

**2015**  
**LAPORAN TAHUNAN**  
**ANNUAL REPORT**

## **Department of Environment, Malaysia**

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## SINGKATAN ABBREVIATIONS

Bank Pembangunan Asia	ADB	Asian Development Bank
Tahun Alam Sekitar ASEAN	AEY	ASEAN Environment Year
Akta Kualiti Alam Sekeliling	AKAS	Environmental Quality Act
Mesyuarat Menteri-Menteri ASEAN Mengenai Alam Sekitar	AMME	ASEAN Ministerial Meeting on the Environment
Pertubuhan Negara-Negara Asia Tenggara	ASEAN	Association of South East Asian Nations
Pegawai Kanan Alam Sekitar ASEAN	ASOEN	ASEAN Senior Officials on the Environment
Area Watch and Sanction Inspection	AWASI	Area Watch and Sanction Inspection
Buangan Terjadual	BT	Scheduled Wastes
Brunei–Indonesia–Malaysia–Filipina	BIMP	Brunei–Indonesia–Malaysia–Philippines
Keperluan Oksigen Biokimia	BOD	Biochemical Oxygen Demand
Bahan Pemusnah Ozon	BPO	Ozone Depleting Substances
Udara Bersih	CA	Clean Air
Pusat bagi Alam Sekitar, Teknologi dan Pembangunan Malaysia	CETDEM	Centre For Environmental, Technology and Development Malaysia
Kloroflourokarbon	CFC	Chlorofluorocarbon
Majlis Industri Kimia Malaysia	CICM	Chemical Industries Council of Malaysia
Pusat Pengurusan Pantai	CMC	Coastal Management Centre
Badan Penyelaras Mengenai Laut Asia Timur	COBSEA	Co-ordinating Body for the Seas of East Asia
Keperluan Oksigen Kimia	COD	Chemical Oxygen Demand
Kelapa Sawit Mentah	CPO	Crude Plam Oil
Desibel	DB	Decibel (s)
Jabatan Alam Sekitar	DOE	Department of Environment
Sistem Pengurusan Dokumen	DOKUMAS	Document Managment System
Kawasan Pertumbuhan ASEAN Timur	EAGA	East ASEAN Growth Area
Escherichia coli	E. COLI	Escherichia coli
Zon Ekonomi Eksklusif	EEZ	Exclusive Economic Zone
Penilaian Kesan Kepada Alam Sekeliling	EIA	Environmental Impact Assessment
Persatuan Perlindungan Alam Sekitar Malaysia	EPSM	Environment Protection Society of Malaysia
Unit Perancang Ekonomi	EPU	Economic Planning Unit
Majlis Kualiti Alam Sekeliling	EQC	Environmental Quality Council
Laporan Kualiti Alam Sekeliling	EQR	Environmental Quality Report
Pesuruhjaya Ekonomi & Sosial Asia Pasifik	ESCAP	Economic & Social Commission for Asia and the Pacific
Institut Alam Sekitar Malaysia	EIMAS	Environment Institute of Malaysia
Ahli Mesyuarat Kerajaan Negeri	EXCO	Executive Councillors
Persatuan Pekilang-Pekilang Malaysia	FMM	Federation of Malaysian Manufacturers
Persatuan Pertubuhan Penguna-Pengguna Malaysia	FOMCA	Federation of Malaysian Consumer's Association
Institut Penyelidikan Hutan Malaysia	FRIM	Forest Research Institute of Malaysia
Gabungan Persatuan-Persatuan Perdagangan Getah Malaysia	FRTM	Federation of Rubber Trade Association of Malaysia
Kemudahan Alam Sekitar Global	GEF	Global Environment Facility

## SINGKATAN ABBREVIATIONS

Sistem Maklumat Geografik	GIS	Geographical Information System
Hidro Klorofluorokarbon	HCFC	Hydro Chlorofluorocarbon
Pengurusan Zon Pantai Bersepadu	ICZM	Integrated Coastal Zone Management
Unit Asap Hartridge	HSU	Hartridge Smoke Unit
Institut Diplomasi & Hal Ehwal Luar	IDHL	Institute of Diplomacy & Foreign Relations
Indeks Kualiti Air Negara	IKAN	National Water Quality Index
Organisasi Maritim Antarabangsa	IMO	International Maritime Organisation
Sistem Rujukan Antarabangsa Untuk Suer-Sumber Maklumat Mengenai Alam Sekitar	INFOTERRA	International Referral System for Sources of Environmental Information
Institut Tadbiran Awam Negara	INTAN	National Institute of Public Administration
Program Antarabangsa mengenai Keselamatan Bahan Kimia	IPCS	International Programme on Chemical Safety
Pendaftaran Antarabangsa bagi Bahan Kimia yang Berpotensi Berbahaya	IRPTC	International Register of Potentially Toxic Chemicals
Institut Kajian Strategik dan Antarabangsa	ISIS	Institute of Strategic and International Studies
Agensi Kerjasama Antarabangsa Jepun	JICA	Japan International Co-operation Agency
Jabatan Perkhidmatan Awam	JPA	Public Service Department
Jabatan Pengairan dan Saliran Malaysia	JPS	Department of Irrigation and Drainage Malaysia
Kementerian Sains, Teknologi & Inovasi	MOSTI	Ministry of Science, Technology and Innovation
Kumbahan & Effluen-Effluen Perindustrian	KEEP	Sewage & Industrial Effluents
Kilang Kelapa Sawit Mentah	KKSM	Crude Palm Oil Mill
Penyaman Udara Kenderaan	MAC	Mobile Air Conditioning
Pusat Remote Sensing Malaysia	MACRES	Malaysian Remote Sensing Agency
Minggu Alam Sekitar Malaysia	MASM	Malaysia Environment Week
Menteri dan Ahli Majlis Mesyuarat Kerajaan Negeri yang Bertanggungjawab ke atas Alam Sekitar	MEXCOE	Ministers and State Executive Councillors Responsible for Environmental Matters
Dewan Perdagangan dan Industri Antarabangsa Malaysia	MICCI	Malaysian International Chamber of Commerce and Industry
Institut Penyelidikan Ekonomi Malaysia	MICCI	Malaysian Institute of Economic Research
Institut Teknologi Nuklear Malaysia	MINT	Malaysia Institute of Nuclear Technology
Persatuan Pemasang Kenderaan Bermotor Malaysia	MMVAA	Malaysian Motor Vehicle Assemblers' Association
Persatuan Pencinta Alam Malaysia	MNS	Malaysian Nature Society
Kementerian Perdagangan Antarabangsa Dan Industri	MITI	Ministry of International Trade and Industry
Pertubuhan Kelapa Sawit Malaysia	MPOA	Malaysian Palm Oil Association
Kementerian Pertanian	MOA	Ministry of Agriculture
Kementerian Kesihatan	MOH	Ministry of Health
Kementerian Pembangunan Sumber Manusia	MOHR	Ministry of Human Resources
Kementerian Pengangkutan	MOT	Ministry of Transport
Memorandum Persefahaman	MOU	Memorandum of Understanding
Majlis Pengeluar-Pengeluar Getah Malaysia	MRPC	Malaysia Rubber Products Manufacturers' Council

## SINGKATAN ABBREVIATIONS

Jawatankuasa Bersama Malaysia-Singapura Mengenai Alam Sekitar	<b>MSJCE</b>	Malaysia – Singapore Joint Committee on the Environment
Pertubuhan Bukan Kerajaan	<b>NGO</b>	Non-Governmental Organisation
Kementerian Sumber Asli Dan Alam Sekitar	<b>NRE</b>	Ministry of Natural Resources and Environment
Amoniakal Nitrogen	<b>NH<sub>3</sub>N</b>	Ammoniacal Nitrogen
Pertubuhan Kerjasama Ekonomi dan Pembangunan	<b>OECD</b>	Organisation for Economic Co-operation and Development
Pertubuhan Kerjasama Alam Sekitar bagi Laut Asia Timur	<b>PEMSEA</b>	Partnership in Environmental Management for the Seas of East Asia
Kebenaran Maklumat Awal	<b>PIC</b>	Prior Informed Consent
Persatuan Pekilang-Pekilang Minyak Kelapa Sawit Malaysia	<b>POMA</b>	Palm Oil Millers' Association
Institut Penyelidikan Minyak Kelapa Sawit	<b>PORIM</b>	Palm Oil Research Institute of Malaysia
Ringgit Malaysia	<b>RM</b>	Ringgit Malaysia
Institut Penyelidikan Getah Malaysia	<b>RRIM</b>	Rubber Research Institute of Malaysia
Urusetia Konvensyen BASEL	<b>SBC</b>	Secretariat for BASEL Convention
Agensi Pembangunan Antarabangsa Sweden	<b>SIDA</b>	Swedish International Development Agency
Institut Standard dan Penyelidikan Industri Malaysia	<b>SIRIM</b>	Standards Industrial Research Institute of Malaysia
Udara Bersih	<b>UB</b>	Clean Air
Universiti Islam Antarabangsa	<b>UIA</b>	International Islamic University
Universiti Kebangsaan Malaysia	<b>UKM</b>	National University of Malaysia
Universiti Malaya	<b>UM</b>	University of Malaya
Persidangan Bangsa-Bangsa Bersatu Mengenai Alam Sekitar dan Pembangunan	<b>UNCED</b>	United Nations Conference on Environment and Development
Program Pembangunan Bangsa-Bangsa Bersatu	<b>UNPD</b>	United Nations Development Programme
Program Alam Sekitar Bangsa-Bangsa Bersatu	<b>UNEP</b>	United Nations Environment Programme
Universiti Tenaga Malaysia	<b>UNITEN</b>	University of Tenaga Malaysia
Unit Perancang Ekonomi	<b>UPE</b>	Economic Planning Unit
Universiti Putra Malaysia	<b>UPM</b>	University of Putra Malaysia
Universiti Sains Malaysia	<b>USM</b>	University of Science Malaysia
Yang Berhormat	<b>Y.B.</b>	The Honourable
Polis Diraja Malaysia	<b>PDRM</b>	Royal Malaysian Police
Kandungan Organik Meruap	<b>VOCs</b>	Volatile Organic Compounds
Wilayah Kualiti Air	<b>WQR</b>	Water Quality Region

# PRAKATA

## Foreword



Jabatan Alam Sekitar dengan sukacitanya membentangkan Laporan Tahunan 2015 yang merangkumi pencapaian dan pelaksanaan program pada tahun tersebut.

Selari dengan visi Jabatan ini, “Pemuliharaan Alam Sekitar Untuk Kesejahteraan Rakyat” dan misi “Memastikan Pembangunan Lestari di dalam Proses Memajukan Negara”, JAS meneruskan mandat yang diberi untuk mentadbir Akta Kualiti Alam Sekeliling, 1974.

Penekanan yang berterusan diberi dalam mencegah dan mengawal pencemaran air, pencemaran udara dan pengurusan buangan terjadual. Pemeriksaan ke atas punca – punca pencemaran telah dipertingkatkan dan dimantapkan. Pencemar – pencemar juga telah dikenakan tindakan undang-undang yang tegas.

Penilaian Kesan Kepada Alam Sekeliling (EIA) masih menjadi strategi asas pencegahan yang dikuatkuasakan oleh Jabatan ini bagi mengurangkan kesan kepada alam sekeliling dari projek pembangunan. Sejumlah 239 laporan telah diterima dan diproses oleh Jabatan Alam Sekitar pada tahun 2019. Daripada bilangan ini, sebanyak 220 laporan EIA telah diproses mengikut prosedur EIA Awal dan 19 laporan EIA lagi diproses melalui Prosedur EIA Terperinci.

JAS juga turut melaksanakan program-program dan aktiviti-aktiviti kesedaran dan pendidikan alam sekitar serta penyebaran maklumat untuk pelbagai peringkat masyarakat sebagai usaha berterusan dan bersama dalam membangunkan masyarakat yang penyayang dan mesra alam di Negara ini. Perlindungan alam sekitar melalui amalan – amalan mesra alam seharusnya menjadi

The Department of Environment gladly presents the 2015 Annual Report which provides an account of its achievements and program implementations in that year.

In line with the department’s vision, ‘Environmental Conservation for the Well-being of the People and mission ‘To Ensure Sustainable Development in the Process of Nation Building’, DOE continues its mandate to administer the Environmental Quality Act (EQA), 1974.

Continued emphasis is given to the prevention and controlling water pollution, air pollution and scheduled waste management. Inspections on polluting sources have been intensified and improved. Strict legal actions also were taken against perpetrators.

Environmental Impact Assessment (EIA) continued to be the main preventive strategy enforced by the DOE to mitigate all environmental impacts from development projects. A total of 231 reports were received and processed by the Department of Environment in 2014. Of these, 217 EIA reports were processed through Preliminary EIA procedure while another 14 EIA Reports were processed through Detailed EIA procedure.

DOE continued to implement its awareness and environmental education programmes and activities as well as disseminate information to various levels of the society as an effort and long term measure towards building a caring and environmentally friendly society in the country. Protecting environment by adopting environmental friendly practices should be part and parcel of our daily activities.

sebahagian aktiviti seharian kita.

Saya ingin mengambil kesempatan ini untuk merakamkan penghargaan kepada semua pihak yang telah memberikan sokongan dan komitmen mereka kepada Jabatan Alam Sekitar dalam melaksanakan tugas murni untuk alam sekitar yang lestari, sihat dan kualiti hidup yang lebih baik.

Alam Sekitar, Tanggungjawab Bersama

I would like to take this opportunity to record my appreciations to everyone who has given invaluable support and commitment to the Department of Environment in carrying out its duties for a sustainable, healthy and an enhanced quality of life.

Environment, Our Shared Responsibility.



**Dato' Dr. Ahmad Kamarulnajib Bin Che Ibrahim**

Ketua Pengarah Alam Sekitar Malaysia  
*Director-General of Environmental Quality Malaysia*