

A central graphic of a globe with a yellow and green color scheme, surrounded by various environmental icons such as wind turbines, solar panels, a family, trees, and buildings. The globe is the central focus, with the text overlaid on it.

BUKU KOMPENDIUM

JABATAN ALAM SEKITAR

2021

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PRAKATA

FOREWORD

ASSALAMU'ALAIKUM

Warahmatullahi Wabarakatuh dan Salam
Sejahtera

Saya mengucapkan setinggi-tinggi penghargaan atas kerjasama dan sumbangan yang telah diberikan oleh semua warga Jabatan Alam Sekitar yang membawa kepada penerbitan Buku Kompedium JAS 2021 ini.

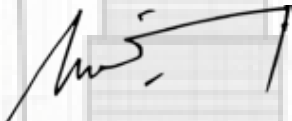
Buku Kompedium JAS ini adalah himpunan maklumat mengenai aktiviti JAS yang telah dijalankan sehingga berakhir Disember 2021.

Maklumat seperti kualiti udara, kualiti air sungai, kualiti air marin dan pulau-pulau, kualiti air tanah dan pengurusan bahan berbahaya boleh didapati dalam Buku Kompedium ini bagi tujuan kajian, rujukan atau pembelajaran.

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

Adalah diharapkan agar Kompedium ini dapat dimanfaatkan dan digunakan dengan sebaik mungkin oleh semua pihak.

Sekian, terima kasih.



WAN ABDUL LATIFF BIN WAN JAFFAR
Ketua Pengarah Jabatan Alam Sekitar
Director-General Department of Environment



JABATAN ALAM SEKITAR : PENGENALAN

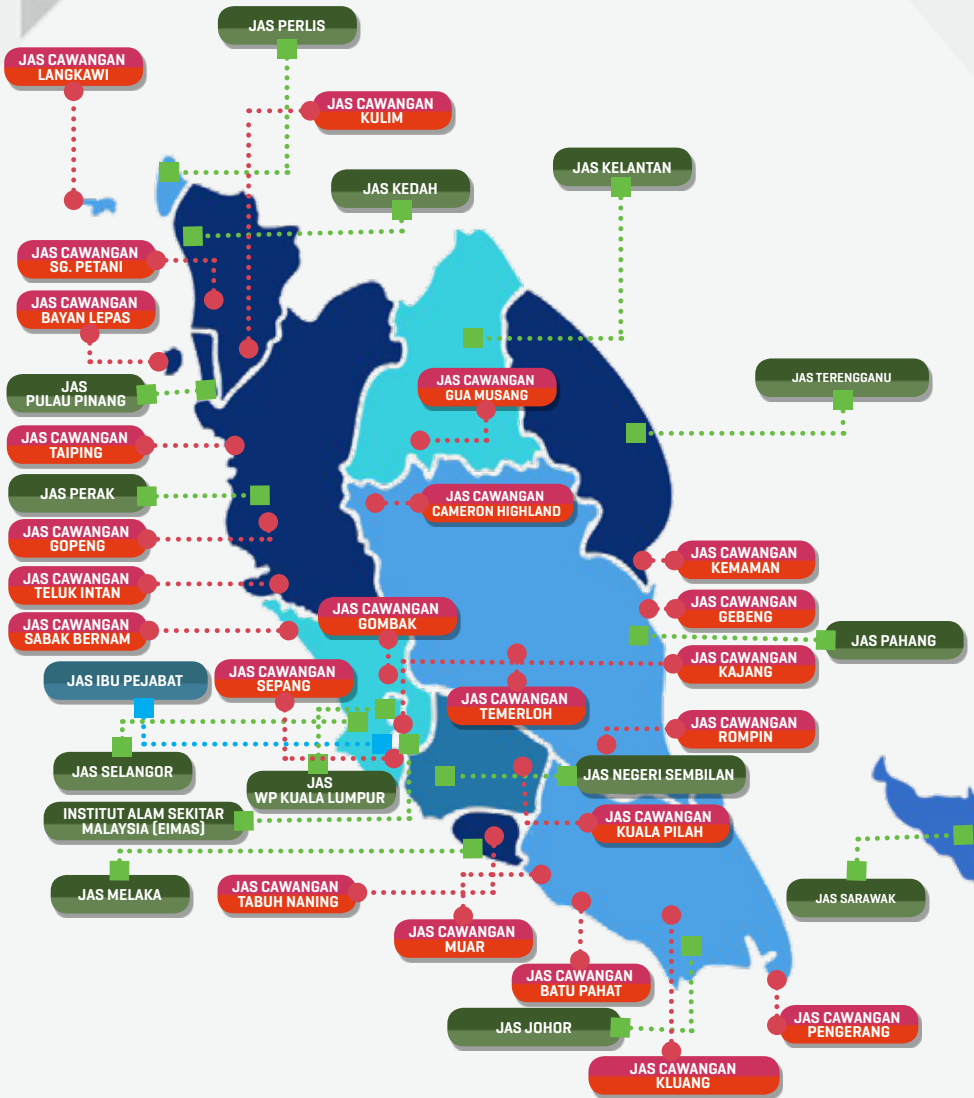
DEPARTMENT OF ENVIRONMENT : INTRODUCTION

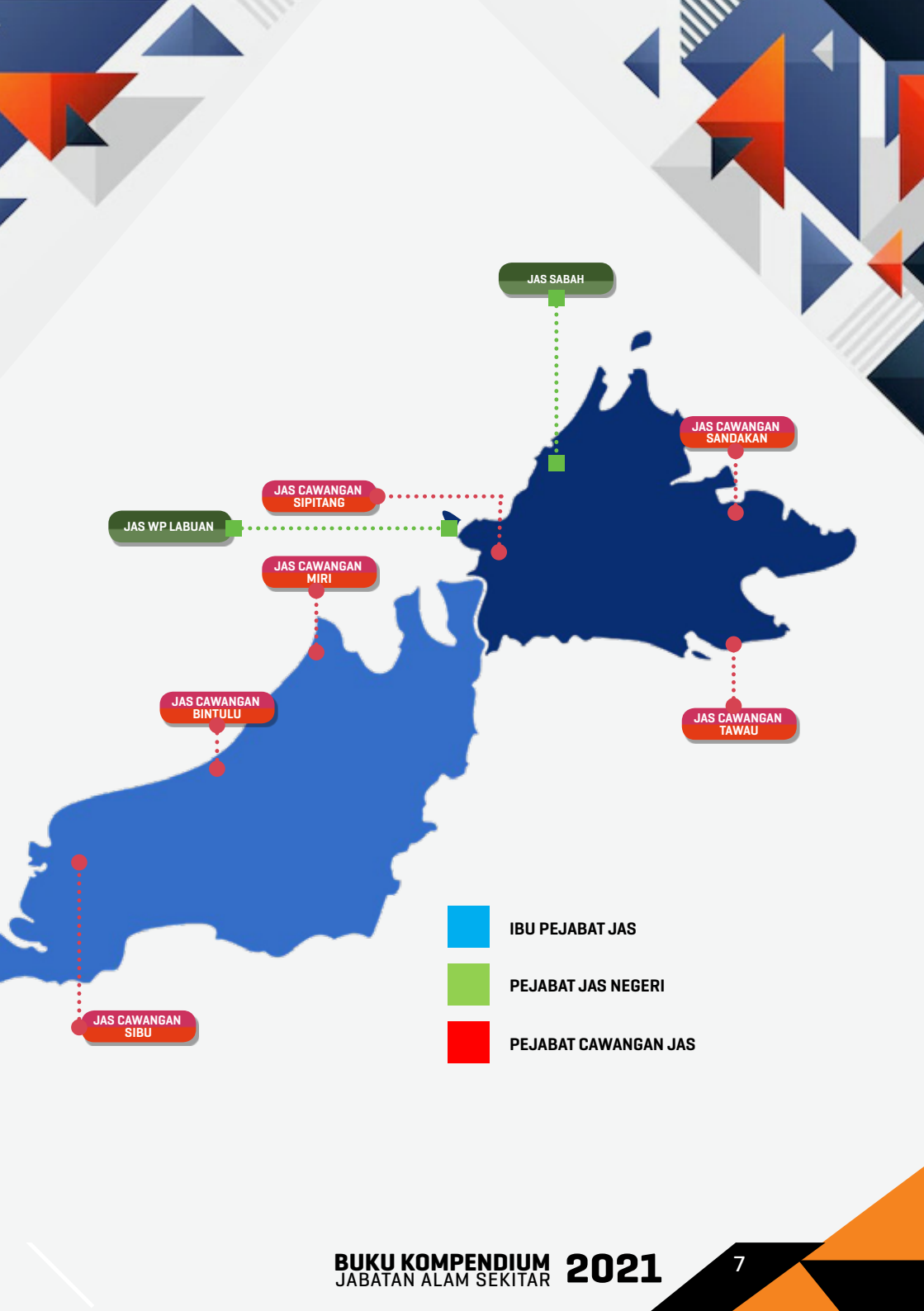
Pengurusan alam sekitar di Malaysia telah menjadi lebih sistematik apabila Akta Kualiti Alam Sekeliling [AKAS] 1974 diwartakan pada 14 Mac 1974. Turutan daripada itu, sebuah agensi penguatkuasa, Bahagian Alam Sekitar (mula dikenali sebagai Jabatan Alam Sekitar pada tahun 1983) telah ditubuhkan pada tahun 1975. Kini, Jabatan Alam Sekitar [JAS] mempunyai 1,539 tenaga kerja yang ditempatkan di Ibu Pejabat, 15 buah Pejabat Negeri dan 29 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 gazettelement 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, the Department is empowered with 1,539 staffs, extending its operation through Headquarters, 15 States Offices dan 29 Branch Offices. The Department's main role is to prevent, control and abate pollution through the enforcement of the EQA 1974 and its 34 subsidiary legislation made there under.



IBU PEJABAT, PEJABAT NEGERI DAN CAWANGAN JAS SELURUH MALAYSIA





JAS SABAH

JAS CAWANGAN SANDAKAN

JAS CAWANGAN SIPITANG

JAS WP LABUAN

JAS CAWANGAN MIRI

JAS CAWANGAN BINTULU

JAS CAWANGAN TAWAU

JAS CAWANGAN SIBU

- IBU PEJABAT JAS
- PEJABAT JAS NEGERI
- PEJABAT CAWANGAN JAS

MISI / MISSION

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

VISI / VISION

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

STRATEGI / STRATEGIES

- Pencegahan dan Kawalan Pencemaran / *Pollution Prevention and Control*
- Integrasi Faktor Alam Sekitar dalam Perancangan Pembangunan / *Integration of Environmental Factors in Development Planning*
- Promosi Pendidikan dan Kesedaran Alam Sekitar / *Promotion of Environmental Education and Awareness*
- Kerjasama dan Hubungan Dua Hala, Serantau dan Antarabangsa / *Bilateral, Regional and International Cooperation*
- Penyertaan Awam dalam Pengurusan Alam Sekitar / *Public Participant in Environmental Management*
- Kerjasama Antara Agensi dan Persekutuan Negeri / *Inter-Agency and Federal State Cooperation*
- Pembangunan Lestari Melalui Pemuliharaan Sumber Semulajadi / *Sustainable Development Through Conservation of Resources*

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

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



- 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

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

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

- 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 [Kawalan Kandungan Petrol dan Diesel] [Pindaan 2021]
Environmental Quality Regulations [Petrol and Diesel Content Control] [Amendment 2021]



- 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

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

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

- 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) (Penyiasatan ke atas Kawalan Hakisan dan Kelodakan) 2012
Environmental Quality [Delegation of Powers] [Investigation on Erosion and Sediment Control] Order 2012



- Peraturan-Peraturan Kualiti Alam Sekeliling (Pelesenan) 1977
Environmental Quality [Licensing] Regulations 1977
- 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
- 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] Regulation 1989

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

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



- 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

1 (a) : Indeks Pencemar Udara (IPU)

1 (a) : Air Pollutant Index (API)

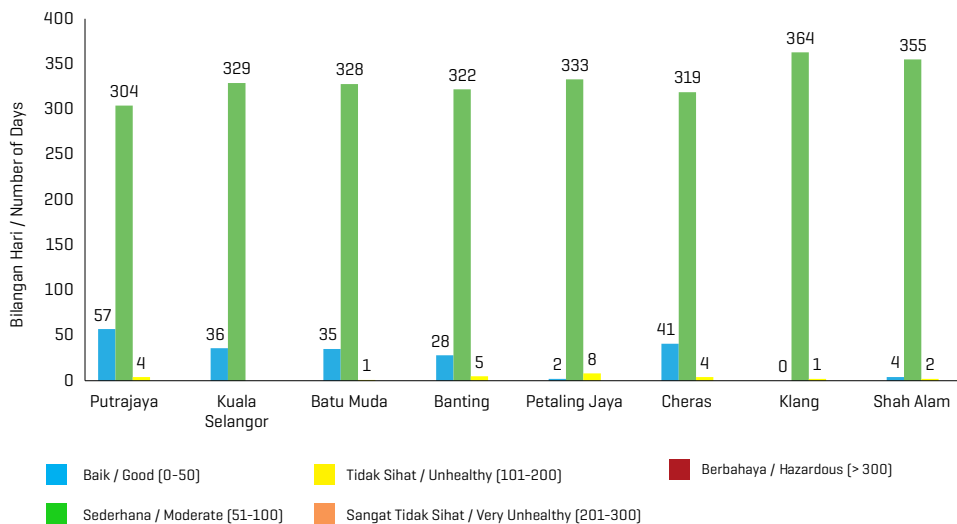
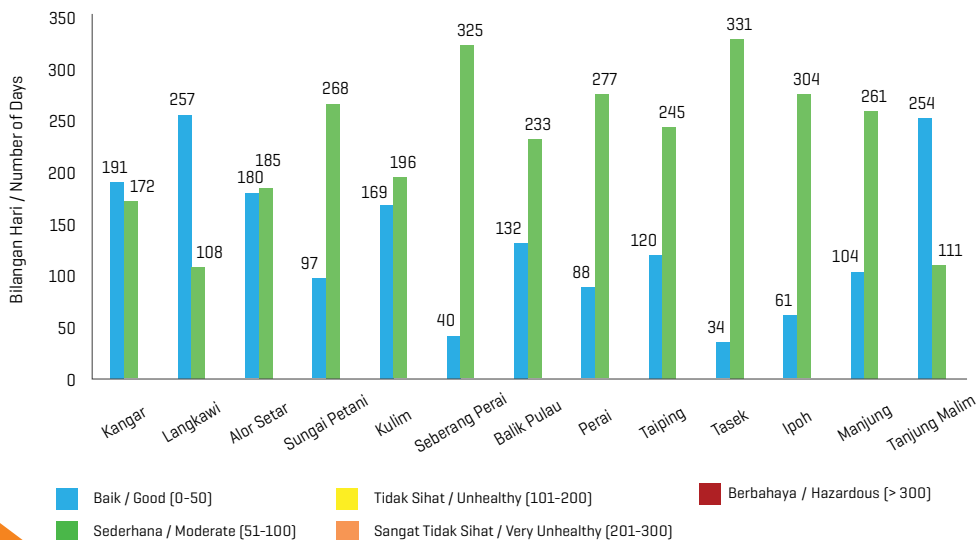
IPU / API	STATUS KUALITI UDARA / AIR QUALITY STATUS
0 – 50	Baik / Good
51 – 100	Sederhana / Moderate
101 – 200	Tidak Sihat / Unhealthy
201 – 300	Sangat Tidak Sihat / Very Unhealthy
> 300	Berbahaya / Hazardous

1 (b) : Standard Kualiti Udara Ambien Malaysia

1 (b) : Malaysian Ambient Air Quality Standard

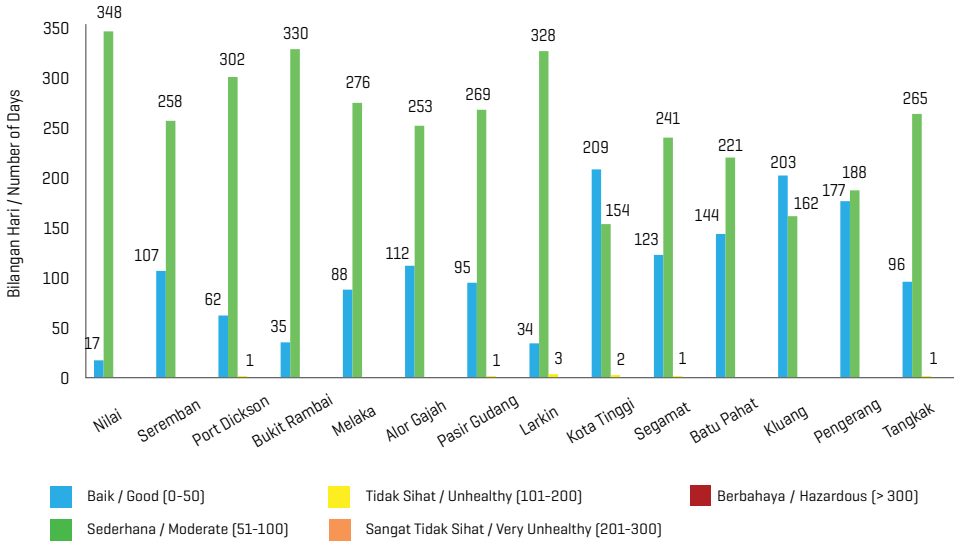
PARAMETER	MASA PURATA/ AVERAGING TIME	UNIT	GARIS PANDUAN SEDIA ADA/ EXISTING GUIDELINES	STANDARD KUALITI UDARA AMBIEN MALAYSIA / MALYSIAN AMBIENT AIR QUALITY		
				IT-1 [2015]	IT-2 [2018]	STANDARD [2020]
PM ₁₀	1 Tahun	µg/m ³	50	50	45	40
	24 Jam	µg/m ³	150	150	120	100
PM _{2.5}	1 Tahun	µg/m ³	-	35	25	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]

1(c) : Status Kualiti Udara, Lembah Klang 2021**1(c) : Air Quality Status, Klang Valley 2021****1(d) : Status Kualiti Udara, Wilayah Utara Pantai Barat Semenanjung Malaysia, 2021****1(d) : Air Quality Status, Northern Region of The West Coast Peninsular Malaysia, 2021**

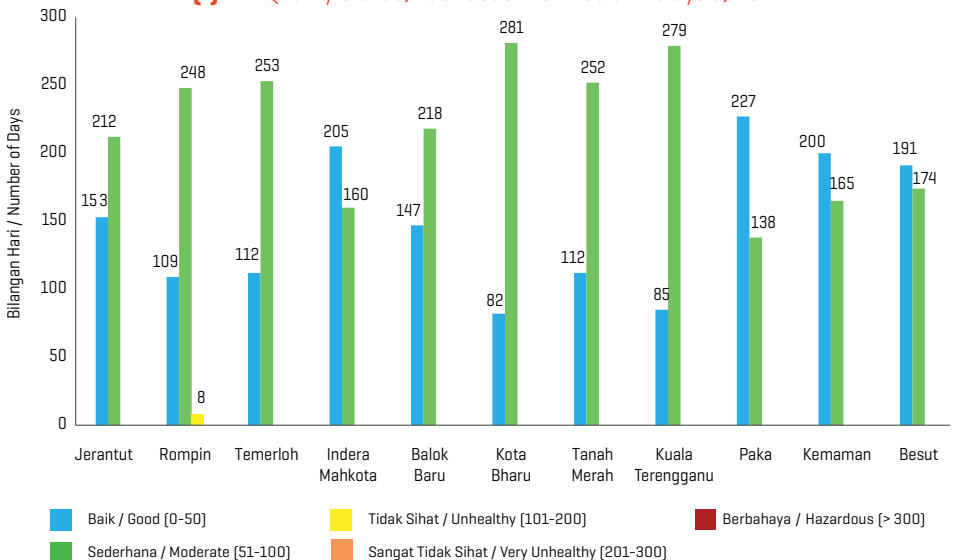
1 (e) : Status Kualiti Udara, Wilayah Selatan Pantai Barat Semenanjung Malaysia, 2021

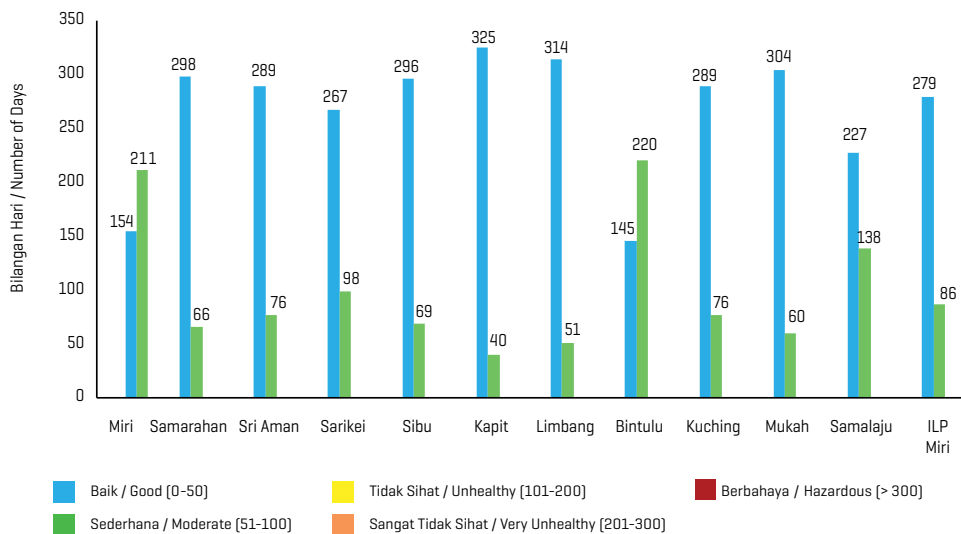
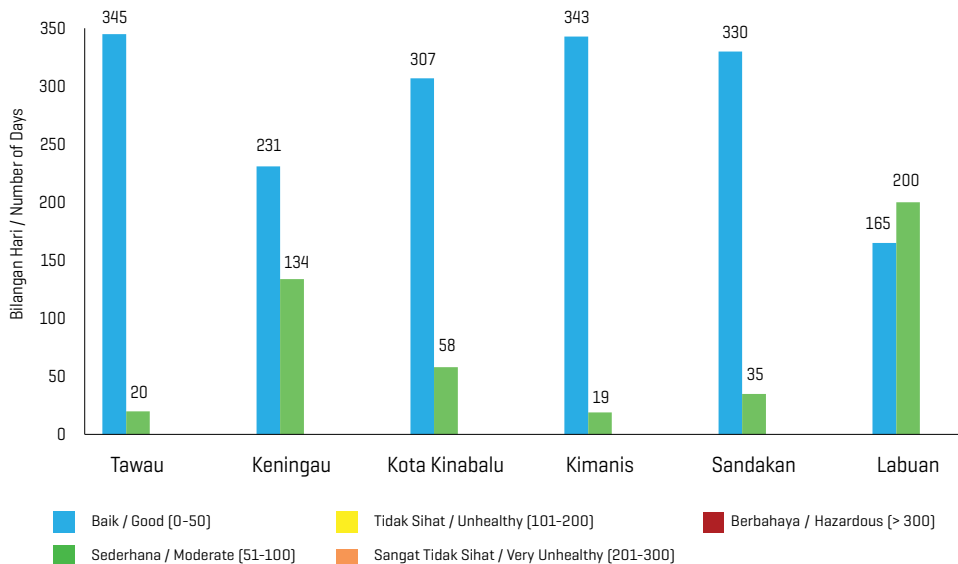
1 (e) : Air Quality Status, Southern Region of The West Coast Peninsular Malaysia, 2021



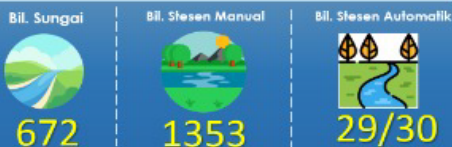
1 (f) : Status Kualiti Udara, Pantai Timur Semenanjung Malaysia, 2021

1 (f) : Air Quality Status, East Coast Peninsular Malaysia, 2021



1 (g) : Status Kualiti Udara Sarawak, 2021**1 (g) : Air Quality Status Sarawak, 2021****1 (h) : Status Kualiti Udara Sabah dan Labuan, 2021****1 (h) : Air Quality Status Sabah and Labuan, 2021**

Program Pengawasan Kualiti Air Sungai



Program Pengawasan Kualiti Air Marin & Pulau-Pulau



Program Pengawasan Kualiti Air Tanah



Bilangan Permohonan Data



Status kualiti Air Sungai (%)

Stesen	Bersih	Sederhana Tercemar	Tercemar
Manual	71.3	23.1	5.5
Automatik	55.3	41.6	3.1

Status kualiti Air Tanah (%)

Terbaik	Baik	Sederhana	Tercemar	Sangat Tercemar
43	45	12	0	0

Status kualiti Air Marin & Pulau (%)

Stesen	Terbaik	Baik	Sederhana	Tercemar
Pantai	44.1	21.0	34.0	0.9
Kuala	12.3	14.8	58.9	14.0
Pulau	53.8	14.8	30.8	0.5

Data Beban Pencemaran



Status Kes Pencemaran Sungai, Marin & Tumpahan Minyak

Kes-Kes Tumpahan Minyak



NPE & IS

Perkara	NPE 1 S. Auto	NPE 1 S. Manual	NPE 2	IS
Sungai	3646	4	11	4
Marin	0	0	0	0

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 - 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 Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY (2021)
				2017	2018	2019	2020	2021	
Perlis	Sg. Perlis	Sg. Arau	1RPLS012	76	79	80	79	88	B/C
		Sg. Arau	1RPLS014	85	88	87	91	92	B/C
		Sg. Empangan Timah Tasoh	1RPLS015	77	89	87	93	95	B/C
		Sg. Jarum	1RPLS006	79	85	83	88	91	B/C
		Sg. Jernih	1RPLS004	85	88	86	92	92	B/C
		Sg. Jernih	1RPLS005	87	89	86	90	95	B/C
		Sg. Kok Mak	1RPLS007	79	84	86	88	87	B/C
		Sg. Karok	1RPLS013	70	70	71	75	76	ST/SP
		Sg. Ngulang	1RPLS002	79	85	82	90	92	B/C
		Sg. Pelarit	1RPLS008	88	92	91	94	96	B/C
		Sg. Perlis	1RPLS001	64	72	72	76	77	ST/SP
		Sg. Serai	1RPLS003	68	82	76	82	86	B/C
		Sg. Terusan Mada	1RPLS010	82	84	84	88	91	B/C
		Sg. Terusan Mada	1RPLS011	82	87	87	89	92	B/C
		Sg. Wang Kelian	1RPLS009	90	93	94	95	97	B/C
Kedah	Sg. Kedah	Sg. Ahning	1KKDH011	86	88	88	92	96	B/C
		Sg. Changlun	1KKDH016	81	79	77	87	88	B/C
		Sg. Janing	1KKDH007	90	90	91	93	97	B/C
		Sg. Kedah	1KKDH001	63	65	64	70	77	ST/SP
		Sg. Napoh	1KKDH017	77	76	80	82	89	B/C
		Sg. Padang Terap	1KKDH002	84	86	87	87	91	B/C
		Sg. Padang Terap	1KKDH003	84	86	88	88	91	B/C
		Sg. Padang Terap	1KKDH004	82	86	89	85	96	B/C
		Sg. Padang Terap	1KKDH009	76	74	70	74	81	B/C
		Sg. Padang Terap	1KKDH012	89	89	91	92	97	B/C
		Sg. Pedu	1KKDH005	86	87	90	91	95	B/C
		Sg. Pendang	1KKDH008	81	78	77	81	82	B/C
		Sg. Sintok	1KKDH018	77	81	81	92	96	B/C
		Sg. Tekai	1KKDH006	82	82	80	88	94	B/C

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY (2021)	
				2017	2018	2019	2020	2021		
Kedah	Sg. Kedah	Sg. Temin	1KKDH010	80	78	77	84	89	B/C	
		Sg. Terusan Lengkuas	1KKDH014	83	88	89	86	92	B/C	
		Sg. Terusan Mada Selatan	1KKDH013	83	86	88	89	92	B/C	
		Sg. Terusan Tengah	1KKDH015	81	87	89	88	93	B/C	
	Sg. Kerian	Sg. Kerian	1KKER001	92	93	93	94	95	B/C	
	Sg. Kisap	Sg. Kisap	1KKSPO01	92	91	90	95	97	B/C	
	Sg. Kuh	Sg. Kuh	1KKUA001	78	66	74	81	79	ST/SP	
	Sg. Merbok	Sg. Bakar Arang	1KMBK008	63	56	59	56	69	ST/SP	
		Sg. Batu	1KMBK002	64	49	66	70	64	ST/SP	
		Sg. Bongkok	1KMBK003	62	73	63	71	75	ST/SP	
		Sg. Bukit Merah	1KMBK006	85	81	80	92	92	B/C	
		Sg. Bukit Nanas	1KMBK011	91	93	93	95	97	B/C	
		Sg. Korok	1KMBK009	70	69	69	65	71	ST/SP	
		Sg. Merbok	1KMBK001	69	74	77	79	81	B/C	
		Sg. Petani	1KMBK007	71	57	54	63	68	ST/SP	
		Sg. Tok Pawang	1KMBK004	73	82	88	90	95	B/C	
		Sg. Tok Pawang	1KMBK005	87	88	88	90	95	B/C	
		Sg. Tupah	1KMBK010	90	93	93	94	97	B/C	
		Sg. Muda	Sg. Chepir	1KMUD012	77	89	87	89	91	B/C
			Sg. Gunung Inas	1KMUD021	85	91	92	93	93	B/C
	Sg. Jerong		1KMUD002	74	65	61	66	75	ST/SP	
	Sg. Jerong		1KMUD003	74	68	69	74	78	ST/SP	
	Sg. Karangan		1KMUD009	81	81	81	85	91	B/C	
	Sg. Ketil		1KMUD007	82	85	85	87	93	B/C	
	Sg. Muda		1KMUD001	82	84	85	86	92	B/C	
	Sg. Muda		1KMUD004	76	85	85	85	90	B/C	
	Sg. Muda		1KMUD005	79	86	87	88	94	B/C	
	Sg. Muda		1KMUD013	79	85	86	86	92	B/C	
	Sg. Muda		1KMUD014	73	87	89	90	91	B/C	
	Sg. Muda		1KMUD015	75	85	87	88	92	B/C	
	Sg. Muda		1KMUD016	78	87	86	85	90	B/C	
	Sg. Muda		1KMUD018	70	84	86	86	94	B/C	
Sg. Muda	1KMUD019		84	89	88	90	93	B/C		
Sg. Muda	1KMUD023		80	85	85	87	92	B/C		
Sg. Muda	1KMUD024	77	83	84	85	90	B/C			
Sg. Muda	1KMUD025	84	89	85	89	94	B/C			

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY (2021)	
				2017	2018	2019	2020	2021		
Kedah	Sg. Muda	Sg. Pegang	1KMUD011	88	92	93	95	97	B/C	
		Sg. Sedim	1KMUD008	81	85	88	90	93	B/C	
		Sg. Sedim	1KMUD017	84	85	87	89	91	B/C	
		Sg. Tawar	1KMUD006	80	89	90	89	91	B/C	
		Sg. Tawar	1KMUD010	85	83	88	88	89	B/C	
		Sg. Tawar	1KMUD020	82	88	90	88	90	B/C	
	Sg. Perai	Sg. Jarak	1KPRI018	70	68	74	74	77	ST/SP	
		Sg. Jarak	1KPRI019	72	73	74	74	76	ST/SP	
		Sg. Jarak	1KPRI024	70	70	73	72	70	ST/SP	
		Sg. Keladi	1KPRI015	73	76	74	78	81	B/C	
		Sg. Kulim	1KPRI014	75	77	75	77	82	B/C	
		Sg. Kulim	1KPRI016	80	88	92	90	91	B/C	
		Sg. Kulim	1KPRI017	88	89	92	91	93	B/C	
		Sg. Kulim	1KPRI023	89	89	91	90	92	B/C	
		Sg. Kulim	1KPRI025	87	89	92	88	94	B/C	
		Sg. Seluang	1KPRI021	61	62	64	64	67	ST/SP	
	Sg. Seluang Bawah	1KPRI020	63	65	67	67	71	ST/SP		
	Sg. Ulu Melaka	Sg. Chenang	1KMLK006	75	53	69	78	84	B/C	
		Sg. Melaka	1KMLK002	88	79	77	81	90	B/C	
		Sg. Melaka	1KMLK003	82	85	81	87	91	B/C	
		Sg. Melaka	1KMLK007	91	93	92	96	97	B/C	
		Sg. Petang	1KMLK001	89	93	93	96	97	B/C	
		Sg. Saga	1KMLK004	83	85	76	81	92	B/C	
		Sg. Tuba	1KMLK005	84	90	88	94	96	B/C	
	P. Pinang	Sg. Bayan Lepas	Sg. Bayan Lepas	1PBL003	69	70	76	64	74	ST/SP
			Sg. Tiram	1PBL001	72	77	78	77	76	ST/SP
			Sg. Tiram	1PBL002	74	71	65	67	67	ST/SP
Sg. Jawi		Sg. Chempedak	1PJWI003	51	34	54	47	41	T/P	
		Sg. Jawi	1PJWI001	51	47	49	55	52	T/P	
		Sg. Junjong	1PJWI002	56	62	62	64	60	ST/SP	
		Sg. Junjong	1PJWI004	56	55	47	57	52	T/P	
		Sg. Junjong	1PJWI006	92	92	92	94	95	B/C	
		Sg. Machang Bubok	1PJWI007	71	71	70	76	72	ST/SP	
		Sg. Tengah	1PJWI005	50	48	61	49	58	T/P	
Sg. Juru		Sg. Ara	1PJRU006	72	70	66	67	77	ST/SP	
		Sg. Juru	1PJRU001	52	55	60	68	69	ST/SP	
		Sg. Juru	1PJRU012	52	59	53	64	65	ST/SP	

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA [2021]/ WQI CATEGORY [2021]
				2017	2018	2019	2020	2021	
P. Pinang	Sg. Juru	Sg. Kilang Ubi	1PJRU002	55	58	68	70	69	ST/SP
		Sg. Kilang Ubi	1PJRU003	60	66	71	75	70	ST/SP
		Sg. Kilang Ubi	1PJRU009	91	91	92	93	97	B/C
		Sg. Kilang Ubi	1PJRU010	53	55	58	63	60	ST/SP
		Sg. Kilang Ubi	1PJRU011	64	62	56	66	69	ST/SP
		Sg. Pasir	1PJRU004	72	58	61	65	75	ST/SP
		Sg. Permatang Rawa	1PJRU008	73	62	61	53	60	ST/SP
		Sg. Permatang Rawa	1PJRU013	78	77	69	66	90	B/C
		Sg. Rambai	1PJRU005	52	48	49	57	57	T/P
		Sg. Rambai	1PJRU007	67	60	54	56	62	ST/SP
	Sg. Kerian	Sg. Kechil	1PKER002	88	86	86	87	90	B/C
		Sg. Kechil	1PKER005	70	80	78	84	87	B/C
		Sg. Kerian	1PKER003	82	84	83	88	89	B/C
		Sg. Kerian	1PKER004	79	83	84	85	89	B/C
		Sg. Kerian	1PKER006	84	76	85	86	89	B/C
		Sg. Kerian	1PKER009	74	76	73	80	84	B/C
		Sg. Kerian	1PKER014	82	81	77	85	86	B/C
		Sg. Serdang	1PKER007	70	76	73	71	80	ST/SP
	Sg. Kluang	Sg. Ara	1PKLU002	89	93	91	95	97	B/C
		Sg. Ara	1PKLU003	63	74	65	68	69	ST/SP
		Sg. Dua Besar	1PKLU005	60	64	57	64	68	ST/SP
		Sg. Kluang	1PKLU001	70	72	63	65	68	ST/SP
		Sg. Relau	1PKLU004	80	82	66	66	68	ST/SP
	Sg. Perai	Sg. Air Melintas	1PPRI007	44	51	54	58	57	T/P
		Sg. Jarak	1PPRI009	74	73	69	74	79	ST/SP
		Sg. Jarak	1PPRI011	64	66	70	72	70	ST/SP
		Sg. Jarak	1PPRI012	58	66	68	71	71	ST/SP
		Sg. Kereh	1PPRI006	44	50	51	47	59	T/P
		Sg. Kereh	1PPRI008	53	55	57	55	60	ST/SP
		Sg. Kereh	1PPRI024	61	61	65	64	66	ST/SP
		Sg. Kubang Semang	1PPRI005	70	60	64	64	66	ST/SP
		Sg. Perai	1PPRI003	63	56	62	64	74	ST/SP
		Sg. Perai	1PPRI004	63	62	63	67	70	ST/SP
		Sg. Pertama	1PPRI022	54	54	59	65	69	ST/SP
		Sg. Seluang Bawah	1PPRI010	68	51	62	61	68	ST/SP
	Sg. Pinang	Sg. Air Itam	1PPNG006	67	69	72	70	74	ST/SP

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY [2021]
				2017	2018	2019	2020	2021	
P.Pinang	Sg. Pinang	Sg. Air Itam	1PPNG011	69	70	76	76	76	ST/SP
		Sg. Air Itam	1PPNG018	93	92	94	96	97	B/C
		Sg. Air Terjun	1PPNG019	93	94	93	95	97	B/C
		Sg. Batu Feringghi	1PPNG001	84	80	79	80	82	B/C
		Sg. Batu Feringghi	1PPNG002	92	92	92	95	96	B/C
		Sg. Dondang	1PPNG012	77	83	84	83	86	B/C
		Sg. Dondang	1PPNG013	76	83	84	84	87	B/C
		Sg. Dondang	1PPNG014	79	73	71	71	79	ST/SP
		Sg. Dondang	1PPNG015	67	69	72	73	75	ST/SP
		Sg. Dondang	1PPNG016	68	70	74	71	73	ST/SP
		Sg. Dondang	1PPNG017	73	68	72	67	63	ST/SP
		Sg. Jelutong	1PPNG010	72	69	64	63	65	ST/SP
		Sg. Pinang	1PPNG003	87	87	88	88	94	B/C
		Sg. Pinang	1PPNG008	75	68	62	69	67	ST/SP
		Sg. Pinang	1PPNG021	55	62	66	55	63	ST/SP
		Sg. Satu	1PPNG020	87	92	93	96	97	B/C
		Sg. Titi Kerawang	1PPNG004	70	65	63	68	75	ST/SP
Perak	Sg. Bernam	Sg. Bernam	1ABNM001	73	69	69	64	73	ST/SP
		Sg. Bernam	1ABNM002	70	64	67	72	66	ST/SP
		Sg. Bernam	1ABNM003	77	76	70	80	81	B/C
		Sg. Bernam	1ABNM004	83	84	86	86	93	B/C
		Sg. Bernam	1ABNM005	83	83	83	86	93	B/C
		Sg. Bernam	1ABNM006	85	87	87	90	97	B/C
		Sg. Gelinting	1ABNM015	83	89	87	92	96	B/C
		Sg. Inki	1ABNM012	89	93	93	94	97	B/C
		Sg. Slim	1ABNM007	85	86	86	87	94	B/C
		Sg. Slim	1ABNM008	87	87	87	88	94	B/C
		Sg. Slim	1ABNM011	83	85	79	89	94	B/C
		Sg. Trolak	1ABNM009	87	88	90	91	96	B/C
		Sg. Trolak	1ABNM010	85	88	91	92	97	B/C
		Sg. Trolak	1ABNM014	90	91	91	93	96	B/C
	Sg. Bruas	Sg. Bruas	1ABRU001	65	74	77	72	75	ST/SP
		Sg. Bruas	1ABRU004	90	90	90	91	94	B/C
		Sg. Bruas	1ABRU005	90	93	94	96	97	B/C
Sg. Dandang		1ABRU006	87	90	86	91	94	B/C	
Sg. Licin		1ABRU007	94	94	95	96	97	B/C	
Sg. Rotan	1ABRU002	87	91	91	92	96	B/C		

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY (2021)
				2017	2018	2019	2020	2021	
Perak	Sg. Bruas	Sg. Rotan	1ABRU003	82	85	86	83	88	B/C
	Sg. Kerian	Sg. Selama	1AKER011	80	83	82	86	88	B/C
		Sg. Selama	1AKER012	80	83	85	87	88	B/C
		Sg. Selama	1AKER016	94	94	93	94	97	B/C
		Sg. Semang	1AKER013	77	83	76	81	80	ST/SP
		Sg. Terusan Bagan Serai	1AKER015	83	91	91	93	93	B/C
	Sg. Kurau	Sg. Air Hitam	1AKRU007	90	93	92	95	98	B/C
		Sg. Ara	1AKRU001	88	88	92	92	96	B/C
		Sg. Ara	1AKRU006	89	92	93	95	97	B/C
		Sg. Kurau	1AKRU002	72	72	77	77	76	ST/SP
		Sg. Kurau	1AKRU003	78	75	82	77	78	ST/SP
		Sg. Kurau	1AKRU004	90	89	89	91	94	B/C
	Sg. Perak	Sg. Kurau	1AKRU005	84	88	89	91	91	B/C
		Sg. Batang Padang	1APRK003	77	77	76	83	86	B/C
		Sg. Batang Padang	1APRK006	88	90	88	90	95	B/C
		Sg. Batang Padang	1APRK009	81	79	81	87	90	B/C
		Sg. Behrang	1APRK077	89	93	94	97	97	B/C
		Sg. Berak	1APRK068	93	93	92	96	97	B/C
		Sg. Bidor	1APRK002	80	73	76	71	84	B/C
		Sg. Bidor	1APRK004	81	78	81	88	89	B/C
		Sg. Bidor	1APRK005	86	85	86	91	88	B/C
		Sg. Chenderiang	1APRK012	91	91	91	94	95	B/C
		Sg. Chenderiang	1APRK013	82	84	91	92	93	B/C
		Sg. Chepor	1APRK056	90	94	94	96	97	B/C
		Sg. Cuar	1APRK046	87	84	83	87	96	B/C
		Sg. Ibol	1APRK066	92	93	93	94	97	B/C
		Sg. Kampar	1APRK031	87	90	89	93	95	B/C
		Sg. Kampar	1APRK032	85	84	82	90	94	B/C
		Sg. Kangsar	1APRK043	87	84	86	89	93	B/C
		Sg. Kangsar	1APRK044	89	87	85	90	91	B/C
		Sg. Kangsar	1APRK079	91	94	93	96	97	B/C
		Sg. Kepayang	1APRK037	80	75	71	79	86	B/C
		Sg. Kepayang	1APRK038	80	76	69	78	83	B/C
		Sg. Kerbau	1APRK064	91	94	93	94	96	B/C
		Sg. Kerbau	1APRK078	91	92	90	93	94	B/C
	Sg. Kerдах	1APRK041	65	69	67	74	73	ST/SP	
	Sg. Kerдах	1APRK053	81	81	78	86	85	B/C	

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI / STATE	LEMBANGAN / BASIN	SUNGAI/ RIVER	NOMBOR STESEN / STATION NUMBER	NILAI IKA / WQI VALUE					KATEGORI IKA (2021) / WQI CATEGORY (2021)
				2017	2018	2019	2020	2021	
Perak	Sg. Perak	Sg. Kinjang	1APRK055	91	93	94	96	97	B/C
		Sg. Kinta	1APRK019	76	75	76	78	86	B/C
		Sg. Kinta	1APRK022	89	91	90	90	95	B/C
		Sg. Kinta	1APRK024	78	74	75	86	85	B/C
		Sg. Kinta	1APRK025	65	68	66	75	79	ST/SP
		Sg. Kinta	1APRK033	87	76	70	78	84	B/C
		Sg. Kinta	1APRK034	78	75	78	81	85	B/C
		Sg. Kinta	1APRK057	62	67	70	80	83	B/C
		Sg. Kinta	1APRK058	78	75	76	82	83	B/C
		Sg. Kinta	1APRK063	91	92	91	92	95	B/C
		Sg. Klah	1APRK014	87	88	88	91	95	B/C
		Sg. Klah	1APRK015	89	89	90	91	95	B/C
		Sg. Kilan Baru	1APRK016	74	75	75	82	84	B/C
		Sg. Kilan Baru	1APRK017	70	70	76	78	84	B/C
		Sg. Kilan Gunong	1APRK081	91	94	93	96	97	B/C
		Sg. Kuang	1APRK042	86	84	80	81	88	B/C
		Sg. Manong	1APRK060	92	92	95	95	97	B/C
		Sg. Nyamok	1APRK052	55	73	68	76	77	ST/SP
		Sg. Pari	1APRK023	81	76	76	79	83	B/C
		Sg. Pari	1APRK028	68	67	68	80	79	ST/SP
		Sg. Pelus	1APRK039	88	87	85	82	86	B/C
		Sg. Pelus	1APRK040	86	86	86	89	91	B/C
		Sg. Perak	1APRK001	82	82	82	84	86	B/C
		Sg. Perak	1APRK018	83	86	85	87	90	B/C
		Sg. Perak	1APRK020	89	85	88	90	92	B/C
		Sg. Perak	1APRK045	88	90	88	88	94	B/C
		Sg. Perak	1APRK047	74	82	82	86	88	B/C
		Sg. Perak	1APRK048	90	89	91	90	94	B/C
		Sg. Perak	1APRK049	88	89	89	86	92	B/C
		Sg. Perak	1APRK051	88	88	89	87	94	B/C
		Sg. Perak	1APRK059	93	91	92	95	97	B/C
		Sg. Perak	1APRK065	87	87	87	88	95	B/C
		Sg. Perak	1APRK069	79	85	85	88	91	B/C
Sg. Perak	1APRK070	87	85	87	89	92	B/C		
Sg. Perak	1APRK071	87	87	87	88	92	B/C		
Sg. Perak	1APRK072	87	86	88	86	93	B/C		
Sg. Perak	1APRK074	87	87	88	87	92	B/C		

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY [2021]
				2017	2018	2019	2020	2021	
Perak	Sg. Perak	Sg. Perak	1APRK080	90	92	93	95	97	B/C
		Sg. Perak	1APRK082	86	92	94	95	96	B/C
		Sg. Perak	1APRK086	86	91	93	96	94	B/C
		Sg. Pinji	1APRK021	64	67	69	75	75	ST/SP
		Sg. Pinji	1APRK036	62	67	64	72	78	ST/SP
		Sg. Pulau	1APRK067	92	92	94	95	97	B/C
		Sg. Rala	1APRK030	82	85	82	89	90	B/C
		Sg. Rala	1APRK035	82	85	83	86	89	B/C
		Sg. Rui	1APRK084	89	92	93	95	96	B/C
		Sg. Rui	1APRK085	83	84	84	86	91	B/C
		Sg. Seluang	1APRK050	51	66	58	72	62	ST/SP
		Sg. Serokai	1APRK026	66	60	65	71	71	ST/SP
		Sg. Serokai	1APRK027	62	77	74	77	86	B/C
		Sg. Sintang	1APRK054	63	66	65	72	72	ST/SP
		Sg. Sungkai	1APRK007	89	90	92	95	95	B/C
		Sg. Sungkai	1APRK008	79	78	84	90	91	B/C
		Sg. Sungkai	1APRK073	81	85	85	92	93	B/C
		Sg. Sungkai	1APRK075	84	86	90	91	93	B/C
		Sg. Sungkai Mati	1APRK010	82	73	71	57	65	ST/SP
		Sg. Sungkai Mati	1APRK011	81	85	82	92	87	B/C
	Sg. Tapah	1APRK076	91	95	95	96	97	B/C	
	Sg. Teja	1APRK083	72	76	78	82	88	B/C	
	Sg. Tesong	1APRK062	91	94	94	96	97	B/C	
	Sg. Tumboh	1APRK029	63	69	71	73	73	ST/SP	
	Sg. Woh	1APRK061	91	92	94	96	97	B/C	
	Sg. Raja Hitam	Sg. Derhaka	1ARHT004	56	76	67	79	78	ST/SP
		Sg. Derhaka	1ARHT006	62	77	69	76	79	ST/SP
		Sg. Manjong	1ARHT001	87	83	85	85	88	B/C
		Sg. Manjong	1ARHT002	79	80	82	86	86	B/C
		Sg. Nyior	1ARHT007	93	93	95	96	97	B/C
		Sg. Raja Hitam	1ARHT003	62	71	73	76	81	B/C
		Sg. Raja Hitam	1ARHT005	57	66	68	72	84	B/C
		Sg. Raja Hitam	1ARHT008	24	30	20	52	39	T/P
Sg. Sepetang	Sg. Batu Tegoh	1ASPT006	85	73	69	85	87	B/C	
	Sg. Batu Tegoh	1ASPT007	81	83	79	87	92	B/C	
	Sg. Batu Tegoh	1ASPT009	81	82	76	87	90	B/C	
	Sg. Batu Tegoh	1ASPT012	91	93	94	96	97	B/C	

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021

2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY (2021)
				2017	2018	2019	2020	2021	
Perak	Sg. Sepetang	Sg. Batu Tegoh	1ASPT016	92	94	95	95	97	B/C
		Sg. Jana	1ASPT004	68	73	76	72	68	ST/SP
		Sg. Jana	1ASPT013	93	94	95	95	97	B/C
		Sg. Lidin	1ASPT008	76	78	75	84	86	B/C
		Sg. Limau	1ASPT014	88	89	90	91	96	B/C
		Sg. Malai	1ASPT002	72	70	76	77	82	B/C
		Sg. Malai	1ASPT019	70	70	73	73	77	ST/SP
		Sg. Nyior	1ASPT018	90	92	95	97	97	B/C
		Sg. Nyior	1ASPT020	85	86	87	88	94	B/C
		Sg. Sepetang	1ASPT001	74	71	72	76	75	ST/SP
		Sg. Sepetang	1ASPT003	83	82	81	83	84	B/C
		Sg. Temerloh	1ASPT010	91	88	89	90	96	B/C
		Sg. Temerloh	1ASPT011	88	77	83	86	92	B/C
		Sg. Trong	1ASPT015	89	90	90	92	96	B/C
	Sg. Trong	1ASPT017	94	93	95	96	97	B/C	
	Sg. Wangi	Sg. Deralik	1AWGI001	63	71	73	71	70	ST/SP
		Sg. Deralik	1AWGI002	67	65	73	76	79	ST/SP
Sg. Wangi		1AWGI003	58	74	70	82	82	B/C	
Sg. Wangi		1AWGI004	55	79	80	79	68	ST/SP	
Selangor	Sg. Bernam	Sg. Bernam	2BBNM013	80	83	83	84	92	B/C
		Sg. Bernam	2BBNM016	78	84	83	84	91	B/C
		Sg. Dusun	2BBNM017	87	86	85	91	95	B/C
	Sg. Buloh	Sg. Buloh	2BBLH001	63	58	59	58	67	ST/SP
		Sg. Buloh	2BBLH002	59	56	49	54	61	ST/SP
		Sg. Buloh	2BBLH003	61	48	51	57	47	T/P
		Sg. Buloh	2BBLH004	59	45	52	59	43	T/P
		Sg. Buloh	2BBLH005	73	74	72	79	82	B/C
		Sg. Buloh	2BBLH006	-	47	47	57	55	T/P
	Sg. Klang	Sg. Ampang	2BKLG032	62	54	59	63	64	ST/SP
		Sg. Ampang	2BKLG042	74	63	67	70	76	ST/SP
		Sg. Anak Air Batu	2BKLG047	73	73	72	81	89	B/C
		Sg. Batu	2BKLG007	87	91	93	93	97	B/C
Sg. Batu		2BKLG036	88	91	92	92	96	B/C	
Sg. Damansara		2BKLG008	56	57	60	62	71	ST/SP	
Sg. Damansara		2BKLG009	60	57	60	66	71	ST/SP	
Sg. Damansara		2BKLG017	56	52	54	64	64	ST/SP	
Sg. Damansara	2BKLG055	61	62	64	66	71	ST/SP		

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY [2021]
				2017	2018	2019	2020	2021	
Selangor	Sg. Klang	Sg. Damansara	2BKLG067	90	90	89	92	95	B/C
		Sg. Gombak	2BKLG020	92	92	90	93	97	B/C
		Sg. Gombak	2BKLG027	87	89	89	93	97	B/C
		Sg. Jinjang	2BKLG044	76	77	77	81	84	B/C
		Sg. Kerayong	2BKLG013	47	43	44	51	55	T/P
		Sg. Kerayong	2BKLG051	59	63	56	66	65	ST/SP
		Sg. Keroh	2BKLG030	91	91	90	95	97	B/C
		Sg. Klang	2BKLG005	91	88	88	93	97	B/C
		Sg. Klang	2BKLG006	79	75	75	84	84	B/C
		Sg. Klang	2BKLG016	57	64	57	58	64	ST/SP
		Sg. Klang	2BKLG022	50	55	52	58	60	ST/SP
		Sg. Klang	2BKLG023	57	56	50	56	61	ST/SP
		Sg. Klang	2BKLG024	58	56	57	55	60	ST/SP
		Sg. Klang	2BKLG034	50	56	55	61	67	ST/SP
		Sg. Klang	2BKLG050	47	52	49	52	56	T/P
		Sg. Kuyoh	2BKLG011	52	51	51	59	69	ST/SP
		Sg. Penchala	2BKLG019	-	42	56	53	72	ST/SP
		Sg. Penchala	2BKLG054	61	61	63	57	73	ST/SP
		Sg. Pusu	2BKLG021	-	71	67	71	80	ST/SP
		Sg. Rasau	2BKLG003	70	76	74	83	87	B/C
	Sg. Rumpit	2BKLG033	89	91	91	92	97	B/C	
	Sg. Semelah	2BKLG025	82	83	80	83	87	B/C	
	Sg. Langat	Sg. Anak Chuau	2BCHU004	73	74	83	89	94	B/C
		Sg. Balak	2BLGT025	58	61	56	71	70	ST/SP
		Sg. Batang Labu	2BLGT028	71	74	72	79	75	ST/SP
		Sg. Batang Labu	2BLGT030	68	69	65	74	80	ST/SP
		Sg. Batang Labu	2BLGT031	70	62	61	69	71	ST/SP
		Sg. Batang Labu	2BLGT032	64	65	60	66	65	ST/SP
		Sg. Batang Labu	2BLGT033	68	79	76	86	91	B/C
		Sg. Batang Labu	2BLGT035	80	85	82	91	94	B/C
		Sg. Chuau	2BCHU001	88	87	89	91	94	B/C
		Sg. Chuau	2BCHU002	87	83	85	91	93	B/C
Sg. Langat		2BLGT002	72	74	73	77	82	B/C	
Sg. Langat		2BLGT003	59	70	74	77	82	B/C	
Sg. Langat	2BLGT004	56	62	58	70	72	ST/SP		
Sg. Langat	2BLGT005	66	64	60	68	71	ST/SP		
Sg. Langat	2BLGT006	87	90	90	93	96	B/C		

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY (2021)
				2017	2018	2019	2020	2021	
Selangor	Sg. Langat	Sg. Langat	2BLGT007	70	75	72	83	84	B/C
		Sg. Langat	2BLGT008	86	89	90	95	95	B/C
		Sg. Langat	2BLGT026	73	70	72	73	78	ST/SP
		Sg. Langat	2BLGT027	62	61	60	72	72	ST/SP
		Sg. Limau Manis	2BCHU003	69	78	74	71	75	ST/SP
		Sg. Rinching	2BLGT014	77	75	76	81	84	B/C
		Sg. Rinching	2BLGT015	90	91	92	94	97	B/C
		Sg. Semenyih	2BLGT010	69	77	77	83	88	B/C
		Sg. Semenyih	2BLGT011	79	81	74	82	86	B/C
		Sg. Semenyih	2BLGT012	81	83	79	84	86	B/C
	Sg. Sering	2BLGT034	68	64	60	69	72	ST/SP	
	Sg. Selangor	Sg. Air Hitam	2BSEL002	74	78	78	74	80	ST/SP
		Sg. Air Hitam	2BSEL024	69	78	82	76	80	ST/SP
		Sg. Batang Kali	2BSEL003	84	87	87	90	96	B/C
		Sg. Guntong	2BSEL021	71	77	73	80	81	B/C
		Sg. Kanching	2BSEL007	82	84	84	90	96	B/C
		Sg. Kerling	2BSEL006	82	91	93	94	97	B/C
		Sg. Kundang	2BSEL012	57	68	66	70	71	ST/SP
		Sg. Rangkap	2BSEL016	89	91	92	95	96	B/C
		Sg. Rawang	2BSEL013	73	73	70	77	81	B/C
		Sg. Selangor	2BSEL001	68	77	75	77	81	B/C
		Sg. Selangor	2BSEL004	87	89	90	92	96	B/C
		Sg. Selangor	2BSEL005	92	89	91	95	97	B/C
		Sg. Selangor	2BSEL010	78	77	78	79	83	B/C
		Sg. Selangor	2BSEL011	75	81	80	82	91	B/C
		Sg. Selangor	2BSEL014	72	78	81	80	84	B/C
		Sg. Selangor	2BSEL015	87	90	91	93	97	B/C
		Sg. Selangor	2BSEL017	87	89	89	92	95	B/C
		Sg. Selangor	2BSEL018	81	82	79	86	88	B/C
		Sg. Selangor	2BSEL023	79	77	77	80	83	B/C
		Sg. Sembah	2BSEL009	69	72	69	74	80	ST/SP
	Sg. Sembah	2BSEL019	70	77	77	76	83	B/C	
	Sg. Serendah	2BSEL008	86	86	87	90	96	B/C	
	Sg. Sepang	Sg. Sepang	2BSPG001	81	84	78	85	83	B/C
		Sg. Sepang	2BSPG002	73	77	77	73	78	ST/SP
		Sg. Sepang	2BSPG003	73	76	68	76	80	ST/SP

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY (2021)
				2017	2018	2019	2020	2021	
Selangor	Sg. Tenggi	Sg. Tenggi	2BTGI001	71	75	74	76	80	ST/SP
		Sg. Tenggi	2BTGI002	90	92	91	92	96	B/C
		Sg. Tenggi	2BTGI003	82	81	81	79	84	B/C
		Sg. Tenggi	2BTGI004	88	88	89	92	94	B/C
W.P. Kuala Lumpur	Sg. Klang	Sg. Air Busuk	2WKL0041	65	58	59	41	40	T/P
		Sg. Batu	2WKL0028	65	63	61	63	58	T/P
		Sg. Batu	2WKL0056	62	65	54	59	67	ST/SP
		Sg. Batu	2WKL0061	77	70	68	68	61	ST/SP
		Sg. Belongkong	2WKL0040	67	61	67	69	73	ST/SP
		Sg. Bunos	2WKL0006	51	47	49	71	63	ST/SP
		Sg. Bunos	2WKL0039	75	64	71	68	75	ST/SP
		Sg. Bunos	2WKL0043	76	74	73	73	85	B/C
		Sg. Gombak	2WKL0018	70	59	59	61	65	ST/SP
		Sg. Gombak	2WKL0026	67	59	60	73	74	ST/SP
		Sg. Gombak	2WKL0060	69	64	59	61	69	ST/SP
		Sg. Jinjang	2WKL0014	61	66	65	61	69	ST/SP
		Sg. Jinjang	2WKL0031	62	63	63	62	70	ST/SP
		Sg. Jinjang	2WKL0045	58	63	63	56	59	T/P
		Sg. Kerayong	2WKL0046	53	59	54	58	61	ST/SP
		Sg. Kerayong	2WKL0058	62	52	55	62	64	ST/SP
		Sg. Keroh	2WKL0015	60	63	56	62	65	ST/SP
		Sg. Keroh	2WKL0048	63	49	54	61	61	ST/SP
		Sg. Klang	2WKL0001	54	59	57	63	67	ST/SP
		Sg. Klang	2WKL0002	63	63	62	65	69	ST/SP
		Sg. Klang	2WKL0003	64	57	57	67	68	ST/SP
		Sg. Klang	2WKL0004	60	64	61	67	75	ST/SP
		Sg. Klang	2WKL0049	70	67	63	66	69	ST/SP
		Sg. Kuyoh	2WKL0052	55	52	55	64	70	ST/SP
		Sg. Penchala	2WKL0010	90	85	88	92	92	B/C
		Sg. Toba	2WKL0037	70	62	59	61	69	ST/SP
Sg. Untai	2WKL0038	67	56	54	64	73	ST/SP		
N. Sembilan	Sg. Sepang	Sg. Rambai	2BSPG004	48	28	21	25	25	T/P
	Sg. Langat	Sg. Batang Benar	3NLGT013	70	72	67	74	74	ST/SP
		Sg. Batang Labu	3NLGT009	65	71	71	81	87	B/C
		Sg. Batang Labu	3NLGT025	84	88	87	90	94	B/C
		Sg. Batang Nilai	3NLGT023	70	74	77	83	87	B/C
Sg. Batang Nilai	3NLGT024	63	72	72	76	75	ST/SP		

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY (2021)
				2017	2018	2019	2020	2021	
N. Sembilan	Sg. Langat	Sg. Beranang	3NLGT019	74	79	76	82	87	B/C
		Sg. Buan	3NLGT022	70	76	76	80	83	B/C
		Sg. Jijan	3NLGT026	79	82	78	85	82	B/C
		Sg. Pajam	3NLGT020	76	76	75	82	85	B/C
		Sg. Pajam	3NLGT021	63	54	54	60	56	T/P
	Sg. Linggi	Sg. Batang Pesar	3NLGI009	78	75	77	81	89	B/C
		Sg. Batang Pesar	3NLGI010	83	87	84	92	95	B/C
		Sg. Batang Pesar	3NLGI020	75	77	78	84	92	B/C
		Sg. Batang Pesar	3NLGI021	90	85	90	95	95	B/C
		Sg. Batang Pesar	3NLGI027	91	92	92	94	96	B/C
		Sg. Batang Pesar	3NLGI034	79	80	75	80	78	ST/SP
		Sg. Batu Hampar	3NLGI024	79	86	88	93	91	B/C
		Sg. Chembong	3NLGI012	85	84	83	93	88	B/C
		Sg. Empangan Terip	3NLGI022	75	73	72	80	82	B/C
		Sg. Jelai	3NLGI025	84	81	84	89	86	B/C
		Sg. Kayu Ara	3NLGI016	66	71	62	77	80	ST/SP
		Sg. Kenaboi	3NLGI032	84	80	80	83	87	B/C
		Sg. Kepayong	3NLGI007	72	69	73	78	80	ST/SP
		Sg. Kepayong	3NLGI023	88	91	91	94	97	B/C
		Sg. Kundur Besar	3NLGI013	87	90	86	91	92	B/C
		Sg. Linggi	3NLGI001	77	83	81	83	87	B/C
		Sg. Linggi	3NLGI002	77	77	79	82	86	B/C
		Sg. Linggi	3NLGI003	78	76	78	83	85	B/C
		Sg. Linggi	3NLGI004	74	77	77	77	85	B/C
		Sg. Linggi	3NLGI005	74	73	68	78	82	B/C
		Sg. Linggi	3NLGI006	72	71	74	77	82	B/C
		Sg. Muar	3NLGI026	86	87	90	88	93	B/C
		Sg. Ngoi Ngoi	3NLGI040	72	71	73	76	80	ST/SP
		Sg. Paroi	3NLGI018	71	75	76	78	80	ST/SP
		Sg. Pedas	3NLGI014	82	84	83	90	94	B/C
		Sg. Rembau	3NLGI011	81	86	82	91	92	B/C
		Sg. Senawang	3NLGI017	74	74	74	73	77	ST/SP
		Sg. Simin	3NLGI015	77	76	77	82	85	B/C
		Sg. Temiang	3NLGI019	77	73	76	83	85	B/C
	Sg. Temiang	3NLGI033	59	60	60	68	61	ST/SP	
	Sg. Lukut	Sg. Lukut	3NLKT001	70	73	69	74	73	ST/SP
	Sg. Melaka	Sg. Dusun	3NMLK017	92	87	86	93	94	B/C

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA [2021]/ WQI CATEGORY [2021]
				2017	2018	2019	2020	2021	
N. Sembilan	Sg. Melaka	Sg. Kemunting	3NMLK039	88	86	87	92	92	B/C
		Sg. Tampin	3NMLK038	89	90	92	95	96	B/C
		Sg. Tampin	3NMLK041	79	74	84	81	83	B/C
	Sg. Muar	Sg. Gemas	3NMUA041	72	68	68	70	71	ST/SP
		Sg. Gemencheh	3NMUA043	83	83	86	82	91	B/C
		Sg. Gemencheh	3NMUA045	78	78	80	82	90	B/C
		Sg. Jelai	3NMUA054	85	85	83	88	92	B/C
		Sg. Kelamah	3NMUA044	82	75	79	71	88	B/C
		Sg. Muar	3NMUA042	90	88	90	91	95	B/C
		Sg. Muar	3NMUA046	87	81	85	84	90	B/C
		Sg. Muar	3NMUA047	79	80	85	86	90	B/C
		Sg. Muar	3NMUA048	80	83	85	85	86	B/C
		Sg. Muar	3NMUA049	81	82	84	88	89	B/C
		Sg. Muar	3NMUA050	82	77	83	85	88	B/C
		Sg. Muar	3NMUA051	79	85	85	86	90	B/C
		Sg. Muar	3NMUA052	85	82	88	85	91	B/C
		Sg. Muar	3NMUA053	84	81	87	85	90	B/C
		Sg. Muar	3NMUA055	86	84	81	84	91	B/C
	Sg. Pahang	Sg. Pertang	3NPHG002	87	82	87	89	92	B/C
		Sg. Serting	3NPHG003	71	77	71	80	87	B/C
		Sg. Serting	3NPHG004	75	76	71	79	86	B/C
Sg. Serting		3NPHG005	75	70	66	77	81	B/C	
Sg. Triang		3NPHG006	88	84	86	84	93	B/C	
Melaka	Sg. Baru	Sg. Baru	3MBAR001	72	71	68	74	70	ST/SP
	Sg. Duyong	Sg. Duyong	3MDYG001	64	64	71	63	69	ST/SP
		Sg. Duyong	3MDYG002	67	59	55	58	65	ST/SP
		Sg. Duyong	3MDYG003	72	77	79	77	84	B/C
		Sg. Gapam	3MDYG004	82	86	87	88	92	B/C
		Sg. Punggur	3MPGR001	63	44	47	52	67	ST/SP
		Sg. Punggur	3MPGR002	72	48	53	49	58	T/P
	Sg. Kesang	Sg. Chin-Chin	3MKSG006	64	68	59	62	53	T/P
		Sg. Chin-Chin	3MKSG008	80	85	80	79	87	B/C
		Sg. Chin-Chin	3MKSG009	72	79	79	78	89	B/C
		Sg. Chohong	3MKSG004	76	82	80	86	91	B/C
		Sg. Chohong	3MKSG005	88	90	89	90	94	B/C
		Sg. Kesang	3MKSG001	75	66	63	72	82	B/C
Sg. Kesang	3MKSG002	83	80	76	79	88	B/C		

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY [2021]
				2017	2018	2019	2020	2021	
Melaka	Sg. Kesang	Sg. Kesang	3MKS003	76	78	72	77	88	B/C
		Sg. Tangkak	3MKS007	69	67	64	67	77	ST/SP
	Sg. Linggi	Sg. Simpang Ampat	3MLGI029	80	82	79	83	87	B/C
		Sg. Siput	3MLGI030	80	86	84	87	90	B/C
		Sg. Siput	3MLGI031	77	84	85	86	92	B/C
		Sg. Tuang	3MTUG002	70	71	57	57	62	ST/SP
	Sg. Melaka	Sg. Batang Melaka	3MMLK008	84	78	82	90	91	B/C
		Sg. Batang Melaka	3MMLK027	89	88	80	87	91	B/C
		Sg. Batang Melaka	3MMLK028	83	76	80	86	89	B/C
		Sg. Durian Tunggal	3MMLK011	83	76	73	79	86	B/C
		Sg. Malim	3MMLK014	68	51	55	67	71	ST/SP
		Sg. Malim	3MMLK034	70	61	63	67	68	ST/SP
		Sg. Melaka	3MMLK007	78	64	65	72	71	ST/SP
		Sg. Melaka	3MMLK009	87	89	87	91	93	B/C
		Sg. Melaka	3MMLK010	88	90	93	93	96	B/C
		Sg. Melaka	3MMLK012	68	60	59	70	72	ST/SP
		Sg. Melaka	3MMLK013	69	66	66	63	68	ST/SP
		Sg. Melaka	3MMLK015	80	76	72	81	82	B/C
		Sg. Melaka	3MMLK021	82	75	73	81	85	B/C
		Sg. Melaka	3MMLK022	80	78	79	83	86	B/C
		Sg. Melaka	3MMLK023	75	68	66	72	72	ST/SP
		Sg. Melaka	3MMLK024	64	58	61	59	69	ST/SP
		Sg. Melaka	3MMLK025	81	77	77	79	84	B/C
		Sg. Melaka	3MMLK026	76	75	71	80	81	B/C
		Sg. Melaka	3MMLK030	80	80	73	82	84	B/C
		Sg. Melaka	3MMLK032	65	62	59	70	67	ST/SP
		Sg. Putat	3MMLK029	64	65	62	62	74	ST/SP
		Sg. Putat	3MMLK033	57	58	53	59	63	ST/SP
		Sg. Rembia	3MMLK035	68	68	68	73	82	B/C
	Sg. Rembia	3MMLK036	77	72	61	68	54	T/P	
	Sg. Tampin	3MMLK031	88	87	85	91	94	B/C	
	Sg. Merlimau	Sg. Merlimau	3MMLU001	53	50	47	60	55	T/P
		Sg. Merlimau	3MMLU002	60	52	46	52	56	T/P
		Sg. Merlimau	3MMLU003	56	57	49	40	58	T/P
		Sg. Merlimau	3MMLU004	52	52	54	58	58	T/P
		Sg. Merlimau	3MMLU005	56	52	49	67	68	ST/SP
	Sg. Seri Melaka	Sg. Air Salak	3MSMK001	73	69	65	62	79	ST/SP

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY [2021]
				2017	2018	2019	2020	2021	
	Sg. Seri Melaka	Sg. Seri Melaka	3MSMK002	59	59	65	65	66	ST/SP
		Sg. Sg.Udang	3MSUD001	85	87	81	87	86	B/C
	Sg. Tuang	Sg. Tuang	3MTUG001	71	67	58	59	63	ST/SP
Johor	Sg. Air Balo	Sg. Air Balo	3JABL001	65	59	52	60	56	T/P
		Sg. Air Balo	3JABL002	69	49	48	59	52	T/P
		Sg. Air Balo	3JABL003	64	58	49	60	57	T/P
	Sg. Batu Pahat	Sg. Amran	3JBPT018	60	70	74	75	81	B/C
		Sg. Bantang	3JBPT020	93	94	91	96	97	B/C
		Sg. Batu Pahat	3JBPT001	53	59	56	66	64	ST/SP
		Sg. Bekok	3JBPT005	74	74	63	79	84	B/C
		Sg. Bekok	3JBPT008	63	62	59	57	67	ST/SP
		Sg. Bekok	3JBPT016	85	88	82	85	91	B/C
		Sg. Bekok	3JBPT017	85	85	83	87	91	B/C
		Sg. Bekok	3JBPT019	87	89	90	92	94	B/C
		Sg. Bekok	3JBPT023	56	64	58	57	63	ST/SP
		Sg. Berlian	3JBPT007	74	78	79	78	77	ST/SP
		Sg. Chaah	3JBPT010	80	79	83	88	93	B/C
		Sg. Kahang	3JBPT022	84	84	86	90	92	B/C
		Sg. Lenik	3JBPT011	71	81	82	82	91	B/C
		Sg. Merek	3JBPT009	77	83	81	88	89	B/C
		Sg. Merpo	3JBPT006	84	84	81	91	90	B/C
		Sg. Panchor	3JBPT025	52	61	58	59	63	ST/SP
		Sg. Semberong	3JBPT003	55	66	53	57	64	ST/SP
		Sg. Semberong	3JBPT004	68	69	58	64	77	ST/SP
		Sg. Semberong Dam	3JBPT021	81	89	85	89	91	B/C
		Sg. Simpang Kanan	3JBPT002	53	62	60	58	62	ST/SP
		Sg. Simpang Kanan	3JBPT013	53	57	54	59	60	ST/SP
		Sg. Simpang Kiri	3JBPT012	63	69	73	81	82	B/C
		Sg. Simpang Kiri	3JBPT014	58	64	60	65	71	ST/SP
		Sg. Simpang Kiri	3JBPT015	45	58	55	60	64	ST/SP
		Sg. Temehel	3JBPT024	52	45	48	57	54	T/P
		Sg. Benut	Sg. Benut	3JBNT001	84	86	82	86	92
	Sg. Benut		3JBNT002	68	73	72	79	86	B/C
	Sg. Benut		3JBNT005	66	65	60	64	66	ST/SP
	Sg. Benut		3JBNT006	65	59	60	69	62	ST/SP
	Sg. Machap Dam		3JBNT008	80	85	91	92	94	B/C
	Sg. Parit Hj Yassin		3JBNT004	82	81	77	85	81	B/C

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY [2021]	
				2017	2018	2019	2020	2021		
Johor	Sg. Benut	Sg. Pinggan	3JBNT007	66	59	61	60	59	T/P	
		Sg. Ulu Benut	3JBNT003	85	77	79	89	90	B/C	
	Sg. Danga	Sg. Danga	3JDGA001	40	48	47	58	62	ST/SP	
		Sg. Danga	3JDGA002	48	48	45	55	59	T/P	
	Sg. Endau	Sg. Anak Sg. Semberong	3JEND007	74	76	84	84	85	B/C	
		Sg. Dengar	3JEND010	78	82	80	84	91	B/C	
		Sg. Empangan Labong	3JEND027	84	92	92	89	91	B/C	
		Sg. Endau	3JEND019	77	85	88	85	88	B/C	
		Sg. Endau	3JEND022	82	86	87	87	90	B/C	
		Sg. Endau	3JEND023	89	93	93	93	96	B/C	
		Sg. Jasin	3JEND024	91	94	94	94	97	B/C	
		Sg. Jebong	3JEND005	67	71	61	74	82	B/C	
		Sg. Kahang	3JEND020	82	89	89	90	89	B/C	
		Sg. Kahang	3JEND026	85	88	86	90	94	B/C	
		Sg. Kahang	3JEND028	82	87	83	90	88	B/C	
		Sg. Lenga	3JEND008	71	75	60	68	69	ST/SP	
		Sg. Lenggor	3JEND009	80	84	87	82	89	B/C	
		Sg. Lenggor	3JEND029	79	84	86	81	88	B/C	
		Sg. Mamai	3JEND015	82	86	86	87	88	B/C	
		Sg. Melatai	3JEND017	61	68	63	70	71	ST/SP	
		Sg. Mengkibol	3JEND001	83	85	84	88	89	B/C	
		Sg. Mengkibol	3JEND002	75	72	74	77	84	B/C	
		Sg. Mengkibol	3JEND003	61	65	65	69	75	ST/SP	
		Sg. Paloh	3JEND016	81	76	81	82	85	B/C	
		Sg. Pamol	3JEND011	61	68	65	72	76	ST/SP	
		Sg. Selai	3JEND025	83	90	92	92	94	B/C	
		Sg. Semberong	3JEND004	83	84	86	89	90	B/C	
		Sg. Semberong	3JEND006	71	81	83	84	84	B/C	
		Sg. Semberong	3JEND012	69	68	63	76	80	ST/SP	
		Sg. Semberong	3JEND018	83	82	84	85	88	B/C	
		Sg. Semberong	3JEND021	78	75	83	84	88	B/C	
		Sg. Singol	3JEND013	75	80	55	79	83	B/C	
		Sg. Tamok	3JEND014	85	86	91	91	90	B/C	
		Sg. Jemaluang	Sg. Jemaluang	3JJMLD01	79	86	88	81	90	B/C
			Sg. Jemaluang	3JJMLD02	70	78	78	81	86	B/C
		Sg. Johor	Sg. Anak Sg. Sayong	3JJHRD23	77	76	79	86	92	B/C

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY [2021]
				2017	2018	2019	2020	2021	
Johor	Sg. Johor	Sg. Anak Sg. Sayong	3JJHR032	61	67	69	75	84	B/C
		Sg. Belitong	3JJHR038	81	85	86	83	89	B/C
		Sg. Berangan	3JJHR013	55	63	67	71	82	B/C
		Sg. Bukit Besar	3JJHR007	57	59	57	61	60	ST/SP
		Sg. Bukit Besar	3JJHR009	84	83	93	90	95	B/C
		Sg. Chemangar	3JJHR019	61	72	72	70	73	ST/SP
		Sg. Johor	3JJHR011	81	81	83	83	89	B/C
		Sg. Johor	3JJHR014	81	81	82	85	89	B/C
		Sg. Johor	3JJHR015	84	80	84	86	91	B/C
		Sg. Johor	3JJHR040	75	82	78	84	87	B/C
		Sg. Johor	3JJHR041	82	82	85	82	89	B/C
		Sg. Johor	3JJHR042	80	82	83	85	90	B/C
		Sg. Layang	3JJHR001	88	87	89	93	93	B/C
		Sg. Layau Kiri	3JJHR017	78	87	84	87	92	B/C
		Sg. Lebam	3JJHR020	78	83	85	79	87	B/C
		Sg. Linggiu	3JJHR030	80	85	88	84	93	B/C
		Sg. Panti	3JJHR037	80	80	72	79	87	B/C
		Sg. Papan	3JJHR034	75	81	83	81	86	B/C
		Sg. Pelepah	3JJHR039	90	94	93	95	97	B/C
		Sg. Pelepah	3JJHR043	82	81	89	86	87	B/C
		Sg. Pelepah	3JJHR044	82	83	89	87	88	B/C
		Sg. Pelepah	3JJHR045	88	88	92	90	92	B/C
		Sg. Penggeli	3JJHR028	80	85	90	89	87	B/C
		Sg. Penggeli	3JJHR031	83	82	85	89	88	B/C
		Sg. Remis	3JJHR026	82	83	86	86	89	B/C
		Sg. Santi	3JJHR022	83	87	85	89	87	B/C
		Sg. Sayong	3JJHR024	82	81	81	82	85	B/C
		Sg. Sayong	3JJHR025	80	82	85	78	84	B/C
		Sg. Sayong	3JJHR027	86	78	88	82	84	B/C
		Sg. Sayong	3JJHR033	81	82	87	83	88	B/C
		Sg. Sebol	3JJHR029	66	76	69	73	80	ST/SP
		Sg. Seluyut	3JJHR035	75	76	77	83	87	B/C
		Sg. Semangar	3JJHR008	85	81	82	81	92	B/C
		Sg. Semenchu	3JJHR018	76	69	35	66	85	B/C
		Sg. Sening	3JJHR021	83	89	83	89	93	B/C
		Sg. Serai	3JJHR002	53	66	57	67	60	ST/SP
Sg. Telor	3JJHR012	80	84	84	88	89	B/C		

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021

2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY (2021)
				2017	2018	2019	2020	2021	
Johor	Sg. Johor	Sg. Temoh	3JJHR016	67	63	64	74	84	B/C
		Sg. Tiram	3JJHR003	69	68	67	71	79	ST/SP
		Sg. Tiram	3JJHR004	84	85	87	86	91	B/C
		Sg. Tiram	3JJHR005	67	67	69	69	68	ST/SP
		Sg. Tiram	3JJHR006	87	87	90	88	93	B/C
	Sg. Kaw. Pasir Gudang	Sg. Buluh	3JPGD002	20	25	41	41	43	T/P
		Sg. Latoh	3JPGD004	45	64	58	62	68	ST/SP
		Sg. Masai	3JPGD005	56	55	50	63	60	ST/SP
		Sg. Perembi	3JPGD001	50	37	42	57	47	T/P
		Sg. Tukang Batu	3JPGD003	13	22	37	42	35	T/P
	Sg. Kempas	Sg. Kempas	3JKPS001	57	39	36	29	33	T/P
		Sg. Kempas	3JKPS002	57	55	44	37	42	T/P
	Sg. Kim-Kim	Sg. Kim-Kim	3JIM001	45	36	43	51	66	ST/SP
		Sg. Kim-Kim	3JIM002	75	83	83	85	90	B/C
	Sg. Mersing	Sg. Empangan Congok	3JMSE004	75	76	84	85	88	B/C
		Sg. Mersing	3JMSE001	86	91	90	87	95	B/C
		Sg. Mersing	3JMSE002	72	82	80	84	88	B/C
		Sg. Mersing	3JMSE003	83	89	85	83	92	B/C
	Sg. Muar	Sg. Air Panas	3JMUA035	91	90	92	94	97	B/C
		Sg. Belemang	3JMUA051	90	89	90	94	95	B/C
		Sg. Gemas	3JMUA036	83	71	65	80	85	B/C
		Sg. Jementah	3JMUA040	91	91	91	93	96	B/C
		Sg. Juasseh	3JMUA014	88	88	89	94	96	B/C
		Sg. Juasseh	3JMUA037	91	91	88	93	95	B/C
		Sg. Juasseh	3JMUA045	91	89	86	94	95	B/C
		Sg. Labis	3JMUA011	79	81	79	89	88	B/C
		Sg. Labis	3JMUA012	84	81	77	89	89	B/C
		Sg. Labis	3JMUA015	75	85	82	87	87	B/C
		Sg. Meda	3JMUA034	76	86	82	82	85	B/C
		Sg. Merbudu	3JMUA030	68	69	65	63	77	ST/SP
		Sg. Merlimau	3JMUA020	65	55	59	70	66	ST/SP
		Sg. Muar	3JMUA017	73	79	81	82	86	B/C
		Sg. Muar	3JMUA019	78	81	82	85	87	B/C
		Sg. Muar	3JMUA022	77	81	84	85	89	B/C
		Sg. Muar	3JMUA026	76	81	82	84	89	B/C
	Sg. Muar	3JMUA027	74	78	77	85	84	B/C	

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY (2021)
				2017	2018	2019	2020	2021	
Johor	Sg. Muar	Sg. Muar	3JMUA028	74	77	81	83	81	B/C
		Sg. Muar	3JMUA029	71	74	81	75	84	B/C
		Sg. Muar	3JMUA031	70	73	81	77	83	B/C
		Sg. Muar	3JMUA033	71	79	80	73	77	ST/SP
		Sg. Muar	3JMUA039	75	79	81	82	85	B/C
		Sg. Muar	3JMUA041	76	77	82	80	86	B/C
		Sg. Muar	3JMUA042	75	77	81	78	86	B/C
		Sg. Muar	3JMUA043	73	77	82	79	83	B/C
		Sg. Muar	3JMUA046	75	76	78	86	89	B/C
		Sg. Muar	3JMUA047	74	77	78	81	87	B/C
		Sg. P.Mengkuang	3JMUA018	82	80	67	89	92	B/C
		Sg. Pagoh	3JMUA049	62	70	67	66	74	ST/SP
		Sg. Palong	3JMUA024	75	83	82	88	89	B/C
		Sg. Palong	3JMUA025	75	78	81	84	85	B/C
		Sg. Pendol	3JMUA050	88	83	89	90	95	B/C
		Sg. Sarang Buaya	3JMUA038	48	64	70	58	60	ST/SP
		Sg. Segamat	3JMUA016	81	83	82	89	90	B/C
		Sg. Segamat	3JMUA044	87	87	88	91	94	B/C
		Sg. Segamat	3JMUA048	88	87	89	92	95	B/C
		Sg. Senarut	3JMUA021	70	74	66	75	77	ST/SP
	Sg. Serom	3JMUA032	46	54	55	63	63	ST/SP	
	Sg. Simpang Loi	3JMUA023	82	76	78	77	84	B/C	
	Sg. Tenang	3JMUA013	74	66	68	79	76	ST/SP	
	Sg. Paloi	Sg. Paloi	3JPAL001	80	85	80	89	90	B/C
	Sg. Pontian Besar	Sg. Air Hitam	3JPBS001	61	67	76	71	74	ST/SP
		Sg. Ayer Merah	3JPBS005	33	53	46	43	54	T/P
		Sg. Pontian Besar	3JPBS002	55	63	63	65	65	ST/SP
		Sg. Pontian Besar	3JPBS003	66	87	77	80	85	B/C
		Sg. Pontian Besar	3JPBS004	83	81	77	86	84	B/C
		Sg. Pontian Besar	3JPBS006	53	57	60	64	63	ST/SP
		Sg. Pontian Besar	3JPBS007	59	70	70	73	73	ST/SP
	Sg. Pontian Kecil	Sg. Pontian Kecil	3JPKC001	84	85	84	86	84	B/C
		Sg. Pontian Kecil	3JPKC002	76	74	60	76	75	ST/SP
	Sg. Pulai	Sg. Pulai	3JPLI001	72	74	79	82	83	B/C
		Sg. Pulai	3JPLI002	72	72	71	72	77	ST/SP
		Sg. Pulai Dam	3JPLI004	89	92	93	95	95	B/C

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY (2021)
				2017	2018	2019	2020	2021	
Johor	Sg. Pulai	Sg. Ulu Choh	3JPLI003	48	68	67	72	72	ST/SP
	Sg. Rambah	Sg. Rambah	3JRBH001	76	75	73	75	69	ST/SP
		Sg. Rambah	3JRBH002	58	66	55	65	63	ST/SP
	Sg. Sanglang	Sg. Sanglang	3JSLG001	63	63	60	59	57	T/P
	Sg. Sedili Besar	Sg. Ambat	3JSBE005	76	88	88	86	84	B/C
		Sg. Dohol	3JSBE001	82	85	88	89	90	B/C
		Sg. Mupur	3JSBE009	46	52	47	67	73	ST/SP
		Sg. Pasir Panjang	3JSBE010	74	85	87	88	87	B/C
		Sg. Sedili Besar	3JSBE002	82	82	82	86	86	B/C
		Sg. Sedili Besar	3JSBE004	85	86	89	91	93	B/C
		Sg. Sedili Besar	3JSBE006	76	79	76	82	87	B/C
		Sg. Sedili Besar	3JSBE007	61	73	65	74	72	ST/SP
		Sg. Sedili Besar	3JSBE008	81	82	85	87	89	B/C
		Sg. Sedili Besar	3JSBE011	82	85	88	90	88	B/C
	Sg. Temubor Kanan	3JSBE003	83	88	90	93	95	B/C	
	Sg. Sedili Kecil	Sg. Anak Sedili Kecil	3JSKE005	21	29	30	25	24	T/P
		Sg. Anak Sedili Kecil	3JSKE006	70	78	76	79	85	B/C
		Sg. Bahan	3JSKE002	72	62	75	78	73	ST/SP
		Sg. Bahan	3JSKE004	70	57	76	74	78	ST/SP
		Sg. Sedili Kecil	3JSKE001	86	85	87	89	88	B/C
		Sg. Sedili Kecil	3JSKE003	71	77	77	80	76	ST/SP
	Sg. Segget	Sg. Segget	3JSGT001	63	68	55	81	71	ST/SP
		Sg. Segget	3JSGT002	60	68	55	77	68	ST/SP
		Sg. Segget	3JSGT003	45	51	50	59	67	ST/SP
		Sg. Segget	3JSGT004	44	57	54	63	78	ST/SP
		Sg. Segget	3JSGT005	54	51	50	54	65	ST/SP
	Sg. Skudai	Sg. Melana	3JSKU008	83	89	85	91	95	B/C
		Sg. Melana	3JSKU009	42	57	45	61	59	T/P
		Sg. Skudai	3JSKU001	50	52	44	55	63	ST/SP
		Sg. Skudai	3JSKU002	58	53	49	66	71	ST/SP
		Sg. Skudai	3JSKU003	62	61	58	61	74	ST/SP
		Sg. Skudai	3JSKU004	86	87	86	89	90	B/C
		Sg. Skudai	3JSKU005	63	73	65	72	79	ST/SP
		Sg. Skudai	3JSKU006	64	65	58	66	76	ST/SP
		Sg. Skudai	3JSKU007	49	43	44	43	54	T/P
		Sg. Skudai	3JSKU010	51	56	52	55	62	ST/SP

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY [2021]
				2017	2018	2019	2020	2021	
Johor	Sg. Skudai	Sg. Skudai	3JSKU011	89	89	91	92	92	B/C
	Sg. Tebrau	Sg. Bala	3JTRU008	53	46	42	55	47	T/P
		Sg. Pandan	3JTRU007	54	44	43	46	43	T/P
		Sg. Plentong	3JTRU004	60	53	52	56	66	ST/SP
		Sg. Sebulung	3JTRU009	58	47	38	53	58	T/P
		Sg. Sengkuang	3JTRU011	57	29	35	52	53	T/P
		Sg. Tampoi	3JTRU010	57	48	44	52	60	ST/SP
		Sg. Tebrau	3JTRU001	61	38	40	44	65	ST/SP
		Sg. Tebrau	3JTRU002	59	60	61	55	72	ST/SP
		Sg. Tebrau	3JTRU003	72	58	61	65	72	ST/SP
		Sg. Tebrau	3JTRU005	55	49	49	57	65	ST/SP
		Sg. Tebrau	3JTRU006	66	58	58	64	69	ST/SP
Pahang	Sg. Anak Endau	Sg. Anak Endau	4CAED001	83	88	92	94	95	B/C
		Sg. Anak Endau	4CAED002	77	78	81	84	87	B/C
	Sg. Balok	Sg. Balok	4CBLK001	79	68	68	66	82	B/C
		Sg. Balok	4CBLK002	71	69	69	70	77	ST/SP
		Sg. Panjang	4CBLK004	63	79	86	76	78	ST/SP
		Sg. Yior	4CBLK003	58	64	64	62	75	ST/SP
		Sg. Bebar	4CBBR001	64	76	79	76	86	B/C
	Sg. Bebar	Sg. Bebar	4CBBR002	78	84	85	82	92	B/C
		Sg. Merba	4CBBR005	80	75	86	85	91	B/C
		Sg. Serai	4CBBR003	71	80	80	75	85	B/C
		Sg. Serai	4CBBR004	79	82	83	85	88	B/C
		Sg. Cherating	Sg. Cherating	4CCHE001	82	83	79	81	86
	Sg. Kuantan	Sg. Belat	4CKTN001	79	83	79	80	86	B/C
		Sg. Charu	4CKTN006	85	86	92	93	96	B/C
		Sg. Galing Besar	4CKTN003	58	67	64	63	70	ST/SP
		Sg. Galing Besar	4CKTN004	67	68	61	64	62	ST/SP
		Sg. Kenau	4CKTN010	85	89	90	94	97	B/C
		Sg. Kuantan	4CKTN002	75	82	85	88	93	B/C
		Sg. Kuantan	4CKTN015	83	83	84	87	93	B/C
Sg. Kuantan		4CKTN016	87	85	88	90	93	B/C	
Sg. Kuantan		4CKTN017	84	87	91	93	96	B/C	
Sg. Kuantan		4CKTN018	90	91	92	94	96	B/C	
Sg. Kuantan		4CKTN019	75	81	81	80	85	B/C	

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021

2 (b) : Water Quality Status by Stations, 2021

NEGERI / STATE	LEMBANGAN / BASIN	SUNGAI / RIVER	NOMBOR STESEN / STATION NUMBER	NILAI IKA / WQI VALUE					KATEGORI IKA [2021] / WQI CATEGORY [2021]
				2017	2018	2019	2020	2021	
Pahang	Sg. Kuantan	Sg. Kuantan	4CKTN020	82	84	87	86	93	B/C
		Sg. Kuantan	4CKTN021	81	83	83	85	88	B/C
		Sg. Pandan	4CKTN012	82	86	83	87	93	B/C
		Sg. Pinang	4CKTN005	73	85	89	80	88	B/C
		Sg. Reman	4CKTN014	85	82	86	87	91	B/C
		Sg. Riau	4CKTN007	80	83	84	84	88	B/C
		Sg. Talam	4CKTN013	82	80	69	72	70	ST/SP
	Sg. Merchong	Sg. Merchong	4CMC0002	65	77	85	82	92	B/C
		Sg. Merchong	4CMC0003	78	80	87	89	93	B/C
	Sg. Pahang	Sg. Anak Sg. Lepar	4CPHG136	66	84	84	85	93	B/C
		Sg. Batu	4CPHG056	77	82	79	84	92	B/C
		Sg. Belayar	4CPHG135	90	91	89	94	94	B/C
		Sg. Bentong	4CPHG040	83	89	92	92	95	B/C
		Sg. Bentong	4CPHG045	85	81	82	87	91	B/C
		Sg. Bentong	4CPHG092	85	82	84	92	95	B/C
		Sg. Bentong	4CPHG133	88	85	79	86	93	B/C
		Sg. Bentong	4CPHG134	91	91	86	92	96	B/C
		Sg. Bentong	4CPHG144	83	81	82	86	89	B/C
		Sg. Benus	4CPHG047	87	82	82	91	91	B/C
		Sg. Benus	4CPHG118	88	90	85	94	94	B/C
		Sg. Benus	4CPHG152	91	89	87	93	96	B/C
		Sg. Bera	4CPHG019	80	79	82	83	86	B/C
		Sg. Bera	4CPHG020	78	80	82	84	86	B/C
		Sg. Bera	4CPHG058	80	80	85	85	86	B/C
		Sg. Bera	4CPHG059	78	83	88	85	91	B/C
		Sg. Bera	4CPHG063	78	86	85	85	86	B/C
		Sg. Berkelah	4CPHG098	83	92	92	93	97	B/C
		Sg. Bertam	4CBTM002	85	86	88	91	94	B/C
		Sg. Bertam	4CBTM010	76	76	81	74	79	ST/SP
		Sg. Bertam	4CBTM011	93	93	94	96	96	B/C
		Sg. Bertam	4CBTM013	94	92	94	97	97	B/C
		Sg. Bilut	4CPHG119	85	84	82	83	88	B/C
		Sg. Bilut	4CPHG129	82	85	87	85	92	B/C
Sg. Burung		4CBTM005	88	91	92	96	96	B/C	
Sg. Chini		4CPHG004	81	80	86	82	84	B/C	
Sg. Gapoi	4CPHG086	89	92	94	94	97	B/C		
Sg. Habu	4CBTM004	89	88	88	90	96	B/C		

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA [2021]/ WQI CATEGORY [2021]
				2017	2018	2019	2020	2021	
Pahang	Sg. Pahang	Sg. Jelai	4CPHG0130	85	88	88	90	93	B/C
		Sg. Jelai	4CPHG096	84	83	86	86	91	B/C
		Sg. Jelai	4CPHG125	83	82	87	88	90	B/C
		Sg. Jempol	4CPHG049	80	84	86	83	91	B/C
		Sg. Jempol	4CPHG050	89	86	90	93	97	B/C
		Sg. Jempol	4CPHG087	87	87	89	93	95	B/C
		Sg. Jempol	4CPHG088	82	83	89	90	95	B/C
		Sg. Jempol	4CPHG121	79	86	79	85	95	B/C
		Sg. Jengka	4CPHG041	84	86	88	92	95	B/C
		Sg. Jengka	4CPHG051	79	84	85	86	89	B/C
		Sg. Kecau	4CPHG091	78	82	74	83	87	B/C
		Sg. Kecau	4CPHG116	78	81	80	84	87	B/C
		Sg. Kecau	4CPHG151	89	85	84	89	89	B/C
		Sg. Kelau	4CPHG117	88	86	86	88	91	B/C
		Sg. Kelau	4CPHG145	84	82	82	82	86	B/C
		Sg. Kelau	4CPHG146	90	88	85	91	93	B/C
		Sg. Kelau	4CPHG153	82	81	83	84	89	B/C
		Sg. Kertam	4CPHG014	80	83	90	91	91	B/C
		Sg. Koyan	4CPHG033	90	89	88	89	94	B/C
		Sg. Krau	4CPHG003	85	89	90	92	94	B/C
		Sg. Kundang	4CPHG018	75	86	86	79	82	B/C
		Sg. Lenggok	4CBTM003	88	90	91	93	96	B/C
		Sg. Lepar	4CPHG006	87	87	91	92	91	B/C
		Sg. Lipis	4CPHG029	88	81	85	85	90	B/C
		Sg. Lipis	4CPHG030	86	86	86	88	91	B/C
		Sg. Lipis	4CPHG035	87	89	91	93	96	B/C
		Sg. Luit	4CPHG015	75	85	89	91	93	B/C
		Sg. Maran	4CPHG016	86	85	90	93	96	B/C
		Sg. Mentiga	4CPHG005	76	80	85	80	77	ST / SP
		Sg. Mentiga	4CPHG042	79	83	87	85	86	B/C
		Sg. Mentiga	4CPHG089	82	85	82	85	87	B/C
		Sg. Pahang	4CPHG007	82	82	83	82	90	B/C
		Sg. Pahang	4CPHG008	86	87	86	93	93	B/C
		Sg. Pahang	4CPHG010	82	84	86	87	90	B/C
		Sg. Pahang	4CPHG011	82	83	85	88	93	B/C
		Sg. Pahang	4CPHG012	79	85	90	89	93	B/C
		Sg. Pahang	4CPHG013	83	79	86	89	91	B/C

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY (2021)
				2017	2018	2019	2020	2021	
Pahang	Sg. Pahang	Sg. Pahang	4CPHG021	78	85	83	87	92	B/C
		Sg. Pahang	4CPHG022	84	78	88	87	91	B/C
		Sg. Pahang	4CPHG023	91	91	91	91	94	B/C
		Sg. Pahang	4CPHG027	87	87	83	88	94	B/C
		Sg. Pahang	4CPHG054	76	85	87	87	90	B/C
		Sg. Pahang	4CPHG055	80	80	83	86	91	B/C
		Sg. Pahang	4CPHG097	84	83	84	88	93	B/C
		Sg. Pahang	4CPHG100	79	85	83	84	89	B/C
		Sg. Pahang	4CPHG104	87	87	87	87	91	B/C
		Sg. Pahang	4CPHG111	83	80	83	89	92	B/C
		Sg. Pahang	4CPHG113	80	85	84	87	92	B/C
		Sg. Pahang	4CPHG124	84	88	87	89	91	B/C
		Sg. Pahang	4CPHG126	85	81	89	88	92	B/C
		Sg. Pahang	4CPHG127	82	85	84	89	88	B/C
		Sg. Pahang	4CPHG131	78	81	84	88	88	B/C
		Sg. Pahang	4CPHG137	81	82	85	86	93	B/C
		Sg. Pahang	4CPHG138	78	83	84	85	90	B/C
		Sg. Pahang	4CPHG139	82	84	82	83	90	B/C
		Sg. Pahang	4CPHG141	84	79	83	87	91	B/C
		Sg. Pahang	4CPHG148	86	82	85	88	92	B/C
		Sg. Pahang	4CPHG150	86	83	86	87	89	B/C
		Sg. Penjuring	4CPHG044	91	91	87	94	97	B/C
		Sg. Pertang	4CPHG132	86	83	79	91	90	B/C
		Sg. Perting	4CPHG120	89	90	91	94	96	B/C
		Sg. Raub	4CPHG123	87	89	89	93	95	B/C
		Sg. Retang	4CPHG105	86	87	87	92	93	B/C
		Sg. Ringlet	4CBTM001	85	83	82	83	91	B/C
		Sg. Salak	4CPHG122	80	86	89	87	91	B/C
		Sg. Semantan	4CPHG025	80	83	83	87	92	B/C
		Sg. Semantan	4CPHG036	84	89	90	91	92	B/C
		Sg. Semantan	4CPHG061	82	85	84	87	90	B/C
		Sg. Semantan	4CPHG084	71	84	86	88	93	B/C
		Sg. Serting	4CPHG101	79	80	80	84	85	B/C
		Sg. Serting	4CPHG102	74	83	83	85	84	B/C
		Sg. T. Paya Bungor	4CPHG002	91	84	85	91	91	B/C
		Sg. Tahan	4CPHG109	85	87	88	91	92	B/C
		Sg. Tanglir	4CPHG048	85	86	87	88	94	B/C

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA [2021]/ WQI CATEGORY [2021]
				2017	2018	2019	2020	2021	
Pahang	Sg. Pahang	Sg. Tanglir	4CPHG053	81	83	87	89	87	B/C
		Sg. Tanglir	4CPHG057	80	83	84	87	84	B/C
		Sg. Tanglir	4CPHG106	79	80	86	88	86	B/C
		Sg. Tanglir	4CPHG107	87	84	86	88	88	B/C
		Sg. Tasik Bera	4CPHG140	81	84	86	91	88	B/C
		Sg. Tasik Chini	4CPHG043	87	88	89	92	88	B/C
		Sg. Tasik Chini	4CPHG060	82	90	90	93	90	B/C
		Sg. Tasik Chini	4CPHG071	87	89	90	91	92	B/C
		Sg. Tasik Chini	4CPHG108	87	88	90	92	93	B/C
		Sg. Tasik Chini	4CPHG110	89	89	90	91	89	B/C
		Sg. Tasik Chini	4CPHG112	88	89	90	93	89	B/C
		Sg. Tasik Chini	4CPHG114	85	90	89	92	92	B/C
		Sg. Tasik Chini	4CPHG115	88	90	91	92	90	B/C
		Sg. Tasik Chini	4CPHG130	89	92	89	92	90	B/C
		Sg. Tasik Chini	4CPHG143	86	89	89	92	87	B/C
		Sg. Teh	4CPHG090	78	80	90	93	94	B/C
		Sg. Tekal	4CPHG062	83	83	81	85	89	B/C
		Sg. Telang	4CPHG032	87	89	90	91	94	B/C
		Sg. Telemong	4CPHG046	91	89	86	94	96	B/C
		Sg. Telemong	4CPHG093	78	85	91	93	93	B/C
		Sg. Telemong	4CPHG094	90	91	89	91	97	B/C
		Sg. Telom	4CBTM008	82	86	86	86	95	B/C
		Sg. Telom	4CBTM009	74	83	83	86	93	B/C
		Sg. Tembeling	4CPHG142	87	84	88	91	90	B/C
		Sg. Teranum	4CPHG038	90	88	87	95	96	B/C
		Sg. Teras	4CPHG037	91	90	87	93	96	B/C
		Sg. Teras	4CPHG147	92	88	88	91	96	B/C
		Sg. Teris	4CPHG081	80	89	87	91	94	B/C
		Sg. Teris	4CPHG082	85	87	87	92	95	B/C
		Sg. Teris	4CPHG083	84	88	88	92	94	B/C
		Sg. Terla	4CBTM007	90	91	91	92	95	B/C
		Sg. Terla	4CBTM012	86	92	88	95	97	B/C
		Sg. Triang	4CPHG024	79	84	85	88	91	B/C
		Sg. Triang	4CPHG074	77	83	86	88	91	B/C
		Sg. Tringkap	4CBTM006	86	85	82	89	94	B/C
		Sg. Ulong	4CBTM014	92	93	94	96	97	B/C
	Sg. Aur	4CRPN005	86	84	86	86	91	B/C	
	Sg. Bakar	4CRPN016	88	80	71	75	69	ST/SP	
	Sg. Jekatih	4CRPN012	81	83	86	87	91	B/C	

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY (2021)
				2017	2018	2019	2020	2021	
Pahang	Sg. Rompin	Sg. Jekath	4CRPN013	85	84	84	87	90	B/C
		Sg. Jeram	4CRPN006	84	84	88	88	93	B/C
		Sg. Kepasing	4CRPN010	87	79	81	88	90	B/C
		Sg. Keratong	4CRPN011	81	83	82	84	87	B/C
		Sg. Keratong	4CRPN018	75	83	86	84	91	B/C
		Sg. Keratong	4CRPN021	76	82	85	86	93	B/C
		Sg. Keratong	4CRPN022	77	81	83	88	93	B/C
		Sg. Pontian	4CRPN003	85	86	87	85	90	B/C
		Sg. Pukin	4CRPN014	83	80	83	87	90	B/C
		Sg. Pukin	4CRPN015	86	79	83	84	90	B/C
		Sg. Pukin	4CRPN017	83	84	83	87	89	B/C
		Sg. Rompin	4CRPN004	81	82	86	78	88	B/C
		Sg. Rompin	4CRPN007	80	84	88	79	92	B/C
		Sg. Rompin	4CRPN008	83	83	86	85	93	B/C
		Sg. Rompin	4CRPN020	84	82	87	83	93	B/C
		Sg. Rompin	4CRPN030	82	84	86	86	90	B/C
		Sg. Sepayang	4CRPN002	73	82	84	77	84	B/C
	Sg. Tonggak	Sg. Tonggak	4CTGK001	72	69	73	80	82	B/C
		Sg. Tonggak	4CTGK002	82	66	63	65	80	ST/SP
	Terengganu	Sg. Besut	Sg. Besut	4TBST002	78	88	89	91	93
Sg. Besut			4TBST003	88	89	91	92	94	B/C
Sg. Besut			4TBST004	85	90	91	93	96	B/C
Sg. Besut			4TBST005	90	87	91	92	93	B/C
Sg. Besut			4TBST006	86	84	89	92	94	B/C
Sg. Jerthi			4TBST001	80	85	84	88	92	B/C
Sg. Chukai		Sg. Bungkus	4TCKI006	75	80	82	80	83	B/C
		Sg. Chukai	4TCKI003	82	79	80	80	87	B/C
		Sg. Ibok	4TCKI001	79	80	79	81	87	B/C
		Sg. Ibok	4TCKI002	81	84	86	91	91	B/C
		Sg. Ruang	4TCKI004	79	76	74	74	80	ST/SP
		Sg. Ruang	4TCKI005	74	74	73	65	80	ST/SP
Sg. Dungun		Sg. Dungun	4TDGN002	83	88	90	92	96	B/C
		Sg. Dungun	4TDGN003	89	90	88	91	95	B/C
		Sg. Dungun	4TDGN004	82	88	88	90	94	B/C
		Sg. Dungun	4TDGN005	80	91	90	90	94	B/C
	Sg. Dungun	4TDGN006	83	90	85	91	94	B/C	
	Sg. Telemboh	4TDGN001	77	83	86	86	89	B/C	

2 [b] : Status Kualiti Air Sungai mengikut Stesen, 2021
2 [b] : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY (2021)
				2017	2018	2019	2020	2021	
Terengganu	Sg. Ibai	Sg. Ibai	4TIBI001	71	72	77	81	75	ST/SP
		Sg. Ibai	4TIBI002	70	76	81	79	84	B/C
		Sg. Ibai	4TIBI003	75	81	79	85	82	B/C
	Sg. Kemaman	Sg. Cherul	4TKMM003	82	87	84	90	92	B/C
		Sg. Cherul	4TKMM004	81	85	85	91	91	B/C
		Sg. Cherul	4TKMM010	80	87	81	89	90	B/C
		Sg. Kemaman	4TKMM007	87	90	90	92	95	B/C
		Sg. Kemaman	4TKMM008	74	83	85	87	94	B/C
		Sg. Kemaman	4TKMM009	82	81	82	86	90	B/C
		Sg. Neram	4TKMM005	73	73	31	75	86	B/C
		Sg. Perasing	4TKMM006	85	85	82	82	92	B/C
		Sg. Ransan	4TKMM001	74	70	64	65	78	ST/SP
		Sg. Ransan	4TKMM002	84	88	87	91	95	B/C
		Sg. Kertih	Sg. Kertih	4TKTH001	80	84	84	82	88
	Sg. Kertih		4TKTH002	80	85	83	87	83	B/C
	Sg. Kluang	Sg. Kluang	4TKLU005	74	82	83	88	84	B/C
	Sg. Marang	Sg. Kerak	4TMRG001	45	70	81	79	82	B/C
		Sg. Marang	4TMRG002	78	85	83	88	89	B/C
		Sg. Temala	4TMRG003	85	85	87	91	92	B/C
	Sg. Merang	Sg. Merang	4TMER001	62	81	77	82	77	ST/SP
	Sg. Merchang	Sg. Landas	4TMCA001	78	69	65	71	87	B/C
		Sg. Merchang	4TMCA002	69	70	72	71	80	ST/SP
	Sg. Paka	Sg. Besul	4TPKA001	80	87	86	92	96	B/C
		Sg. Paka	4TPKA005	80	84	84	87	88	B/C
		Sg. Paka	4TPKA006	83	85	84	88	92	B/C
		Sg. Paka	4TPKA007	76	89	87	88	90	B/C
		Sg. Rasau	4TPKA003	83	83	79	83	85	B/C
		Sg. Rasau	4TPKA004	76	75	79	77	83	B/C
		Sg. Rengat	4TPKA002	88	87	85	84	91	B/C
	Sg. Setiu	Sg. Bari	4TSTU002	86	90	91	92	95	B/C
		Sg. Chalok	4TSTU001	87	90	86	85	94	B/C
		Sg. Chalok	4TSTU005	89	89	89	90	92	B/C
		Sg. Chalok	4TSTU006	75	82	84	83	83	B/C
Sg. Setiu		4TSTU004	79	86	84	87	93	B/C	
Sg. Setiu		4TSTU007	83	90	86	90	94	B/C	
Sg. Tarom		4TSTU003	85	89	88	89	94	B/C	
Sg. Terengganu	Sg. Berang	4TTGG002	83	88	91	89	92	B/C	

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY (2021)
				2017	2018	2019	2020	2021	
Kelantan	Sg. Kelantan	Sg. Pergau	4DKLT051	86	92	92	91	96	B/C
		Sg. Pergau	4DKLT052	88	90	88	92	94	B/C
		Sg. Rasau	4DKLT061	74	78	81	80	80	ST/SP
		Sg. Relai	4DKLT012	84	80	83	90	91	B/C
		Sg. Relai	4DKLT030	85	86	86	88	91	B/C
		Sg. Sokor	4DKLT042	86	87	83	86	89	B/C
		Sg. Tuang	4DKLT035	86	89	87	90	94	B/C
	Sg. Kemasin	Sg. Gali	4DKMS006	71	76	76	79	75	ST/SP
		Sg. Kemasin	4DKMS001	82	83	83	84	90	B/C
		Sg. Kemasin	4DKMS003	70	77	73	75	76	ST/SP
		Sg. Semerak	4DKMS002	82	86	84	85	91	B/C
		Sg. Semerak	4DKMS004	85	88	83	86	89	B/C
		Sg. Semerak	4DKMS005	84	85	88	80	77	ST/SP
	Sg. Pengkalan Chepa	Sg. Alor B	4DPCH003	63	57	48	65	63	ST/SP
		Sg. Alor Lintah	4DPCH004	65	62	61	76	68	ST/SP
		Sg. Keladi	4DPCH002	77	79	78	76	84	B/C
		Sg. Pengkalan Chepa	4DPCH005	56	62	50	68	70	ST/SP
		Sg. Pengkalan Chepa	4DPCH006	71	71	69	75	82	B/C
		Sg. Raja Gali	4DPCH001	78	72	73	79	87	B/C
	Sg. Pengkalan Datu	Sg. Pasir Hor	4DPDT004	78	78	67	73	77	ST/SP
		Sg. Pengkalan Datu	4DPDT001	79	75	76	83	86	B/C
		Sg. Pengkalan Datu	4DPDT002	71	80	73	83	87	B/C
		Sg. Pengkalan Datu	4DPDT003	77	80	77	86	86	B/C
	Sarawak	Sg. Balingian	Sg. Balingian	6QBLG001	68	75	83	90	87
Sg. Balingian			6QBLG002	89	88	88	88	86	B/C
Sg. Baram		Sg. Baram	6QBRM001	78	83	86	79	81	B/C
		Sg. Baram	6QBRM002	78	80	85	81	83	B/C
		Sg. Baram	6QBRM003	87	86	90	89	89	B/C
		Sg. Baram	6QBRM004	86	85	92	90	88	B/C
		Sg. Tutuh	6QBRM005	86	85	92	90	-	-
Sg. Kayan		Sg. Kayan	6QKYN001	70	75	77	77	76	ST/SP
		Sg. Kayan	6QKYN002	78	76	79	82	83	B/C
		Sg. Kayan	6QKYN003	86	87	85	87	88	B/C
Sg. Kemena		Sg. Kemena	6QKMN001	76	83	82	82	82	B/C
		Sg. Kemena	6QKMN002	81	83	84	89	83	B/C
	Sg. Kemena	6QKMN003	80	89	86	81	80	ST/SP	

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY (2021)
				2017	2018	2019	2020	2021	
Sarawak	Sg. Kemena	Sg. Kemena	6QKMN004	84	88	89	91	83	B/C
		Sg. Sibiu	6QKMN005	75	87	83	81	79	ST/SP
	Sg. Kerian	Sg. Kerian	6QKRN014	73	77	80	82	81	B/C
		Sg. Kerian	6QKRN015	87	89	86	89	84	B/C
		Sg. Seblak	6QKRN016	80	85	82	84	88	B/C
		Sg. Selalang	6QKRN017	90	93	91	92	92	B/C
		Sg. Lawas	6QLWS001	89	88	91	89	87	B/C
	Sg. Lawas	Sg. Lawas	6QLWS002	85	86	90	87	88	B/C
		Sg. Lawas	6QLWS003	87	86	91	89	90	B/C
		Sg. Limbang	6QLBG001	84	84	90	88	86	B/C
	Sg. Limbang	Sg. Limbang	6QLBG002	83	84	91	87	86	B/C
		Sg. Limbang	6QLBG003	87	87	91	88	90	B/C
		Sg. Limbang	6QLBG004	88	88	92	90	91	B/C
		Sg. Limbang	6QLBG005	90	90	92	92	88	B/C
		Sg. Ai	6QLPR001	88	91	92	89	91	B/C
	Sg. Lupar	Sg. Ai	6QLPR002	90	92	92	91	91	B/C
		Sg. Lupar	6QLPR003	59	82	81	77	83	B/C
		Sg. Lupar	6QLPR004	65	80	81	82	85	B/C
		Sg. Lupar	6QLPR005	89	90	91	89	85	B/C
		Sg. Sekerang	6QLPR006	83	90	91	92	88	B/C
		Sg. Seterap	6QLPR007	79	86	86	82	86	B/C
		Sg. Undup	6QLPR008	88	91	88	91	85	B/C
		Sg. Adong	6QMRI001	52	54	70	83	78	ST/SP
	Sg. Miri	Sg. Dalam	6QMRI002	71	71	74	84	83	B/C
		Sg. Lutong	6QMRI003	67	72	86	80	82	B/C
		Sg. Lutong	6QMRI004	62	72	86	77	80	ST/SP
		Sg. Miri	6QMRI005	59	56	75	87	88	B/C
		Sg. Miri	6QMRI006	52	60	76	88	88	B/C
		Sg. Padang Liku	6QMRI007	80	80	90	89	88	B/C
		Sg. Mukah	6QMKH001	74	78	81	85	80	ST/SP
	Sg. Mukah	Sg. Mukah	6QMKH002	60	71	83	89	82	B/C
		Sg. Mukah	6QMKH003	70	77	85	89	81	B/C
		Sg. Mukah	6QMKH004	85	87	88	89	87	B/C
		Sg. Mukah	6QMKH005	82	85	83	89	84	B/C
		Sg. Niah	6QNIA001	83	89	90	86	87	B/C
	Sg. Niah	Sg. Niah	6QNIA002	78	88	90	86	86	B/C
		Sg. Sekaloh	6QNIA003	73	71	69	68	64	ST/SP
		Sg. Sekaloh	6QNIA004	77	85	83	87	86	B/C

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021

2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA [2021]/ WQI CATEGORY [2021]
				2017	2018	2019	2020	2021	
Terengganu	Sg. Terengganu	Sg. Berang	4TTGG011	87	92	90	92	97	B/C
		Sg. Nerus	4TTGG004	86	88	84	85	91	B/C
		Sg. Nerus	4TTGG005	84	89	91	92	95	B/C
		Sg. Nerus	4TTGG006	83	89	91	89	93	B/C
		Sg. Nerus	4TTGG010	63	68	60	66	68	ST/SP
		Sg. Nerus	4TTGG014	88	85	87	90	94	B/C
		Sg. Nerus	4TTGG015	83	88	90	91	94	B/C
		Sg. Pueh	4TTGG007	88	63	65	70	82	B/C
		Sg. Pueh	4TTGG008	86	75	72	77	89	B/C
		Sg. Telemong	4TTGG012	87	84	89	88	93	B/C
		Sg. Terengganu	4TTGG001	80	85	86	87	91	B/C
		Sg. Terengganu	4TTGG003	84	90	91	90	95	B/C
		Sg. Terengganu	4TTGG009	85	84	87	87	88	B/C
		Sg. Terengganu	4TTGG013	81	88	89	89	92	B/C
Kelantan	Sg. Golok	Sg. Golok	4DGLK002	87	83	87	86	93	B/C
		Sg. Golok	4DGLK003	90	90	90	94	97	B/C
		Sg. Golok	4DGLK004	90	86	82	87	93	B/C
		Sg. Golok	4DGLK005	87	80	86	89	93	B/C
		Sg. Golok	4DGLK006	87	83	84	86	91	B/C
		Sg. Jedok	4DGLK008	92	86	88	90	95	B/C
		Sg. Lanas	4DGLK007	91	85	86	84	94	B/C
		Sg. Tasik Garu	4DGLK001	85	78	76	80	85	B/C
	Sg. Kelantan	Sg. Aring	4DKLT013	80	76	76	79	80	ST/SP
		Sg. Belatop	4DKLT020	83	79	80	83	89	B/C
		Sg. Belatop	4DKLT021	89	86	86	87	96	B/C
		Sg. Belatop	4DKLT046	77	77	74	78	82	B/C
		Sg. Ber	4DKLT018	79	79	84	87	91	B/C
		Sg. Berok	4DKLT016	87	75	79	81	83	B/C
		Sg. Berok	4DKLT019	83	80	82	88	90	B/C
		Sg. Berok	4DKLT022	84	79	81	81	84	B/C
		Sg. Betis	4DKLT017	87	83	84	86	93	B/C
		Sg. Chiku	4DKLT037	83	84	83	88	88	B/C
		Sg. Chiku	4DKLT043	88	86	87	89	90	B/C
		Sg. Galas	4DKLT014	80	84	83	89	89	B/C
		Sg. Galas	4DKLT031	85	88	86	89	90	B/C
		Sg. Galas	4DKLT032	80	85	87	87	92	B/C
		Sg. Galas	4DKLT033	82	83	79	84	81	B/C

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021

2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA / WQI VALUE					KATEGORI IKA [2021]/ WQI CATEGORY [2021]
				2017	2018	2019	2020	2021	
Kelantan	Sg. Kelantan	Sg. Galas	4DKLT034	79	82	81	82	79	ST/SP
		Sg. Isos	4DKLT049	71	68	73	73	73	ST/SP
		Sg. Kelantan	4DKLT001	78	79	82	82	83	B/C
		Sg. Kelantan	4DKLT006	77	81	78	78	87	B/C
		Sg. Kelantan	4DKLT010	77	82	81	84	83	B/C
		Sg. Kelantan	4DKLT045	73	81	78	80	84	B/C
		Sg. Kelantan	4DKLT054	87	84	87	88	89	B/C
		Sg. Kelantan	4DKLT055	90	85	85	85	93	B/C
		Sg. Kelantan	4DKLT056	81	79	78	81	83	B/C
		Sg. Kelesa	4DKLT015	80	80	84	87	94	B/C
		Sg. Kenkren	4DKLT047	87	89	88	92	93	B/C
		Sg. Kerilla	4DKLT002	88	89	87	92	94	B/C
		Sg. Kerilla	4DKLT003	88	89	90	91	94	B/C
		Sg. Ketil	4DKLT036	89	86	86	90	97	B/C
		Sg. Ketil	4DKLT053	89	86	84	90	96	B/C
		Sg. Lebir	4DKLT026	86	85	89	92	94	B/C
		Sg. Lebir	4DKLT027	84	80	78	85	87	B/C
		Sg. Lebir	4DKLT028	88	84	85	88	94	B/C
		Sg. Lebir	4DKLT029	84	82	82	84	87	B/C
		Sg. Lebir	4DKLT058	85	88	85	88	95	B/C
		Sg. Muring	4DKLT059	88	88	84	85	92	B/C
		Sg. Nal	4DKLT007	87	87	89	89	93	B/C
		Sg. Nal	4DKLT008	84	81	85	88	91	B/C
		Sg. Nal	4DKLT009	84	83	85	87	91	B/C
		Sg. Nenggiri	4DKLT023	87	77	82	82	83	B/C
		Sg. Nenggiri	4DKLT024	79	80	80	83	86	B/C
		Sg. Nenggiri	4DKLT025	82	79	80	80	78	ST/SP
		Sg. Pehi	4DKLT011	79	89	87	88	92	B/C
		Sg. Pehi	4DKLT044	86	84	88	86	90	B/C
		Sg. Pelaur	4DKLT048	91	90	88	90	96	B/C
		Sg. Penangau	4DKLT050	87	81	82	78	87	B/C
		Sg. Pergau	4DKLT004	89	91	93	91	96	B/C
		Sg. Pergau	4DKLT005	87	90	89	90	95	B/C
		Sg. Pergau	4DKLT038	90	89	92	94	96	B/C
		Sg. Pergau	4DKLT039	89	91	92	94	97	B/C
		Sg. Pergau	4DKLT040	89	92	93	94	97	B/C
		Sg. Pergau	4DKLT041	86	86	87	90	94	B/C

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESIN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY [2021]	
				2017	2018	2019	2020	2021		
Sarawak	Sg. Oya	Sg. Oya	6QOYA001	68	81	82	79	76	ST/SP	
		Sg. Oya	6QOYA002	68	72	84	89	81	B/C	
		Sg. Oya	6QOYA003	84	86	91	89	89	B/C	
	Sg. Rajang	Sg. Baloi	6QRJG019	81	84	89	89	-	-	
		Sg. Binatang	6QRJG004	86	89	89	89	89	B/C	
		Sg. Daro	6QRJG021	51	63	76	80	62	ST/SP	
		Sg. Jemareng	6QRJG022	55	61	78	80	63	ST/SP	
		Sg. Julau	6QRJG005	89	91	90	88	86	B/C	
		Sg. Kanowit	6QRJG006	86	87	88	89	87	B/C	
		Sg. Meradong	6QRJG003	73	84	86	80	82	B/C	
		Sg. Pakan	6QRJG020	85	91	89	88	89	B/C	
		Sg. Pila Parit	6QRJG023	63	69	81	62	77	ST/SP	
		Sg. Rajang	6QRJG008	69	86	82	83	86	B/C	
		Sg. Rajang	6QRJG009	71	86	80	84	86	B/C	
		Sg. Rajang	6QRJG010	70	86	85	82	86	B/C	
		Sg. Rajang	6QRJG011	77	84	86	80	85	B/C	
		Sg. Rajang	6QRJG012	62	73	78	85	84	B/C	
		Sg. Rajang	6QRJG013	81	85	85	87	86	B/C	
		Sg. Rajang	6QRJG014	82	84	85	85	84	B/C	
		Sg. Rajang	6QRJG015	80	85	88	85	83	B/C	
		Sg. Rajang	6QRJG016	83	83	88	85	86	B/C	
		Sg. Rajang	6QRJG017	84	85	88	90	86	B/C	
		Sg. Rajang	6QRJG018	84	86	87	90	84	B/C	
		Sg. Salim	6QRJG007	62	77	80	83	81	B/C	
		Sg. Sarikei	6QRJG001	65	84	83	80	86	B/C	
		Sg. Sarikei	6QRJG002	82	88	90	89	90	B/C	
		Sg. Sadong	Sg. Karangan	6QSDG001	71	66	71	68	69	ST/SP
			Sg. Karangan	6QSDG002	66	81	83	87	87	B/C
			Sg. Sadong	6QSDG003	67	75	75	73	81	B/C
	Sg. Sadong		6QSDG004	87	65	71	72	66	ST/SP	
	Sg. Sadong		6QSDG005	87	90	87	88	90	B/C	
	Sg. Sadong		6QSDG006	60	91	89	90	91	B/C	
	Sg. Tarat		6QSDG007	91	92	90	91	90	B/C	
	Sg. Sarawak	Sg. Kelantan	6QSWK017	84	86	84	74	59	T/P	
		Sg. Kuap	6QSWK009	77	84	83	79	88	B/C	
		Sg. Kuap	6QSWK010	80	89	87	87	88	B/C	

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA [2021]/ WQI CATEGORY [2021]
				2017	2018	2019	2020	2021	
Sarawak	Sg. Sarawak	Sg. Maong Kiri	6QSWK011	65	68	76	72	73	ST/SP
		Sg. Samarahan	6QSWK013	75	66	68	65	63	ST/SP
		Sg. Samarahan	6QSWK014	86	83	79	80	85	B/C
		Sg. Sarawak	6QSWK001	83	85	83	81	84	B/C
		Sg. Sarawak	6QSWK003	83	86	85	83	85	B/C
		Sg. Sarawak	6QSWK004	86	91	86	88	87	B/C
		Sg. Sarawak	6QSWK006	83	85	82	84	80	ST/SP
		Sg. Sarawak	6QSWK007	88	92	89	90	88	B/C
		Sg. Sarawak	6QSWK008	89	91	90	91	89	B/C
		Sg. Sarawak Kanan	6QSWK002	87	86	85	82	84	B/C
		Sg. Sarawak Kiri	6QSWK005	88	92	87	88	87	B/C
		Sg. Semadang	6QSWK016	90	93	90	89	90	B/C
		Sg. Semenggoh	6QSWK012	78	67	77	71	78	ST/SP
		Sg. Tabuan	6QSWK015	72	80	73	77	76	ST/SP
		Sg. Tapah	6QSWK018	89	89	89	89	91	B/C
	Sg. Saribas	Sg. Layar	6QSRB002	86	79	86	85	88	B/C
		Sg. Layar	6QSRB003	69	91	90	87	90	B/C
		Sg. Saribas	6QSRB001	67	78	80	74	79	ST/SP
	Sg. Semunsam	Sg. Semunsam	6QSMS001	86	89	85	87	80	ST/SP
	Sg. Sibuti	Sg. Kabuloh	6QSBT001	51	56	64	76	61	ST/SP
		Sg. Kabuloh	6QSBT002	84	88	72	69	64	ST/SP
		Sg. Kejapil	6QSBT003	81	85	90	88	89	B/C
		Sg. Satap	6QSBT004	72	79	86	88	84	B/C
		Sg. Sibuti	6QSBT005	83	82	88	82	84	B/C
		Sg. Sibuti	6QSBT006	79	85	86	87	88	B/C
	Sg. Similajau	Sg. Similajau	6QSMLO01	83	90	89	90	86	B/C
		Sg. Similajau	6QSMLO02	86	88	88	89	84	B/C
	Sg. Suai	Sg. Suai	6QSUA001	76	84	89	88	87	B/C
	Sg. Tatau	Sg. Tatau	6QTTU001	82	86	87	88	85	B/C
	Sg. Trusan	Sg. Trusan	6QTSN001	88	90	92	88	88	B/C
Sabah	Sg. Apas	Sg. Apas	5SAPS001	78	89	91	89	90	B/C
	Sg. Balung	Sg. Balung	5SBLU001	88	89	93	87	91	B/C
	Sg. Bengkoka	Sg. Bengkoka	5SBKK001	91	88	88	90	91	B/C
		Sg. Bengkoka	5SBKK002	90	87	85	86	86	B/C
	Sg. Bingkongan	Sg. Bandau	5SBKG001	94	91	90	91	92	B/C
		Sg. Bingkongan	5SBKG005	93	92	92	92	94	B/C
Sg. Bingkongan		5SBKG006	92	92	93	91	94	B/C	

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021

2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY (2021)
				2017	2018	2019	2020	2021	
Sabah	Sg. Bingkongan	Sg. Menggaris	5SBKG002	92	93	91	93	93	B/C
		Sg. Menggaris	5SBKG003	92	91	92	92	92	B/C
		Sg. Tandek	5SBKG004	92	90	90	91	91	B/C
	Sg. Bongawan	Sg. Bongawan	5SBGW001	88	90	88	87	87	B/C
	Sg. Brantian	Sg. Brantian	5SBTN001	88	86	91	86	84	B/C
	Sg. Kalabakan	Sg. Kalabakan	5SKBK001	83	86	89	85	85	B/C
		Sg. Kalabakan	5SKBK002	83	85	85	84	84	B/C
		Sg. Kalabakan	5SKBK003	86	84	85	82	83	B/C
	Sg. Kalumpang	Sg. Kalumpang	5SKLP001	77	85	90	86	86	B/C
		Sg. Kalumpang	5SKLP002	79	84	92	86	90	B/C
		Sg. Kalumpang	5SKLP003	88	86	87	84	85	B/C
		Sg. Pang Burong 1	5SKLP004	86	87	89	83	86	B/C
		Sg. Pang Burong 2	5SKLP005	87	74	76	69	85	B/C
	Sg. Kedamaian	Sg. Kedamaian	5SKDI004	91	92	93	90	93	B/C
		Sg. Tempasuk	5SKDI001	88	91	91	87	93	B/C
		Sg. Tempasuk	5SKDI002	90	92	93	91	92	B/C
		Sg. Wariu	5SKDI003	89	92	91	91	93	B/C
	Sg. Kimanis	Sg. Kimanis	5SKMA001	85	92	89	87	90	B/C
	Sg. Kinabatangan	Sg. Karamuak	5SKBT006	93	91	92	91	92	B/C
		Sg. Kinabatangan	5SKBT001	87	83	87	85	86	B/C
		Sg. Kinabatangan	5SKBT002	80	82	88	82	84	B/C
		Sg. Kinabatangan	5SKBT004	84	83	88	84	87	B/C
		Sg. Kinabatangan	5SKBT005	81	84	90	86	85	B/C
		Sg. Koyah	5SKBT003	87	85	88	87	89	B/C
		Sg. Leepang	5SKBT009	81	84	88	84	85	B/C
		Sg. Menanggul	5SKBT008	77	86	87	81	86	B/C
		Sg. Pin	5SKBT010	79	86	85	86	87	B/C
		Sg. Takala	5SKBT007	81	86	88	85	88	B/C
	Sg. Labok	Sg. Kinipir	5SLBK001	90	90	91	90	91	B/C
		Sg. Kinipir	5SLBK002	88	92	91	86	91	B/C
		Sg. Labok	5SLBK006	87	90	89	87	86	B/C
		Sg. Liwagu	5SLBK003	87	92	91	88	89	B/C
		Sg. Liwagu	5SLBK004	90	90	91	88	88	B/C
		Sg. Maliau	5SLBK005	92	91	93	92	94	B/C
		Sg. Tungud	5SLBK007	90	91	90	88	91	B/C
	Sg. Lakutan	Sg. Lakutan	5SLKT001	90	91	90	89	93	B/C
	Sg. Likas	Sg. Darau	5SLKS008	78	85	76	80	83	B/C

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA / WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY (2021)
				2017	2018	2019	2020	2021	
Sabah	Sg. Likas	Sg. Inanam	SSLKS001	85	83	77	79	81	B/C
		Sg. Inanam	SSLKS002	78	85	82	84	87	B/C
		Sg. Inanam	SSLKS003	92	92	93	92	93	B/C
		Sg. Likas	SSLKS004	81	75	70	77	73	ST/SP
		Sg. Likas	SSLKS005	76	77	85	78	77	ST/SP
		Sg. Menggatal	SSLKS006	89	86	85	81	87	B/C
		Sg. Menggatal	SSLKS007	89	93	91	87	91	B/C
	Sg. Lingkungan	Sg. Bukau	SSLKG002	92	91	90	88	92	B/C
		Sg. Lingkungan	SSLKG001	93	92	89	91	93	B/C
	Sg. Membakut	Sg. Membakut	SSMBT001	83	90	87	85	87	B/C
	Sg. Menggalong	Sg. Menggalong	SSMGL001	89	86	86	86	91	B/C
		Sg. Menggalong	SSMGL002	90	91	93	92	93	B/C
	Sg. Merotai	Sg. Merotai	SSMRT001	87	91	87	88	90	B/C
		Sg. Merotai	SSMRT002	92	91	89	92	94	B/C
		Sg. Merotai	SSMRT003	89	89	84	87	90	B/C
	Sg. Mounad	Sg. Mounad	SSMND001	85	87	86	85	89	B/C
		Sg. Mounad	SSMND002	86	87	88	86	86	B/C
	Sg. Moyog	Sg. Moyog	SSMYG001	92	91	90	86	88	B/C
		Sg. Moyog	SSMYG002	92	92	92	89	92	B/C
		Sg. Moyog	SSMYG003	91	93	92	92	94	B/C
		Sg. Moyog	SSMYG004	91	92	93	92	94	B/C
	Sg. Padas	Sg. Bunsit	SSPDS001	94	91	92	91	93	B/C
		Sg. Liawan	SSPDS002	92	92	91	91	91	B/C
		Sg. Padas	SSPDS003	89	89	86	86	87	B/C
		Sg. Padas	SSPDS004	86	89	88	88	90	B/C
		Sg. Padas	SSPDS005	88	87	89	86	88	B/C
		Sg. Padas	SSPDS011	86	88	86	85	88	B/C
		Sg. Pangatan	SSPDS006	85	88	86	87	88	B/C
		Sg. Pegalan	SSPDS008	88	89	90	89	91	B/C
		Sg. Pegalan	SSPDS009	90	90	88	87	86	B/C
		Sg. Pegalan	SSPDS010	84	89	86	86	87	B/C
		Sg. Tandulu	SSPDS007	92	92	90	91	92	B/C
	Sg. Paitan	Sg. Paitan	SSPTN001	91	88	88	85	91	B/C
	Sg. Papar	Sg. Papar	SSPPR001	91	92	91	89	91	B/C
		Sg. Papar	SSPPR002	91	89	91	90	91	B/C
		Sg. Papar	SSPPR003	88	91	91	89	90	B/C
		Sg. Papar	SSPPR004	92	92	92	90	91	B/C

2 (b) : Status Kualiti Air Sungai mengikut Stesen, 2021
2 (b) : Water Quality Status by Stations, 2021

NEGERI/ STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	NILAI IKA/ WQI VALUE					KATEGORI IKA (2021)/ WQI CATEGORY (2021)
				2017	2018	2019	2020	2021	
Sabah	Sg. Papar	Sg. Papar	5SPPR005	92	93	93	92	91	B/C
	Sg. Sapi	Sg. Sapi	5SSAP002	84	84	87	85	85	B/C
		Sg. Sapi	5SSAP003	84	84	86	86	86	B/C
		Sg. Sapi	5SSAP004	86	88	89	87	88	B/C
		Sg. Sualong	5SSAP001	94	89	91	92	92	B/C
	Sg. Segalud	Sg. Segalud	5SSLD001	82	82	87	86	85	B/C
		Sg. Segalud	5SSLD002	80	82	87	87	86	B/C
	Sg. Segama	Sg. Segama	5SSGM001	86	86	91	86	87	B/C
		Sg. Segama	5SSGM002	85	84	91	85	88	B/C
		Sg. Segama	5SSGM003	78	86	91	85	88	B/C
	Sg. Sembulan	Sg. Sembulan	5SSBL001	69	73	81	84	81	B/C
		Sg. Sembulan	5SSBL002	78	74	73	74	80	ST/SP
	Sg. Silabukan	Sg. Silabukan	5SSBK001	85	87	89	86	87	B/C
		Sg. Silabukan	5SSBK002	87	91	90	89	91	B/C
	Sg. Sugut	Sg. Bongkud	5SSUG001	93	91	92	91	92	B/C
		Sg. Lohan	5SSUG002	92	91	92	91	92	B/C
		Sg. Merali	5SSUG003	92	88	92	88	91	B/C
		Sg. Sugut	5SSUG004	92	89	91	91	91	B/C
		Sg. Sugut	5SSUG005	87	91	91	88	92	B/C
		Sg. Sugut	5SSUG006	92	91	90	85	89	B/C
	Sg. Tawau	Sg. Tawau	5STWU001	82	78	83	77	83	B/C
		Sg. Tawau	5STWU002	86	87	85	83	88	B/C
		Sg. Tawau	5STWU003	90	91	92	91	93	B/C
		Sg. Tawau	5STWU004	92	93	92	91	93	B/C
	Sg. Telipok	Sg. Telipok	5STLP001	72	71	66	70	70	ST/SP
		Sg. Telipok	5STLP002	89	88	88	90	90	B/C
	Sg. Tenghilan	Sg. Tenghilan	5STHL001	93	92	91	92	92	B/C
	Sg. Tingkayu	Sg. Tingkayu	5STKY001	84	85	89	84	85	B/C
		Sg. Tingkayu	5STKY002	80	84	89	86	86	B/C
	Sg. Tuaran	Sg. Damit	5STUA001	87	87	88	89	87	B/C
		Sg. Damit	5STUA002	90	89	89	87	87	B/C
		Sg. Song Sai	5STUA003	91	90	91	90	92	B/C
		Sg. Tuaran	5STUA004	92	93	92	92	93	B/C
		Sg. Tuaran	5STUA005	91	94	93	92	93	B/C
	Sg. Tungku	Sg. Tungku	5STKU001	91	89	87	89	90	B/C
		Sg. Tungku	5STKU002	92	89	90	90	89	B/C
	Sg. Umas-Umas	Sg. Umas-Umas	5SUSM001	87	81	90	83	84	B/C

2 [c] : Stesen Sungai Tercemar dan Kelas Kualiti Air Berdasarkan Sub-Indeks BOD, AN dan SS, 2021
2 [c] : Polluted River Stations and Classes Based on BOD, AN and SS Sub-Index, 2021

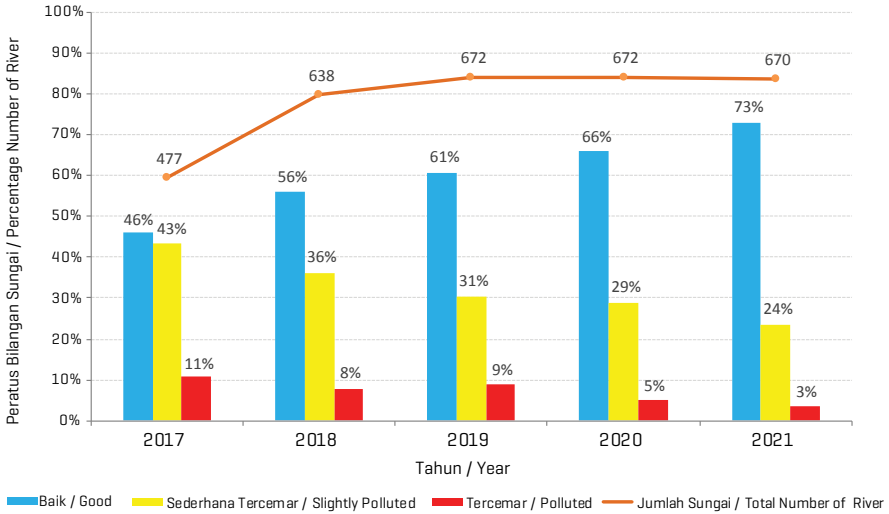
NEGERI / STATE	LEMBANGAN / BASIN	SUNGAI / RIVER	NOMOR STESEN / STATION NUMBER	2021			KELAS BERDASARKAN / CLASS BASED ON		
				IKA / WQI	KATEGORI / CATEGORY	KELAS / CLASS	BOD	AN	SS
Pulau Pinang	Sg. Jawi	Sg. Chempedak	1PJW003	41	T/P	IV	V	V	III
		Sg. Jawi	1PJW001	52	T/P	III	IV	V	II
		Sg. Junjong	1PJW004	52	T/P	III	IV	V	II
		Sg. Tengah	1PJW005	58	T/P	III	IV	V	II
	Sg. Juru	Sg. Rambai	1PJR005	57	T/P	III	IV	V	I
		Sg. Perai	Sg. Air Melintas	1PPR007	57	T/P	III	IV	V
	Sg. Perai	Sg. Keroh	1PPR006	59	T/P	III	IV	V	II
		Sg. Raja Hitam	Sg. Raja Hitam	1ARHT008	39	T/P	IV	V	V
Perak	Sg. Buloh	Sg. Buloh	2BBLH003	47	T/P	IV	V	IV	II
		Sg. Buloh	2BBLH004	43	T/P	IV	V	IV	II
		Sg. Buloh	2BBLH006	55	T/P	III	IV	V	II
	Sg. Klang	Sg. Kerayong	2BKLG013	55	T/P	III	V	V	I
		Sg. Klang	2BKLG050	56	T/P	III	IV	V	II
	Sg. Sepang	Sg. Rambai	2BSPG004	25	T/P	V	V	V	III
W.P. Kuala Lumpur	Sg. Klang	Sg. Air Busuk	2WKLG041	40	T/P	IV	V	V	II
		Sg. Batu	2WKLG028	58	T/P	III	IV	V	II
		Sg. Jinjang	2WKLG045	59	T/P	III	IV	V	II
N. Sembilan	Sg. Langat	Sg. Pajam	3NLGT021	56	T/P	III	V	V	II
Melaka	Sg. Duyong	Sg. Punggur	3MPGR002	58	T/P	III	III	V	I
	Sg. Kesang	Sg. Chin-Chin	3MKSG006	53	T/P	III	V	IV	II
	Sg. Melaka	Sg. Rembia	3MMLK036	54	T/P	III	IV	V	I
	Sg. Merlimau	Sg. Merlimau	3MMLU001	55	T/P	III	IV	V	I
		Sg. Merlimau	3MMLU002	56	T/P	III	III	V	I
		Sg. Merlimau	3MMLU003	58	T/P	III	IV	III	I
		Sg. Merlimau	3MMLU004	58	T/P	III	III	V	I
Johor	Sg. Air Baloi	Sg. Air Baloi	3JABL001	56	T/P	III	II	II	III
		Sg. Air Baloi	3JABL002	52	T/P	III	II	I	I
		Sg. Air Baloi	3JABL003	57	T/P	III	III	II	II
	Sg. Batu Pahat	Sg. Temehel	3JBPT024	54	T/P	III	IV	V	I
	Sg. Benut	Sg. Pinggan	3JBNT007	59	T/P	III	II	II	III
	Sg. Danga	Sg. Danga	3JDGA002	59	T/P	III	III	V	II

2 (c) : Stesen Sungai Tercemar dan Kelas Kualiti Air Berdasarkan Sub-Indeks BOD, AN dan SS, 2021
2 (c) : Polluted River Stations and Classes Based on BOD, AN and SS Sub-Index, 2021

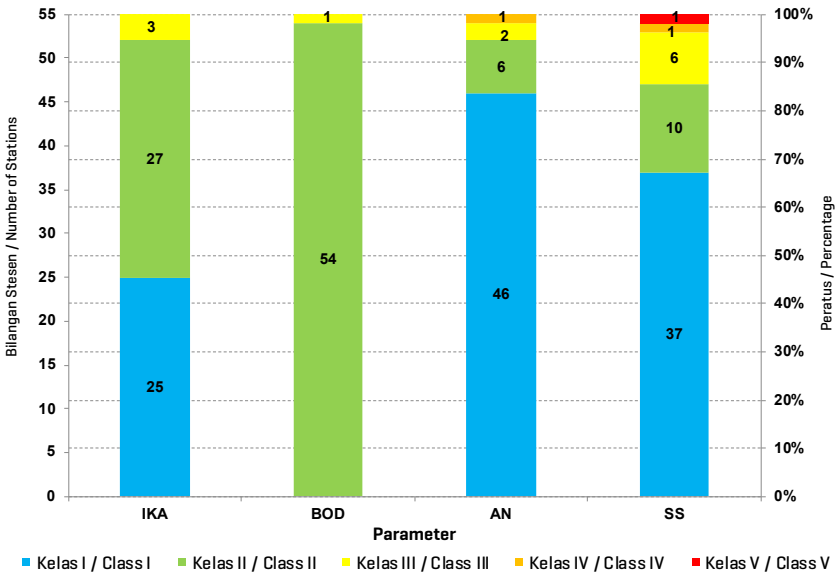
NEGERI / STATE	LEMBANGAN/ BASIN	SUNGAI/ RIVER	NOMBOR STESEN/ STATION NUMBER	2021			KELAS BERDASARKAN/ CLASS BASED ON		
				IKA/ WQI	KATEGORI / CATEGORY	KELAS/ CLASS	BOD	AN	SS
Johor	Sg. Kaw. Pasir Gudang	Sg. Buluh	3JPGD 002	43	T/P	IV	V	I	II
		Sg. Perembi	3JPGD 001	47	T/P	IV	V	V	I
		Sg. Tukang Batu	3JPGD 003	35	T/P	IV	V	V	I
	Sg. Kempas	Sg. Kempas	3JKPS 001	33	T/P	IV	V	V	II
		Sg. Kempas	3JKPS 002	42	T/P	IV	V	V	II
	Sg. Pontian Besar	Sg. Ayer Merah	3JPBS 005	54	T/P	III	III	III	I
	Sg. Sanglang	Sg. Sanglang	3JSLG 001	57	T/P	III	II	II	IV
	Sg. Sedili Kecil	Sg. Anak Sedili Kecil	3JSKE 005	24	T/P	V	V	V	III
	Sg. Skudai	Sg. Melana	3JSK U 009	59	T/P	III	IV	V	II
		Sg. Skudai	3JSK U 007	54	T/P	III	IV	V	I
	Sg. Tebrau	Sg. Bala	3JTRU 008	47	T/P	IV	V	V	I
		Sg. Pandan	3JTRU 007	43	T/P	IV	V	V	I
		Sg. Sebulung	3JTRU 009	58	T/P	III	V	V	I
		Sg. Sengkuang	3JTRU 011	53	T/P	III	V	V	I
Sarawak	Sg. Sarawak	Sg. Kelantan	6QSWK017	59	T/P	III	V	V	I

Sungai Melaka, Melaka

2 (d) : Tren Kualiti Air Sungai, 2017-2021
2 (d) : River Water Quality Trend, 2017-2021



2 (e) : Kualiti Air Sungai di Stesen di Hulu Muka Sauk, 2021
2 (e) : River Water Quality at Stations Upstream of Water Intakes, 2021



3 [a] : Parameter Kualiti Air Marin, 2021
3 [a] : Marine Water Quality Parameters, 2021

BIL. / NO.	PARAMETER / PARAMETERS	KOD / CODE	UNIT / UNIT
PENGUKURAN IN-SITU / IN-SITU MEASUREMENTS			
1	Oksigen Terlarut / Dissolved Oxygen	DO	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 / Chromium	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	Amoniakal Nitrogen / 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/100
20	Faecal Coliform	FC	cfu/100
21	Escherichia coli	E. coli	cfu/100
22	Enterococci	-	cfu/100
23	Polycyclic Aromatic Hydrocarbons	PAHs	µg/l

3 (b) : Standard Kualiti Air Marin Malaysia
3 (b) : Malaysian Marine Water Quality Standards

PARAMETER ($\mu\text{g/l}$) melainkan dinyatakan sebaliknya / PARAMETER ($\mu\text{g/l}$) 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 / Industry, 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

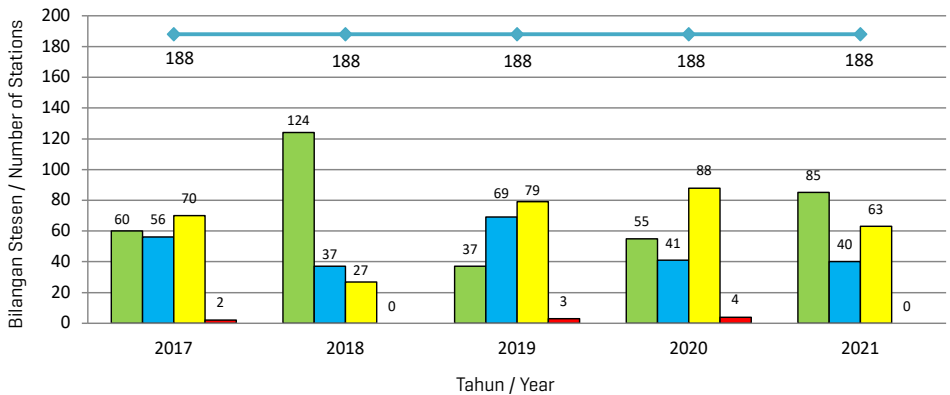
3 (b) : Standard Kualiti Air Marin Malaysia
3 (b) : Malaysian Marine Water Quality Standards

PARAMETER (µg/l) melainkan dinyatakan sebaliknya / PARAMETER (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 / Industry, Commercial Activities & Coastal Settlements	Muara Sungai / Estuaries		
			Dataran Pantai / Coastal Plain	Lagun / Lagoon	Rangkaian Kompleks / Complex Distributary Network	
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	27.0	27.0	55.0	27.0	27.0	27.0
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

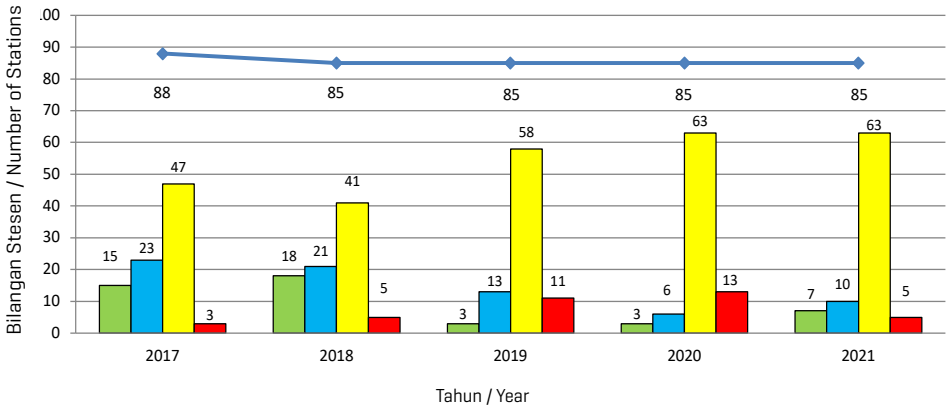
KATEGORI / CATEGORY	NILAI INDEKS / INDEX VALUE
Terbaik / Excellent	90 - 100
Baik / Good	80 - <90
Sederhana / Moderate	50 - <80
Tercemar / Poor	0 - <50

3 [d] : Tren Status Kualiti Air Marin bagi Pantai, 2017-2021
3 [d] : Trend of Marine Water Quality Status for Coastal, 2017-2021



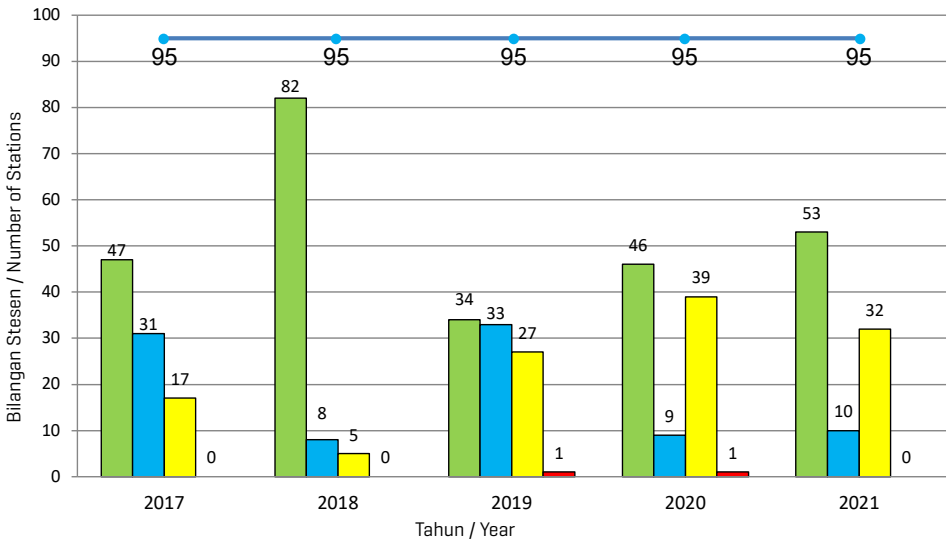
Terbaik / Excellent Baik / Good Sederhana / Moderate Tercemar / Poor Jumlah Stesen / Total of Stations

3(e): Tren Status Kualiti Air Marin bagi Muara Sungai, 2017 - 2021
3(e): The Trend of Marine Water Quality Status for Estuaries, 2017 - 2021



Terbaik / Excellent Baik / Good Sederhana / Moderate Tercemar / Poor Jumlah Stesen / Total of Station

3(f): Tren Status Kualiti Air Marin bagi Pulau, 2017 - 2021
3(f): The Trend of Marine Water Quality Status for Island, 2017 - 2021



Terbaik / Excellent Baik / Good Sederhana / Moderate Tercemar / Poor Jumlah Stesen / Total of Station

3(g): Senarai Stesen Pengawasan Kualiti Air Marin dengan Status Kategori Tercemar dan Peratusan Sub-Indeks Mengikut Parameter, 2021

3(g): Lists of Marine Water Quality Monitoring Stations under the Category of Poor Status and their Sub-Index Percentages by Parameter, 2021

NEGERI / STATE	KLASIFIKASI STESEN / STATION CLASSIFICATION	LOKASI / LOCATION	STESEN ID / ID STATION	IKAMM / MMWQI	PERATUSAN SUB-INDEKS [%] / SUB-INDEX PERCENTAGE [%]					
					OKSIGEN TERLARUT / DISSOLVED OXYGEN	AMMONIA (TIDAK TERION) / AMMONIA (UNIONIZED)	FAECAL COLIFORM	JUMLAH PEPEJAL TERAPAI / TOTAL SUSPENDED SOLID	NITRAT / NITRATE	FOSFAT / PHOSPHATE
Pulau Pinang	Muara Sungai / Estuary	Kuala Sungai Jawi	MMPE001	43	96	88	8	85	84	50
	Muara Sungai / Estuary	Kuala Sungai Juru	MMPE002	42	81	78	8	89	82	60
Perak	Muara Sungai / Estuary	Kuala Sungai - Tanjung Piandang	MMAE004	45	65	96	8	49	88	80
	Muara Sungai / Estuary	Kuala Sungai Klang	MMBE005	40	29	91	8	93	80	66
Selangor	Muara Sungai / Estuary	Kuala Sungai - Selangor	MMBE008	43	89	99	8	50	39	93

3 (h) : Senarai Stesen Pantai dengan Status Kategori Terbaik, 2021
3 (h) : Coastal Stations under the Category of Excellent Status, 2021

BIL. / NO.	NEGERI / STATE	LOKASI / LOCATION
1	Terengganu	Rhu 10
2	Pahang	Pantai Cherating (Club Med) B
3	Johor	Pantai Tanjung Leman
4	Terengganu	Pantai Kemasek
5	Kedah	Pantai Pasir Tengkorak
6	Terengganu	Pantai Bukit Keluang
7	Terengganu	Pantai Rantau Abang
8	Terengganu	Teluk Ketapang
9	Terengganu	Kelului
10	Perak	Pantai Pasir Bogak

Nota / Notes:

Senarai menunjukkan sepuluh [10] stesen teratas dengan status kategori terbaik/
 The list shows the top ten [10] stations with excellent category

3 (i) : Senarai Stesen Pulau dengan Status Kategori Terbaik, 2021
3 (i) : Island Stations under the Category of Excellent Status, 2021

BIL. / NO.	NEGERI / STATE	LOKASI / LOCATION
1	Pahang	Tulai
2	Pahang	Labas
3	Pahang	Sepui
4	Pahang	Seri Buat
5	Johor	Setindan
6	Terengganu	Perhentian Besar [Selatan]
7	Terengganu	Perhentian Kecil
8	Terengganu	Lang Tengah
9	Pahang	Sembilang
10	Terengganu	Ekor Tebu

v

Nota/ Notes:

Senarai menunjukkan sepuluh [10] stesen teratas dengan status kategori terbaik/
 The list shows the top ten [10] stations with excellent category

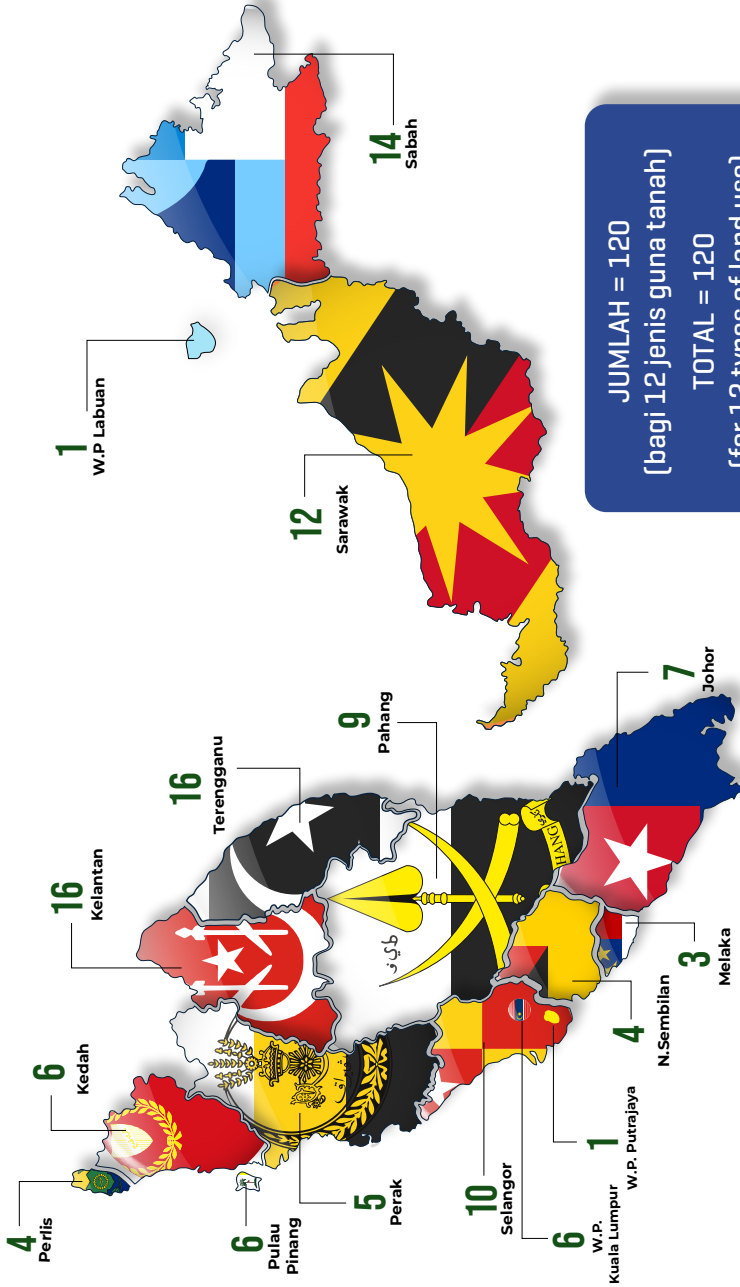
3 (j) : Senarai Stesen Muara Sungai dengan Status Kategori Terbaik, 2021

3 (j) : Estuaries Stations under the Category of Excellent Status, 2021

BIL. / NO.	NEGERI / STATE	LOKASI / LOCATION
1	Terengganu	Tioxide Utara (Kg. Bukit Kuang, Kijal)
2	Terengganu	Tioxide Tengah (Pupuk Semangat, Kijal)
3	Terengganu	Kuala Sungai Setiu
4	Johor	Kuala Sungai Johor
5	Sarawak	Kuala Sungai Semantan
6	Sarawak	Kuala Sungai Santubong
7	Terengganu	Kuala Sungai Ibai

Pulau Samporna, Sabah

JUMLAH TELAGA PENGAWASAN BAGI SETIAP NEGERI SELURUH MALAYSIA, 2021
 MONITORING WELLS FOR EACH STATE OF MALAYSIA, 2021



JUMLAH = 120
 (bagi 12 jenis guna tanah)
TOTAL = 120
 (for 12 types of land use)

Taburan Stesen Pengawasan Kualiti Air Tanah di Malaysia Mengikut Jenis Kategori Guna Tanah, 2021
 Distribution of Groundwater Quality Monitoring Stations [Wells] in Malaysia by Land Use Category, 2021

4 [a]: Taburan Stesen Pengawasan Kualiti Air Tanah di Seluruh Negeri di Malaysia mengikut Jenis Kategori Guna Tanah, 2021

4 [a]: Distribution of Groundwater Quality Monitoring Stations (Wells) Throughout the States in Malaysia by Land Use Category, 2021

KATEGORI / CATEGORY	BILANGAN TELAGA / NUMBER OF WELLS	NEGERI / STATE	BILANGAN TELAGA / NUMBER OF WELLS
Kawasan Pertanian / Agriculture	15	Sabah	2
		Terengganu	5
		Pahang	1
		Kedah	3
		Perlis	1
		Kelantan	2
Bandar dan Pinggir Bandar / Urban and Suburban Area	12	Selangor	1
		Sabah	1
		Terengganu	2
		Pahang	1
		Kedah	1
		Perlis	2
		Kelantan	2
Tapak Perindustrian / Industrial Sites	22	Selangor	2
		Sabah	1
		Terengganu	5
		Johor	2
		Kedah	1
		Kelantan	2
		Melaka	1
		Selangor	3
		Pulau Pinang	3
		N. Sembilan	1
		Perak	1
		Pahang	1
Bekas Tapak Pelupusan Sampah / Used Solid Waste Landfills	26	Perlis	1
		Sabah	7
		Sarawak	2
		Terengganu	2
		Johor	2
		Kelantan	3
		Perak	1
		Kuala Lumpur	5
		N. Sembilan	3
Melaka	1		






4 (a): Taburan Stesen Pengawasan Kualiti Air Tanah di Seluruh Negeri di Malaysia mengikut Jenis Kategori Guna Tanah, 2021

4 (a): Distribution of Groundwater Quality Monitoring Stations (Wells) Throughout the States in Malaysia by Land Use Category, 2021

KATEGORI / CATEGORY	BILANGAN TELAGA / NUMBER OF WELLS	NEGERI / STATE	BILANGAN TELAGA / NUMBER OF WELLS
Padang Golf / Golf Course	7	Sabah	2
		Kelantan	4
		Kuala Lumpur	1
Luar Bandar / Rural	6	Terengganu	1
		Kelantan	3
		Melaka	1
		Selangor	1
Bekas Lombong Emas / Used Mining [Gold Mines]	3	Sarawak	3
Bekalan Air / Water Supply	5	Sabah	1
		Sarawak	4
Bekas Tapak Pelupusan Bangkai Haiwan / Used Animal Burial Sites	14	Sarawak	2
		Johor	3
		Perak	3
		Selangor	3
		Pulau Pinang	3
Akuakultur / Aquaculture	7	Pahang	6
		Terengganu	1
Tapak Pelupusan Radioaktif / Radioactive Landfills	1	Perak	1
Peranginan / Resorts	2	Sabah	1
		Kedah	1
Jumlah / Total			120

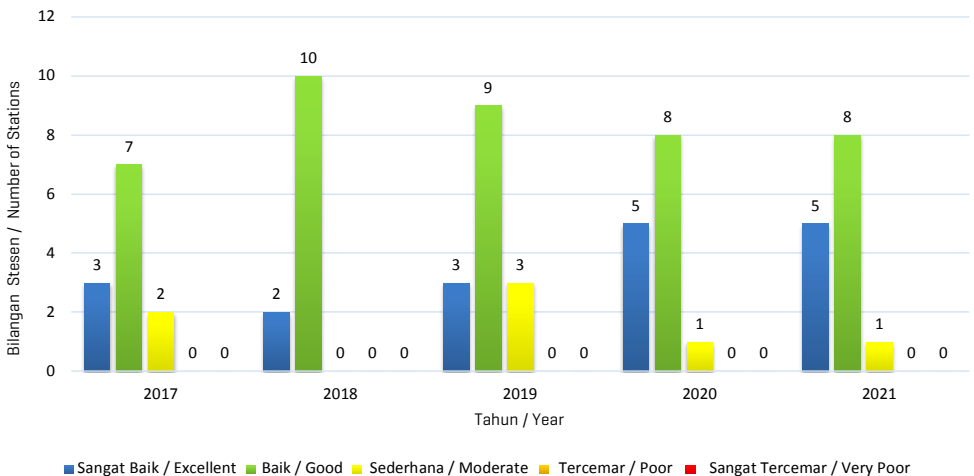
4 (b) : Klasifikasi Indeks Kualiti Air Tanah

4 (b) : Groundwater Quality Index Classification

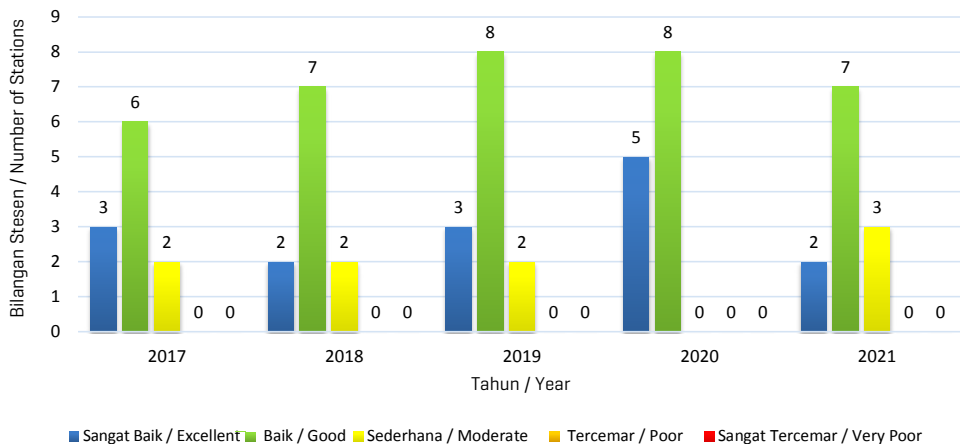
KATEGORI / CATEGORY	IKAT / GWQI	POTENSI KEGUNAAN / POTENTIAL USE
 Sangat Tercemar / Very Poor	0-15	Kajian air terperinci sebelum digunakan / Investigation needed before use
 Tercemar / Poor	16-39	Pengairan / Pertanian / Irrigation
 Sederhana / Fair	40-69	Penggunaan Industri / Industrial Use
 Baik / Good	70-89	Berpotensi sebagai air minuman / Potential use as drinking water
 Sangat Baik / Excellent	> 80	Air berkualiti untuk semua kegunaan / High quality water for all purpose

4 (c) : Tren Indeks Kualiti Air Tanah Kawasan Pertanian [2017-2021]

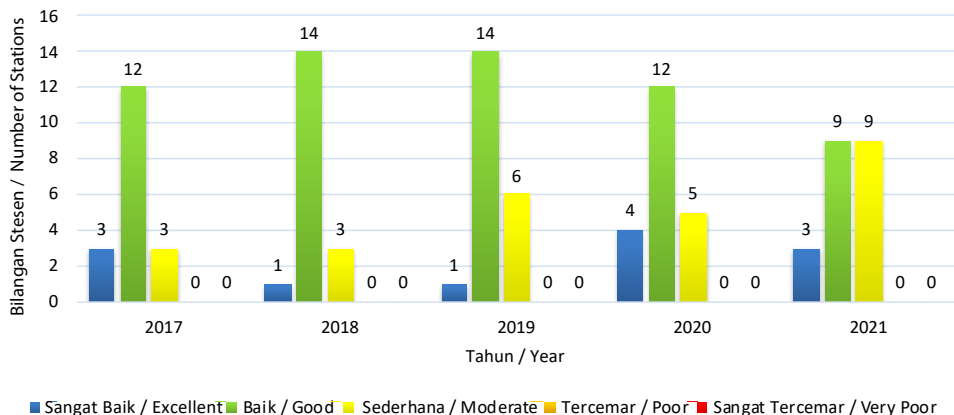
4 (c) : Trends of Groundwater Quality Index for Agriculture [2017-2021]



4 (d) : Tren Indeks Kualiti Air Tanah Bandar dan Pinggir Bandar [2017-2021]
4 (d) : Trends of Groundwater Quality Index for Urban and Suburban [2017-2021]

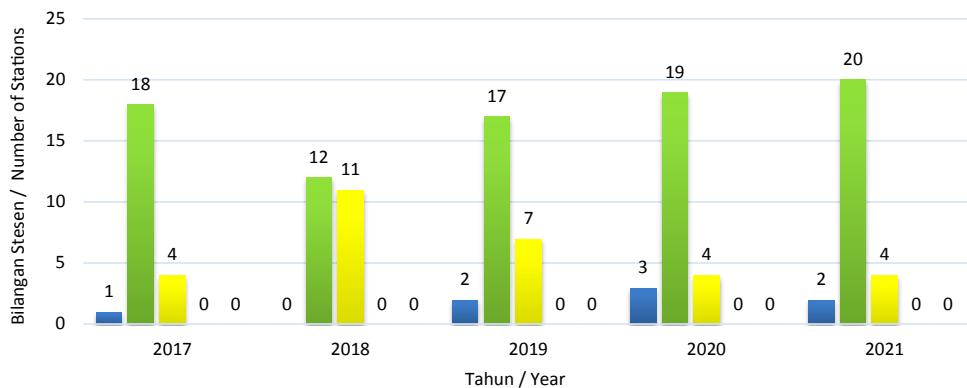


4 (e) : Tren Indeks Kualiti Air Tanah bagi Tapak Perindustrian [2017-2021]
4 (e) : Trends of Groundwater Quality Index for Industrial Sites [2017-2021]



4 (f) : Tren Indeks Kualiti Air Tanah bagi Bekas Tapak Pelupusan Sampah (2017-2021)

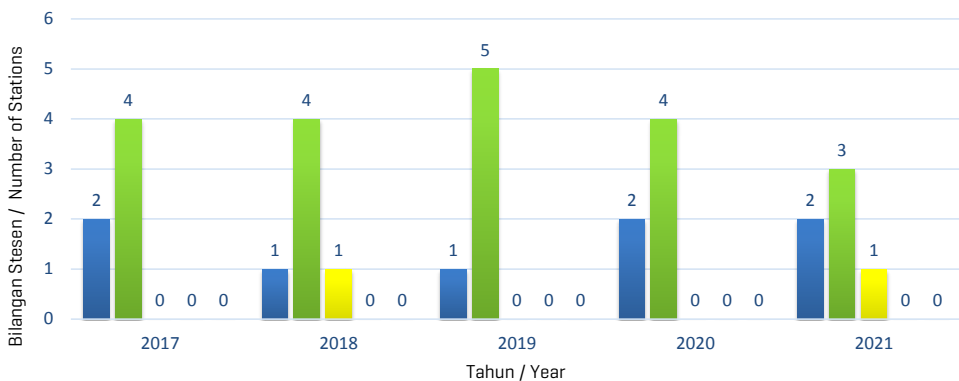
4 (f) : Trends of Groundwater Quality Index for Used Solid Waste Landfills (2017-2021)



■ Sangat Baik / Excellent ■ Baik / Good ■ Sederhana / Moderate ■ Tercemar / Poor ■ Sangat Tercemar / Very Poor

4 (g) : Tren Indeks Kualiti Air Tanah bagi Padang Golf (2017-2021)

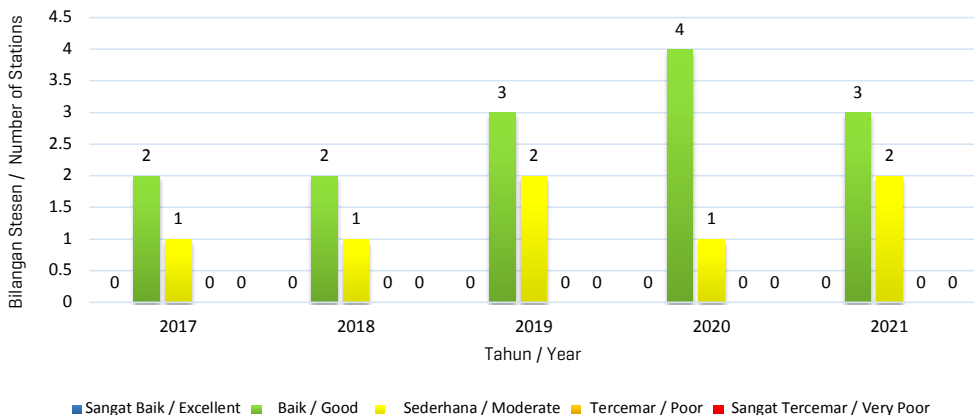
4 (g) : Trends of Groundwater Quality Index for Golf Course (2017-2021)



■ Sangat Baik / Excellent ■ Baik / Good ■ Sederhana / Moderate ■ Tercemar / Poor ■ Sangat Tercemar / Very Poor

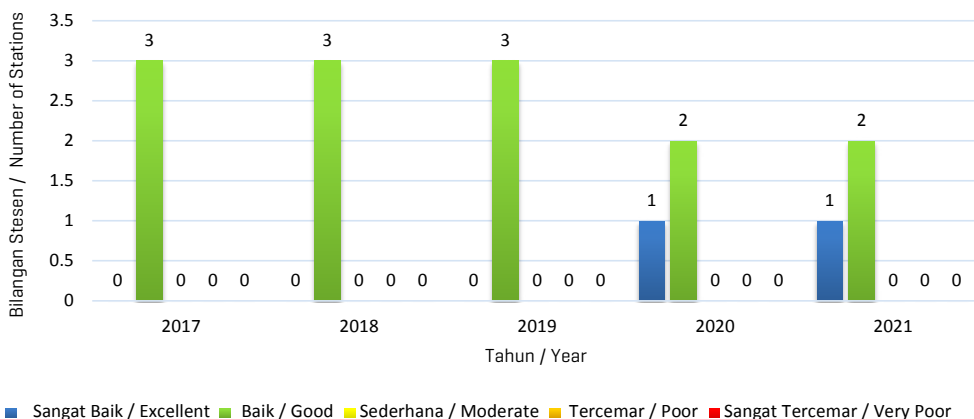
4 (h) : Tren Indeks Kualiti Air Tanah bagi Luar Bandar [2017-2021]

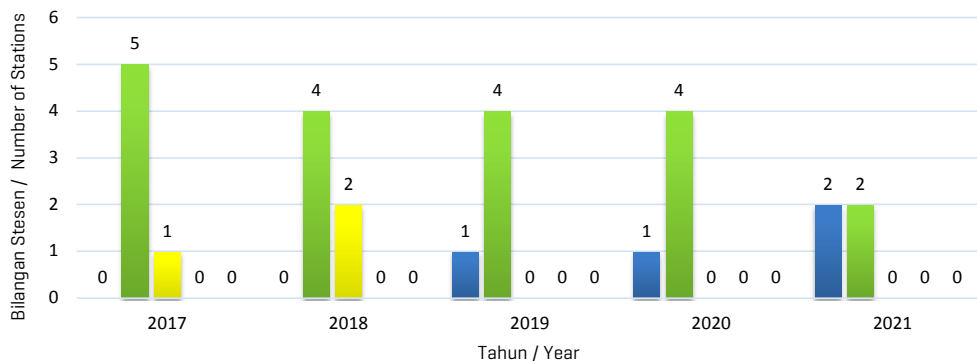
4 (h) : Trends of Groundwater Quality Index for Rural [2017-2021]



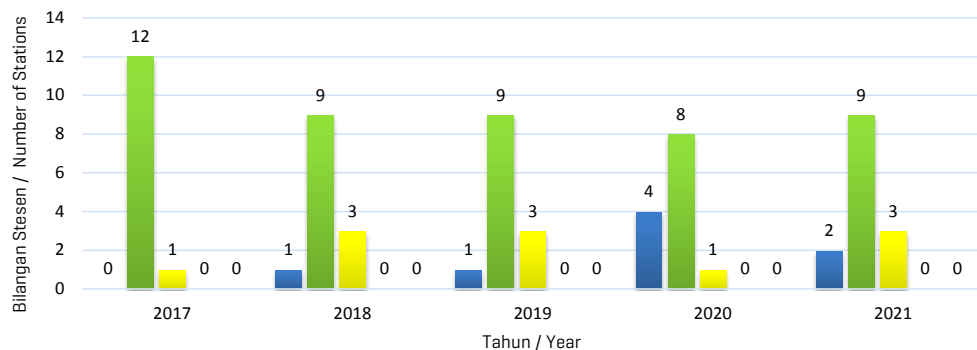
4 (i) : Tren Indeks Kualiti Air Tanah bagi Bekas Lombong Emas [2017-2021]

4 (i) : Trends of Groundwater Quality Index for Used Mining [Gold Mine] [2016-2020]



4 (j) : Tren Indeks Kualiti Air Tanah bagi Bekalan Air [2017-2021]**4 (j) : Trends of Groundwater Quality Index for Water Supply [2017-2021]**

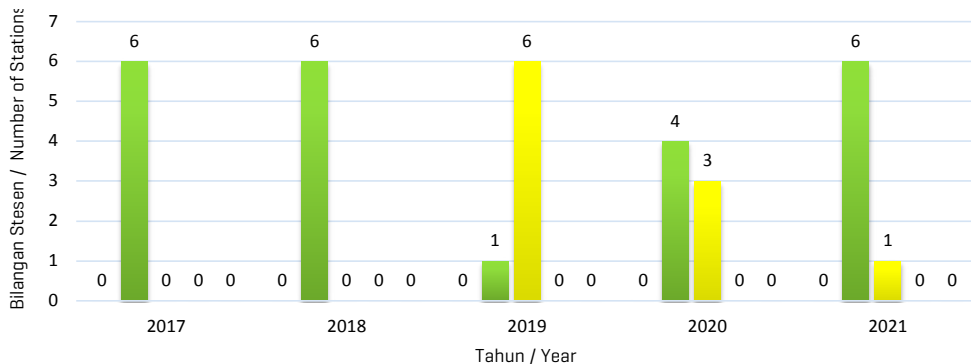
■ Sangat Baik / Excellent ■ Baik / Good ■ Sederhana / Moderate ■ Tercemar / Poor ■ Sangat Tercemar / Very Poor

4 (k) : Tren Indeks Kualiti Air Tanah bagi Bekas Tapak Pelupusan Bangkai Haiwan [2017-2021]**4 (k) : Trends of Groundwater Quality Index for Dead Animal Burial Areas [2017-2021]**

■ Sangat Baik / Excellent ■ Baik / Good ■ Sederhana / Moderate ■ Tercemar / Poor ■ Sangat Tercemar / Very Poor

4 (l) : Tren Indeks Kualiti Air Tanah bagi Akuakultur [2017-2021]

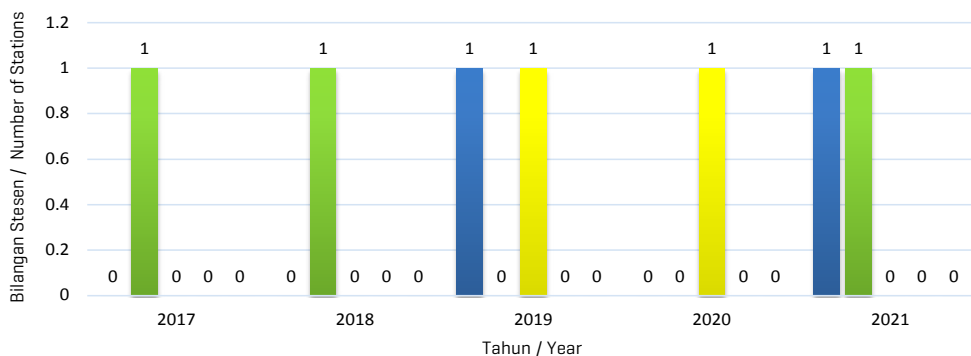
4 (l) : Trends of Groundwater Quality Index for Aquaculture [2017-2021]



■ Sangat Baik / Excellent ■ Baik / Good ■ Sederhana / Moderate ■ Tercemar / Poor ■ Sangat Tercemar / Very Poor

4 (m) : Tren Indeks Kualiti Air Tanah bagi Peranginan [2017-2021]

4 (m) : Trends of Groundwater Quality Index for Resorts [2017-2021]



■ Sangat Baik / Excellent ■ Baik / Good ■ Sederhana / Moderate ■ Tercemar / Poor ■ Sangat Tercemar / Very Poor

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] Refer to Significant Parameter in Indentify of Groundwater Quality Status

PARAMETER/ PARAMETER	SIMBOL/ SYMBOL	STANDARD/ STANDARD	UNIT/ UNIT
Jumlah Koliform / Total Coliform	-	5000	MPN/100 ml
Jumlah Pepejal Terlarut / TDS	-	1500	mg/l
Klorida / Chloride	Cl ⁻	250	mg/l
Besi / Iron	Fe ²⁺	1.0	mg/l
Keliatan / Hardness	CaCO ₃	500	mg/l
Mangan / Manganese	Mn ²⁺	0.2	mg/l
Nitrit / Nitrite	NO ₂ ⁻	0.4*	mg/l
Raksa / Mercury	Hg ²⁺	0.001	mg/l
Kadmium / Cadmium	Cd ²⁺	0.003	mg/l
Arsenik / Arsenic	As ⁺³	0.01	mg/l
Plumbum / Lead	Pb ²⁺	0.05	mg/l
Kromium / Chromium	Cr ³⁺	0.05	mg/l
Kuprum / Copper	Cu ²⁺	1.0	mg/l
Zink / Zinc	Zn ²⁺	3.0	mg/l
Sulfat / Sulphate	SO ₄ ²⁻	250	mg/l
Selenium / Selenium	Se ⁻	0.01	mg/l
Sebatian Fenol / Phenolics	-	0.002	mg/l

* Diambil dari Class IIA, National Water Quality Standards

4 (o) : Peratusan Julat Nilai Pemuatan, 2021

4 (o) : Percentage Of Compliance, 2021

PERATUSAN JULAT NILAI PEMATUHAN [%] / PERCENTAGE OF COMPLIANCE [%]	KATEGORI / CATEGORY
0 % - 49 %	Rendah / Low
50 % - 79 %	Sederhana / Moderate
80 % - 100%	Tinggi / High



Gua Niah, Sarawak

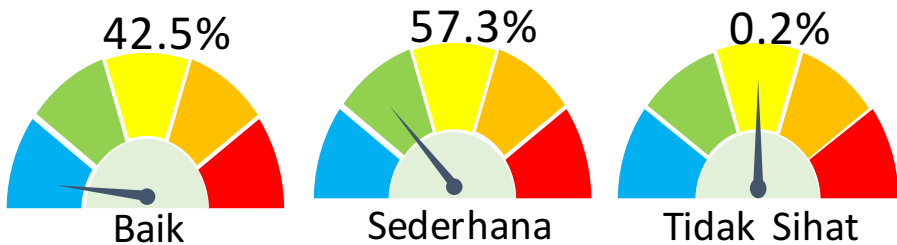
BILANGAN STESEN EQMP

KOMPONEN	STESEN AUTOMATIK	STESEN MANUAL
UDARA	68 Stesen	14 Stesen
SUNGAI	30 Stesen	1353 Stesen
MARIN	10 Stesen	388 Stesen

BILANGAN DATA EQMP (JANUARI-DISEMBER 2021)

KOMPONEN	AUTOMATIK	MANUAL	JUMLAH
UDARA	9,206,920	1,808	9,208,728
SUNGAI	7,578,800	360,202	7,939,002
MARIN	2,117,595	66,240	2,183,835

KUALITI UDARA 2021



BILANGAN TITIK PANAS

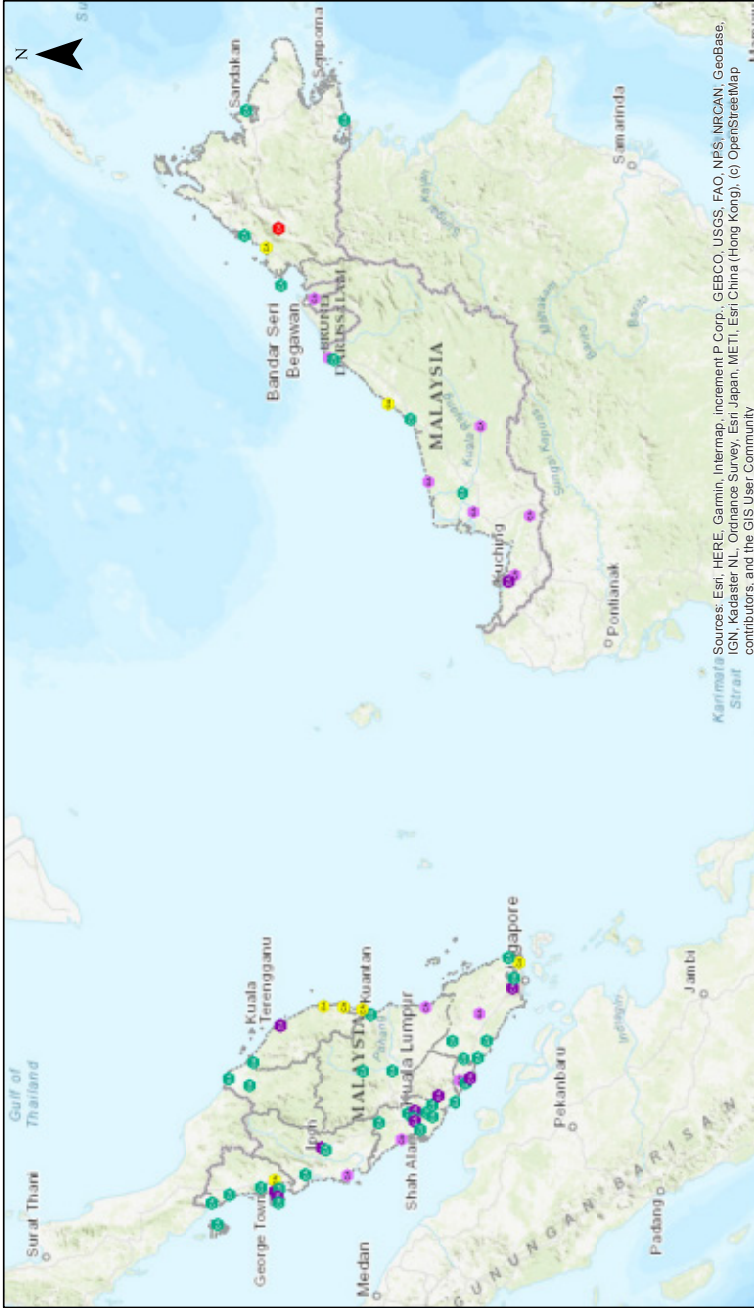


PENCAPAIAN PROGRAM TANAH GAMBUT

Infra Dibina	Infra Dinaiktaraf
Check Dam: 6	Check Dam: 158
Telaga Tiub: 5	Telaga Tiub: 91
Piezometer: 45	Piezometer: 36

Perolehan Dron	21
Pemasangan Papan Tanda	218
Program Komuniti & CEPA	21
Penerbitan Video	3

5 (a) : Taburan Lokasi Stesen Automatik bagi Pengawasan Kualiti Udara, Air Sungai dan Air Marin, 2021
5 (a) : Distribution of the Locations for Air, River Water and Marine Water Quality Monitoring Automatic Stations, 2021



Karimata Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBasis, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

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

5 (b) : 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 (c) : Bilangan Persampelan Manual Tahun 2021

5 (c) : The Number of Manual Samplings in Year 2021

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	1,974
Air Sungai/ River Water	1,353	6 kali setahun/ 6 times a year	8,077
Air Marin/ Marine Water	388	6 kali setahun/ 6 times a year	2,268

BAHAN BERBAHAYA KEPADA ALAM SEKITAR (EHS)			BENCANA		PELESENAN	
	PERMOHONAN	PENGIMPORAN BAHAN KIMIA	PENGEKSPORTAN BAHAN KIMIA		Siasatan kontena haram	36
	Korvensyen Rotterdam (Annex II)	105	430		Permohonan pengurusan tanah tercemar	11
	EU Regulation (Non Annex II)	163	0		Kes pelupusan secara haram	17
						2765 Maklumbalas pertanyaan sistem eSWIS 9 Bengkel penambahbaikan pelaporan eSWIS 783 Pengawasan & penguatkuasaan pengurusan buangan terjadual melalui eSWIS 28 Ulasan pembangunan projek pembangunan tertakluk Perintah Kualiti Alam Sekeliling (Aktiviti Yang Ditetapkan) (Penilaian Kesan Kepada Alam Sekeliling) 2015

KONVENSYEN				
PERMOHONAN	TERIMA	DILULUSKAN	DITOLAK	DALAM PROSES
Pengimportan Used Electrical and Electronic Equipment/ Components (UEEE)				
	224	138	72	14
Pengeksportan Used Electrical Equipment Components (UEEE)	2	1	1	0
Pengimportan Bukan Buangan Terjadual (Non-ST)	1007	886	105	16
Pengeksportan Bukan Buangan Terjadual (Non-ST)	102	90	12	0
Pengimportan buangan terjadual (BT)	24	12	9	3
Pengeksportan buangan terjadual (BT)	57	38	3	16
Transit (Konvensyen Basel)	22	14	3	5
PERKARA	BIL	PERKARA	BIL	
Bilangan kes illegal shipment buangan terjadual	104	Bilangan Kes Illegal Shipment (Eksport) Buangan Terjadual	2	
Bilangan kontena illegal shipment buangan terjadual	168	Bilangan Kontena Yang Dipulang Ke Malaysia	5	
Bilangan notifikasi illegal shipment ke negara pengeksport	107			

PENILAIAN DAN PEMBANGUNAN		
PERKARA	BILANGAN PERMOHONAN YANG DIPROSES	
Pengurusan khas buangan terjadual di bawah peraturan 7, Peraturan-Peraturan Kualiti Alam Sekeliling Buangan Terjadual 2005	Permohonan diproses Bilangan kelulusan	 162  114
Permohonan kelulusan secara dasar		18
Permohonan pengkelasan buangan terjadual		83
Permohonan untuk menjalankan kajian buangan terjadual		26
Permohonan pindaan syarat kebenaran bertulis, pengurusan khas buangan terjadual	Penambahan kenderaan pengangkut	 184
	Penambahan kuantiti pembuangan	5
	Penambahan loji konkrit	64
	Pindaan Syarat KB SWM	12
Lain-lain permohonan yang diterima (ulasan)		55

BUANGAN ELEKTRIK DAN ELEKTRONIK TERJADUAL (SEW)

PERKARA	BILANGAN	PERKARA	BILANGAN
Data kutipan e-waste OLEH JAS Negeri	476.16MT	Pusat pengumpulan buangan elektrik dan elektronik terjadual yang berdaftar	167
Data kutipan e-waste oleh Pusat Pengumpulan & Kemudahan Pemerolesan Kembali	2650.29MT	Infografik e-waste	55
Premis pemerolesan kembali luar tapak (penuh e-waste)	22	Videografik e-waste	14
Premis pemerolesan kembali luar tapak (separa e-waste)	42	Sesi libat urus bagi buangan peralatan elektrik dan elektronik terjadual	44

6 (a) : Lesen-Lesen yang Dikeluarkan bagi Kemudahan Pemulihan Kembali, Pengolahan & Pelupusan Buangan Terjadual yang Diluluskan oleh Jabatan Alam Sekitar, 2021

6 (a) : Licenses Issued for Recovery Facilities Processing Hazardous Waste Disposal Approved by the Department of Environment, 2021

BIL. / NO.	KEMUDAHAN / FACILITIES	JUMLAH LESEN DIKELUARKAN MENGIKUT NEGERI / NUMBER OF LICENCES ISSUED BY STATE											JUMLAH / TOTAL				
		JOHOR	KEDAH	KELANTAN	MELAKA	N. SEBILIAN	PAHANG	PERAK	PERLIS	P. PINANG	SABAH	SARAWAK		SELANGOR	TERENGGANU	W.P. LUMPUR	W.P. LABUAN
1.	Pembara Yang Ditetapkan / Prescribed Conveyance	59	15	4	22	21	6	26	1	35	8	28	48	7	5	5	290
	Penstoran Luar Tapak / Off Site Storage	3	0	0	3	1	1	1	0	1	5	22	0	0	0	6	43
	Pemulihan Kembali Luar Tapak / Off Site Recovery																
	a. Pemulihan Kembali Luar Tapak (bukan e-waste) / Off Site Recovery (none e-Waste)	35	12	0	12	17	8	20	1	20	2	6	45	5	0	2	185
	b. Pemulihan Kembali Luar Tapak (penuh e-waste) / Off Site Recovery (full e-Waste)	1	0	0	0	1	0	0	0	9	0	0	1	0	0	0	12
	c. Pemulihan Kembali Luar Tapak (separa e-waste) / Off Site Recovery (partial e-Waste)	24	3	4	8	4	0	2	0	6	1	5	3	2	5	0	67
3.	Penunu Buangan Terjadual / Scheduled Waste Incinerator	6	0	0	0	2	2	0	0	0	1	7	2	2	0	1	23
4.	Pengolahan Di Tanah / Land Treatment Facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	Pengolahan Luar Tapak / Off Site Treatment Facilities	1	0	0	1	2	0	2	0	0	1	0	2	0	0	1	10
6.	Tapak Pelupusan Selamat / Secured Landfill	1	1	0	0	1	1	0	0	0	0	2	0	1	0	0	7
7.	Bil. Lesen / No. of Licence	130	31	8	46	49	18	51	2	71	18	70	101	17	10	15	637
8.	Bil. Premis / No. of Premises	64	23	4	22	25	9	27	2	36	8	28	69	9	5	5	336

6 (b) : Jumlah Buangan Terjadual yang Dihasilkan mengikut Kod Buangan Terjadual, 2021
6 (b) : Quantity of Scheduled Wastes Generated by Scheduled Waste Code, 2021

BIL / NO	NAMA BUANGAN / NAME OF WASTE	KOD BUANGAN / WASTE CODE	KUANTITI BUANGAN / QUANTITY OF WASTE	
			(MT/TAHUN) / (MT/YEAR)	PERATUSAN (%) / PERCENTAGE (%)
1	Dross / sanga / klinker / abu / Dross / Slag / Clinker / Ash	SW 104	3,828,937.30	51
2	Enap camar logam berat / Heavy Metal Sludges	SW 204	1,479,272.71	20
3	Gypsum / Gypsum	SW 205	480,892.21	6
4	Minyak Pelincir Terpakai / Spent Lubricating oil	SW 305	219,193.88	3
5	Buangan getah atau lateks yang mengandungi logam berat / Rubber/Latex Waste Containing Heavy Metal	SW 321	207,616.96	3
6	Buangan pelarut organik bukan terhalogen / Waste of Non-Halogenated Solvent	SW 322	179,571.20	2
7	Asid Terpakai / Spent Acids	SW 206	137,075.08	2
8	Campuran buangan terjadual dan buangan tidak terjadual / Mixture of Scheduled Waste & Non-Scheduled Waste	SW 422	110,997.10	1
9	Enap camar yang mengandungi fluoride / Sludge Containing Fluoride	SW 207	105,264.67	1
10	Buangan elektronik / E-Waste	SW 110	85,640.98	1
11	Bekas tercemar / Used Container	SW 409	82,130.68	1
12	Buangan minyak atau enap camar berminyak / Waste oil/Oily sludges	SW 311	75,569.91	1
13	Enap camar mineral / Mineral Sludges	SW 427	62,146.95	1
14	Buangan patogenik / klinikal / Pathogenic Clinical Waste	SW 404	57,378.48	1
15	Kain buruk, plastik, kertas atau turas tercemar / Rags/Plastics/Papers contaminated with Scheduled Waste	SW 410	46,915.47	1
16	Sisa dari pengalihan atau pemerolehan kembali buangan terjadual / Residue from Recovery	SW 501	35,752.07	0
17	Buangan dakwat dan cat / Waste of Inks & Paints	SW 417	35,367.78	0
18	Emulsi minyak mineral-air terpakai / Spent mineral oil-water emulsion	SW 307	34,638.57	0
19	Buangan resin yang mengandungi pelarut organik / Waste of Resin Containing Organic	SW 325	23,281.62	0
20	Minyak hidroauik terpakai / Spent Hydraulic oil	SW 306	22,282.24	0
21	Buangan fotografi / Photographic Waste	SW 423	20,978.09	0
22	Buangan pelekat / glu yang mengandungi pelarut organik / Adhesive/ Glue Containing Organic Solvent	SW 303	19,812.52	0

6 (b) : Jumlah Buangan Terjadual yang Dihasilkan mengikut Kod Buangan Terjadual, 2021
6 (b) : Quantity of Scheduled Wastes Generated by Scheduled Waste Code, 2021

BIL / NO	NAMA BUANGAN / NAME OF WASTE	KOD BUANGAN / WASTE CODE	KUANTITI BUANGAN / QUANTITY OF WASTE	
			(MT/TAHUN) / (MT/YEAR)	PERATUSAN (%) / PERCENTAGE (%)
23	Buangan mangkin / Waste Catalyst	SW 202	18,539.33	0
24	Buangan kimia / Lab Waste	SW 429	16,813.33	0
25	Enap cemar dakwat dan cat / Ink & Paints Sludges	SW 416	16,053.19	0
26	Campuran minyak-air / Oil - Water mixture	SW 309	13,906.81	0
27	Karbon teraktif terpakai / Contaminated Active Carbon	SW 411	9,680.00	0
28	Produk dakwat, cat, pigmen atau lakur yang tidak mengikut spesifikasi / Discarded of Ink/Paint/Pigment/Lacquer Containing Organic Solvent	SW 418	8,985.15	0
29	Buangan bateri asid plumbum / Waste of acid lead batteries	SW 102	8,825.76	0
30	Campuran buangan terjadual / Mixture of Scheduled Waste	SW 421	8,539.54	0
31	Klinker, sanga dan abu dari penuru buangan terjadual / Clinker/Slag/Ashes from Incinerator	SW 406	7,951.19	0
32	Buangan cecair terma / Waste of Thermal Fluids	SW 327	7,604.53	0
33	Alkali terpakai / Spent Alkalis	SW 401	7,262.88	0
34	Buangan pelarut organik terhalogen / Waste of Halogenated Solvents	SW 323	7,227.13	0
35	Tanah/puing tercemar / Contaminated Land/oil	SW 408	4,369.64	0
36	Asid organik terpakai / Spent Organic Acids	SW 301	4,350.34	0
37	Alkali terpakai dengan pH \geq 11.5 / Spent Alkalis with PH $>$ 11.5	SW 402	4,263.17	0
38	Buangan kimia / Waste Of Batteries Containing Cadmium/Hg/Lithium	SW 103	3,682.76	0
39	Minyak/Enapcemar daripada loji penapisan minyak / Oil/Sludges from Oil Refinery	SW 314	3,274.41	0
40	Larutan alkali berair terpakai yang mengandungi sianida / Spent Aqueous alkaline Containing Cyanide	SW 414	2,783.04	0
41	Sisa berminyak dari bengkel automotiv / Oily Residue from Workshop	SW 312	2,479.80	0
42	Buangan mengandungi merkuri / Waste containing Mercury/Compound	SW 109	1,773.80	0
43	Buangan mengandungi formaldehid / Waste Containing Formaldehyde	SW 320	1,764.29	0
44	Enap cemar dari tangki penyimpanan minyak mineral / Sludges from mineral oil storage tank	SW 310	1,359.87	0
45	Tar atau sisa bertar dari loji penapisan minyak / Tar Residue from Oil Refinery/Petrochemical Plant	SW 315	866.78	0

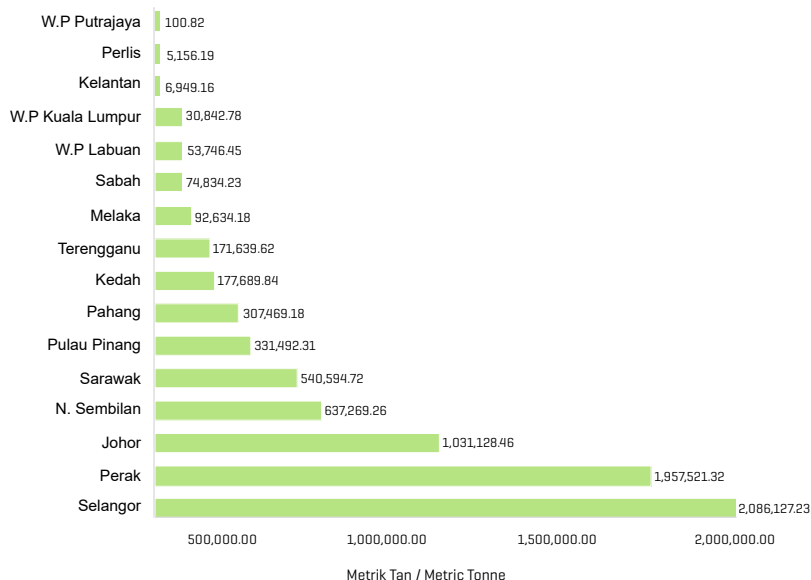
6 [b] : Jumlah Buangan Terjadual yang Dihasilkan mengikut Kod Buangan Terjadual, 2021
6 [b] : Quantity of Scheduled Wastes Generated by Scheduled Waste Code, 2021

BIL / NO	NAMA BUANGAN / NAME OF WASTE	KOD BUANGAN / WASTE CODE	KUANTITI BUANGAN / QUANTITY OF WASTE	
			(MT/TAHUN) / (MT/YEAR)	PERATUSAN (%) / PERCENTAGE [%]
46	Agens pengoksidaan terpakai / Spent Oxidizing Agent	SW 424	719.95	0
47	Buangan farmaseutikal / Discarded Drug	SW 405	575.97	0
48	Dedah terbuang / Expired Drug	SW 403	440.31	0
49	Buangan sisa penyulingan tidak berair terhalogen atau bukan / Waste of halogenated or unhalogenated non-aqueous distillation residues arising from organic solvents recovery process	SW 324	424.95	0
50	Buangan Asbestos / Asbestos	SW 201	402.14	0
51	Buangan makmal / Chemical Waste	SW 430	356.42	0
52	Tanah yang dicemari dengan minyak daripada penapisan / Contaminated Oil from re-refining/used lubricating Oil	SW 313	318.41	0
53	Erap cemar yang distabilkan / Stabilized Sludges	SW 203	181.05	0
54	Buangan fluks / Flux Waste	SW 302	178.57	0
55	Sisa dari pemerolehan kembali likur penjurukan asid / Residue from Recovery of Acid Pickling Liquor	SW 106	138.82	0
56	Buangan racun perosak / Pesticide	SW 425	99.76	0
57	Produk racun perosak yang tidak mengikut spesifikasi / Used Pesticide/Herbicides/Biocides	SW 426	90.41	0
58	Buangan fenol / Waste of Phenols/Its Compound	SW 319	53.71	0
59	Buangan yang mengandungi peroksida / Waste Containing Peroxides	SW 432	33.88	0
60	Disosianat terpakai / Spent di-isocyanates	SW 419	32.51	0
61	Erap cemar dari tangki minyak / Oil tankers sludges	SW 308	22.32	0
62	Buangan daripada operasi pengawetan kayu / Waste from Wood Containing Heavy Metals	SW 428	17.67	0
63	Buangan dari pengilangan bahan letupan / Waste from Manufacturing/Processing or use of explosive	SW 431	14.69	0

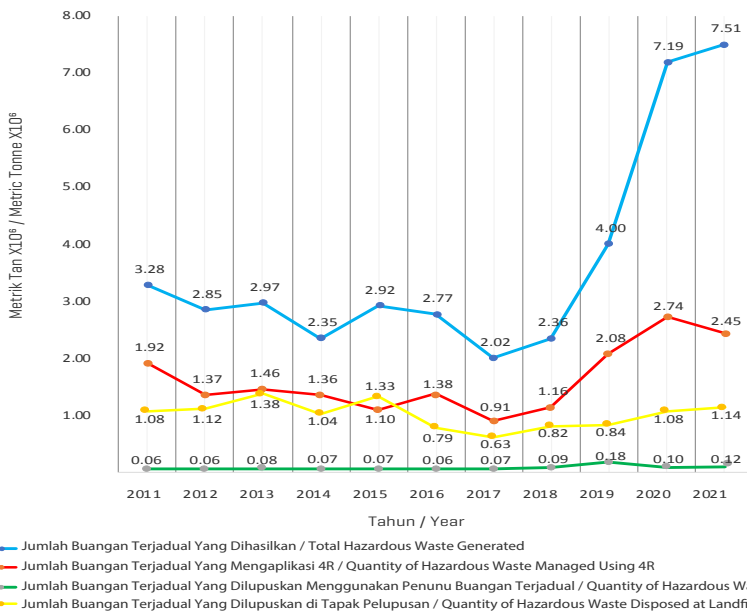
6 (b) : Jumlah Buangan Terjadual yang Dihasilkan mengikut Kod Buangan Terjadual, 2021
6 (b) : Quantity of Scheduled Wastes Generated by Scheduled Waste Code, 2021

BIL / NO	NAMA BUANGAN / NAME OF WASTE	KOD BUANGAN / WASTE CODE	KUANTITI BUANGAN / QUANTITY OF WASTE	
			(MT/TAHUN) / (MT/YEAR)	PERATUSAN (%) / PERCENTAGE (%)
64	Buangan yang mengandungi arsenik / Waste containing arsenic	SW 101	7.94	0
65	Enap cemar asid / Acid Sludges	SW 316	6.41	0
66	Enap cemar yang mengandungi sianida / Sludges Containing Cyanide	SW 412	2.90	0
67	Sisa dari pemrosesan zink / Zink Residue	SW 108	0.98	0
68	Garam terpakai yang mengandungi sianida / Spent salt containing Cyanide	SW 413	0.96	0
69	Buangan sebatian fosforus organik / Waste of Organic phosphorus compound	SW 326	0.89	0
70	Sanga kuprum / Slag of Copper	SW 107	0.85	0
71	Sebatian organologam terpakai / Spent of Organometallic compound	SW 317	0.10	0
72	Buangan yang mengandungi dioksin atau furan / Waste Containing Dioxins Or Furans	SW 407	0.02	0
73	Buangan yang mengandungi BFT dan TFT / Waste containing PCB or PCT	SW 318	-	0
74	Minyak pelindapan terpakai yang mengandungi sianida / Spent quenching Oil Containing Cyanide	SW 415	-	0
75	kek tekan daripada prapengolahan lai sabun gliserol / Cake from Glycerol Soap Iye	SW 304	-	0
76	Enap cemar galvanik / Galvanic sludges	SW 105	-	0
77	Larutan resap dari tapak pelupusan buangan terjadual / Leachate from Scheduled Waste Landfill	SW 420	-	0
	JUMLAH		7,505,195.76	100

6 (c) : Penghasilan Buangan Terjadual mengikut Negeri 2021
6 (c) : Distribution of Scheduled Waste Generated by State 2021



6 (d) : Trend Pengurusan Buangan Terjadual, 2011-2021
6 (d) : Scheduled Waste Management Trend, 2011-2021



6 [e] : Kemudahan yang Mengendalikan Buangan Terjadual, 2021

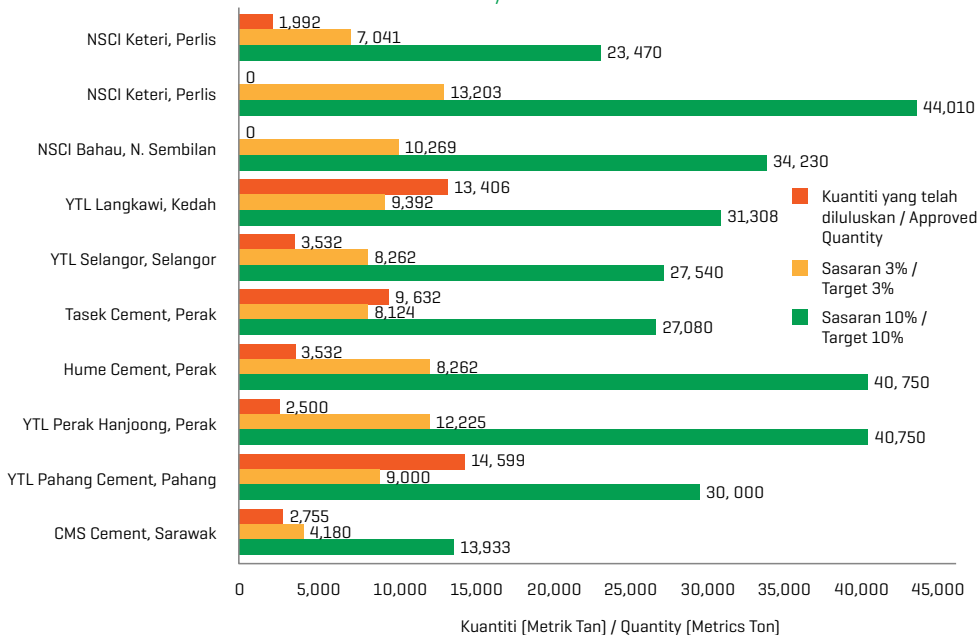
6 [e] : Facilities Handling Scheduled Wastes, 2021

BIL / NO	KEMUDAHAN / FACILITIES	[MT/YEAR] / [MT/TAHUN]	PERCENTAGE [%] / PERATUSAN [%]
1	Pengurusan Khas / Special Waste Management	2,002,522.33	26.68
2	Pengolahan Dalam Tapak / OnSite Treatment	1,191,005.58	15.87
3	Kemudahan Pemerolehan Kembali Luar Tapak Tempatan / Local Off-Site Recovery Facilities	396,773.42	5.29
4	Penstoran Dalam Tapak / On Site Storage	3,543,396.88	47.21
5	Kualiti Alam Sdn Bhd / Kualiti Alam Sdn Bhd	168,208.55	2.24
6	Kemudahan Buangan Klinikal (Penunu Buangan Klinikal, Gelombang Mikro dan Tapak Pelupusan Selamat) / Off-Site Clinical Waste Facilities (Incinerator, Microwave and Secured Landfill)	57,378.48	0.76
7	Kemudahan Luar Negara (Ekspot) / Foreign Facilities (Export)	114,844.52	1.53
8	Trienekens (Sarawak) Sdn Bhd / Trienekens (Sarawak) Sdn Bhd	31,066.00	0.41
	Jumlah	7,505,195.76	100.00

Air Terjun Kota Kinabalu, Sabah

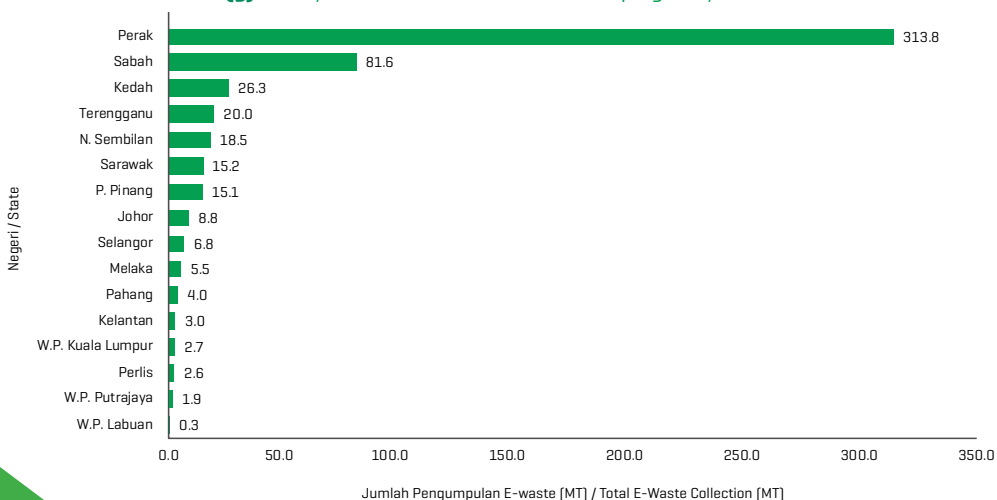
6 (f) : Kuantiti Buangan Terjadual yang Digunakan Sebagai Bahan Mentah Gantian oleh Kilang-Kilang Simen di Malaysia

6 (f) : Quantity of Scheduled Wastes Used as Alternative Raw Material by Cement Plants in Malaysia



6 (g) : Analisis Kempen Pengumpulan E-Waste mengikut Negeri

6 (g) : Analysis of E-Waste Collection Campaigns by State



6 (h) : Buangan Terjadual yang Diuruskan Di Bawah Pengurusan Khas, 2021

6 (h) : Scheduled Waste Managed Under Special Management, 2021

BIL / NO.	KATEGORI BUANGAN / WASTE CATEGORY	KOD BUANGAN / WASTE CODE	SUMBER / SOURCE	METRIK TAN / TONNES	PERATUS [%] / PERCENT [%]	KAEDAH PELUPUSAN / METHOD OF DISPOSAL
1	Erap Cemar Logam Berat / Heavy Metal Sludge	SW 204	Loji Rawatan Air Minuman / Drinking Water Treatment Plant	1,125,107.13	56.18	Tapak Pelupusan Sanitari / Sanitary Landfill
				6,860.61	0.34	
			Industri / Industry	44,770.16	2.24	Guna semula sebagai bahan mentah pembuatan produk / Reuse as raw material for product
2	Fly Ash & Bottom Ash	SW 104	Coal-Fired Power Plant	652,565.40	32.59	Guna semula sebagai bahan mentah pembuatan produk / Reuse as raw material for product
			Industri / Industry	156,987.08	7.84	
3	Buangan yang Mengandungi Formaldehid, Resin, Serbuk Epoksi Terbuang / Waste Containing Formaldehyde, Resin, Discarded Epoxy Powder	SW 320, 325, 418	Industri / Industry	670.09	0.03	Tapak Pelupusan Sanitari / Sanitary Landfill
4	Abu dari Enapcemar Kertas / Ash of Paper Sludge	SW 406	Industri / Industry	4,624.39	0.23	Tapak Pelupusan Sanitari / Reuse as raw material for product

6 (h) : Buangan Terjadual yang Diuruskan Di Bawah Pengurusan Khas, 2021
6 (h) : Scheduled Waste Managed Under Special Management, 2021

BIL / NO.	KATEGORI BUANGAN / WASTE CATEGORY	KOD BUANGAN / WASTE CODE	SUMBER / SOURCE	METRIK TAN / TONNES	PERATUS [%] / PERCENT [%]	KAEDAH PELUPUSAN / METHOD OF DISPOSAL
5	Peralatan yang dicemari buangan terjadual / Equipment contaminated with scheduled waste	SW 409	Industri / Industry	1.72	0.00	Guna semula sebagai bahan mentah pembuatan produk / Reuse as raw material for product
6	Activated Carbon Terpakai / Spent activated carbon	SW 411	Industri / Industry	6,471.00	0.32	Guna semula sebagai bahan mentah pembuatan produk
7	Minyak terpakai bercampur / Spent Mixed Oil	SW 421	Industri / Industry	3,759.72	0.19	Guna semula sebagai bahan mentah pembuatan produk
8	Enap Cemar Mineral / Mineral sludge	SW 427	Industri / Industry	690.34	0.03	Guna semula sebagai bahan agen peneutralan / Reuse as neutralizing agent
9	Buangan daripada bahan letupan terpakai / Waste use of explosive	SW 431	Industri / Industry	14.69	0.00	Kaedah pembakaran / Burning method
			Jumlah	2,002,522.33	100.00	

FOCUS GROUP DISCUSSION RMK12

34⁰⁰

8 FGD

Pengukuhan Dokumen Panduan EIA
- Guideline Investor
- SZIRA & EESIM

6 FGD

Pengukuhan Dokumen Panduan EIA
- EGIM
- PTO EIA

9 FGD

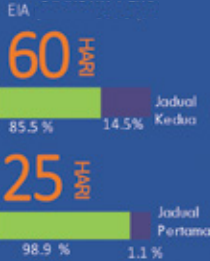
Pengukuhan skim juruaudit alam sekeliling dan jururunding EIA
- Manual Audit
- Skim Pendaftaran Jururunding EIA dan Juruaudit

11 FGD

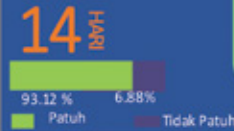
Pindaan Perintah EIA 20XX



STATISTIK PEMATUHAN PIAGAM



INPUT PEMBANGUNAN



PL/ PBK SEKSYEN 34AA AKAS 1974



STATISTIK PENILAIAN LAPORAN EIA



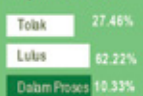
TOR - J2



Laporan EIA - J2



Laporan EIA - J1



STATISTIK PEMANTAUAN POST EIA (2015 SEHINGGA 2021)

TAHUN	BIL. SIASATAN	STATUS PEMATUHAN SIASATAN		TINDAKAN SUSULAN				
		PATUH	TIDAK PATUH	FIELD CITATION	NOTIS	KOMP.	MAHK	PL/PBK
2015	1134	725	409	1134	323	127	26	1
2016	948	622	326	948	260	101	4	0
2017	1175	846	329	1175	392	81	24	4
2018	1156	798	358	1156	417	72	11	5
2019	1331	929	402	1331	417	93	40	17
2020	1344	806	538	1344	525	205	37	7
2021	954	674	280	891	289	177	55	12
JUMLAH	8051	5400	2642	7979	2623	856	197	39

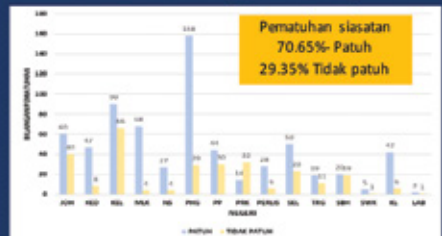
STATISTIK PERMOHONAN OYL

Permohonan Jururunding EIA	Lulus	Tidak Lulus	Jumlah Permohonan
Baru	87	40	127
Pembaharuan	109	12	121

Permohonan Juruaudit Alam Sekitar	Lulus	Tidak Lulus	Jumlah Permohonan
Baru	8	1	9
Pembaharuan	14	4	18

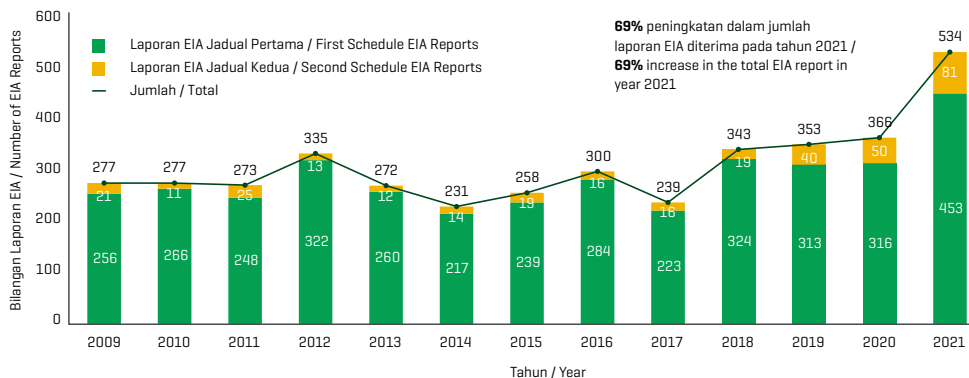
Jururunding EIA berdaftar = 1309 orang
Juruaudit Alam Sekitar berdaftar = 72 orang

STATISTIK PEMATUHAN POST EIA BERDASARKAN SIASATAN MENGIKUT NEGERI (



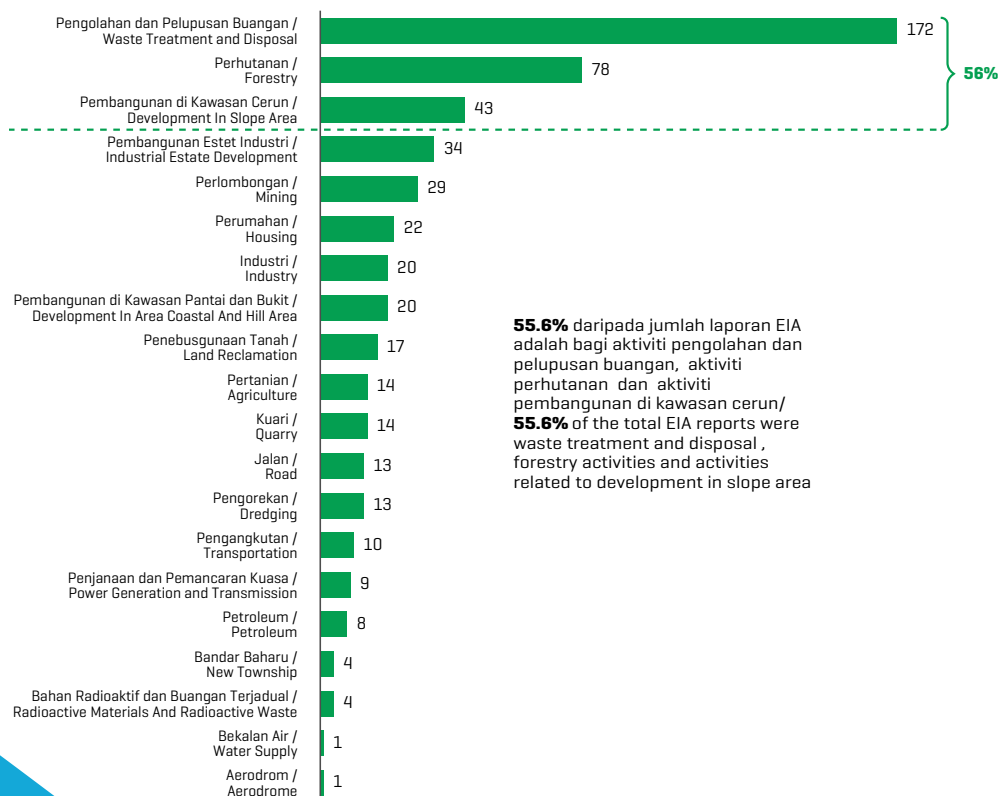
7 (a) : Bilangan Laporan EIA yang Diterima mengikut Tahun

7 (a) : The Number of EIA Reports Received by Years



7 (b) : Bilangan Laporan EIA yang Diterima mengikut Aktiviti yang Ditetapkan, 2021

7 (b) : The Number of EIA Reports Received by Prescribed Activities, 2021



7 (c) : Jumlah Keseluruhan Jururunding Berdaftar Sehingga 31 Disember 2021

7 (c) : Number of Registered Consultants Until 31 December 2021

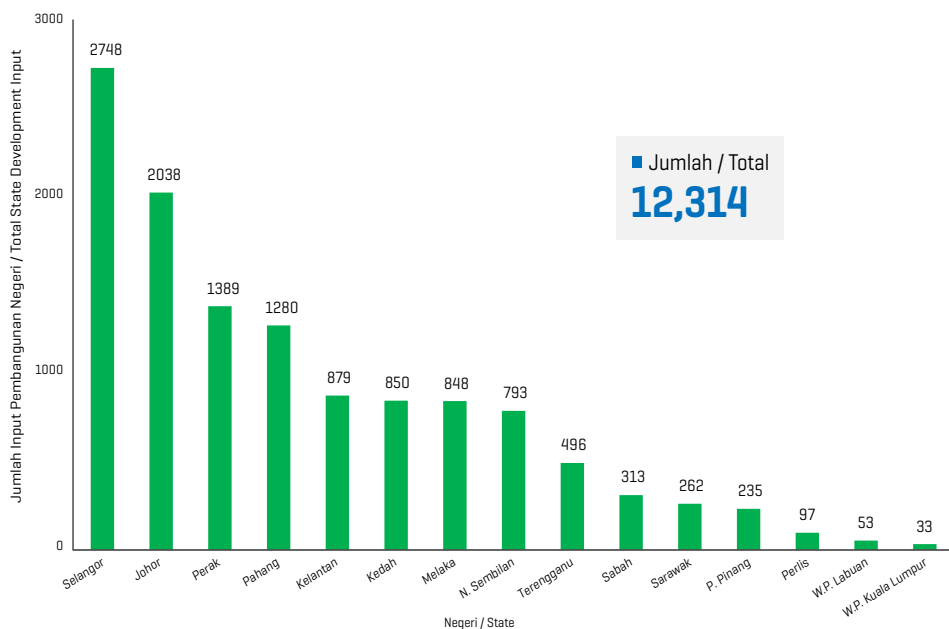
BIL./ NO.	BIDANG / FUNCTIONAL AREA	BILANGAN JURURUNDING / NUMBERS OF CONSULTANT	PERATUSAN / PERCENTAGE
1.	EIA Consultant ** EIA Consultant boleh memiliki maksimum 2 bidang / EIA Consultant can have maximum 2 functional area	120	25.9
	a) Kawalan Kualiti Air / Water Pollution Control	153	
	b) Kawalan Kualiti Udara / Air Pollution Control	77	
	c) Pengurusan Sisa / Waste Management	75	
2.	Subject Consultant [CS]	77	16.6
3.	Subject Specialist [SS]	140	30.2
4.	Assistant Consultant [AC]	122	26.3
5.	Assistant Consultant & Subject Specialist [ACS]	5	1.0
Jumlah / Total		464	100

7 (d) : Jumlah Permohonan Juruaudit Alam Sekeliling yang Diluluskan, 2021

7 (d) : Number of Approved Environmental Auditor Applications, 2021

JENIS PERMOHONAN / TYPES OF APPLIANT	JUMLAH PERMOHONAN / NO. OF APPLICANT	JUMLAH LULUS / NO. OF APPLICANT APPROVED	PERATUSAN LULUS / PERCENTAGE APPROVED
Baharu / New	9	8	89%
Pembaharuan / Renew	18	14	78%

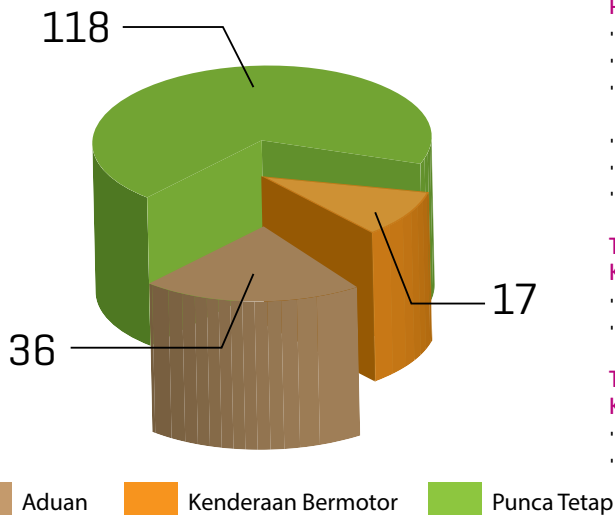
7 (e) : Bilangan Input Alam Sekitar kepada Perancangan Pembangunan mengikut Negeri, 2021
7 (e) : The Number of Environmental Input for Development Planning by States, 2021



Kampung Morten, Melaka

PENCAPAIAN PENGUATKUASAAN TAHUN 2021

KEKUATAN JAS [BILANGAN PASUKAN]



TINDAKAN PENGUATKUASAAN PUNCA TETAP

- Notis Arahan : 2,799
- Kompaun : 7,050
- Penahanan Operasi Kelengkapan [POK] : 173
- Perintah Larangan : 6
- Gantung Lesen : 21
- Kertas Siasatan dibuka : 358

TINDAKAN MAHKAMAH KESELURUHAN

- Bil. Pertuduhan [Selesai] : 268
- Denda [RM] : 4,762,500.00

TINDAKAN KOMPAUN KESELURUHAN

- Bil. Kompaun Bayar : 8,766
- Kutipan [RM] : 10,226,900.00

PEMATUHAN KENDERAAN BERMOTOR

- Bil. Pemeriksaan : 5,441
- Peratus Pencapaian KPI : 99.8%
- Bil. Kompaun : 1,067
- Peratus Pencapaian KPI : 69.7%
- Peratus Pematuhan
 - Ops Diesel : 98.64 %
 - Ops Petrol: 93.91%
 - Ops Bunyi Bising Motosikal : 55.96%
 - Ops Gas Motosikal : 91.14%

OPERASI PEMULANGAN KONTENA PLASTIK

- Bil. Kontena dihantar pulang ke negara asal : 31

OPS GERAK

- Bil. Operasi : 339
- Bil. Kenderaan Diperiksa : 29,767
- Bil. Kompaun : 881
- Bil. Uji Semula : 1,110
- Bil. Perintah Larangan : 54

OPS GEMPUR

- Bil. Operasi : 141
- Bil. Premis Diperiksa : 3,146
- Peratus Pematuhan : 75%
- Tindakan penguatkuasaan : 3,675

ADUAN

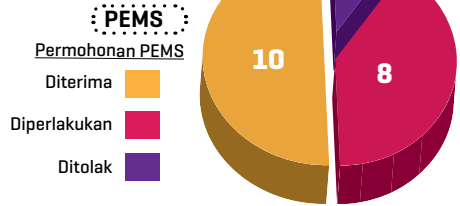
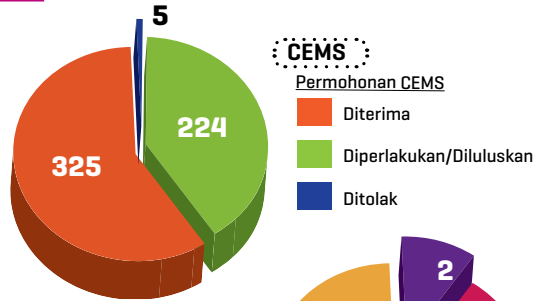
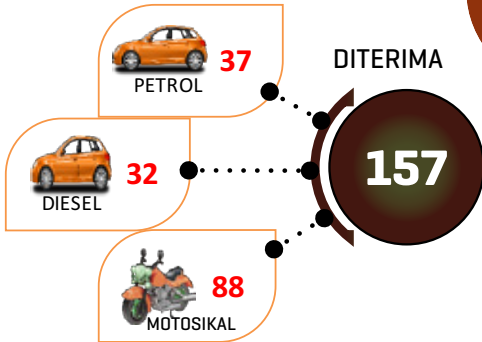
- Bil. Aduan Diterima : 9,747
- Bil. Kes Kecemasan : 59
- Bil. Aduan Berulang : 36

OPS PATUH: AKTA 342

- [28 Jan-31 Dis 2021]
- Bil. Premis / tapak pembinaan diperiksa : 5,409
- 187 laporan harian



PERMOHONAN KELULUSAN JENIS KENDERAAN



CEMS - Continuous Emission Monitoring System
PEMS - Predictive Emission Monitoring System

PERSAMPELAN BAHAN API

SASARAN PREMIS	145
PREMIS DISIASAT	133 premis
PERATUS PEMATUHAN	100 %

PENCAPAIAN KUALITI BAHAN API DIESEL EURO 5

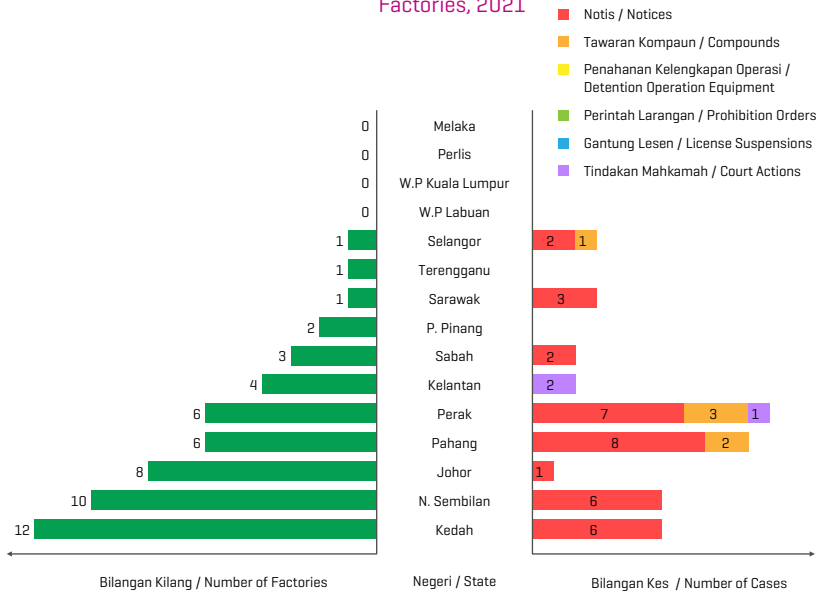
BILANGAN PREMIS	STESEN MINYAK	3,660
	DEPOH/ TERMINAL	25
PERATUS PEMATUHAN		100%

PROTOKOL MONTREAL

Projek Penukaran Teknologi bagi Industri Pembuatan Busa (HPMP II)		Certified Service Technician Program (CSTP)		Permohonan Permit Import dan Eksport HCFC, HFC & Halon	
Status	Bilangan	Status	Bilangan	Jenis Pemohonan AP	Bilangan
Selesai	12	Bilangan Kursus dilaksanakan	33	Import HCFC	199
Dalam Pelaksanaan	33	Bilangan ATC	48	Import HFC	1,106
Penutupan Premis / Tarik diri	18	Bilangan Master Trainers Bertauliah	280	Import Halon	0
Premis tidak layak dapat bantuan	14	Bilangan Juruteknik Bertauliah	19,889	Eksport HCFC	4
Jumlah	77			Eksport HFC	221

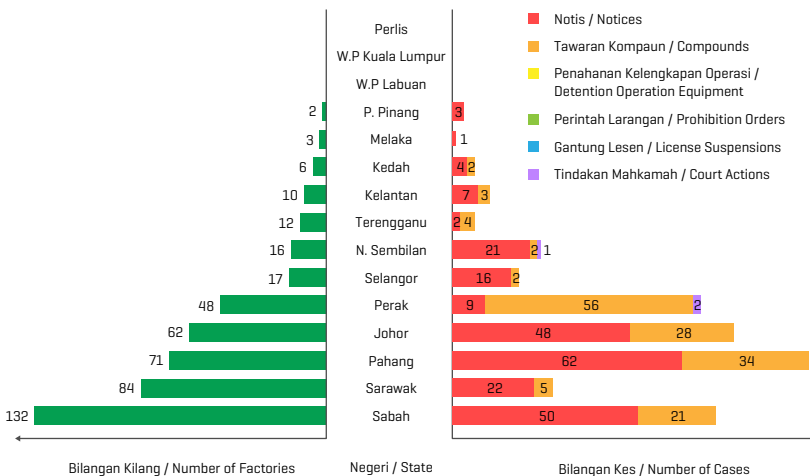
8 (a) : Bilangan Kilang Getah Asli Mentah dan Tindakan Undang-Undang Terhadap Kilang Getah Asli Mentah, 2021

8 (a) : Number of Raw Natural Rubber Factories and Legal Actions Against Raw Natural Rubber Factories, 2021



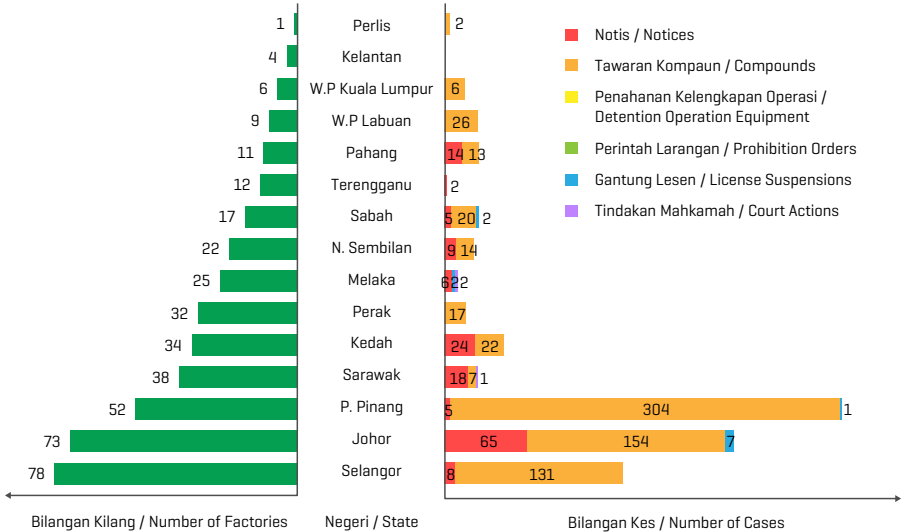
8 (b) : Bilangan Kilang Minyak Kelapa Sawit Mentah dan Tindakan Undang-Undang Terhadap Kilang Minyak Kelapa Sawit Mentah, 2021

8 (b) : Number of Raw Natural Rubber Factories and Legal Actions Against Raw Natural Rubber Factories, 2021



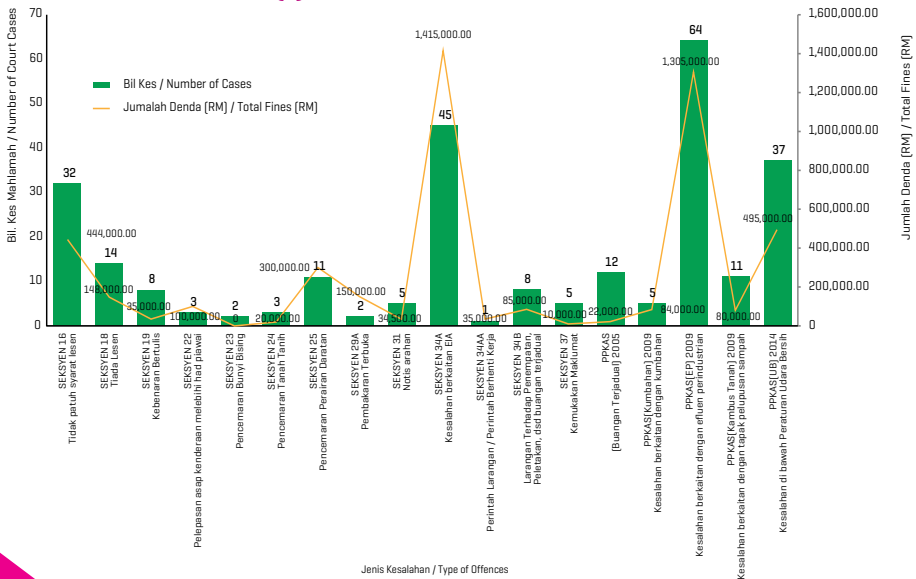
8 (c) : Bilangan Kemudahan Pengolahan dan Pelupusan Buangan Terjadual dan Tindakan Undang-Undang Terhadap Kemudahan Pengolahan dan Pelupusan Buangan Terjadual, 2021

8 (c) : Number and Legal Actions Againsts Facilities for the Treatment and Disposal Facilities of Scheduled Wastes, 2021



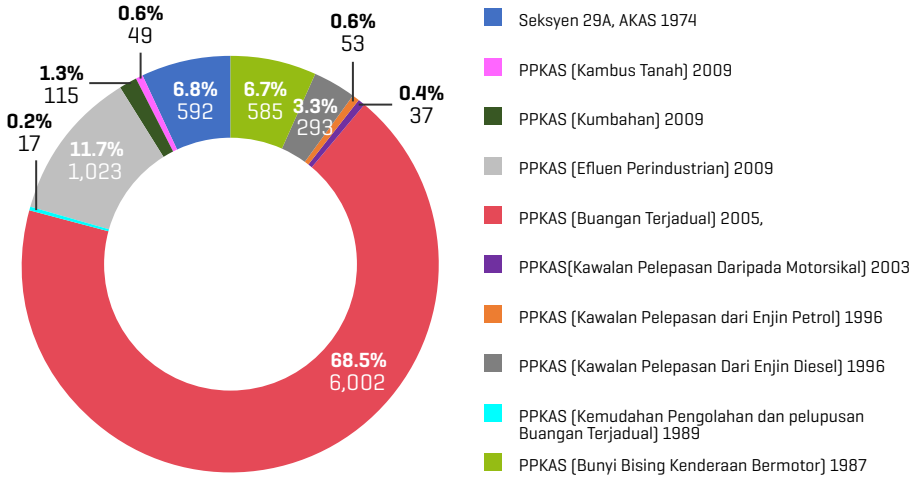
8 (d) : Bilangan Kes Mahkamah dan Denda, 2021

8 (d) : Number of Court Cases and Fines, 2021



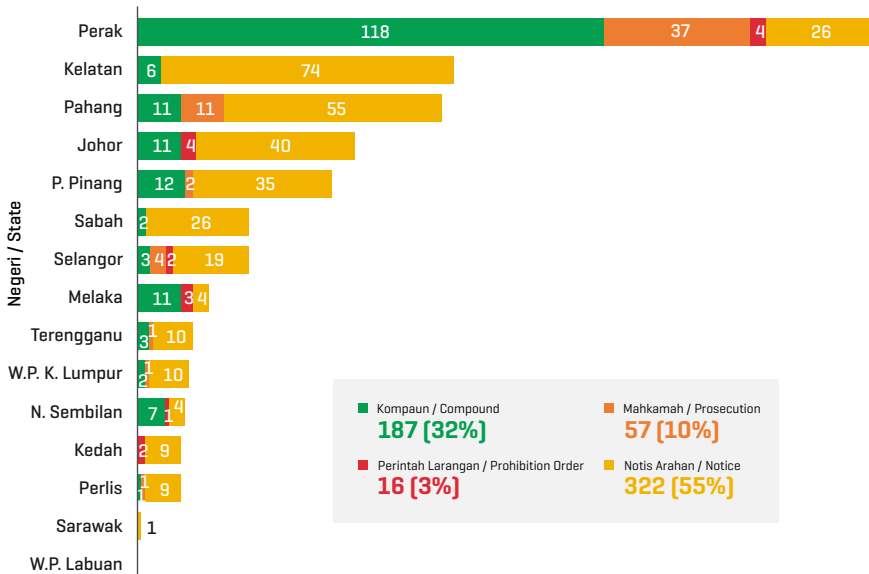
8 (e) : Bilangan Kes Kampaun mengikut Pecahan Peraturan-Peraturan Kualiti Alam Sekeliling [PPKAS], 2021

8 (e) : Number of Compound Cases According to Environmental Quality Regulations, 2021



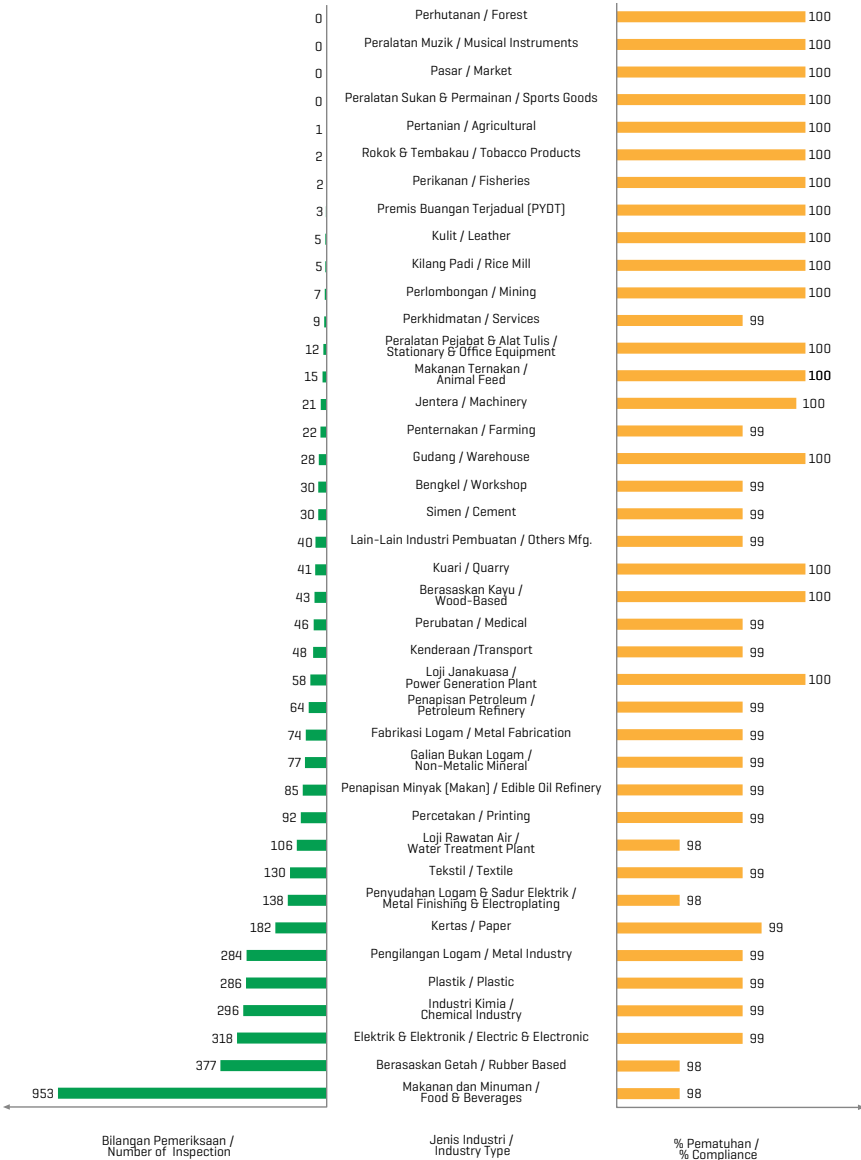
8 (f) : Tindakan Susulan Penguatkuasaan Projek EIA Tahun 2021

8 (f) : Follow Up Action of EIA Enforcement Investigations Year 2021



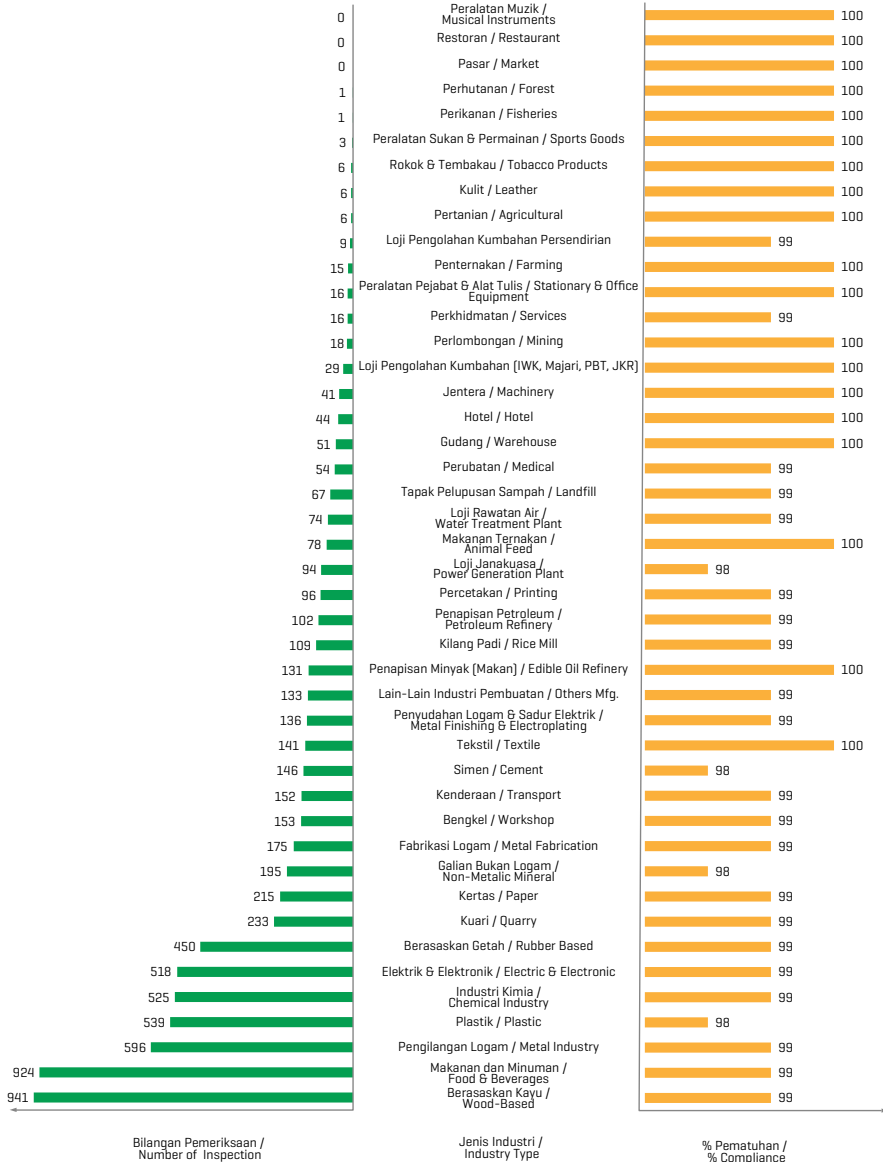
8 (g) : Status Pematuhan Industri Terhadap Peraturan-Peraturan Kualiti Alam Sekeliling (Efluen) Perindustrian 2009, 2021

8 (g) : Compliance Status to the Environmental Quality Industrial (Effluent) Regulations 2009, 2021



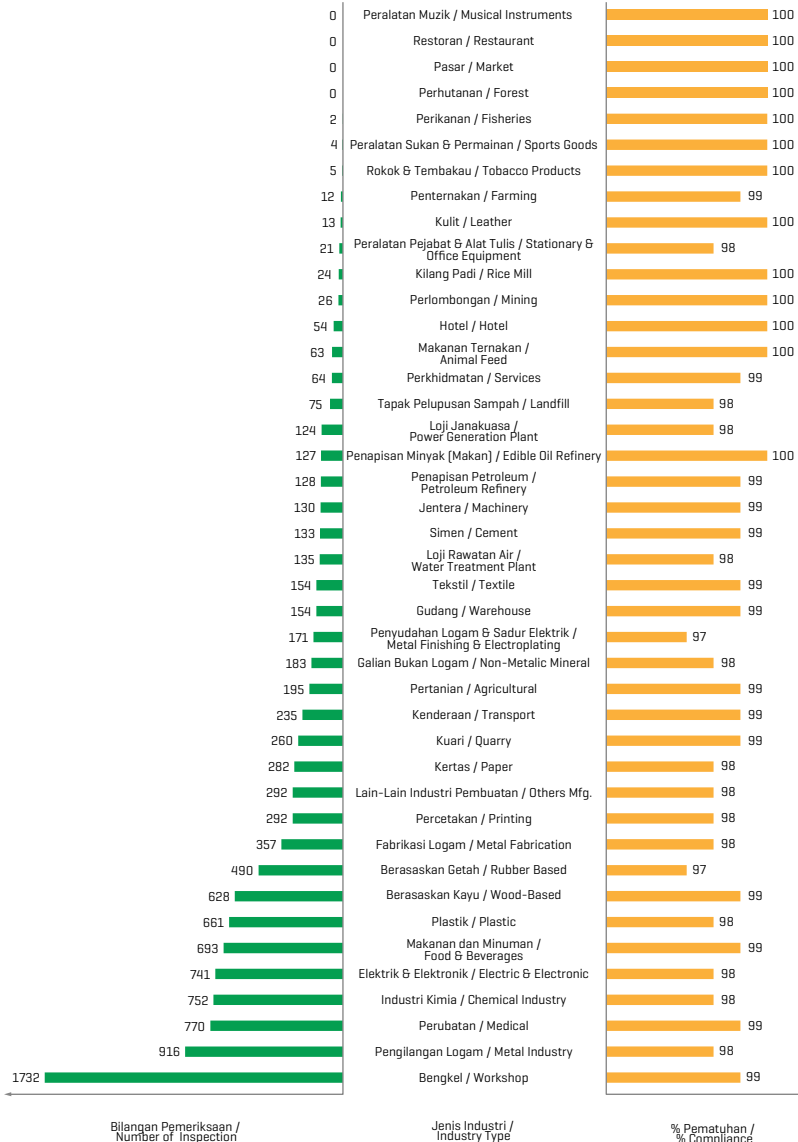
8 (h) : Status Pematuhan Industri Terhadap Peraturan-Peraturan Kualiti Alam Sekeliling (Udara Bersih) 2014, 2021

8 (h) : Compliance Status to the Environmental Quality [Clean Air] Regulations 2014, 2021



8 (j) : Status Pemuatan Industri Terhadap Peraturan-Peraturan Kualiti Alam Sekeliling
(Buangan Terjadual) 2005, 2021

8 (j) : Compliance Status to the Environmental Quality [Scheduled Wastes] Regulations
2005, 2021



AKTIVITI KESEDARAN ALAM SEKITAR (IBU PEJABAT)

	HARI ALAM SEKITAR NEGARA	1 PROGRAM 4 AKTIVITI	OUTREACH 571,317
	HARI ALAM SEKITAR SEDUNIA	1 PROGRAM 3 AKTIVITI	OUTREACH 99,054
	HARI BUMI	1 PROGRAM 3 AKTIVITI	OUTREACH 108,183
	HARI OZON SEDUNIA	1 PROGRAM 2 AKTIVITI	OUTREACH -
	PENGUMPULAN BEE/eWASTE	1 PROGRAM	OUTREACH 300
	PROGRAM DENAI SUNGAI	8 PROGRAM	OUTREACH 300
	PAMERAN ALAM SEKITAR	5 PAMERAN	OUTREACH 300
	RAKAN ALAM SEKITAR (RAS)	PENDAFTARAN AHLI RAS 300 ORANG	OUTREACH 4,860
	RAKAN ALAM SEKITAR (RAS)	PROGRAM KESEDARAN 8 AKTIVITI	OUTREACH 50
	WEBINAR / SLOT TEMUBUAL	13 PROGRAM	OUTREACH 49,963

PERHUBUNGAN ANTARABANGSA (IBU PEJABAT)

MESYUARAT / KERJASAMA ANTARABANGSA



BILATERAL

16 PROGRAM



MULTILATERAL

8 PROGRAM

PENDIDIKAN ALAM SEKITAR (IBU PEJABAT)

PENDIDIKAN & KESEDARAN ALAM SEKITAR



SEKOLAH

6 PROGRAM



IPT

7 PROGRAM

MEDIA DAN KOMUNIKASI KORPRAT (IBU PEJABAT)



KERJASAMA DENGAN RAKAN STRATEGIK

6 RAKAN STRATEGIK



HEBAHAN MEDIA MASSA

27 HEBAHAN



HEBAHAN MEDIA SOSIAL

550 HEBAHAN



PANTUN/PUISI/SAJAK/ SYAIR ALAM

12 CONTENT



LIPUTAN PROGRAM/ACARA/ WEBINAR MELALUI FB LIVE & YOUTUBE LIVE

24 PROGRAM



PENYEDIAAN GRAFIK

228 GRAFIK



POCKET TALK

20 PROGRAM



FOTOGRAFI PROGRAM/LAWATAN/ MESYUARAT/KORPORAT

52 PROGRAM



PENYEDIAAN VIDEO UMUM/ OPS/MONTAJ/ GIMIK/ IPU PROGRAM/ ACARA JABATAN

55 VIDEO



KENYATAAN MEDIA

29 KENYATAAN MEDIA

PENERBITAN DAN PERPUSTAKAAN (IBU PEJABAT)



MUATNAIK BAHAN KE EKMC

2510 BAHAN

3 Bahan/Bulan



MUATNAIK BAHAN KE eMUSEUM

4164 AKTIVITI

10 Aktiviti/Bulan



MONDAY IS ENGLISH SPEAKING DAY

48 HEBAHAN

4 Hebahen/Bulan



GREEN TIPS

48 HEBAHAN

4 Hebahen/Bulan



LAPORAN KUALITI ALAM SEKELILING

1 BUKU



LAPORAN TAHUNAN

1 BUKU



MODUL LATIHAN INDUSTRI (INTEN)

1 BUKU



BUKU KOMPENDIUM

1 BUKU



e-BULETIN

2 NASKAH

9 [a] Senarai Webinar yang telah Dianjurkan dan Disertai oleh JAS Putrajaya pada Tahun 2021

9 [a] : List of Webinars Organized and Participated by DOE in 2021

BIL / No.	TAJUK WEBINAR /WEBINAR TITLE	PENGLIBATAN JAS / DOE INVOLVEMENT	TARIKH / DATE	OUTREACH / KEHADIRAN
1.	Tumbang Rusuk "Break the Silence"	Penganjur / Organizer	16 Februari 2021 / 16 February 2021	707
2.	FMM Industrial Waste Management Webinar	Panel / Panels	3 Mac 2021 / 3 March 2021	100
3.	Women in SHE: Collective Action in Keeping Pace with Change	Panel / Panels	8 Mac 2021 / 8 March 2021	378
4.	Imej Dan Ketrampilan Diri - Build Up Your ABCD : Appearance, Behaviour, Communication & Development	Penganjur / Organizer	9 Mac 2021 / 9 March 2021	12,040
5.	Safeguarding and Rehabilitating Malaysian Rivers: Role & Responsibility of One and All	Panel / Panels	31 Mac 2021 / 31 March 2021	1249
6.	Bumi Semakin Tua, Kelestarian Alam Sekitar Tanggungjawab Bersama	Panel / Panels	19 April 2021 / 19 April 2021	50
7.	Promosi Sekolah Lestari Anugerah Alam Sekitar Peringkat Kebangsaan 2021	Penganjur / Organizer	3 Mei 2021 / 3 May 2021	845
8.	WED: Pemulihan Ekosistem	Penganjur / Organizer	5 Jun 2021 / 5 June 2021	12,200
9.	Peranan dan Komitmen JAS ke Arah Kelestarian Alam Sekitar	Panel / Panels	28 Jun 2021 / 28 June 2021	1,844
10.	Bersama-sama Pulihkan Ekosistem Kita	Panel / Panels	30 Jun 2021 / 30 June 2021	885
11.	Jom Kita Berkenalan dengan AKAS1974	Panel / Panels	6 Julai 2021 / 6 July 2021	100
12.	Bicara Integriti: Antara Nikmat & Laknat	Penganjur / Organizer	7 Julai 2021 / 7 July 2021	6,696
13.	Debat Alam Sekitar Siri 1: Cakna DAS Kali ke-27	Penganjur / Organizer	13 Julai 2021 / 13 July 2021	7,000
14.	Bagaimana Anda Perlu Menguruskan Buangan Terjadual?	Panel / Panels	15 Julai 2021 / 15 July 2021	100
15.	Cabaran Melaksanakan PPKAS (UB) 2014	Penganjur & Panel / Organizer & Panels	6 Ogos 2021 / 6 August 2021	5,198
16.	Sistem Penjejakan Buangan Terjadual	Panel / Panels	9 Ogos 2021 / 9 August 2021	2,000

9 (a) Senarai Webinar yang telah Dianjurkan dan Disertai oleh JAS Putrajaya pada Tahun 2021

9 (a) : List of Webinars Organized and Participated by DOE in 2021

BIL / No.	TAJUK WEBINAR /WEBINAR TITLE	PENGLIBATAN JAS / DOE INVOLEVEMENT	TARIKH / DATE	OUTREACH / KEHADIRAN
17.	Jerebu dan Cabaran Pandemik Semasa	Penganjur / Organizer	9 Ogos 2021 / 9 August 2021	3,800
18.	Hijrah Lestari	Panel / Panels	10 Ogos 2021 / 10 August 2021	1,217
19.	Debat Alam Sekitar Siri 2: Cakna DAS Kali ke-27	Penganjur / Organizer	11 Ogos 2021 / 11 August 2021	5,348
20.	Keperluan Orang Berwibawa dalam Pengurusan Buangan Terjadual	Panel / Panels	16 Ogos 2021 / 16 August 2021	100
21.	Prosedur Persampelan Air Sungai	Penganjur & Panel / Organizer & Panels	16 Ogos 2021 / 16 August 2021	117
22.	Debat Alam Sekitar Siri 3: Bersama Alumni DAS	Penganjur / Organizer	20 Ogos 2021 / 20 August 2021	6,680
23.	Sembang e-Waste: BB dan JAS Negeri Bersama Kita Memperkasa	Penganjur & Panel / Organizer & Panels	24 Ogos 2021 / 24 August 2021	58
24.	Merdeka Lestari: Alam Sekitar & Kemerdekaan	Penganjur / Organizer	26 Ogos 2021 / 26 August 2021	3,411
25.	Bersama Tingkatkan Kualiti Air Sungai Kita	Penganjur / Organizer	1 September 2021 / 1 September 2021	444
26.	Pengalaman & Success Story Program Komuniti di Pasir Gudang	Penganjur / Organizer	21 September 2021 / 21 September 2021	2,400
27.	Trade Negotiation: Non-Traditional FTA [Sustainable Development & Environment]	Panel / Panels	22 September 2021 / 22 September 2021	30
28.	Pengurusan Air Tasik Sebagai Sumber Bekalan Air	Penganjur / Organizer	29 September 2021 / 29 September 2021	560
29.	Membina Aura Pesona Positif Ke Arah Warga JAS Cemerlang Terbilang	Penganjur / Organizer	1 Oktober 2021 / 1 October 2021	158
30.	Kejadian Pencemaran Air: Sudut Pandangan JAS	Penganjur & Panel / Organizer & Panels	4 Oktober 2021 / 4 October 2021	1,604
31.	Malaysia Ke Arah Matlamat Pembangunan Lestari	Penganjur / Organizer	11 Oktober 2021 / 11 October 2021	1,601

9 (a) Senarai Webinar yang telah Dianjurkan dan Disertai oleh JAS Putrajaya pada Tahun 2021

9 (a) : List of Webinars Organized and Participated by DOE in 2021

BIL / No.	TAJUK WEBINAR /WEBINAR TITLE	PENGLIBATAN JAS / DOE INVOLEVEMENT	TARIKH / DATE	OUTREACH / KEHADIRAN
32.	Alam Sekitar Tanggungjawab Bersama	Penganjur & Panel / Organizer & Panels	21 Oktober 2021 / 21 October 2021	1,876
33.	Sembang Santai: Sukarelawan Kelestarian Alam Sekitar	Penganjur / Organizer	22 Oktober 2021 / 22 October 2021	1,800
34.	Pengurusan Pencemaran Kualiti Air Sungai di Malaysia sempena Hari Alam Sekitar Negara	Penganjur / Organizer	22 Oktober 2021 / 22 October 2021	211
35.	Regim Liabiliti, Tuntutan dan Pampasan Bagi Tumpahan Minyak di Malaysia	Penganjur / Organizer	26 Oktober 2021 / 26 October 2021	65
36.	Pematuhan Terhadap Kehendak Perundangan Dalam Pengurusan Buangan Terjadual	Panel / Panels	1 November 2021 / 1 November 2021	100
37.	Pelaksanaan Prinsip 4R di dalam Pengurusan Buangan Terjadual di Malaysia	Panel / Panels	3 November 2021 / 3 November 2021	769
38.	Don't Let Your e-Waste Harm Our Environment	Panel / Panels	1 November 2021 / 1 November 2021	28
39.	Pengawasan Kualiti Air Marin	Penganjur / Organizer	24 November 2021 / 24 November 2021	122

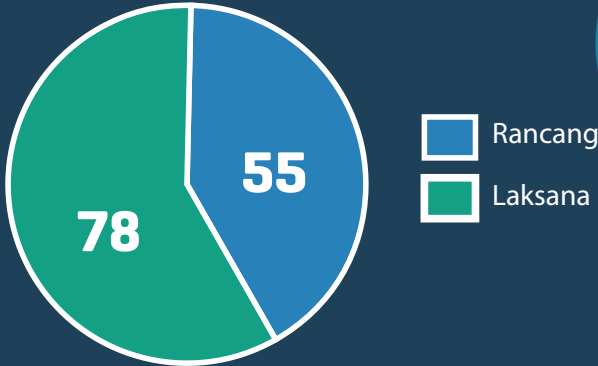
Tanjung Piai, Johor

9 (b) : Pencapaian Program CEPA JAS Tahun 2021
9 (b) : Achievements of the DOE CEPA Program in 2021



KURSUS KOMPETENSI DAN PENSIJILAN INDUSTRI

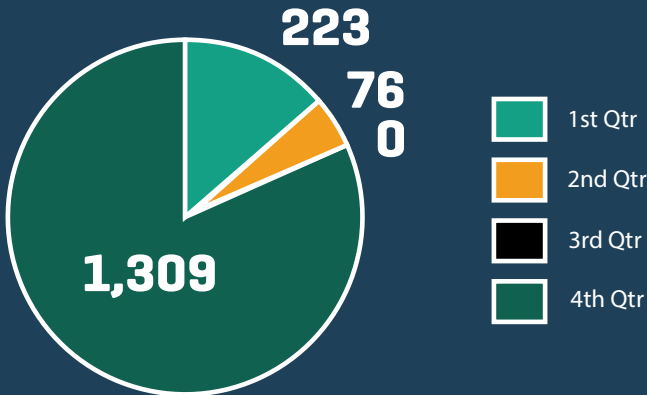
Perlaksanaan Kursus Pensijilan Industri



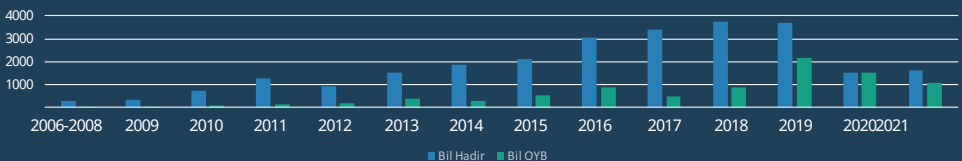
Hadir
2021
1,608

Pencapaian
107%

Kehadiran Peserta Industri

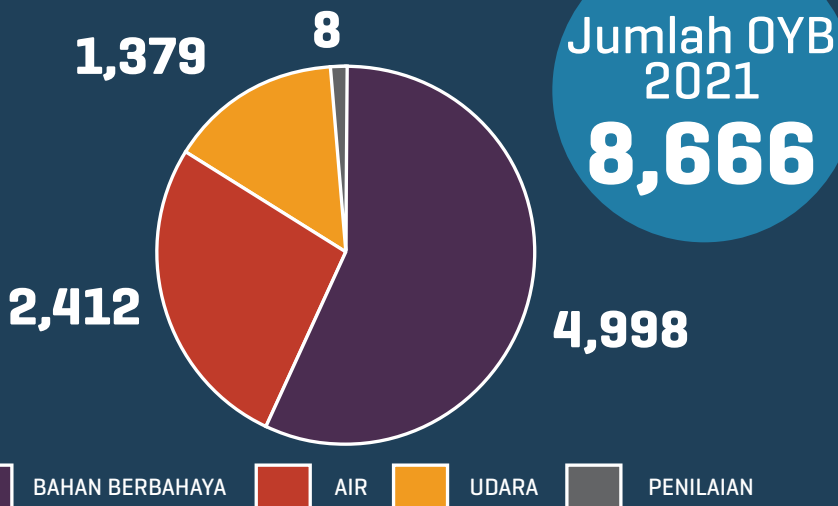


Bil Orang Yang Berwibawa [DYB] Mengikut Tahun

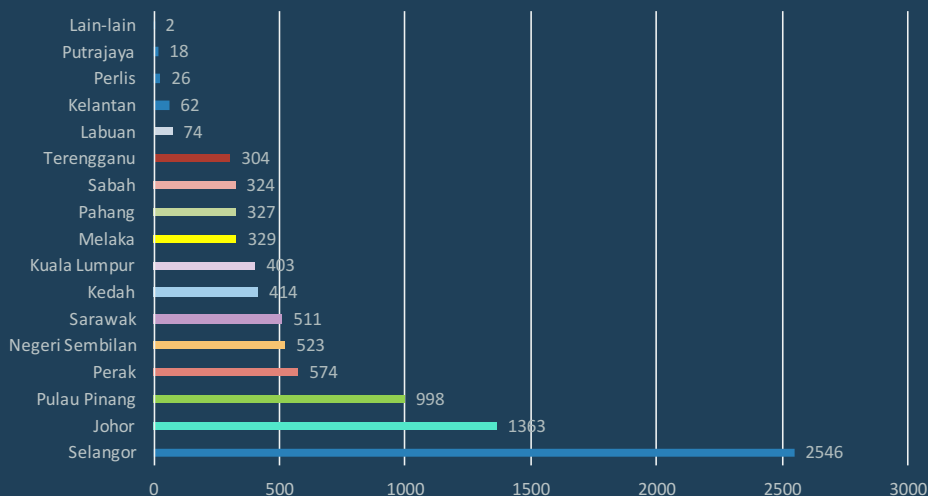


KURSUS KOMPETENSI DAN PENSIJILAN INDUSTRI

Bil Sijil Kompetensi Mengikut Bidang Terkini

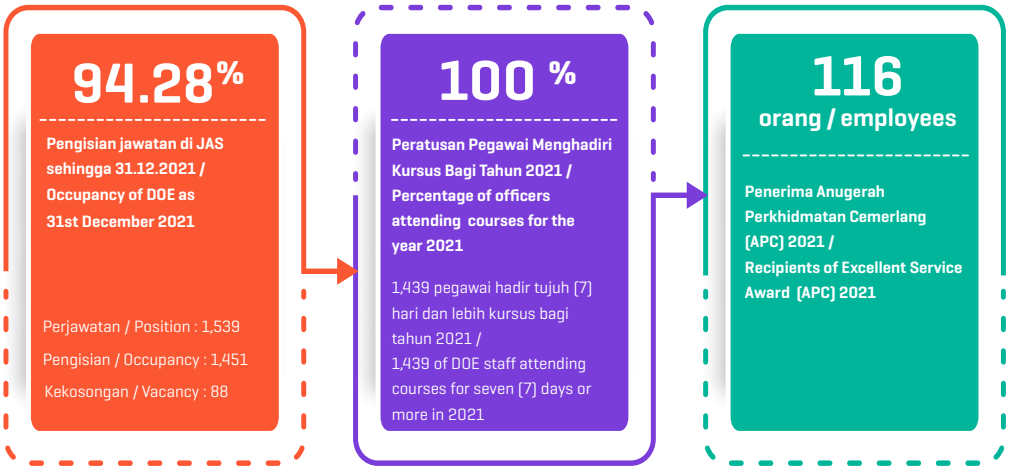


Bil Orang Yang Berwibawa (OYB) Mengikut Negeri



10 (a) : Pengurusan Sumber Manusia dan Kewangan

10 (a) : Human Resource Management

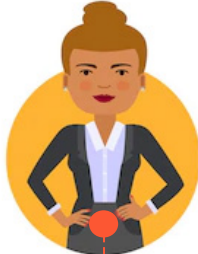


Pecahan Pegawai Mengikut Jantina / Breakdown of Officers By Gender

Pecahan Perjawatan / Breakdown of Position



Lelaki / Male
809



Perempuan / Female
642

1,130

Pegawai Penguatkuasa / Enforcement Officer

409

Pegawai Gunasama / Administrative Officer

Perbelanjaan Pembangunan JAS 2021
Development Expenditure of DOE in 2021

PERUNTUKAN 2021 /
BUDGET ALLOCATION IN 2021

RM78,826,496.00



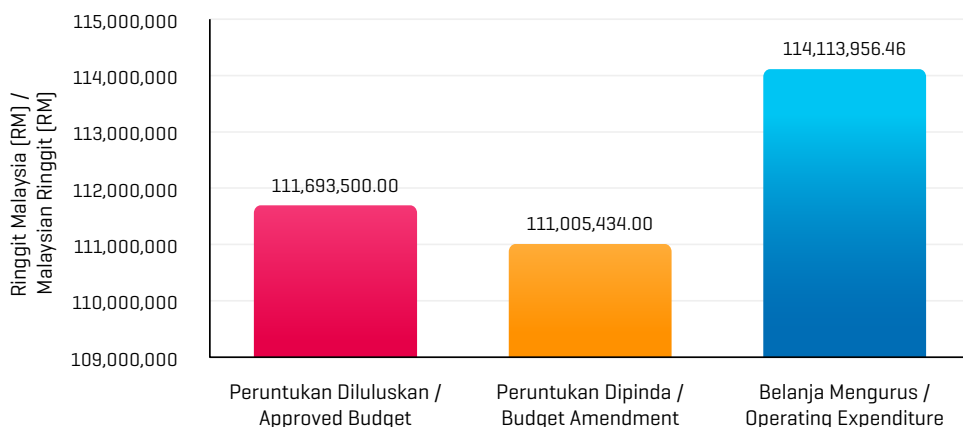
PERBELANJAAN 2021 /
EXPENDITURE IN 2021

RM78,088,121.39

10 (b) : Pengurusan Kewangan [Mengurus]**10 (b) : Financial Management**

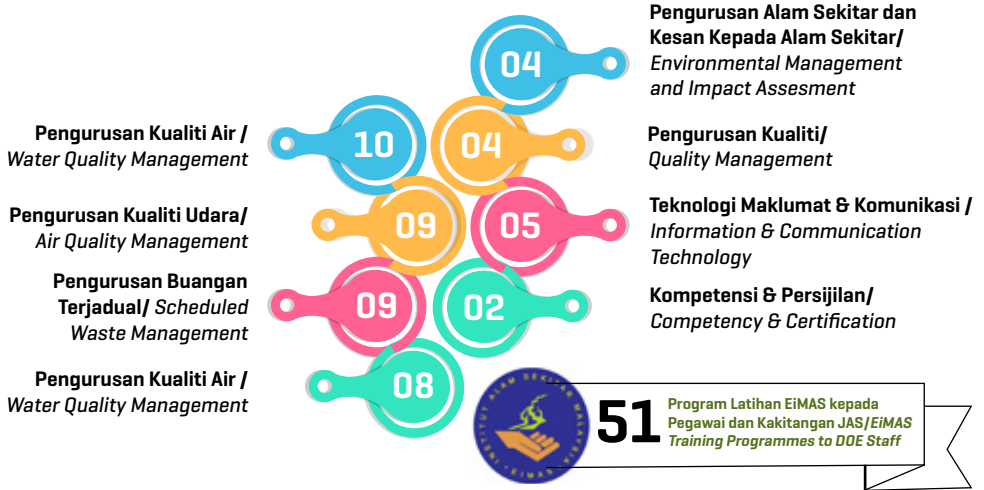
Anggaran Belanja Mengurus 2021 / Estimated for Management Expenditure 2021

OBJEK AM / GENERAL OBJECT	PERIHAL OBJEK AM / DESCRIPTION OF GENERAL OBJECT	PERUNTUKAN DILULUSKAN (RM) / ALLOCATION APPROVED (RM)	PERUNTUKAN DIPINDA (RM) / ALLOCATION AMENDMENT (RM)
10000	Emolumen / Emolument	88,976,500.00	89,373,551.00
20000	Perkhidmatan dan Bekalan / Services and Supplies	22,137,000.00	21,062,592.00
30000	Aset / Assets	210,000.00	200,951.00
40000	Pemberian dan Kenaan Bayaran Tetap / Grants and Fixed Charges	370,000.00	368,340.00
JUMLAH KESELURUHAN / TOTAL		111,693,500.00	111,005,434.00

10 (c) : Perbelanjaan Mengurus 2021**10 (c) : Operating Expenditure 2021**

10 (d) : Program Latihan EIMAS kepada Pegawai dan Kakitangan JAS 2021

10 (d) : EiMAS Training Programmes for DOE Staff 2021



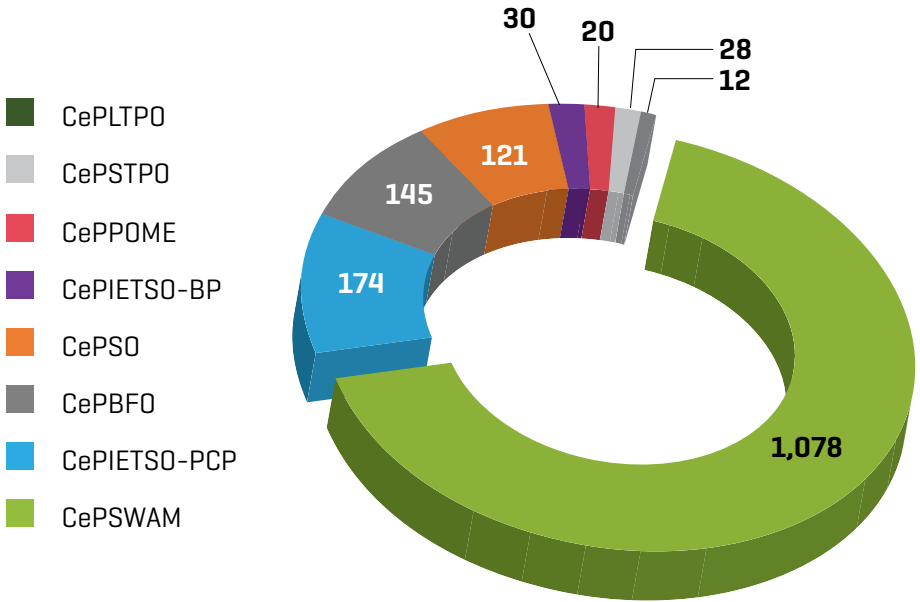
10 (e) : Bilangan Peserta JAS mengikut Kategori Kursus

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



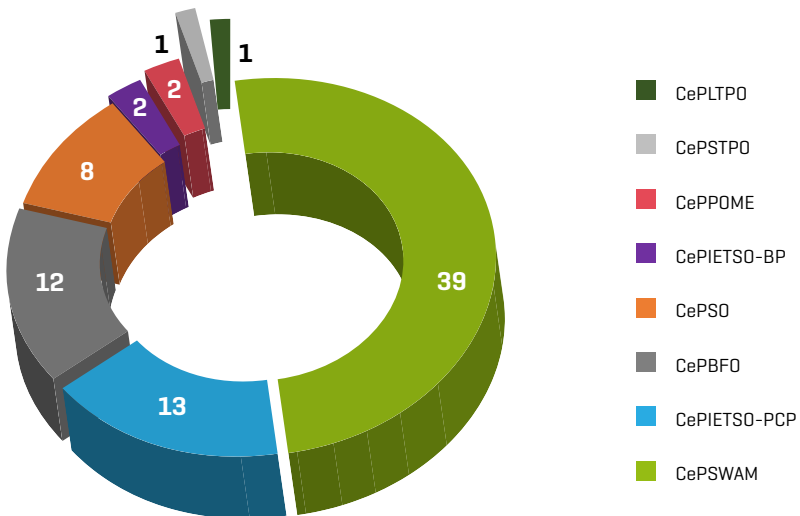
10 (f) : Pegawai Industri Dilatih mengikut Kursus Kompetensi, 2021

10 (f) : Number of Industry Personnel Trained According to Types of Competency Courses, 2021



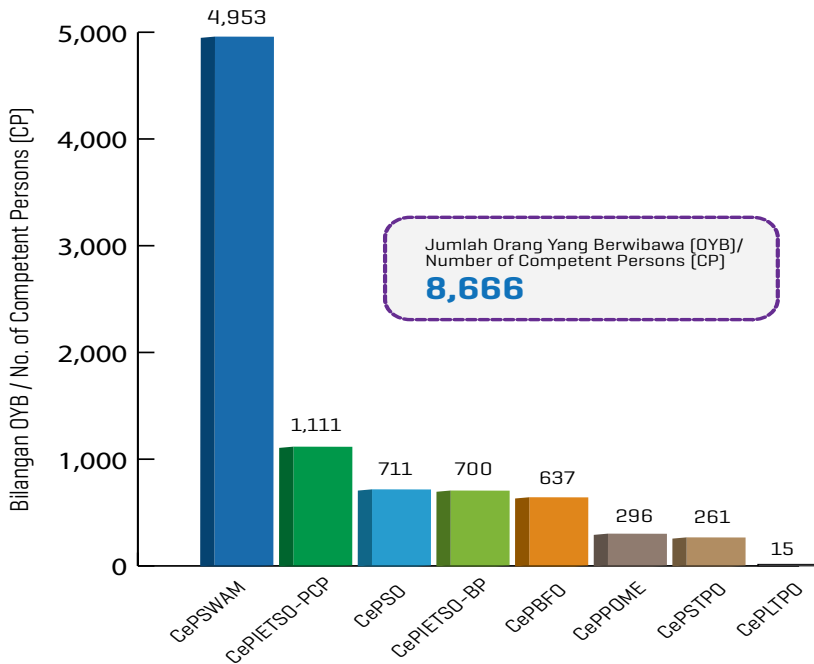
10 (g) : Bilangan Kursus Pensijilan Industri yang Dianjurkan, 2021

10 (g) : Number of Industry Certification Courses Conducted, 2021



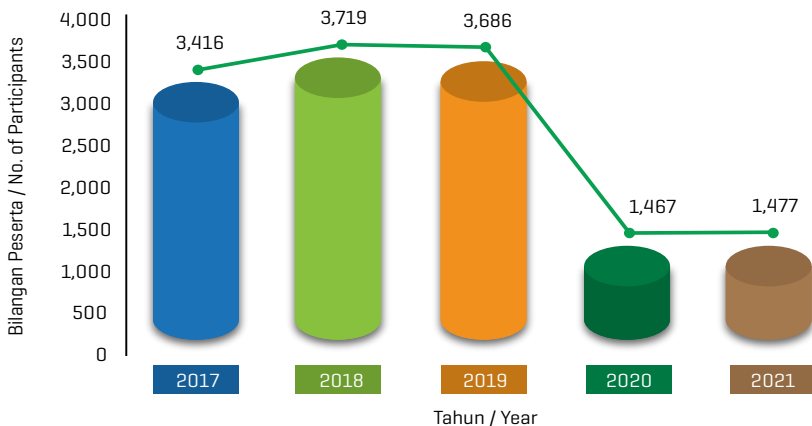
10 (h) : Bilangan Orang yang Berwibawa (OYB) Pegawai Industri di Malaysia mengikut Jenis Pensijilan pada 31 Disember 2021

10 (h) : Number of Competent Persons of Industry Personnel in Malaysia According to Type of Certification as at 31st December 2021

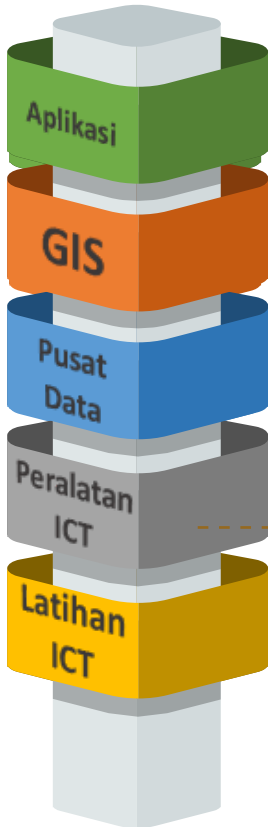


10 (i) : Bilangan Kehadiran Peserta Kursus Pegawai Industri bagi 5 Tahun Terkini (2016 - 2020)

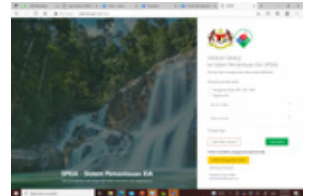
10 (i) : Attendance of Industry Personnel as Course Participants for the Last 5 Year (2016 - 2020)



Pencapaian Projek ICT



Migrasi & FAT Aplikasi



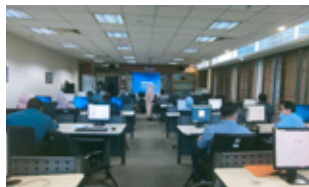
Penambahbaikkan Aplikasi



Naiktaraf server Virtual



Perolehan Netapp Storage



Latihan GIS



Latihan Aplikasi/Teknikal IT

Pencapaian Projek ICT



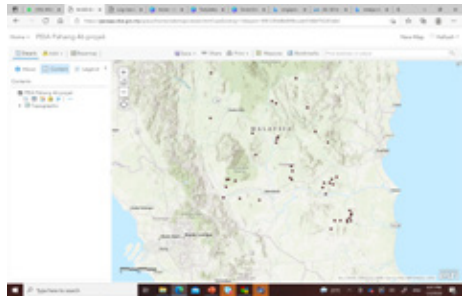
Portal JAS



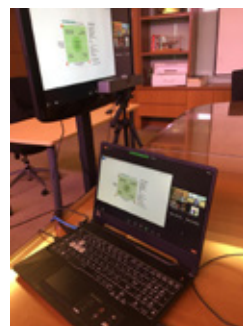
BDA



Perolehan Dron



Naiktaraf ArcGIS



Perolehan Peralatan ICT JAS HQ/Negeri

ARKITEKTUR BISNES JAS DOE BUSINESS ARCHITECTURE

MEDIUM PERKHIDMATAN / SERVICE MEDIUM

Aplikasi Mobil
Mobile Application

Aplikasi Atas Talian
On-Line Application

Portal
Portal

Emel
Email

Media Sosial
Social Media

PENGGUNA PERKHIDMATAN / USER

Dalamn / *Internal*

- JAS HQ / Negeri / Cawangan
JAS HQ / State / Branch
- KASA / Agensi Kerajaan Lain
KASA / Other Government Agencies

Luaran / *External*

- Premis / *Industry*
- Perunding / Juruaudit
Consultants / Auditors
- Pemaju / *Developers*
- Jururunding / *Developers*
- Rakan Alam Sekitar
Friends of Environment

PERKHIDMATAN UTAMA / MAIN SERVICES

Penilaian *Assessment*

- Penilaian Kesan Alam Sekeliling (EIA)
Environmental Impact Assessment (EIA)
- Input Pembangunan
Development Input
- Kebenaran Bertulis
Written Approval

Pengawasan *Monitoring*

- Pengawasan Kualiti Udara
Air Quality Monitoring
- Pengawasan Kualiti Air Marin
Marine Water Quality Monitoring
- Pengawasan Kualiti Air Sungai
River Water Quality Monitoring
- Pengawasan Kualiti Air Tanah
Groundwater Quality Monitoring
- Pengurusan Buangan Terjadual & Tanah Tercemar
Scheduled Waste Management & Contaminated Soil

Penguatkuasaan *Enforcement*

- Kawalan Premis Yang Ditetapkan
Control of Prescribed Premises
- Kawalan Premis Yang Bukan Ditetapkan
Control of Non-Prescribed Premises
- Maklumbalas Pengaduan Awam
Public Complaint Feedback
- Tindakan Undang-Undang
Legal Action
- Industri Hijau
Green Industry

Komunikasi Strategik *Strategic Communication*

- Promosi Pendidikan & Kesedaran Alam Sekitar kepada Industri
Promotion of Environmental Education & Awareness to Industries
- Promosi Pendidikan & Kesedaran Alam Sekitar kepada Pelajar & Orang Awam
Promotion of Environmental Education & Awareness to Students & Public
- Perhubungan Badan dan Agensi Luar Negara
Foreign Relations

Kompetensi *Competencies*

- Pelaksanaan Program Latihan / Persijilan JAS
DOE Training / Certification Program
- Pelaksanaan Program Latihan / Persijilan Industri
Industrial Training / Certification Program

PERKHIDMATAN SOKONGAN / SUPPORT SERVICES

Pentadbiran & Kewangan
Financial Administration

- Pengurusan Sumber Manusia
Human Resource Management
- Pengurusan Kewangan & Akaun
Financial Management & Account
- Pengurusan Aset & Stor
Asset & Store Management
- Pentadbiran
Administration

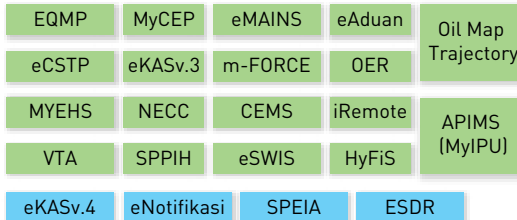
Teknologi Maklumat
Information Technology

- Pengurusan Infrastruktur Rangkaian dan Pusat Data
Network Infrastructure and Data Center Management
- Pembangunan & Penyelenggaraan Maklumat Spasial
Development & Maintenance of Spatial Information
- Pembangunan & Penyelenggaraan Aplikasi
Application Development & Maintenance
- Pengurusan Dasar & Latihan ICT
ICT Policy Management & Training

SISTEM APLIKASI YANG MENYOKONG PERKHIDMATAN / FUNGSI
APPLICATION SYSTEM

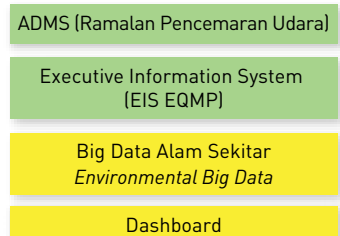
Operasi
Operation

23



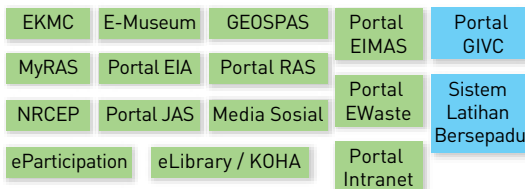
Eksekutif
Executive

4



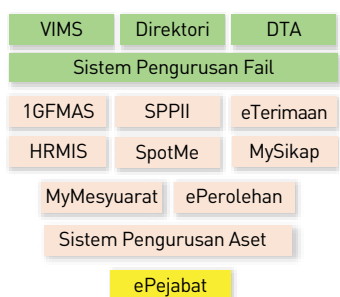
Pembangunan
Development

17



Pentadbiran
Administration

17



Petunjuk :
Legend :

Digunakan
Used

Dalam Pembangunan
In Development

To Be

Sistem Agensi Pusat
Central Agency System

DATA / DATA

Luaran / External

- Hidrologi (JPS)
Hydrology (JPS)
- Hotspot (ASMC)
Hotspot (ASMC)
- Lot, Topografi (JUPEM)
Lot, Topography (JUPEM)
- Cuaca (MET)
Weather (MET)
- Gunatanah (Plan)
Land Use (PLAN)
- Fasiliti (MACGDI)
Facilities (MACGDI)
- Media Sosial
Social Media

Dalamian / Internal

- Pengawasan
Superviso
- Pemeriksaan
Inspection
- Tindakan
Action
- Pelesenan
License
- Aduan
Complaint
- RAS
RAS
- Spatial
Spatial
- EIA
EIA
- IPU
IPU
- KPI
KPI
- Effluent
Effluent
- Audit
Audit
- Waste
Waste
- Hotspot
Hotspot
- Jururunding
Consultant
- Tumpahan Minyak
Oil Spill
- Juruteknik Servis
Service Technician
- Penguatkuasaan
Enforcement
- SIMPAS (Maklumat Premis)
SIMPAS (Premise Info)
- Pelepasan Bahan Cemar Udara (CEMS)
Emissions of Air Pollutants (CEMS)

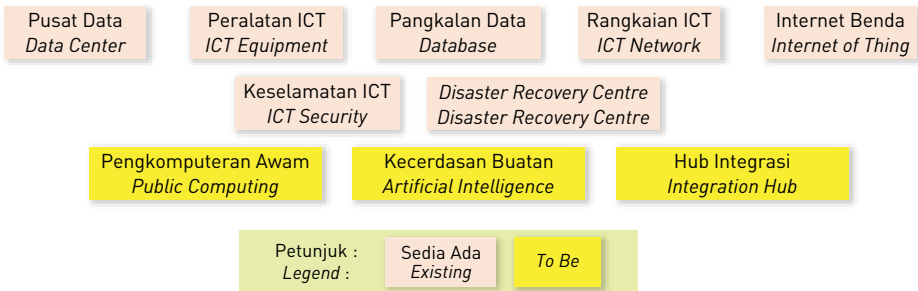
AGENSI LUAR YANG BERHUBUNG DENGAN JAS EXTERNAL AGENCIES RELATED TO JAS

- Industri
Industry
- Jururunding
Consultant
- NGO
NGO
- IPTA/ IPTS
IPTA/ IPTS
- Rakan Strategik
Strategic Partner
- Juruaudit
Auditor
- Badan Kerajaan
Government
- Orang Awam
Public
- Pemaju Projek
Project Developer

BAHAGIAN / CAWANGAN YANG DIKAWALSELIA REGULATED DIVISIONS / BRANCHES

- Udara
Air
- EIMAS
EIMAS
- Air & Marin
Water & Marine
- Bahan Berbahaya
Hazardous Materials
- Pentadbiran & Kewangan
Administration & Finance
- ICT
ICT
- Penilaian
Assessment
- Penguatkuasaan
Enforcement
- Komunikasi Strategik
Strategic Communication

TEKNOLOGI / Technology



11 (a) : Senarai Sistem Aplikasi dan Laman JAS
11 (a) : List of JAS Application Systems and Portal

BIL / NO.	SISTEM DAN LAMAN / SYSTEM AND PORTAL	STATUS / STATUS
1	Sistem Elektronik Kawalan Alam Sekitar [eKAS]	Sedang digunakan / Live and running
2	Sistem Electronic Scheduled Waste Information System [eSWIS]	Sedang digunakan / Live and running
3	Sistem Continuous Emissions Monitoring System [CEMS]	Sedang digunakan / Live and running
4	Sistem Integrated Remote Monitoring System [iRemote]	Sedang digunakan / Live and running
5	Sistem Environmental Quality Monitoring Programme [EQMP]	Sedang digunakan / Live and running
6	Sistem APIMS / MYIPU	Sedang digunakan / Live and running
7	Sistem Electronic Certification Service Technician Programme [eCSTP]	Sedang digunakan / Live and running
8	Sistem Environmental Mainstreaming Tools System [EMAINS]	Sedang digunakan / Live and running
9	Sistem Online Environmental Reporting [OER]	Sedang digunakan / Live and running
10	Sistem Pengurusan dan Pemantauan Industri Hijau [SPIIH]	Sedang digunakan / Live and running
11	Sistem eAduan [eAduan]	Sedang digunakan / Live and running
12	Sistem Vehicle Type Approval [VTA]	Sedang digunakan / Live and running
13	Sistem Certification Enviromental Practitioner [myCEP]	Sedang digunakan / Live and running
14	Sistem National Registry of Certified Environmental Professionals [NRCEP]	Sedang digunakan / Live and running
15	M-FORCE	Sedang digunakan / Live and running
16	Sistem Oil Spill Trajectory	Sedang digunakan / Live and running
17	Sistem Hydrocarbon Fingerprinting [HyFis]	Sedang digunakan / Live and running
18	Sistem SPOT-ME	Sedang digunakan / Live and running
19	Sistem Geospatial Alam Sekitar [GeoSpAS]	Sedang digunakan / Live and running

11 (a) : Senarai Sistem Aplikasi dan Laman JAS

11 (a) : List of JAS Application Systems and Portal

BIL / NO.	SISTEM DAN LAMAN / SYSTEM AND PORTAL	STATUS / STATUS
20	Sistem Rakan Alam Sekitar [MyRAS]	Sedang digunakan / Live and running
21	Sistem Kehadiran Pejabat [DTA]	Sedang digunakan / Live and running
22	Sistem Pengurusan Pelawat [VIMS]	Sedang digunakan / Live and running
23	Sistem National Environmental Command Centre [NECC]	Sedang digunakan / Live and running
24	Sistem Environmental Hazardous Substances Information System [MyEHS]	Sedang digunakan / Live and running
25	Sistem Notifikasi Udara [eNotifikasi]	Dalam Pembangunan / In development
26	Sistem Environmental Spatial Data Repository [ESDR]	Digunakan April 2022 / Go Live April 2022
27	Sistem Pemantauan EIA [SPEIA]	Digunakan April 2022 / Go Live April 2023
28	Sistem Latihan Bersepadu [SLB]	Digunakan Jun 2022 / Go Live June 2024
29	Sistem ePejabat	Digunakan Mac 2022 / Go Live March 2025
30	Sistem Organizational Anti-Corruption Plan [OACP]	Digunakan April 2022 / Go Live April 2023
31	Smart Enviro [Analitik Data Raya JAS]	Dalam Pembangunan / In development
32	Portal Rasmi JAS	Sedang digunakan / Live and running
33	Sub-laman Web Intranet	Sedang digunakan / Live and running
34	Sub-laman Web EiMAS	Sedang digunakan / Live and running
35	Sub-laman Web RAS	Sedang digunakan / Live and running
36	Sub-laman Web Household eWaste	Sedang digunakan / Live and running
37	Sub-laman Web Cleaner Production Virtual Centre [CPVC]	Sedang digunakan / Live and running



JABATAN ALAM SEKITAR

Kementerian Alam Sekitar dan Air

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