaian	1,700

**MUATNAIK
BAHAN/
MAKLUMAT
DALAM EDL**

Jumlah Sasaran	2760
Jumlah Pencapaian	2,628

**MUATNAIK
BAHAN/
MAKLUMAT
DALAM GALERI
GAMBAR**

SEKSYEN 9: PROGRAM KESEDARAN
DAN PENDIDIKAN ALAM SEKITAR
SECTION 9: ENVIRONMENTAL
EDUCATION AND AWARENESS
PROGRAM



9 (b): Pencapaian Program CEPA JAS Ibu Pejabat Tahun 2025

9 (b): Achievements of the DOE Headquarter CEPA Program in 2025

JAS IBU PEJABAT

AKTIVITI KESEDARAN

- Hari Alam Sekitar Sedunia
 - Hari Bumi
 - Hari Ozon
- Pameran Alam Sekitar
 - Webinar
- Ceramah Alam Sekitar
- Seminar/ Bengkel/ Taklimat
- Bicara Eksekutif/ Bicara Santai/ Temu Bual

JUMLAH AKTIVITI 129

JUMLAH OUTREACH 527,055

KERJASAMA DENGAN RAKAN STRATEGIK



9

JUMLAH RAKAN STRATEGIK

PENERBITAN VIDEO



JUMLAH VIDEO 124

PENDAFTARAN AHLI DAN PROGRAM
KESEDARAN BERSAMA AHLI RAS

72

JUMLAH ORANG



5

JUMLAH PROGRAM
KESEDARANHEBAHAN MELALUI MEDIA MASSA DAN
MEDIA SOSIAL

378

JUMLAH HEBAHAN

MUAT NAIK BAHAN/ MAKLUMAT
DALAM EDL DAN GALERI GAMBAR

EDL 548

GALERI GAMBAR 625

JABATAN ALAM SEKITAR

9 (c): Pencapaian Program CEPA JAS Negeri Tahun 2025
9 (c): Achievements of the DOE State CEPA Program in 2025

JAS NEGERI

AKTIVITI KESEDARAN

- Hari Alam Sekitar Sedunia
 - Hari Bumi
 - Hari Ozon
- Program Pengumpulan BEE/ e-Waste
- Aktiviti Kesedaran Mencegah Pencemaran
 - Pameran Alam Sekitar
 - Ceramah Alam Sekitar
- Seminar/ Bengkel/ Taklimat

JUMLAH AKTIVITI 3,268

JUMLAH OUTREACH 1,589,058

PENDAFTARAN AHLI DAN PROGRAM KESEDARAN BERSAMA AHLI RAS



1,589

JUMLAH ORANG



755,197

JUMLAH PROGRAM KESEDARAN

PENYERTAAN SEKOLAH DALAM PROGRAM SEKOLAH LESTARI ANUGERAH ALAM SEKITAR



1,589
BILANGAN
SEKOLAH

755,197
JUMLAH
OUTREACH

KERJASAMA DENGAN RAKAN STRATEGIK



559

JUMLAH RAKAN STRATEGIK

HEBAHAN MELALUI MEDIA MASSA DAN MEDIA SOSIAL



2,381

JUMLAH HEBAHAN

PROGRAM BOOK REVIEW



54

JUMLAH BOOK REVIEW

SUMBANGAN ARTIKEL ILMIAH



18

JUMLAH ARTIKEL ILMIAH

CONTENT VR



28

JUMLAH CONTENT

MUAT NAIK BAHAN/ MAKLUMAT DALAM EDL DAN GALERI GAMBAR



EDL 1,175

GALERI GAMBAR 1,879

PENERBITAN VIDEO



JUMLAH VIDEO
PENDEK 124

JUMLAH VIDEO
DOKUMENTARI 223

SEKSYEN 10: PENGURUSAN SUMBER MANUSIA, PENGURUSAN ASET, LATIHAN DAN KOMPETENSI

SECTION 10: HUMAN RESOURCE, ASSET MANAGEMENT, TRAINING & COMPETENCY

10 (a): Maklumat Pengurusan Sumber Manusia JAS 2025

10 (a): DOE Human Resources Management Information 2025

PERATUSAN PENGISIAN PERJAWATAN
THE PERCENTAGE OF OCCUPANCY

94.87%

Perjawatan JAS sehingga
31 Disember 2025/
Occupancy as at of
31st December 2025

Jumlah perjawatan:
Positions:
1,520

Kekosongan
yang diisi:
Occupied:
1,442

Kekosongan:
Vacancy:
78

PERATUSAN PEGAWAI MENGHADIRI KURSUS /
THE PERCENTAGE OF OFFICERS WHO ATTENDED COURSES

100%

Semua pegawai JAS telah menghadiri kursus selama 5 hari dan lebih pada tahun 2025/
All DOE officers attended courses for 5 days or more in 2025

ANUGERAH PERKHIDMATAN CEMERLANG /
EXCELLENT SERVICE AWARDS (ESA)

112 orang pegawai JAS menerima APC pada
tahun penilaian 2024 / 112 DOE officers
received ESA in the evaluation year of 2024

Majlis APC Jabatan Alam Sekitar 2024
telah diadakan pada 6 Mei 2025 /
The Department of Environment ESA
2024 event was held on 6th May 2025

Pecahan Pegawai JAS Mengikut Jantina
Breakdown Of DOE Officers By Gender

791
LELAKI/ MALE

651
WANITA/ FEMALE

Pecahan Mengikut Perjawatan Pegawai
Breakdown of Positions

PEGAWAI TEKNIKAL /
TECHNICAL OFFICERS

1,113

PEGAWAI BUKAN TEKNIKAL/
NON-TECHNICAL OFFICERS

407

10 (b): Belanja Mengurus 2025
10 (b): Operating Expenditure 2025

OBJEK AM (OA) GENERAL OBJECT	PERIHAL OBJEK AM DESCRIPTION OF GENERAL OBJECT	PERUNTUKAN DILULUSKAN APPROVED ALLOCATION (RM)	PERUNTUKAN DIPINDA AMENDED ALLOCATION (RM)
10000	Emolumen / Emolument	98,917,300.00	104,888,300.00
20000	Perkhidmatan & Bekalan / Services and Supplies	29,276,000.00	29,912,344.00
30000	Aset / Assets	1,050,000.00	2,062,965.00
40000	Pemberian dan Kenaan Bayaran Tetap / Grants and Fixed Charges	1,200,000.00	1,184,691.00
JUMLAH KESELURUHAN / OVERALL TOTAL		130,443,300.00	138,048,300.00

SEKSYEN 10: PENGURUSAN
 SUMBER MANUSIA, PENGURUSAN
 ASET, LATIHAN DAN KOMPETENSI
 SECTION 10: HUMAN RESOURCE,
 ASSET MANAGEMENT, TRAINING &
 COMPETENCY

10 (c): Perbelanjaan Pembangunan JAS 2025
10 (c): Development Expenditure of DOE in 2025



RM
84,300,000.00
**PERUNTUKAN/
 BUDGET ALLOCATION**



99.52%
**PERBELANJAAN/
 EXPENDITURE**



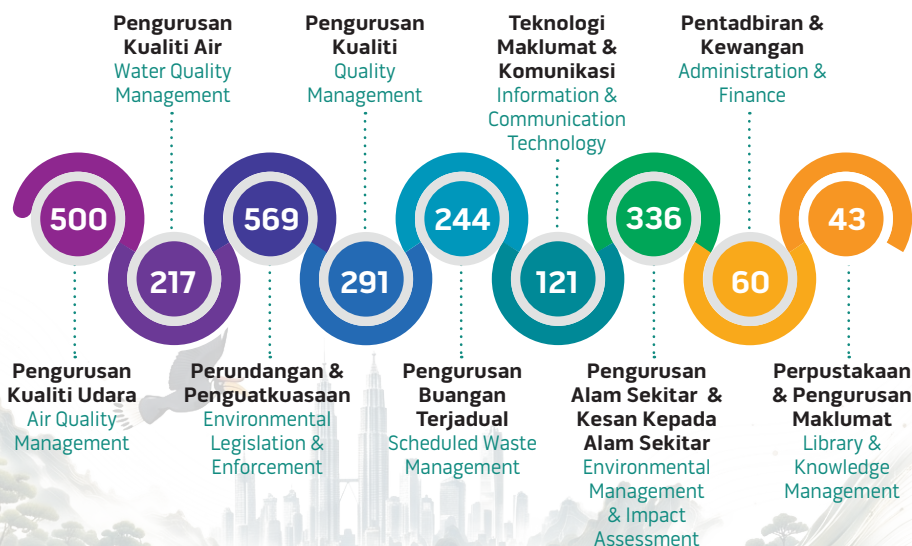
10 (d): Program Latihan EiMAS kepada Pegawai dan Kakitangan JAS 2025

10 (d): EiMAS Training Programmes for DOE Staff 2025



10 (e): Bilangan Peserta JAS mengikut Kategori Kursus

10 (e): Number of DOE Participants by Course Category



10 (f): Pegawai Industri Dilatih mengikut Kursus Kompetensi, 2025

10 (f): Number of Industry Personnel Trained According to Types of Competency Courses, 2025

BIL.	PENGURUSAN ALAM SEKITAR DAN KESAN KEPADA ALAM SEKITAR / ENVIRONMENTAL MANAGEMENT AND IMPACT ASSESSMENT	BIL. PENGANJURAN KURSUS	PESERTA/ PARTICIPANTS
1.	(CePBF0) Kursus Profesional Alam Sekitar Bertauliah Dalam Pengoperasian Penapis Beg Course For Certified Environmental Professional in Bag Filters Operation	28	527
2.	(CePSO) Kursus Profesional Alam Sekitar Bertauliah Dalam Pengoperasian Penggahar Course For Certified Environmental Professional in Scrubbers' Operation	21	409
3.	(CePIETSO BP) Kursus Profesional Alam Sekitar Bertauliah Dalam Pengoperasian Sistem Efluen Perindustrian (Proses Biologiikal) Course on Certified Environmental Professional in The Operation of Industrial Effluent Treatment Systems (Biological Treatment Process)	16	331
4.	(CePLTPO) Kursus Profesional Alam Sekitar Bertauliah Dalam Pengoperasian Loji Rawatan Larut Resap Course For Certified Environmental Professional in Leachate Treatment Plant Operation	2	26
5.	(CePIETSO – PCP) Kursus Profesional Alam Sekitar Bertauliah Dalam Pengoperasian Sistem Efluen Perindustrian (Proses Kimia) Course For Certified Environmental Professional in The Operation of Industrial Effluent Treatment Systems (Physical Chemical Treatment Process)	30	620
6.	(CePSWaM) Kursus Profesional Alam Sekitar Bertauliah Dalam Pengurusan Buangan Terjadual Course For Certified Environmental Professional in Scheduled Waste Management	95	2,698
7.	(CePSTPO) Kursus Profesional Alam Sekitar Bertauliah Dalam Pengoperasian Sistem Rawatan Kumbahan Course For Certified Environmental Professional in Sewage Treatment Plant Operation	9	201
8.	(CePPOME) Kursus Profesional Alam Sekitar Bertauliah Dalam Pengoperasian Sistem Rawatan Efluen Kilang Kelapa Sawit Course For Certified Environmental Professional in The Treatment of Palm Oil Mill Effluent (Pond Processes)	5	99

SEKSYEN 10: PENGURUSAN
SUMBER MANUSIA, PENGURUSAN
ASET, LATIHAN DAN KOMPETENSI
SECTION 10: HUMAN RESOURCE,
ASSET MANAGEMENT, TRAINING &
COMPETENCY

BIL.	PENGURUSAN ALAM SEKITAR DAN KESAN KEPADA ALAM SEKITAR / ENVIRONMENTAL MANAGEMENT AND IMPACT ASSESSMENT	BIL. PENGANJURAN KURSUS	PESERTA/ PARTICIPANTS
9.	(CePEOEIA) Kursus Profesional Pegawai Alam Sekitar bagi Projek EIA Certified Professional Environmental Officer in EIA Project	3	105
10.	(COSWaM) Kursus Operator Bertauliah dalam Pengurusan Buangan Terjadual Course for Certified Operator in Scheduled Waste Management	12	392
JUMLAH/TOTAL			5408

10 (g): Bilangan Kursus Pensijilan Industri yang Dianjurkan, 2025

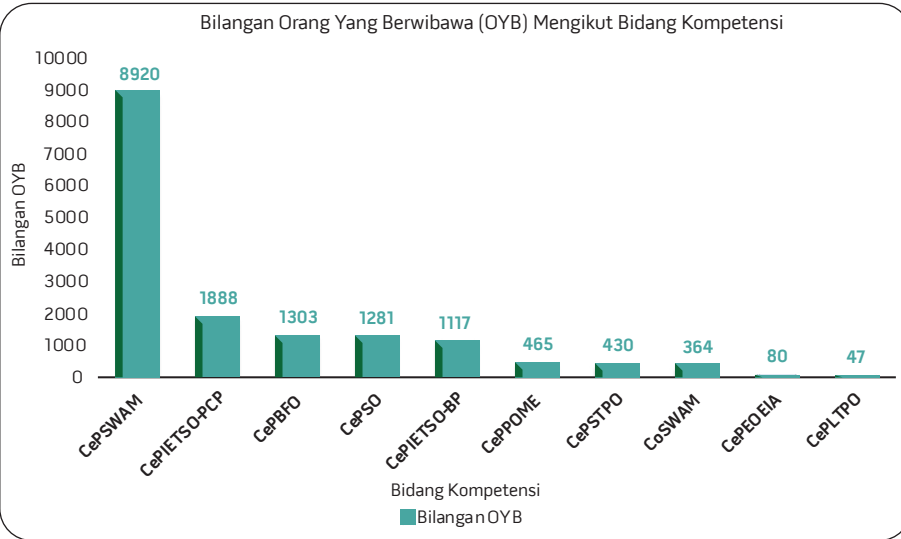
10 (g): Number of Industry Certification Courses Conducted, 2025



Petunjuk / Legend

CePBFO - Course For Certified Environmental Professional in Bag Filter Operation
 CePSO - Course For Certified Environmental Professional in Scrubbers' Operation
 CePIETSO BP - Course For Environmental Professional in The Operation of Industrial Effluent Treatment Systems (Biological Treatment Process)
 CePLTPO - Course For Certified Environmental Professional in Leachate Treatment Plant Operation
 CePIETSO - PCP - Course For Certified Environmental Professional in The Operation of Industrial Effluent Treatment System (Physical Chemical Treatment Process)
 CePSWaM - Course For Certified Environmental Professional in Scheduled Waste Management
 CePSTPO - Course For Certified Environmental Professional in Sewage Treatment Plant Operation
 CePPOME - Course For Certified Environmental Professional in The Treatment Palm Oil Mill Effluent
 CePEOEIA - Certified Professional Environmental Officer in EIA Project

10 (h): Bilangan Orang yang Berwibawa (OYB) Pegawai Industri di Malaysia Mengikut Jenis Pensijilan pada 31 Disember 2025
10 (h): Number of Competent Persons of Industry Personnel in Malaysia according to Type of Certification as of 31 December 2025

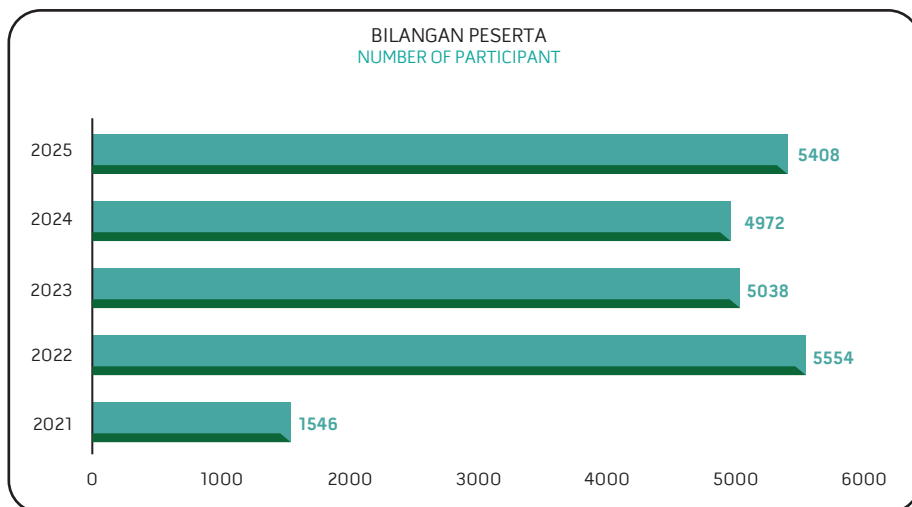


Petunjuk / Legend

CePBFO - Course For Certified Environmental Professional in Bag Filter Operation
 CePSO - Course For Certified Environmental Professional in Scrubbers' Operation
 CePIETSO BP - Course For Environmental Professional in The Opera- tion of Industrial Effluent Treatment Systems (Biological Treatment Process)
 CePLTPO - Course For Certified Environmental Professional in Leachate Treatment Plant Operation
 CePIETSO – PCP - Course For Certified Environmental Professional in The Operation of Industrial Effluent Treatment System (Physical Chemical Treatment Process)
 CePSWAM - Course For Certified Environmental Professional in Scheduled Waste Management
 CePSTPO - Course For Certified Environmental Professional in Sewage Treatment Plant Operation
 CePPOME - Course For Certified Environmental Professional in The Treatment Palm Oil Mill Effluent
 CePEOEIA - Certified Professional Environmental Officer in EIA Project

10 (i): Bilangan Kehadiran Peserta Kursus Pegawai Industri bagi 5 Tahun Terkini (2021 – 2025)

10 (i): Attendance of Industry Personnel as Course Participants for the Last 5 Years (2021 – 2025)



SEKSYEN 11: STATISTIK PENERBANGAN DRON BAGI TAHUN 2025

SECTION 11: DRONE FLIGHT STATISTICS 2025

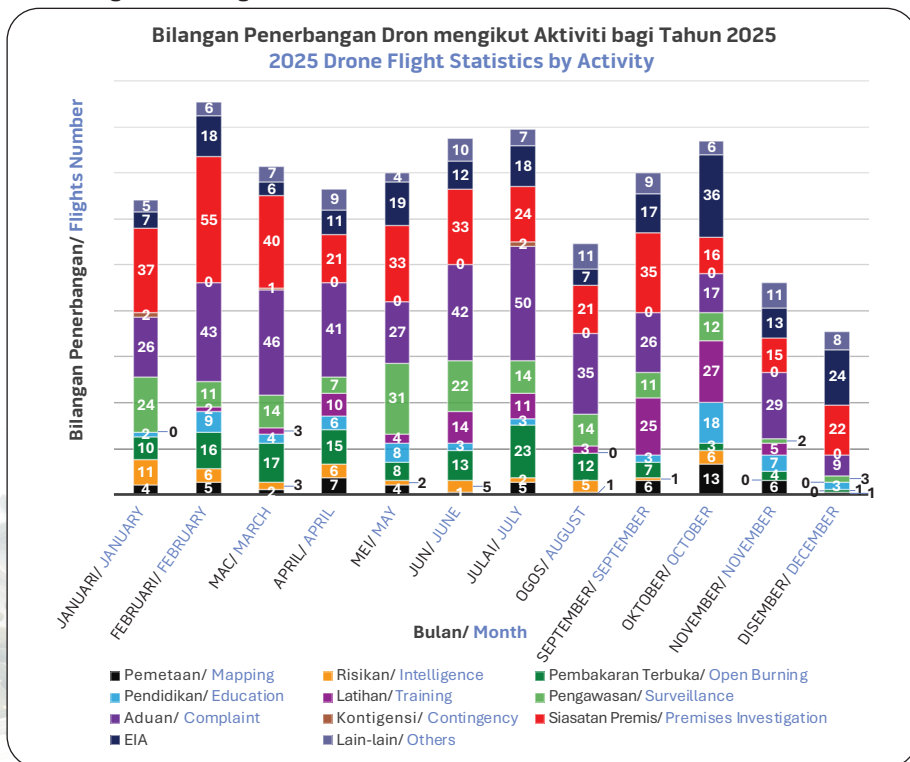
STATISTIK PENERBANGAN DRON BAGI TAHUN 2025 DRONE FLIGHT STATISTICS 2025

Pelaksanaan aplikasi Log Penerbangan dalam sistem GeoSpAS telah membolehkan aktiviti penerbangan dron direkod, dipantau dan disemak secara lebih sistematik oleh pegawai Jabatan Alam Sekitar (JAS). Kecekapan operasi ini diperkukuhkan lagi dengan penambahan 15 unit akses pengguna (*user type*) baharu pada tahun ini, yang secara langsung melancarkan proses pengisian data oleh para juruterbang dron.

The implementation of the Flight Log application within the GeoSpAS system has enabled Department of Environment (DOE) officers to record, monitor, and audit drone operations more systematically. This operational efficiency was further enhanced by the addition of 15 new user access units this year, streamlining the data entry process for drone pilots.

Berikut adalah statistik penerbangan dron yang direkodkan melalui Aplikasi Log Penerbangan Dron bagi tahun 2025:

The following are the drone flight statistics recorded through the Flight Log Application for the year 2025:



SEKSYEN 11: STATISTIK PENERBANGAN
DRON BAGI TAHUN 2025
SECTION 11: DRONE FLIGHT
STATISTICS 2025

BULAN MONTH	PEMETAAN MAPPING	RISIKAN INTELLIGENCE	PEMBAKARAN TERBUKA OPEN BURNING	PENDIDIKAN EDUCATION	LATIHAN TRAINING	PENGAWASAN SURVEILLANCE	ADUAN COMPLAINT	KONTINGENSI CONTINGENCY	SASATAN PREMIS PREMISE INVESTIGATION	EIA	LAIN-LAIN OTHERS
Januari January	4	11	10	2	0	24	26	2	37	7	5
Februari February	5	6	16	9	2	11	43	0	55	18	6
Mac March	2	3	17	4	3	14	46	1	40	6	7
April April	7	6	15	6	10	7	41	0	21	11	9
Mei May	4	2	8	8	4	31	27	0	33	19	4
Jun June	1	5	13	3	14	22	42	0	33	12	10
Julai July	5	2	23	3	11	14	50	2	24	18	7
Ogos August	1	5	12	0	3	14	35	0	21	7	11
September September	6	1	7	3	25	11	26	0	35	17	9
Oktober October	13	6	3	18	27	12	17	0	16	36	6
November November	6	0	4	7	5	2	29	0	15	13	11
Disember December	1	0	1	3	0	3	9	0	22	24	8

STATISTIK PENGUNJUNG PORTAL JAS TAHUN 2025 STATISTIC OF DOE PORTAL VISITOR IN 2025

(1 JANUARI 2025 – 31 DISEMBER 2025)
(1 JANUARY 2025 – 31 DECEMBER 2025)



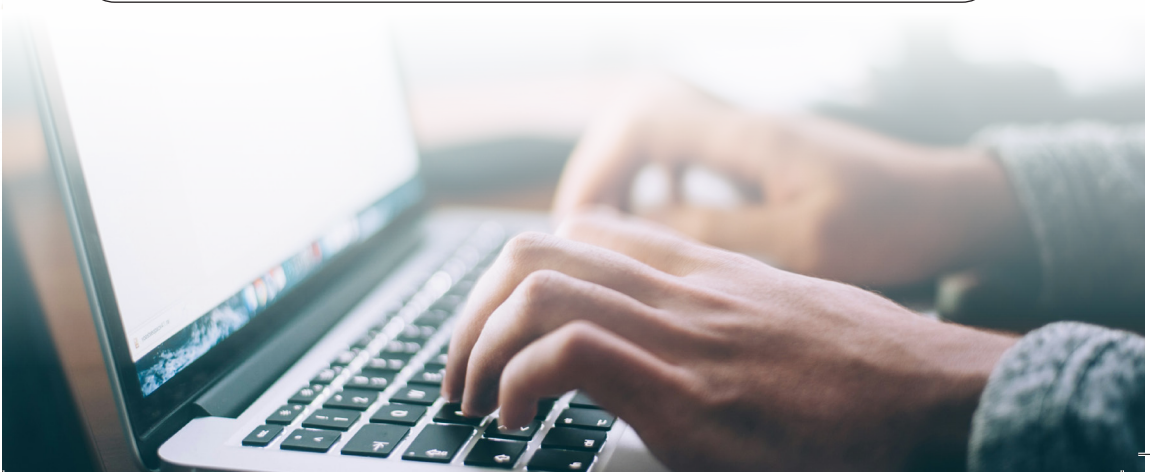
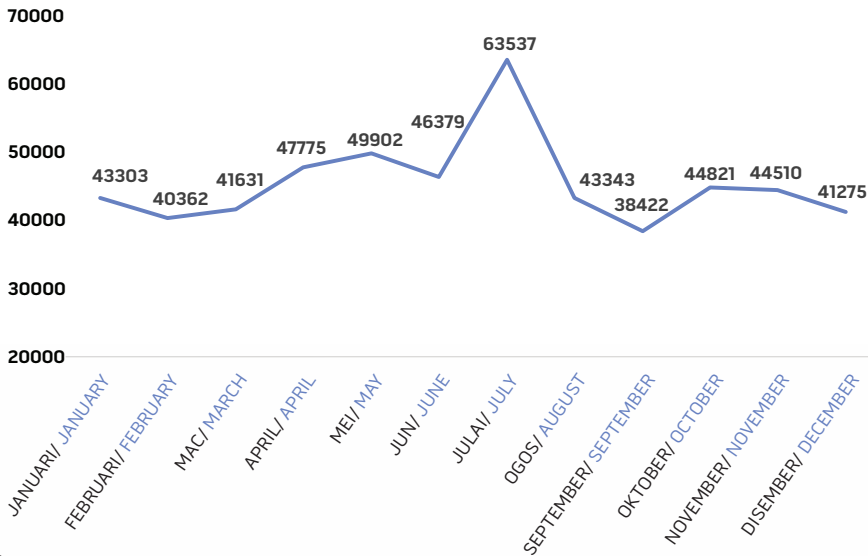
545,260

**JUMLAH KESELURUHAN
TOTAL VISITOR**



45,438

**PURATA BULANAN
MONTHLY AVERAGE**









KEMENTERIAN SUMBER ASLI
DAN KELESTARIAN ALAM
JABATAN ALAM SEKITAR

BUKU KOMPENDIUM JABATAN ALAM SEKITAR 2025

Jabatan Alam Sekitar,
Kementerian Sumber Asli dan Kelestarian Alam

Aras 1 - 4, Podium 2& 3,
Menara PETRA,
No.25, Persiaran Perdana, Presint 4
Pusat Pentadbiran Kerajaan Persekutuan
62574 Putrajaya, Malaysia

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