BAB 8 / CHAPTER 8

INSTITUT ALAM SEKITAR MALAYSIA (EiMAS)
ENVIRONMENT INSTITUTE OF MALAYSIA (EiMAS)

Program Latihan EiMAS

Pada tahun 2009, EiMAS telah berjaya melatih seramai 2,348 peserta melalui 109 kursus yang disediakan (**Jadual 8.1**). Daripada 2,348 peserta yang menyertai program latihan tersebut, 1,320 orang (56%) terdiri dari kakitangan Jabatan Alam Sekitar (JAS), manakala selebihnya adalah peserta dari luar jabatan seperti agensi-agensi lain dan pihak swasta. Program latihan ini bertujuan untuk meningkatkan kecekapan dan kompetensi di kalangan semua peserta.

Program Latihan untuk Industri

Pada tahun 2009, EiMAS meneruskan usaha menganjurkan program-program latihan untuk industri, bagi meningkatkan kefahaman dan pengetahuan mereka dalam mencapai pematuhan terhadap kehendak alam sekitar.

Kursus Pensijilan

Pada tahun 2009, 20 Kursus Pensijilan untuk pihak industri telah berjaya dilaksanakan iaitu Kursus Pensijilan Untuk Pengurusan Buangan Terjadual (10), Kursus Pensijilan Bagi Operator Alat Kawalan Pencemaran Udara (Penapis Beg dan *Scrubber*) masing-masing 3 dan 1 serta Kursus Pensijilan Bagi Operator Sistem Pengolahan Efluen Industri (6). Sebanyak 20 siri peperiksaan bagi kursus pensijilan tersebut juga telah dilaksanakan pada tahun 2009.

Program Sangkutan

EiMAS telah menguruskan beberapa program sangkutan bagi kakitangan JAS di beberapa organisasi swasta di dalam negara dan satu program di luar negara.

Program ini bertujuan untuk menyediakan latihan 'hands-on' kepada kakitangan JAS bagi membolehkan mereka menjadi jurulatih yang kompeten dalam bidang masing-masing. Seramai 37 pegawai telah mengikuti program sangkutan di empat

EiMAS Training Programme

In 2009 EiMAS had successfully executed 109 training courses for a total of 2,348 participants (**Table 8.1**). Out of the 2,348 participants, 1,320 (56%) were from the Department of Environment (DOE) while the rest were external participants from the government agencies and private sectors. These training programmes were aimed to enhance the efficiency and competency of the participants.

Training Programmes for Industries

In 2009, EiMAS continued to provide training programmes for industries in order to upgrade their understanding and knowledge towards compliance to environmental requirements.

Certification Courses

In 2009, 20 Certification Courses were conducted for the industries namely, Certification Course for Scheduled Waste Managers (10), Certification Course for Operators of Air Pollution Control Equipment (Bag Filter and Scrubber) (3) and (1) and Certification Course for Operators of Industrial Effluent Treatment Systems (IETS) (6). Examination for these certification courses were conducted 20 times during year 2009.

Attachment Programmes

Attachment programmes for DOE officers were held at various local private organisations as well as with a government agency abroad.

The objectives of this programme were to provide 'hands-on' training for DOE staff to enable them to become competent trainers in their respective fields. A total of 37 officers attended this attachment programme at four (4) industrial premises in Malaysia

(4) premis kilang di dalam negara (**Jadual 8.2**) dan enam (6) pegawai mengikuti program sangkutan di luar negara pada tahun 2009 (**Jadual 8.3**).

Latihan Di Dalam dan Luar Negara

Selain daripada mengendalikan program sangkutan, EiMAS juga bertanggungjawab menguruskan kehadiran pegawai dan kakitangan JAS untuk mengikuti kursus di dalam dan luar negara yang tempohnya kurang daripada tiga (3) bulan.

Sepanjang tahun 2009, seramai 52 pegawai JAS telah menghadiri 13 kursus di dalam negara (**Jadual 8.4**) dan 23 pencalonan bagi menghadiri 13 program latihan di luar negara (**Jadual 8.5**).

Program Kerjasama

Dalam memenuhi keperluan menyediakan latihan yang terbaik untuk kakitangan JAS, dan juga memantapkan keupayaan tenaga pengajar EiMAS, EiMAS juga telah menjalinkan kerjasama dengan agensi kerajaan, badan-badan berkanun dan sektor swasta. Ini terdiri dari premis industri/pemaju projek yang menerima peserta daripada EiMAS dan peserta luar negara di bawah kursus Program Kerjasama Teknikal Malaysia (PKTM) bagi program lawatan kerja mereka.

Program Kerjasama Teknikal Malaysia (PKTM): Kursus mengenai Pengurusan Alam Sekitar dan Kawalan Pencemaran

Selaku penyelaras kepada program PKTM, Unit Perancang Ekonomi telah meluluskan EiMAS sebagai agensi ke-35 bagi mengendalikan latihan untuk peserta antarabangsa di bawah PKTM. Kursus Pengurusan Alam Sekitar dan Kawalan Pencemaran (EMPC) yang dianjurkan di bawah Program berkenaan dibuka kepada negara-negara *Organization of the Islamic Conference* (OIC) dan Asia-Pasifik. Pemilihan para peserta adalah berdasarkan kepada relevansi tugas, kelayakan akademik dan peruntukan kewangan.

Kursus EMPC yang berlangsung pada 27 Julai sehingga 14 Ogos 2009 telah dihadiri oleh 17 orang peserta daripada Bhutan, Cambodia, Egypt, Indonesia,

(**Table 8.2**) and six (6) officers attended the oversea attachment programme (**Table 8.3**) in 2009.

Local and Overseas Training Courses

Besides conducting internal training programmes, EiMAS was also responsible in making arrangements for DOE officers and staff for local and overseas training of less than three (3) months.

Throughout 2009, 52 officers attend of 13 courses/ seminars that were held locally (**Table 8.4**) and 23 nominations for 13 programmes outside Malaysia (**Table 8.5**).

Collaboration Programmes

In fulfilling the need to provide the best training for DOE personnel as well as to enhance the capacity of EiMAS trainers, EiMAS had established collaborative programmes with a number of government agencies, statutory bodies and the private sector. These included a number of industries/project developers who had accepted participants from EiMAS and foreign participants under the Malaysian Technical Cooperation Programme (MTCP) for their study visits.

Malaysian Technical Cooperation Programme (MTCP): Course on Environmental Management and Pollution Control

As the coordinator for MTCP, The Economic Planning Unit (EPU), has given approval for EiMAS as the 35th agency to provide training for international participants under the MTCP. The course on Environmental Management and Pollution Control (EMPC) under the said Programme is open to Organization of the Islamic Conference (OIC) member countries as well as the Asia-Pacific countries. Selection of participants was based on job relevancy, academic qualifications and budget availability.

The EMPC course held on 27 July to 14 August 2009 was attended by 17 participants from Bhutan, Cambodia, Egypt, Indonesia, Iraq, Kazakhstan, Lao

Iraq, Kazakhstan, Lao PDR, Nigeria, Singapura, Sudan, Tunisia, Yemen dan tiga orang peserta daripada Malaysia.

PDR, Nigeria, Singapore, Sudan, Tunisia and Yemen as well as three participants from Malaysia.

Objektif kursus PKTM ini adalah untuk menyediakan latihan dalam pelbagai aspek dan kaedah pengurusan kualiti udara; berkongsi amalan-amalan yang baik dalam pelaksanaan program-program kebangsaan dan antara agensi dalam pengurusan pencemaran pantai dan marin; berkongsi pengalaman dalam keperluan perundangan dan prosedur mengenai penilaian kesan kepada alam sekeliling (EIA) di Malaysia; dan memberi pendedahan, pengetahuan yang bersesuaian dan kemahiran mengenai punca-punca pencemaran buangan berbahaya dan pengurusan kawalannya.

The objectives of this MTCP Course were to provide training in the various aspects and methods for air quality management; to share good practices on the implementation of national and inter-agencies programmes involving coastal and marine pollution management; to share experiences on the legal and procedural requirements on environmental impact assessment (EIA) in Malaysia; and to give exposure, impart appropriate knowledge and develop skill on hazardous waste pollution sources and its control management.

Kursus ini telah berjaya menonjolkan pelbagai aspek perbezaan pengurusan alam sekitar yang diamalkan di Malaysia, dan hubungan rapat di antara agensi kerajaan dan swasta yang seterusnya membuktikan kejayaan konsep 'Persyarikatan Malaysia'.

This course succeeded in demonstrating the different aspects of environmental management in Malaysia, as well as the close partnership between Government agencies and the private sector, underlining the success of our 'Malaysian Incorporated' concept.

Program Latihan Negara Ketiga/ Program Kerjasama Teknikal Malaysia (PKTM): Kursus Mengenai Rawatan Sisa Air Buangan Dalam Industri Makanan Untuk Negara CLMV

Third Country Training Programme/ Malaysian Technical Cooperation Programme (MTCP) Course on Waste Water Treatment in Food Industry for CLMV Countries

Pada tahun 2009, EiMAS juga telah diberi tanggungjawab sebagai agensi penyelaras bagi kursus TCTP/ MTCP tajaan Unit Perancang Ekonomi dan *Japan International Cooperation Agency* (JICA). Kursus Mengenai Rawatan Sisa Air Buangan Dalam Industri Makanan ini, telah ditawar kepada negara Cambodia, Lao PDR, Myanmar dan Vietnam (CLMV). Pemilihan akhir peserta adalah berdasarkan kepada relevansi tugas, kelayakan akademik dan peruntukan kewangan.

In 2009, EiMAS was also tasked to be the Implementing Agency for the TCTP/ MTCP Course sponsored by Economic Planning Unit and Japan International Cooperation Agency (JICA). The Course on Industrial Wastewater Treatment from Food Industries was offered to Cambodia, Lao PDR, Myanmar dan Vietnam (CLMV). Final selection was made based on job relevancy, academic qualifications and budget availability.

Kursus yang berlangsung pada 9 hingga 20 November 2009 telah dihadiri oleh 16 orang peserta daripada negara CLMV serta (2) dua orang peserta daripada Malaysia.

The course held on 9 to 20 November 2009 was attended by 16 participants from CLMV countries as well as two (2) participants from Malaysia.

Objektif kursus ini diadakan adalah bagi memberi pemahaman tentang prinsip kawalan pencemaran dalam proses industri makanan, memperkenalkan pengawasan sistem pengolahan air sisa, menyediakan panduan dalam kawalan proses, dan memberikan pengetahuan dan kemahiran dalam teknik pemeriksaan yang berkaitan dengan sistem operasi pengolahan air sisa.

The objectives of the course were to provide an understanding on the principal of pollution control in food processing industries, to familiarize with performance monitoring of a wastewater treatment system, to provide guidance in process control, and to impart knowledge and skills on inspection techniques related to wastewater treatment system operation.

Kerjasama dengan Institut Latihan Kehakiman dan Perundangan

EiMAS meneruskan program kerjasama dengan ILKAP melalui empat (4) kursus bertajuk Kursus Asas Pendakwaan dan Tatacara Mahkamah (Siri 1 dan 2), Kursus Lanjutan Pendakwaan dan Kursus Teknik Pemeriksaan Saksi dan Penghujahan. Seramai 75 orang pegawai JAS telah menghadiri kursus-kursus berkenaan.

Dua (2) kursus baru telah dilaksanakan oleh Eimas khusus kepada pegawai pendakwa JAS iaitu Kursus Lanjutan Pendakwaan di ILKAP, Bangi serta Kursus Teknik Pemeriksaan Saksi dan Penghujahan di Institut Biodiversiti Negara, Kuala Gandah, Pahang.

EiMAS juga telah mengambil pendekatan baru untuk menyemarakkan cinta dan komitmen kepada alam sekitar dengan menerapkan aktiviti menghargai alam di dalam program kursusnya.

Kerjasama dengan Polis Di Raja Malaysia

Pada tahun 2009, EiMAS telah menganjurkan dua (2) kursus berkaitan Penyediaan dan Metodologi bagi Kertas Siasatan dengan kerjasama Polis Di Raja Malaysia untuk 52 orang pegawai penyiasat JAS. Kursus ini direkabentuk untuk memenuhi keperluan latihan kedua-dua pegawai pendakwa dan pegawai penyiasat JAS.

Collaboration with the Judicial and Legal Training Institute (ILKAP)

EiMAS continued its collaboration programmes with ILKAP by organising four (4) courses; Basic Course on Prosecution and Court Procedure (Series 1 and 2), Advanced Course On Prosecution and Course on Techniques on Submission and Examination of Witness. A total of 75 DOE's Officers attended these courses.

There were two (2) new courses conducted by EiMAS specifically for DOE's prosecution officers namely Advanced Course On Prosecution, ILKAP, Bangi and Course on Techniques on Submission and Examination of Witness, National Biodiversity Centre, Kuala Gandah, Pahang.

EiMAS has also adopted a new approach to nurture love and strengthen commitment for environment by infusing the element of nature appreciation in her courses.

Collaboration with the Malaysian Royal Police College

In 2009, EiMAS organized two (2) Courses on Preparation and Methodology of Investigation Papers in collaboration with the Malaysian Royal Police for 52 DOE's Investigating Officers. The courses were designed to meet the training needs of both DOE's Prosecution Officers and Investigation Officers.

Program Kerjasama Teknikal Malaysia / Malaysian Technical Cooperation Programme

Jadual 8.1 JAS : Program Latihan EiMAS, 2009
Table 8.1 DOE : EiMAS Training Programmes, 2009

Bil./ No.	Kategori Kursus / Course Category	Bil. Kursus Yang Disediakan / No. Of Courses Conducted	Peserta JAS / DOE Participants	Peserta Luar / External Participants	Tempoh (Hari)/ Duration (Days)
1.	Kursus Asas Teknikal Basic Technical Course	2	89	-	120
2.	Pengurusan Kualiti Quality Management	7	135	-	18
3.	Pengurusan Kualiti Air Water Quality Management	1	14	-	3
4.	Pengurusan Kualiti Udara Air Quality Management	9	173	-	40
5.	Peraturan-Peraturan Alam Sekeliling / Environmental Legislation	17	310	-	71
6.	Pengurusan dan Kesan Penilaian Alam Sekeliling / Environmental Management and Impact Assessment	13	209	271	39
7.	Pengurusan Buangan Terjadual / Scheduled Waste Management	9	218	12	53
8.	Program Kerjasama Teknikal Malaysia (PKTM) / Malaysian Technical Cooperation Programme (MTCP)	1	-	17	19
9.	Program Latihan Negara Ketiga / Third Country Training Programme (TCTP)	1	2	16	12
10.	Program Pensijilan untuk Industri / Certification Programme for Industry	20	12	350	5-6
11.	Informasi Teknologi Komunikasi / Information Communication Technology	2	43	-	8
12.	Seminar dan Persidangan / Seminars and Conference	5	35	-	8
13.	Pemeriksaan untuk Pensijilan / Examination for Certification	20	-	362	1
14.	Kursus Induksi Khusus / Specific Induction Course	2	80	-	13

Jadual 8.2 JAS : Program Sangkutan Dalam Negara 2009
Table 8.2 DOE : Attachment Programmes in Malaysia, 2009

Bil. / No.	Tempat / Place	Tarikh / Date	Peserta / Participants
1.	Fatty Chemical (M) Sdn. Bhd 2510, Lorong Perusahaan Satu Prai Industrial Complex 13600 Prai, Pulau Pinang	2 – 6 Februari / February 2009	1) KPP Jamaludin Mahmud bin Abu Bakar (EiMAS) 2) PK Hapsah Bt Mohamad (EiMAS) 3) PK Zaimastura Bt Ibrahim (EiMAS) 4) PPKK M. Yazir B. Mohd Rashid (EiMAS) 5) PPK Wan Khairuldin B. Wan Ismail (EiMAS)
2.	Arachem (M) Sdn. Bhd. 11, Persiaran Industri Taman Perindustrian Sri Damansara Bandar Sri Damansara 52200 Kuala Lumpur	12 – 13 Mac/March 2009	1) PK Mohd Aftar Balliah (JAS Selangor) 2) PK Hapsah Bt Mohamad (EiMAS) 3) PK Zaimastura Bt Ibrahim (EiMAS) 4) PPKK Ahmad Shamsudin Che Abas (EiMAS) 5) PPKK M. Yazir B. Mohd Rashid (EiMAS) 6) JT Saifull Bahari Bin Kopom (JAS WPKL)

Jadual 8.2 JAS : Program Sangkutan Dalam Negara 2009
Table 8.2 DOE : Attachment Programmes in Malaysia, 2009

Bil. / No.	Tempat / Place	Tarikh / Date	Peserta / Participants
3.	CUF Petronas Gas Berhad KM 105, Jln Kuantan/Kuala Terengganu 24300 Kertih, Kemaman Terengganu	23 – 27 Mac / March 2009	1) PK Anuar Ishak (JAS Melaka) 2) PK Hazimi Hamid (JAS Pulau Pinang) 3) PK Hapsah Bt Mohamad (EiMAS) 4) PPK Aini Azmah Ahmad (JAS Negeri Sembilan)
4.	Petronas Penapisan (Melaka) Sdn. Bhd. Bangunan Pentadbiran Persiaran Penapisan 76300 Sungai Udang, Melaka	13 – 17 April 2009	1) PK Rosnani Ahmad Kasrin (JAS WPKL) 2) PK Siti Shamsinar Annuar (JAS Pahang) 3) PK Noorlida Abd Malik (JAS Selangor) 4) PK Jamal Affendy Shahar (JAS Johor)
5.	Petronas Penapisan (Melaka) Sdn. Bhd. Bangunan Pentadbiran Persiaran Penapisan 76300 Sungai Udang, Melaka	18 – 22 Mei / May 2009	1) PK Norsazali Bin Ramli (JAS Perak) 2) PK Janizan Abu Kasim (JAS Johor) 3) PPK Mohd Ahmadi Dayukan (JAS Sabah) 4) PPK Senikan Razali (JAS Sarawak)
6.	Petronas Penapisan (Melaka) Sdn. Bhd. Bangunan Pentadbiran Persiaran Penapisan 76300 Sungai Udang, Melaka	6 – 10 Julai / July 2009	1) PK Goh See Ben (EiMAS) 2) PK Farah Diyana Rusli (EiMAS) 3) PK Mohd Zamzani Ibrahim (JAS Kelantan) 4) PK Abdul Razak Yasin (JAS Negeri Sembilan) 5) PPK Wan Khairuldin Wan Ismail (EiMAS)
7.	Petronas Penapisan (Melaka) Sdn. Bhd. Bangunan Pentadbiran Persiaran Penapisan 76300 Sungai Udang, Melaka	5 – 9 Oktober / October 2009	1) PK Siti Fatimah Md Rasih (JAS Pulau Pinang) 2) PPK Isman Ismail (JAS Terengganu) 3) PPK Johaimin Johari (JAS Kedah) 4) PPK Azizee Aziz (JAS Pulau Pinang) 5) PPK Muhammad Hizam Mohd Ibrahim (EiMAS)
8.	Fatty Chemical (M) Sdn. Bhd 2510, Lorong Perusahaan Satu Prai Industrial Complex 13600 Prai, Pulau Pinang	7 – 11 Disember / December 2009	1) PK Zuraini Siam (JAS Ibu Pejabat) 2) PK Mastawa Hj Zainudin (JAS Ibu Pejabat) 3) PPKK Nosora Mohd Jadi (JAS Melaka) 4) PPK Norfariza Norkhiri (JAS Terengganu)

Jadual 8.3 JAS : Program Sangkutan Luar Negara 2009
Table 8.3 DOE : Attachment Programmes Outside Malaysia, 2009

Bil. / No.	Tempat / Place	Tarikh / Date	Peserta / Participants
1.	Program Sangkutan Mengenai Kawalan Hakisan & Kelodakan di California, USA (Attachment Programme on Control of Erosion and Sedimentation, California, USA)	26 Sept – 10 Okt 2009	1) KPP Roshadah Hashim (EiMAS) 2) KPP Halimah Taib (EiMAS) 3) KPP Sharifah Zakiah Syed Sahab (JAS Ibu Pejabat) 4) PK Abu Bakar Tajuddin (JAS Cameron Highlands) 5) PK Rohimi Harun (JAS Kelantan) 6) PK Mohd Fadli Ismail (JAS Selangor)

Jadual 8.4 JAS : Latihan Di Dalam Negara, 2009
Table 8.4 DOE : Local Training Courses, 2009

Bil. / No.	Tajuk / Title	Tempat / Place	Tarikh / Date	Peserta / Participants
1.	Waste Water Technologies Seminar	G-Hotel, Pulau Pinang	5 March 2009	1) PK Hazrina Salleh (JAS Selangor)
2.	Conference on Landslide Risk Mitigation and Hillslope Re-Engineering Planning	PWTC, Kuala Lumpur	19 March 2009	1) Pengarah Puan Halimah Hassan (JAS Ibu Pejabat) (Bahagian Penilaian)
3.	Bengkel Environment Performance Index (EPI)	Equatorial Hotel, Bandar Baru Bangi	14 April 2009	1) Director General of DOE 2) Deputy Director General (Development) 3) Deputy Director General (Operation) 4) All Division and State Director of DOE
4.	Course on Incineration Technology	Impiana Hotel, Kuala Lumpur	28 – 30 April 2009	1) TKP(P) Dr. Ir. Shamsudin Hj. Ab Latif (JAS Ibu Pejabat) 2) KPP Mohd Hidzir Bakar (EiMAS) 3) PK Che Rohaida Ngah (EiMAS)
5.	Kursus Kepimpinan	INTAN, Bukit Kiara	4 – 15 May 2009	1) Pengarah Puan Halimah Hassan (JAS Ibu Pejabat) (Bahagian Penilaian)
6.	Kursus Kepimpinan	INTAN, Bukit Kiara	6 – 17 July 2009	1) Pengarah Puan Che Asmah Ibrahim (JAS Selangor)
7.	Seminar on Integrated Flood Management (IFM) in Malaysia: Living with Flood Risk	PWTC, Kuala Lumpur	13 – 14 August 2009	1) PK Mohamad Zamzani Ibrahim (JAS Kelantan) 2) PK Saiful Bakri Shamsuddin (JAS Terengganu) 3) PPKK Mohd Shahir Mohd Mujahir (JAS Pahang) (Cawangan Temerloh)
8.	INTAN Executive Talk (IET)	INTAN, Bukit Kiara	8 Sept 2009	1) Pengarah Y.M Tengku Bakry Shah Tengku Johan (JAS WPKL) 2) KPP Rusnani Abdullah (JAS WPKL) 3) KPP Azlan Ahmad (JAS WPKL) 4) KPP Normadiah Hussin (JAS Ibu Pejabat) 5) KPP Aminuddin Ishak (EiMAS) 6) KPP Hajah Dalilah Haji Dali (EiMAS) 7) KPP Mohd Hidzir Bakar (EiMAS) 8) PKK Thahirah Kamarulzaman (JAS WPKL)
9.	Kursus Pemahaman Keselamatan dan Kesihatan Pekerjaan untuk Sektor Awam	NIOSH, Bangi	5 – 10 Oct 2009	1) TA Encik Ab Kadir Yusoh (EiMAS)
10.	International Symposium Forensic Science and Environmental Health 2009	PWTC, Kuala Lumpur	9 – 11 Oct 2009	1) KPP Hajah Hanili Ghazali (JAS Ibu Pejabat) (Bahagian Bahan Berbahaya) 2) PKK Zamardi bin Mohamed (JAS Ibu Pejabat) (Bahagian Bahan Berbahaya) 3) PK Goh See Ben (EiMAS)
11.	Kursus Audit Dalaman Amalan Persekitaran Berkualiti (5S)	Hotel Hilton, Petaling Jaya	18 – 19 Nov 2009	1) PK Siti Shamsinar Annuar (JAS Pahang)
12.	Kursus Kaunseling	UKM, Bangi	8 – 10 Dec 2009	1) Pengarah Puan Rahani Hussin (EiMAS)
13.	National Quality Environment (5S) Convention 2009	Grand Dorsett Subang Hotel, Subang Jaya	8 Dec 2009	1) PT (P/O) Siti Aminah Seron (EiMAS)

Jadual 8.5 JAS : Latihan Luar Negara, 2009
Table 8.5 DOE: Overseas Courses, 2009

Bil./ No.	Tajuk/tempat / Title/place	Penganjur / Organizer	Tempat / Place	Tarikh / Date	Peserta / Participants
1.	Pengurusan Lembangan Sungai Bersepadu (IRBM)	Japan International Cooperation Agency (JICA) and Japan Water Agency (JWA)	Japan	13 Jan - 6 Feb 2009	1) PK Mazlan Omar (JAS Johor) (Cawangan Muar)
2.	Training Programme For Young Leaders (Environment Conservation - Biodiversity) (J0-840003)	Japan International Cooperation Agency (JICA)	Japan	25 Jan - 11 Feb 2009	1) PK Mohammad Ezanni Mat Salleh (JAS Kedah, Cawangan Sg. Petani) 2) PK Zuhariah Jon (JAS Sarawak) 3) PK Chai Hsieh Nee (JAS Sabah) 4) PK Dayang Nurbaini Awang Bujang (JAS Sarawak)
3.	US EPA Stack Emission Sampling Course	Singapore Environment Institute (SEI)	Singapore	27 - 28 July 2009	1) PK Siti Fatimah Abdul Rasih (JAS Pulau Pinang) 2) PK Ramli Manap (JAS Kedah) 3) PPK Nur Mizhuari Abdul Samat (JAS Selangor)
4.	Workshop On Cleaner Production Technology	Ministry of Environment Protection, China	Beijing, China,	28 - 30 July 2009	1) KPP En Ramli Abdul Rahman (JAS Ibu Pejabat) (Cleaner Production) 2) PK Noorazehan Baharum (JAS Ibu Pejabat) (Cleaner Production)
5.	EPP Training Course to study in formulation on E-waste management regulation	Japan International Cooperation Agency (JICA)	Japan	3 - 22 August 2009	1) KPP Ruslan Mohamad (JAS Ibu Pejabat) (Bahagian Bahan Berbahaya) 2) KPP Hedzir Zakaria (JAS Melaka) 3) PK Mohd Fitri Mohd Mokhtar (JAS Pulau Pinang) 4) PK Kamariah Abdullah Khairi (JAS Ibu Pejabat) (Bahagain Komunikasi Strategik) 5) PK Nur Lizrin Johari (JAS Selangor)
6.	Course on Hazardous Waste Management	Kerajaan Thailand & Universiti Mahidol, Thailand	Thailand	31 August – 25 Sept 2009	1) PK Mohd Faizal Ab. Jalil (JAS Pulau Pinang)
7.	Environmental Education for Sustainable Development-Conservation of Coastal Ecosystem Lives of Local Communities	Kerajaan Jepun (Japan International Cooperation Agency (JICA) and Japan Water Agency (JWA)	Japan	23 Sept – 7 Nov 2009	1) PPK Zarina Binti Abu (JAS Ibu Pejabat) (Bahagian Komunikasi Strategik)

Jadual 8.5 JAS : Latihan Luar Negara, 2009
Table 8.5 DOE: Overseas Courses, 2009

Bil./ No.	Tajuk/tempat / Title/place	Penganjur / Organizer	Tempat / Place	Tarikh / Date	Peserta / Participants
8.	Solid Waste Management and Public Cleansing Course	Japan International Cooperation Agency (JICA)	Japan	4 – 21 Oct 2009	1) KPP Hajah Dalilah Haji Dali (EiMAS)
9.	Training Course on JICA Hazardous Waste Management And Appropriate Disposal For Asia	Japan International Cooperation Agency (JICA)	Japan	17 Nov – 19 Dec 2009	1) PK Norazlina Ab Halim (JAS Ibu Pejabat) (Bahagian Bahan Berbahaya)
10.	Program Belia Muda Dalam Bidang Urban Environmental Management	Japan International Cooperation Agency (JICA)	Japan	23 Nov – 10 Dis 2009	1) PK Saravanan a/l Kassi (JAS WPKL)
11.	Seminar on Clean Energy for Developing Countries	Government of China (Ministry of Commerce of China)	Beijing, China	2 - 21 Dec 2009	1) PK Goh See Ben (EiMAS)
12.	Environmental and Health Risk Assessment and Management of Toxic Chemicals	Kerajaan Thailand & Thiland International Development Cooperation Agency	Thailand	6 – 18 Dec 2009	1) PK Nur Syuhaida Mohd Shamsudin (JAS Ibu Pejabat)(Bahagian Penilaian)
13.	Training Workshop on Transboundary Haze Pollution Control	Thailand Pollution Control Department & ASEAN Haze Fund	Bangkok Thailand	14 - 18 Dec 2009	1) PKK Sivanathiran a/l Subramaniam (JAS Sarawak, Cawangan Miri)