



Jabatan Perhutanan Semenanjung Malaysia

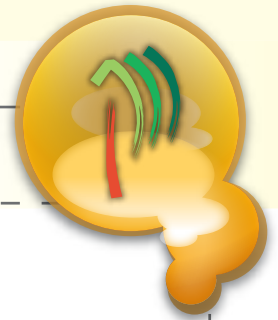
Forestry Department Peninsular Malaysia



LAPORAN TAHUNAN
annual report
2007

KANDUNGAN

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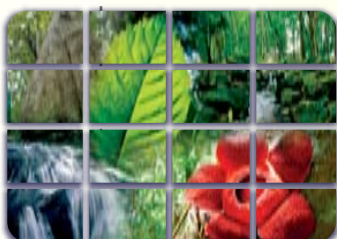
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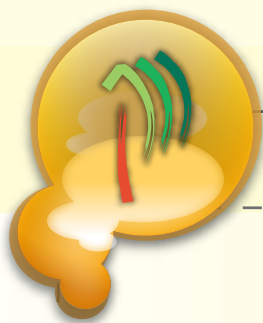
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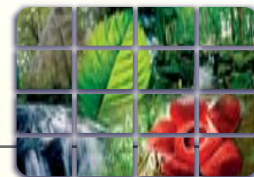
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PERSPEKTIF
JABATAN
*Department's
Perspectives*



Wawasan

Menjadi Agensi Terunggul Dalam
Pengurusan Hutan Tropika
Secara Berkekalan

Vision

*To Be The Agency Of Excellence
In The Sustainable Management
Of Tropical Forest*

Misi

Untuk Mengurus Dan Membangunkan
Sumber Hutan Secara Berkekalan Serta
Mengoptimumkan Sumbangannya
Kepada Pembangunan Sosioekonomi
Negara.

Mission

*To Sustainably Manage And
Develop The Forest Resources And
Optimize Their Contributions To
National Socio - economic
Development*

OBJEKTIF

- Untuk menguruskan sumber hutan negara secara berkekalan bagi pengeluaran berterusan hasil dan perkhidmatan hutan serta penggunaannya secara optimum bersesuaian dengan keperluan alam sekitar.
- Untuk meningkatkan bekalan pengeluaran hasil dan perkhidmatan hutan melalui aktiviti-aktiviti perhutanan bersesuaian yang akan meningkatkan kualiti, produktiviti serta penggunaan sumber hutan.
- Untuk terus membangunkan teknologi mantap yang bersesuaian dengan keperluan alam sekitar bagi pemeliharaan, pengurusan dan penggunaan sumber hutan.
- Untuk memelihara dan melindungi kepelbagaian biologi hutan, air serta tanah, dan penggunaannya secara berkekalan.
- Untuk meningkatkan kualiti dan kecekapan kilang-kilang pemprosesan berasaskan keluaran hutan serta menambahkan aktiviti-aktiviti hiliran dengan nilai-tambah yang tinggi.
- Untuk memperkukuhkan pembangunan sumber manusia bagi menyokong sektor perhutanan.
- Untuk meningkatkan kesedaran awam berhubung peranan hutan terhadap alam sekitar dan pemeliharaan melalui pembelajaran serta penyebaran maklumat.
- Untuk meningkatkan sumbangan sektor perhutanan kepada pendapatan negara, pertukaran wang asing dan peluang-peluang pekerjaan.

OBJECTIVES

- *To manage the forest resources sustainably for the continuous production of forest goods and services and their optimum utilization, compatible with environmental requirements.*
- *To increase the supply of forest goods and services through appropriate forestry activities that enhance the quality, productivity and utilization of the forest resources.*
- *To further develop appropriate environmentally sound technology for the conservation, management and utilization of the forest resources.*
- *To conserve and protect the forest biological diversity, water and soil, and their sustainable utilization.*
- *To increase the quality and efficiency of the forest-based processing mills and enhance higher value added downstream activities.*
- *To strengthen human resource development (HRD) to support the forestry sector.*
- *To improve public awareness on the environmental and conservational roles of forests through education and dissemination of information.*
- *To increase the forestry sector's contribution to national income, foreign exchange earnings and employment opportunities.*

PIAGAM PELANGGAN IBU PEJABAT PERHUTANAN SEMENANJUNG MALAYSIA

- Semua permohonan untuk mendapatkan maklumat-maklumat mengenai pengurusan, pembangunan dan pemuliharaan sumber hutan serta industri perhutanan akan dikemukakan dalam tempoh satu (1) minggu dari tarikh permohonan diterima kecuali bagi maklumat-maklumat yang belum diperolehi oleh Jabatan.
- Nasihat-nasihat teknikal mengenai pengurusan, pembangunan dan pemuliharaan sumber hutan serta industri perhutanan akan dikemukakan dalam tempoh dua (2) minggu dari tarikh ianya diterima kecuali bagi perkara-perkara yang memerlukan kajian yang khusus.
- Semua permohonan untuk mendapatkan penerbitan tidak terperingkat akan diedarkan dalam tempoh dua (2) minggu dari tarikh permohonan diterima.
- Permohonan untuk mengikuti latihan dalam perkhidmatan yang dianjurkan oleh Jabatan akan dimaklumkan keputusannya dalam tempoh dua (2) minggu selepas tarikh tamat penerimaan permohonan.
- Permohonan untuk mengikuti kursus-kursus di Sekolah Perhutanan, Kepong dan Pusat Latihan Membalak, Terengganu akan dimaklumkan keputusannya dalam tempoh satu (1) bulan selepas tarikh temuduga.
- Semua laporan kemajuan projek pembangunan hutan akan dikemukakan kepada agensi pusat tidak lewat dari tarikh yang ditetapkan.
- Keputusan tawaran pelaksanaan projek pembangunan hutan akan dimaklumkan tidak lewat dari empat (4) bulan selepas tawaran dikeluarkan.
- Tindakan untuk mengemukakan dokumen bagi bayaran kemajuan kontrak ke Perbendaharaan akan diambil dalam tempoh satu (1) bulan dari tarikh permohonan diterima sekiranya semua syarat-syarat yang ditetapkan dipenuhi.
- Bon pelaksanaan kontrak akan dilepaskan dalam tempoh satu (1) bulan selepas tamat tempoh bon tersebut.
- Semua aduan berhubung perkhidmatan perhutanan akan diambil tindakan dalam tempoh tiga (3) hari dari tarikh aduan diterima.

CLIENT'S CHARTER FORESTRY DEPARTMENT HEADQUARTERS PENINSULAR MALAYSIA

- *All requests for information on management, development and conservation of forest resources as well as forest industries shall be entertained within one (1) week from the date such requests were made except for information not readily available in the Department.*
- *Technical advice on management, development and conservation of forest resources, as well as forest industries shall be forwarded within two (2) weeks from the date such requests were made except for matters requiring specific studies.*
- *All requests for unrestricted publications shall be distributed within two (2) weeks from the date such requests were made.*
- *All applications to attend in-service training organised by the Department shall be notified within two (2) weeks after the closing date for such applications.*
- *All applications to attend courses at the Forestry School in Kepong and the Logging Training Centre in Terengganu shall be notified within one (1) month after the dates of interviews.*
- *All progress reports on forest development projects shall be submitted to the central agency not later than the date stipulated.*
- *Results of tenders for the implementation of forest development projects shall be made known not later than four (4) months after such tenders were issued.*
- *Actions to forward the contract progress payment documents to the Treasury shall be undertaken within one (1) month from the date of application provided all conditions are fulfilled.*
- *Performance bonds shall be released within one (1) month after the expiry date of such bonds.*
- *All complaints pertaining to forestry services shall be acted upon within three (3) days after such complaints were received.*

PIAGAM PELANGGAN JABATAN PERHUTANAN NEGERI SEMENANJUNG MALAYSIA

- Semua permohonan untuk mengeluarkan hasil-hasil hutan atau menjalankan Kilang Berasas Kayu akan diproses mengikut prosedur yang telah ditetapkan.
- Lesen untuk mengeluarkan hasil hutan akan dikeluarkan dalam tempoh tidak melebihi enam (6) bulan dari tarikh kelulusan diberi, setelah semua syarat-syarat kelulusan dipatuhi.
- Lesen untuk menjalankan Kilang Berasas Kayu akan dikeluarkan dalam tempoh masa tidak melebihi satu (1) bulan dari tarikh siap kilang dibina setelah memenuhi semua syarat-syarat kelulusan.
- Keputusan mengenai permohonan melanjutkan tempoh lesen mengeluarkan hasil hutan atau lesen menjalankan Kilang Berasas Kayu akan diberi dalam tempoh tidak melebihi satu (1) bulan dari tarikh permohonan diterima.
- Menghargai maklumat serta maklum balas yang diterima daripada orang awam. Semua aduan kesalahan hutan akan diambil tindakan dalam masa tidak melebihi tiga (3) hari.
- Memberi perkhidmatan yang sebaik mungkin serta layanan yang mesra setiap masa.

CLIENT'S CHARTER STATE FORESTRY DEPARTMENT PENINSULAR MALAYSIA

- *All applications to take forest produce or to operate Wood-based Industries shall be processed according to prescribed procedures.*
- *Licences to take forest produce shall be issued within a period of not more than six (6) months from the date of approval, provided the required terms are fulfilled.*
- *Licences to operate Wood-based Industries shall be issued within a period of not more than one (1) month from the completion of mill construction provided all terms of approval are fulfilled.*
- *Decisions on applications for extension of all licences to take forest produce or to operate Wood-based Industries shall be made within a period of not more than one (1) month from the date of such applications were received.*
- *Information and feedback received from the public will be acknowledged. All complaints pertaining to forest offences shall be acted upon within a period of not more than three (3) days.*
- *To render the best possible services and courtesy at all times.*



PENGURUSAN/
PENTADBIRAN
*Management/
Administration*



PERUTUSAN KETUA PENGARAH *DIRECTOR GENERAL'S MESSAGE*

Dalam era yang semakin mencabar di mana sektor perhutanan mendapat perhatian daripada semua lapisan masyarakat, pelbagai usaha telah dipertingkatkan bagi memastikan segala kepentingan dan faedah hutan terus dinikmati secara optimum. Sehubungan dengan itu, sepanjang tahun 2007, Jabatan Perhutanan Semenanjung Malaysia (JPSM) mempergiatkan lagi usaha ke arah mencapai matlamat pengurusan hutan secara berkekalan. Ke arah ini, penilaian pengurusan hutan berdasarkan Standard MC&I (2002) telah dilaksanakan di negeri-negeri iaitu Johor, Kedah, Kelantan, Negeri Sembilan, Pahang, Perak, Selangor dan Terengganu. Negeri Sembilan serta Pahang telah berjaya memenuhi keperluan Standard dan telah dianugerahkan Sijil Pengurusan Hutan oleh Majlis Pensijilan Kayu-kayan Malaysia (MTCC). Sehingga akhir tahun 2007, kawasan sejumlah 4.30 juta hektar telah disahkan dan dianugerahkan Sijil Pengurusan Hutan di bawah Piawaian MC&I (2002) Majlis Pensijilan Kayu-kayan Malaysia (MTCC).

Tahun 2007 juga merupakan tahun kedua pelaksanaan projek-projek di bawah Rancangan Malaysia Kesembilan (RMK9). Dalam hubungan ini, JPSM telah melaksanakan sejumlah 11 program pembangunan yang mengandungi 108 projek di peringkat persekutuan dan negeri. Peruntukan pembangunan RMK9 tahun 2007 adalah sebanyak RM75 juta, manakala pencapaian kewangan adalah sebanyak RM69.96 juta atau 93.3%.

Dalam usaha memastikan sumber kepelbagaian biologi hutan negara terus terpelihara, JPSM telah menganjurkan "National Conference on the Management and Conservation of Forest Biodiversity in Malaysia" pada 20-21 Mac 2007. Sebanyak 41 kertas kerja telah dibentangkan. Seminar ini bertujuan untuk meningkatkan pengetahuan saintifik dan mendokumentasikan maklumat berkaitan kekayaan flora dan fauna di Semenanjung Malaysia.

Kepentingan sumber hutan bukan kayu juga mendapat perhatian dan menjadi salah satu agenda penting Jabatan. Dalam konteks ini, penghasilan gaharu daripada pokok Karas telah diberi perhatian khusus dalam tahun 2007. Ke arah ini, Persidangan Gaharu Kebangsaan telah diadakan pada 11 September 2007 di Kuala Lumpur bagi menyampaikan status terkini perladangan dan penyelidikan spesies Karas serta membincangkan isu-isu dan cabaran dalam industri gaharu.

Lanjutan daripada peristiwa tsunami pada tahun 2004, pihak Kementerian Sumber Asli dan Alam Sekitar telah mengambil langkah proaktif dengan menubuhkan sebuah Pasukan Petugas Khas Jawatankuasa Operasi

Menanam Pokok Bakau dan Spesies-Spesies Yang Sesuai Di Pesisiran Pantai Negara yang dipengerusikan oleh Ketua Setiausaha. Satu upacara rasmi Pelancaran Program Penanaman Pokok Bakau dan Spesies-Spesies Lain Yang Sesuai Di Pesisiran Pantai Negara telah disempurnakan oleh Y.A.B Perdana Menteri Malaysia pada 2 Februari 2007 di Kampung Baru Pulau Sayak, Kota Kuala Muda, Kedah.

Ke arah meningkatkan keberkesanan pemuliharaan serta mengumpulkan maklumat-maklumat baru kepelbagaian biologi hutan, JPSM telah menganjur dan mengetuai sebanyak 17 Ekspedisi Sainifik Kepelbagaian Biologi Hutan mulai tahun 1999 di mana 3 ekspedisi telah diadakan pada tahun 2007. Sehubungan dengan itu, sebanyak 14 siri seminar Ekspedisi Sainifik Kepelbagaian Biologi Hutan telah diadakan, termasuk 3 seminar pada tahun 2007. Sehingga penghujung 2007, sebanyak 10 siri Buku Prosiding mengenai hasil-hasil penemuan dalam Seminar Ekspedisi Sainifik Kepelbagaian Biologi Hutan telah diterbitkan.

Dalam pada itu, JPSM turut memberi penekanan kepada peningkatan kemahiran dan pengetahuan staf serta melaksanakan program pendidikan bagi meningkatkan kesedaran masyarakat sejajar dengan keperluan semasa dalam menghadapi cabaran global. Dalam tahun 2007, sebanyak 14 siri perkhemahan kesedaran perhutanan telah diadakan yang melibatkan kaum belia, pelajar sekolah rendah dan menengah bagi meningkatkan kesedaran berhubung kepentingan hutan dalam pengekalan kestabilan alam sekitar.

Akhir kata, saya mengambil kesempatan ini untuk merakamkan ucapan terima kasih kepada semua staf JPSM di atas segala usaha gigih dan dedikasi yang berterusan dalam menempa pelbagai kejayaan sepanjang tahun 2007. Saya juga mengucapkan terima kasih kepada pihak Kementerian Sumber Asli dan Alam Sekitar, semua agensi dan Badan bukan kerajaan yang berkaitan di atas segala kerjasama dan sokongan yang diberikan kepada Jabatan

Efforts have been intensified to ensure the optimum benefits of the forests can be continuously enjoyed amidst this challenging era with the forestry sector facing greater attention from all levels of communities. In this regard, the Forestry Department Peninsular Malaysia (FDPM) has enhanced her efforts towards the attainment of sustainable forest management objective throughout the year in 2007. Towards this end, forest management assessments based on the MC&I (2002) Standard have been conducted in the states of Johore, Kedah, Kelantan, Negeri Sembilan, Pahang, Perak, Selangor and Terengganu. In this context, the states of Negeri Sembilan and Pahang have successfully met the requirements of the Standard and were subsequently awarded the Forest Management Certificate by the Malaysian Timber Certification Council (MTCC). At the end of 2007, a total area of 4.30 million hectares have been certified and awarded the Certificate for Forest Management under the Malaysia Timber Certification Council (MTCC) standard MC&I (2002).

The year 2007 was the second year in the implementation of the development projects under the Ninth Malaysia Plan (RMK9). In this connection, FDPM has carried out a total 11 development programmes comprising 108 projects at both the federal and state levels. The total development budget under RMK9 allocated in 2007 amounted to RM75 million, while the financial achievement for the year amounted to RM69.96 million or 93.3%.

In her quest to ensure that the country's biological diversity resources are better conserved, FDPM has organised the National Conference on the Management and Conservation of Forest Biodiversity in Malaysia on 20-21 March 2007. A total of 41 working papers were presented. This seminar was conducted with the aim of improving the scientific knowledge of the participants and to better document the information on forest flora and fauna of Peninsular Malaysia.

The importance of non-timber forest resources were also given due attention and remained an important agenda of the Department. In this context, the production of agarwood from Karas trees have been given special attention in 2007. Towards this end, the National Agarwood Conference was organised on 11 September 2007 in Kuala Lumpur to disseminate information on the current status of Karas tree plantation establishment and to discuss the numerous issues and challenges facing the agarwood industry.

Pursuance to the 2004 Tsunami incidence, the Ministry of Natural Resources and Environment has taken proactive steps in establishing a Special Task Force on the Planting Programme with Mangroves and Other Suitable Tree Species Along the National Coastline chaired by the Secretary-General. In this regard, the Planting programme with Mangroves and Other Suitable Tree Species Along the National Coastline was officially launched by the Right Honourable Prime Minister of Malaysia on 2 February 2007 in Kampung Baru Pulau Sayak, Kota Kuala Muda, Kedah.

To further enhance the efficiency in the conservation and the collection and collation of new information on forest biodiversity, FDPM has conducted and headed a total of 17 Forest Biological Diversity Scientific Expeditions whereby 3 of them were conducted in 2007. In line with this, a series of 14 seminars on the Forest Biological Diversity Scientific Expeditions were also organised of which 3 were in 2007. Consequently, a total of 10 Proceedings on outcomes of the numerous Seminars on the Forest Biological Diversity Scientific Expeditions have been published as at the end of 2007.

The Forestry Department Peninsular Malaysia also emphasised on the enhancement of skills and knowledge of her staff in line with the current requirements in addressing global challenges, as well as in the implementation of education programme to increased community awareness. In the year 2007, a total of 14 forestry awareness camps were organised to improve the awareness level of the youth, primary and secondary school students on the importance of forests to the sustain the stability of the environment.

In closing, I would like to take this opportunity to express my sincere appreciation to all the staff of FDPM on their continuous dedication and untired efforts in realising numerous achievements throughout the year 2007. I would also like to convey my sincere thanks to the Ministry of Natural Resources and the Environment, all related agencies and Non-governmental organisations for their kind co-operations and supports rendered to the Department.



DATO' SERI AZAHAR BIN MUDA
Ketua Pengarah Perhutanan
Semenanjung Malaysia
Director General of Forestry
Peninsular Malaysia



Fungsi Direktorat

Functions of the Directorate

Ahli direktorat terdiri daripada Ketua Pengarah Perhutanan Semenanjung Malaysia dan dua orang Timbalan Ketua Pengarah. Direktorat adalah bertanggungjawab dalam penggubalan dan pelaksanaan dasar-dasar, strategi-strategi dan objektif-objektif Jabatan serta menyelaraskan kerja-kerja pentadbiran, pengurusan, pembangunan dan pemeliharaan sumber hutan selaras dengan keperluan negara.

The Directorate comprises the Director General of Forestry Peninsular Malaysia and two Deputy Director Generals. They are responsible for the formulation and implementation of policies, strategies and objectives of the Department, as well as in coordinating the administration, management, development and conservation of the forest resources to meet the needs of the country.

AHLI-AHLI DIREKTORAT

MEMBERS OF THE DIRECTORATE



TIMBALAN KETUA PENGARAH PERHUTANAN (PERANCANGAN DAN PEMBANGUNAN HUTAN)

*Deputy Director General of Forestry
(Forest Planning and Development)*

Dato' Dahlan bin Taha

KETUA PENGARAH PERHUTANAN SEMENANJUNG MALAYSIA

*Director General of Forestry
Peninsular Malaysia*

Dato' Seri Azahar bin Muda

TIMBALAN KETUA PENGARAH PERHUTANAN (OPERASI HUTAN)

*Deputy Director General of Forestry
(Forest Operations)*

Dato' Razani bin Ujang
(mulai/ *since* 1 Ogos 2007)

Dato' Mokhtar bin Mat Isa
(sehingga/ *until* 9 Julai 2007)
(tiada dalam foto/ *not in the
photograph*)

PENGARAH-PENGARAH UNIT DI IBU PEJABAT PERHUTANAN UNIT DIRECTORS AT THE FORESTRY DEPARTMENT HEADQUARTERS



1. **PENGARAH TEKNOLOGI MAKLUMAT**
Director of Information Technology
Khairuddin bin Mohamad Mor

2. **PENGARAH EKONOMI HUTAN**
Director of Forest Economics
Saharudin bin Ahmad
(menanggung kerja sehingga/ *charging until* 31 Oktober 2007)

Chin Yue Mun
(menanggung kerja dari/ *charging from* 1 November 2007)

3. **PENGARAH LATIHAN PERHUTANAN**
Director of Forestry Training
Mahdan bin Bongkik
(sehingga/ *until* 15 Julai 2007)
(tiada dalam foto/ *not in the photograph*)

Abdullah Sani bin Shaffie
(mulai/ *since* 16 Julai 2007)

4. **PENGARAH TUGAS-TUGAS KHAS & W. PERSEKUTUAN**
Director of Special Functions & Federal Territory
Borhanudin bin Arshad

5. **PENGARAH PENGURUSAN HUTAN**
Director of Forest Management
Yap Yee Hwai
(menanggung kerja dari/ *charging from* 1 Ogos - 1 September 2007)

6. **PENGARAH PENGURUSAN HUTAN**
Director of Forest Management
Masran bin Md. Salleh
(sehingga/ *until* 1 Ogos 2007)

Nik Mohd Shah bin Nik Mustafa
(mulai/ *since* 1 September 2007)
(tiada dalam foto/ *not in the photograph*)

7. **PENGARAH PENGUATKUASAAN**
Director of Enforcement
Mohd Paiz bin Kamaruzaman
(sehingga/ *until* 1 Oktober 2007)

Mohd Nasir bin Abu Hassan
(mulai/ *since* 1 Oktober 2007)
(tiada dalam foto/ *not in the photograph*)

8. **PENGARAH ANTARABANGSA & KEURUSETIAAN**
Director of International & Secretariat
Dr. Mohd Yunus bin Zakaria

9. **PENGARAH PERANCANGAN HUTAN**
Director of Forest Planning
Chin Yue Mun

10. **PENGARAH KEMAJUAN PERINDUSTRIAN HUTAN**
Director of Forest Industrial Development
Ir. Saiful Muzamir bin Ismail

11. **PENGARAH LADANG HUTAN**
Director of Forest Plantation
Zulkefli bin Mokhtar

12. **PENGARAH SILVIKULTUR DAN PERLINDUNGAN HUTAN**
Director of Silviculture and Forest Protection
Koh Hock Lye

13. **PENGARAH KEJURUTERAAN HUTAN**
Director of Forest Engineering
Cheng Chin Tai

KETUA PEGAWAI TADBIR
Chief Administrative Officer
Ismail bin Dollah
(tiada dalam foto/ *not in the photograph*)



PENGARAH-PENGARAH PERHUTANAN NEGERI STATE DIRECTORS OF FORESTRY



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1. PERLIS
Roslan bin Ariffin

2. PULAU PINANG
Samsudin bin Salleh

3. PERAK
Masran bin Md. Salleh
(mulai/ *since* 1 Ogos 2007)

4. PAHANG
Dato' Che Hashim bin Hassan

5. KELANTAN
Wan Yusoff bin Wan Ahmad

6. WILAYAH PERSEKUTUAN
Borhanudin bin Arshad

7. KEDAH
Kasim bin Osman

8. TERENGGANU
Na'aman bin Jaafar

9. JOHOR
Dr. Abd Rahman bin Abd Rahim

10. NEGERI SEMBILAN
Ahmad Zainal bin Mat Isa

MELAKA
Khairuddin bin Perdan
Pegawai Perhutanan Negeri
State Forestry Officer
(tiada dalam foto/ *not in the photograph*)

11. PERAK
Dato' Razani bin Ujang
(sehingga/ *until* 1 Ogos 2007)

12. SELANGOR
Nik Mohd Shah bin Nik Mustafa
(sehingga/ *until* 1 September 2007)

Nor Akhiruddin bin Mahmud
(mulai/ *since* 1 September 2007)
(tiada dalam foto/ *not in the photograph*)

PENGANUGERAHAN / AWARDS



Foto/Photo 1

Dalam tahun 2007, beberapa orang pegawai telah dianugerahkan pingat kebesaran negeri-negeri.

Jabatan Perhutanan merakamkan ucapan tahniah kepada Ketua Pengarah Perhutanan Semenanjung Malaysia, Dato' Seri Azahar bin Muda di atas penganugerahan Darjah Seri Paduka Mahkota Perak (S.P.M.P) yang membawa gelaran Dato' Seri oleh Duli Yang Maha Mulia Paduka Seri Sultan Perak pada 19 April 2007 (Foto 1) dan juga kepada Dato' Che Hashim bin Hassan, Pengarah Perhutanan Negeri Pahang di atas penganugerahan Darjah Indera Mahkota Pahang (D.I.M.P) pada 3 November 2007 yang membawa gelaran Dato' sempena Hari Keputeraan Kebawah DYMM Sultan Pahang (Foto 2).

Jabatan juga merakamkan ucapan tahniah kepada lain-lain pegawai yang dianugerahkan Darjah Kebesaran Negeri dan Persekutuan. Mereka adalah Encik Ahmad Zainal bin Mat Isa, Pengarah Perhutanan Negeri Sembilan dan Melaka di atas penganugerahan Bintang Cemerlang Melaka (B.C.M) pada 13 Oktober 2007 sempena sambutan Ulang Tahun Keputeraan Tuan Yang Terutama Yang Di-Pertua Negeri Melaka (Foto 3).

Encik Chin Yue Mun, Pengarah Perancangan Hutan, Ibu Pejabat Perhutanan telah menerima anugerah Pingat Ahli Mangku Negara (A.M.N) pada 13 Februari 2007 sempena Hari Keputeraan Seri Paduka Baginda Yang di-Pertuan Agong (Foto 4).

Encik Samsudin bin Salleh, Pengarah Perhutanan Negeri Pulau Pinang telah menerima anugerah kebesaran Pingat Bintang Cemerlang Negeri (B.C.N) sempena Hari Keputeraan Tuan Yang Terutama Yang Di-Pertua Negeri Pulau Pinang pada 14 Julai 2007 (Foto 5).

During the year 2007, a number of forest officers were conferred state's honor.

The Forestry Department congratulates the Director General of Forestry Peninsular Malaysia, Dato' Seri Azahar bin Muda on being conferred Darjah Seri Paduka Mahkota Perak (S.P.M.P) which carries the title Dato' Seri by His Royal Highness Sultan Perak on 19 April 2007 (Photo 1) and also to Dato' Che Hashim bin Hassan, Pahang State Director of Forestry on being conferred the Darjah Indera Mahkota Pahang (D.I.M.P) which carries the title Dato' on 3 November 2007 on occasion of the birthday of His Royal Highness Sultan Pahang (Photo 2).

The Department would also like to congratulate other officers of the department for being conferred with State's and Federal's honor. They are Mr. Ahmad Zainal bin Mat Isa, Negeri Sembilan and Malacca State Director of Forestry on being conferred the Bintang Cemerlang Melaka (B.C.M) on 13 October 2007 on the occasion of the birthday of Tuan Yang Terutama Yang Di-Pertua Negeri Melaka (Photo 3).

Mr. Chin Yue Mun, Director of Forest Planning, Forestry Department Headquarters on being conferred the Ahli Mangku Negara (A.M.N) on 13 February 2007 on the occasion of the birthday of His Majesty of the Yang di-Pertuan Agong (Photo 4).

Mr. Samsudin bin Salleh, Pulau Pinang State Director of Forestry on being conferred the Bintang Cemerlang Negeri (B.C.N) on the occasion of the birthday Tuan Yang Terutama Yang Di-Pertua Negeri Pulau Pinang on 14 July 2007 (Photo 5).



Foto/Photo 2

PENGANUGERAHAN / AWARDS



Foto/Photo 3

Encik Muhammad Noruzi bin Mohd Yusoff, Penolong Pegawai Hutan Daerah, Jerantut, Jabatan Perhutanan Negeri Pahang, di atas penganugerahan Pingat Ahli Mahkota Pahang (A.M.P) pada 5 Februari 2007, Encik Saleh bin Awaluddin, Penolong Pengarah Penguatkuasa Pahang Barat, Jabatan Perhutanan Negeri Pahang di atas penganugerahan Pingat Ahli Mahkota Pahang (A.M.P) pada 10 April 2007 dan Encik Ridzuan bin Salleh, Penolong Pengarah Penguatkuasa Pahang Timur, Jabatan Perhutanan Negeri Pahang, di atas penganugerahan Pingat Ahli Mahkota Pahang (A.M.P) pada 14 Mei 2007 (Foto 6) sempena Hari Keputeraan DYMM Sultan Pahang.



Foto/Photo 4

Mr. Muhammad Noruzi bin Mohd Yusoff, Assistant District Forest Officer, Jerantut, Pahang State Forestry Department for being conferred the Ahli Mahkota Pahang (A.M.P) on 5 February 2007, Mr. Saleh bin Awaluddin, Enforcement Assistant Director of Western Pahang, Pahang State Forestry Department for being conferred the Ahli Mahkota Pahang (A.M.P) on 10 April 2007 and Mr. Ridzuan bin Salleh, Enforcement Assistant Director of Eastern Pahang, Pahang State Forestry Department for being conferred the Ahli Mahkota Pahang (A.M.P) on 14 May 2007 (Photo 6) on occasion of the birthday of His Royal Highness Sultan Pahang.



Foto/Photo 5



Foto/Photo 6

PENGANUGERAHAN / AWARDS

Pada tahun 2007, Anugerah Ketua Pengarah Semenanjung Malaysia 2007 telah diberikan kepada Encik Roslan bin Ariffin, Pengarah Perhutanan Negeri Perlis diatas kejayaan Jabatan Perhutanan Negeri Perlis menjalinkan usahasama dengan Teknologi Park Malaysia dalam menghasilkan dan memasarkan produk herba [Foto 7].

In 2007, the Director General Peninsular Malaysia Award was conferred to Mr Roslan bin Ariffin, Perlis State Forestry Director for the success of Perlis State Forestry Department in establishing cooperation with Technology Park Malaysia for producing and marketing herbs product (Photo 7).



Foto/ Photo 7

Seramai 28 orang pegawai JPSM (Foto 8) telah menerima Anugerah Perkhidmatan Cemerlang, 2006. Mereka adalah :-

A total of 28 officers of the FDPM (Photo 8) were awarded with Excellent Service Awards, 2006. They are :-



Foto/ Photo 8

Barisan belakang (kiri ke kanan) / Back row (left to right)

Amir Hafidz bin Mohd Taha, Mohd Nizam bin Awang, Mohd Noor bin Mohamad, Salmiah binti Osman, Mat Salim bin Samsuddin, Kalsom binti Ibrahim, Mohd Nasir bin Mohd, Nor Halizah binti Abd Halim, Saiful Azzuan bin Aznam, Suhana @ Noor Huda binti Suhaimi, Abd Razak bin Abd Rahim, Norzilah binti Ishak, Masuri bin Abd Manan, Che Norhariza binti Che Aziz, Shaharom Najim bin Ishak, Muhammad bin Hasan, Azmi bin Othman.

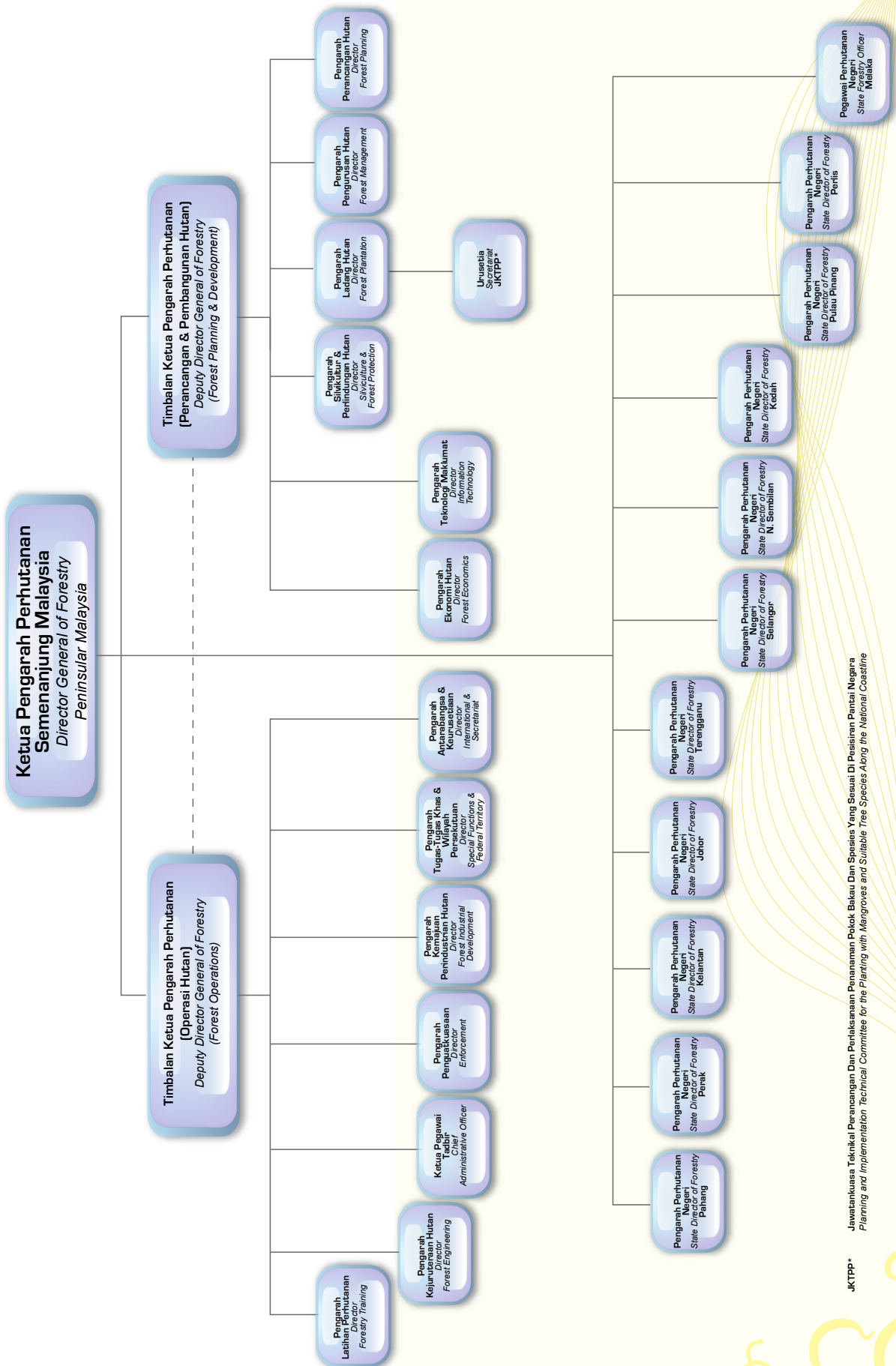
Barisan depan (kiri ke kanan) / Front row (left to right)

Borhanuddin bin Arshad, Rahimi bin Osman, Dr. Abd Rahman bin Abd Rahim, Masran bin Md Salleh, Khairuddin bin Mohamad Mor, Azmi bin Nordin

Tiada dalam gambar / Not in the photograph

Zahriah binti Anis, Erik Lim Chong Ping, Samsuddin bin Karman, Suriya binti Yunus, Mohamed Sani bin Johar.

CARTA ORGANISASI Organisation Chart



ORGANISASI / ORGANISATION

Jabatan Perhutanan Semenanjung Malaysia (JPSM) berada di bawah Kementerian Sumber Asli dan Alam Sekitar, Malaysia dan terdiri daripada Ibu Pejabat Perhutanan di Kuala Lumpur, 10 Jabatan Perhutanan Negeri dan 33 Pejabat Hutan Daerah di seluruh Semenanjung Malaysia. Jabatan ini diketuai oleh Ketua Pengarah Perhutanan dan dibantu oleh dua Timbalan Ketua Pengarah Perhutanan. Pada akhir tahun 2007, bilangan gunatenaga adalah seramai 5,487 orang.

The Forestry Department Peninsular Malaysia (FDPM) is under the Ministry of Natural Resources and Environment, Malaysia and it comprises the Forestry Department Headquarters in Kuala Lumpur, 10 State Forestry Departments and 33 District Forest Offices located throughout Peninsular Malaysia. The Department is headed by the Director General of Forestry and assisted by two Deputy Director Generals of Forestry. At the end of 2007, the total workforce is 5,487.

FUNGSI-FUNGSI JABATAN

Jabatan Perhutanan Semenanjung Malaysia berfungsi dalam pengurusan, perancangan, perlindungan dan pembangunan kawasan Hutan Simpanan Kekal (HSK) selaras dengan Dasar Perhutanan Negara (DPN) dan Akta Perhutanan Negara (APN).

IBU PEJABAT PERHUTANAN

Ibu Pejabat Perhutanan Semenanjung Malaysia bertanggungjawab untuk menggubal dasar-dasar perhutanan, memberi nasihat dan khidmat teknikal kepada Jabatan-jabatan Perhutanan Negeri dalam aspek perancangan, pengurusan dan pembangunan hutan, industri hutan dan industri berasas kayu, kajian operasi hutan serta latihan dan pembangunan sumber manusia.

Di Ibu Pejabat Perhutanan terdapat dua (2) bahagian teknikal yang bertanggungjawab secara langsung kepada Ketua Pengarah Perhutanan. Setiap bahagian teknikal diketuai oleh Timbalan Ketua Pengarah Perhutanan. Tujuh (7) Unit bertanggungjawab secara langsung kepada Timbalan Ketua Pengarah (Operasi Hutan) dan enam (6) Unit bertanggungjawab secara langsung kepada Timbalan Ketua Pengarah (Perancangan dan Pembangunan Hutan).

Bahagian Operasi Hutan

Bahagian ini diketuai oleh Timbalan Ketua Pengarah Perhutanan (Operasi Hutan) yang bertanggungjawab dalam bidang pentadbiran dan kewangan, latihan dan pembangunan sumber manusia, pemantauan penguatkuasaan hutan, pembangunan industri berasas kayu, kejuruteraan hutan, isu perhutanan antarabangsa dan keurusetiaan serta Tugas-Tugas Khas dan Wilayah Persekutuan.

Bahagian Perancangan Dan Pembangunan Hutan

Bahagian ini diketuai oleh Timbalan Ketua Pengarah Perhutanan (Perancangan dan Pembangunan Hutan) yang bertanggungjawab dalam bidang silvikultur & perlindungan hutan, pembangunan ladang hutan, pengurusan sumber hutan, perancangan pembangunan sumber hutan, kajian ekonomi perhutanan dan pembangunan teknologi maklumat.

FUNCTION OF THE DEPARTMENT

The Forestry Department Peninsular Malaysia is responsible for the management, planning, protection and development of the Permanent Reserved Forest (PRF) in accordance with the National Forestry Policy (NFP) and the National Forestry Act (NFA).

FORESTRY DEPARTMENT HEADQUARTERS

The Forestry Department Headquarters is responsible for the formulation of forestry policies, providing technical advice and assistance to the State Forestry Departments with regard to forest planning, management and development, forest and wood-based industries, forest operational studies as well as training and human resource development.

The Forestry Department Headquarters has two (2) main technical divisions directly responsible to the Director General of Forestry. Each technical division is headed by the Deputy Director General of Forestry. Seven (7) Units are directly responsible to the Deputy Director General (Forest Operations) and six (6) Units are directly responsible to the Deputy Director General (Forest Planning & Development).

Forest Operations Division

The division is headed by the Deputy Director General of Forestry (Forest Operations) responsible for the administration and finance, training and manpower development, monitoring forest enforcement, development of wood-based industries, forest engineering and forestry international issues and secretarial and also Special Functions and Federal Territory.

Forest Planning And Development Division

The division is headed by the Deputy Director General of Forestry (Forest Planning and Development) responsible for silviculture & forest protection, forest plantation development, forest resource management, forest resource development planning, forestry economic studies and information technology development.

JABATAN PERHUTANAN NEGERI

Jabatan Perhutanan Negeri bertanggungjawab dalam pentadbiran dan pengawalan pengusahaan hutan, kutipan hasil hutan dan pembangunan sumber hutan negeri. Jabatan ini juga merancang dan menyelaraskan pembangunan industri berasas kayu. Jabatan Perhutanan Negeri dibahagikan kepada Bahagian Operasi Hutan dan Pembangunan Hutan serta disokong oleh Pejabat Hutan Daerah/Jajahan.

Bahagian Operasi Hutan

Bertanggungjawab terhadap pentadbiran, penguatkuasaan undang-undang hutan dan kutipan hasil hutan. Menyelaraskan dan berhubung dengan Ibu Pejabat Perhutanan, lain-lain Jabatan Negeri, Badan-badan dan Agensi Berkanun.

Bahagian Pembangunan Hutan

Bertanggungjawab merancang, melaksana dan memantau aktiviti-aktiviti pengurusan hutan dan silvikultur, penyediaan dan pelaksanaan Rancangan Pengurusan Hutan serta projek pembangunan hutan di peringkat negeri.

Pejabat Hutan Daerah/Jajahan

Bertanggungjawab berkaitan pentadbiran di peringkat daerah/jajahan, pengawalan pengusahaan hutan, kutipan hasil hutan dan penguatkuasaan undang-undang hutan di peringkat daerah. Pejabat ini juga bertanggungjawab melaksanakan aktiviti-aktiviti pengurusan dan silvikultur hutan.

STATE FORESTRY DEPARTMENTS

The State Forestry Department is responsible for the administration and regulation of forest harvesting, forest revenue collection and development of the state forest resources as well as to plan and coordinate the development of wood-based industries. The State Forestry Department is divided into Forest Operations and Forest Development Division and supported by the District Forest Office.

Forest Operations Division

Responsible for the administration, forest law enforcement and forest revenue collection. Co-ordinates and liaise with the Forestry Department Headquarters, other State Departments and Agencies.

Forest Development Division

Responsible in planning, implementation and monitoring for forest management and silvicultural activities, preparation and implementation of Forest Management Plans as well as undertakes the planning of the development projects in the state.

District Forest Office

Responsible for district level administration, regulation of forest harvesting, forest revenue collection and forest law enforcement. The office is also responsible for implementing forest management and silvicultural activities.

UNIT PENTADBIRAN DAN KEWANGAN

ADMINISTRATION AND FINANCE UNIT

Unit ini bertanggungjawab untuk memberi perkhidmatan pentadbiran, sokongan pengurusan, pengurusan sumber manusia, perjawatan, pengurusan kewangan dan pengurusan Pusat Sumber. Unit ini juga menguatkuasakan peraturan dan langkah-langkah keselamatan fizikal dan dokumen jabatan.

The Unit is responsible in providing administrative services, management support services, human resource management, staffing, financial management and Resource Centre management. The Unit also enforces various regulations and physical security measures on the department's documents.



Barisan belakang (kiri ke kanan)/ Back row (left to right)

Abd Latib bin Halidi, Rosli bin Paidi, Muhammad Sulaiman bin Abdullah, Abd Halim bin Yahya, Abdul Mutalib bin Hashim, Zainal bin Alias, Hairul bin Abd Hamid, Muin bin Lantang, Zulkifli bin Esa, Raja Jamaliah binti Raja Jamaludin, Suzana binti Mohamad Kabid, Che Norhariza binti Che Aziz, Norzehan binti Salehuddin, Norhafiza binti Mohd Sarif, Hazuwati binti Mohd Hashim, Husna binti Abd Rahman, Aniza binti Mohamed Saad, Suhana @ Noorhuda binti Suhaimi, Siti Noridah binti Esa

Barisan hadapan (kiri ke kanan)/ Front row (left to right)

Baieyah binti Mohd Said, Azlin binti Ahmad, Noorashidi bin Abd Razak, Mohd Ridza bin Awang, Wan Azwar Zaihan bin Wan Ahmad, Mohammad Zulkhairi bin Chin, Fuimie Chong, Siti Nor Ismat binti Ismail

Tiada dalam foto/ Not in the photograph

Mohd Noor bin Abd Rashid, Muhammad bin Hassan, Norhayati binti Muhamad, Masni binti Ismail, Asrul Nizal bin Ngah, Normah binti Mutalib, Nor Azlinda binti Adnan, Busra bin Ismail, Hamzah bin Ithnin, Mohd Izani bin Jaafar, Norashidi bin Abd Razak, Hamzah bin Pajar

UNIT LATIHAN PERHUTANAN

FORESTRY TRAINING UNIT

Unit ini bertanggungjawab untuk menyediakan latihan dalam perkhidmatan kepada pegawai dan kursus-kursus sijil renjer dan pengawas hutan serta kursus-kursus khas kepada sektor awam dan swasta. Unit ini juga mengendali peperiksaan Jabatan dan menyelaraskan latihan dengan agensi lain.

The Unit provides in-service training for the officers and certificate courses for rangers and foresters and other specialised courses for the public and private sectors. The Unit also handles departmental examination and co-ordinates training with other agencies.



Barisan belakang (kiri ke kanan)/ Back row (left to right)

Illias bin Awang, Zakaria bin Kamaruddin, Ismail bin Omar, Zulkifle bin Awang Nik, Abd Jamil bin Yusuf, Abdul Hamid bin Hamdzah, Rasli bin Che Hanafi, Ahmad Tarmizi bin Samsudin, Anuar bin Wok, Tawi bin Keling, Siti Rohana binti Baharuddin, Siti Norosseda binti Mohamad Rasidibhib, Kalsom binti Ibrahim, Wan Kalthum binti Wan Ismail, Norbadiah binti Abidin, Saimi Azrolina binti Othman, Zailan bin Mohamed Yusof

Barisan hadapan (kiri ke kanan)/ Front row (left to right)

Mohd Asri bin Yussof, Norddin bin Nor, Mohd. Zulhilmi bin Mohd Radzi, Mohd Yussainy bin Md Yusop, Yahya bin Muda, Zainal bin Jain, Abdullah Sani bin Shaffie, Rahimi bin Othman, Muhamad Azmi bin Ibrahim, Muhamad Azizun bin Jaafar, Mohd Ruba'ai bin Sarpin, Riano bin Janirin, Haffiz bin Baharuddin

Tiada dalam foto/ Not in the photograph

Noorazila binti Yatim, Asuadi bin Jamaludin, Mohd Nasir bin Mohd, Asma' binti Mohamed Zainudin, Norzilah binti Ishak

UNIT KEJURUTERAAN HUTAN

FOREST ENGINEERING UNIT

Unit ini bertanggungjawab untuk menyediakan khidmat nasihat teknikal dan bantuan di dalam urusan-urusan kejuruteraan hutan dan infrastruktur kepada Jabatan-jabatan Perhutanan Negeri. Unit ini juga menjalankan kajian operasi teknik-teknik membalak, merancang pembinaan jalan dan jambatan serta menyelia projek-projek dan kerja-kerja penyelenggaraan di peringkat Persekutuan.

The Unit is responsible for providing technical assistance and advice on forest engineering and infrastructures to the State Forestry Departments. The Unit also undertakes operational studies on logging techniques, design of logging roads and bridges as well as supervision of projects and maintenance work at Federal level.



Kiri ke kanan/ *Left to right*

Azura binti Marzuki, Mohd Rezuan bin Mamat @ Salim, R. Sundraraj, Abd Rashid bin Othman, Mohd Syahidan bin Anoor, Samsudin bin Mohmad, Nurmaliza binti Mohamad Azmi

Tiada dalam foto/ *Not in the photograph*

Suriya binti Yunus, Mokhtar bin Muhammad

UNIT PENGUATKUASAAN ENFORCEMENT UNIT

Unit ini bertanggungjawab menjalankan pemantauan aktiviti-aktiviti penguatkuasaan hutan di negeri-negeri, menjalankan semakan dan siasatan di negeri berkenaan bagi aduan yang diterima oleh Ibu Pejabat Perhutanan, menyediakan laporan aktiviti-aktiviti penguatkuasaan hutan dan menyelaraskan aktiviti Audit Dalaman MS ISO 9001: 2000.

The Unit is responsible in monitoring forest enforcement activities in the states, inspection and investigation of complaints received by Forestry Department Headquarters, preparing reports on forest enforcement activities, and coordinating MS ISO 9001 : 2000 Internal Auditing.



Dari kiri ke kanan/From left to right

Muhammad Ezhar bin Yusuf @ Antik, Jailani bin Omar, Mohd Nasir bin Abu Hassan, Zahari bin Ibrahim

UNIT KEMAJUAN PERINDUSTRIAN HUTAN

FOREST INDUSTRIAL DEVELOPMENT UNIT

Unit ini bertanggungjawab terhadap perkembangan dan kemajuan penggunaan kayu serta pembangunan industri berasas kayu. Menyediakan khidmat nasihat kepada industri dalam reka bentuk kilang, pemilihan jentera dan teknik memproses serta pengurusan perindustrian. Unit ini juga bertanggungjawab dalam menjalankan kajian yang berkaitan dengan pengusahaan hutan dan pemprosesan kayu balak di kilang.

The Unit is responsible for industrial extension and promotion of timber utilisation as well as the development of wood-based industries. Provides advice to the industries on mill lay-out, choice of equipment and processing techniques as well as industrial management. The Unit also undertakes studies on projects related to forest harvesting and timber processing in the mills.



Barisan belakang (kiri ke kanan)/Back row (left to right)

Rohaiza binti Mohd Dani, Zulazfar Husaini bin Abdullah Sani, Ahmad Hanafe bin Ahmad Kamali, Ismail bin Desa, Vijayan a/I Kanggaya, Adzis bin Mokhtar, Jamallullail bin Abd. Wahab, Mohamad Putra bin Bahdin, Razi bin Saad

Barisan hadapan (kiri ke kanan)/Front row (left to right)

Kamarulzaman bin Hussain, Ahmad Fikri bin Omar, Ir. Saiful Muzamir bin Ismail, Mohd Azmi bin Hashim

UNIT TUGAS-TUGAS KHAS DAN WILAYAH PERSEKUTUAN

SPECIAL FUNCTIONS AND FEDERAL TERRITORY UNIT

Unit ini bertanggungjawab menyebarkan maklumat perhutanan dan melindungi, mentadbir dan membangunkan HSK di Wilayah Persekutuan untuk tujuan rekreasi dan pembelajaran.

The Unit is responsible for the dissemination of information on forestry and the protection, administration and development of the PRF in the Federal Territory for recreational and educational purposes.



Barisan belakang (kiri ke kanan)/ *Back row (left to right)*

Norazman bin Harun, Mohd Rashid bin Ahmad, Mohd Sani bin Johar, Abdul Ghabir Albana bin Abu Hassan, Zunaidi bin Awang @ Said, Ahmad Mohammed bin Ghazali, Mohd Tajuddin bin Mat Yusof, Mohd Shahrani bin Mohd Saman

Barisan hadapan (kiri ke kanan)/ *Front row (left to right)*

Norzie Yanti binti Mohamed Tazali, Borhanudin bin Arshad, Zahriah binti Anis

Tiada dalam foto/ *Not in the photograph*

Norwati binti Sidek, Mohd. Firdaus bin Sidek, Abdul Rahim bin Talib

UNIT ANTARABANGSA DAN KEURUSETIAAN

INTERNATIONAL AND SECRETARIAT UNIT

Unit ini bertanggungjawab dalam isu-isu perhutanan antarabangsa dan keurusetiaan serta memupuk hubungan dan kerjasama yang baik dalam bidang perhutanan di peringkat antarabangsa dan serantau.

The Unit is responsible for international forestry issues and secretariat as well as promoting good relationship and cooperation in the field of forestry at international and regional levels.



Kiri ke kanan/ *Left to right*

Mohd Yusoff bin Baharom, Dr. Mohd Yunus bin Zakaria, Wan Rohafza binti Ahmad, Nazir Khan bin Nizam Khan

UNIT SILVIKULTUR DAN PERLINDUNGAN HUTAN

SILVICULTURE AND FOREST PROTECTION UNIT

Unit ini bertanggungjawab melaksana dan menyelaraskan aktiviti-aktiviti silvikultur, pemuliharaan, rekreasi dan perhutanan masyarakat. Unit ini juga memberi nasihat teknikal kepada Jabatan-jabatan Perhutanan Negeri, lain-lain agensi dan institusi yang memerlukan.

The Unit is responsible to undertakes silviculture, conservation, recreation and community forestry activities. The Unit also provides technical advice to the State Forestry Departments, other agencies and institutions that require assistance.



Barisan belakang (kiri ke kanan)/Back row (left to right)

Nor Hafizah binti Mustafa, Kamal bin Sadin, Mohd Farez Firdaus bin Ahmad, Rohaizam bin Mohamad, Abdul Razak bin Abdul Rahim, Abdul Rahim bin Omar

Barisan hadapan (kiri ke kanan)/Front row (left to right)

Zainuddin bin Jamalludin, Koh Hock Lye, Shashiah binti Abdul Karim

Tiada dalam foto/Not in the photograph

Aznizan bin Abdul Ghani

UNIT LADANG HUTAN

FOREST PLANTATION UNIT

Unit ini bertanggungjawab melaksana dan menyelaraskan pembangunan dan pengurusan ladang hutan. Unit ini juga bertanggungjawab memberi khidmat nasihat teknikal berkaitan hal ehwal pembangunan ladang hutan dan hutan tani kepada Jabatan-jabatan Perhutanan Negeri, masyarakat setempat dan pihak swasta.

The Unit is responsible to implement and co-ordinate forest plantation development and management. The Unit is also responsible to provide technical advice pertaining to the development of forest plantation and agro-forestry to the State Forestry Departments, local communities and private sectors.



Barisan belakang (kiri ke kanan)/ Back row (left to right)

Sanja a/p Boon Kong, Shamsuri bin Mohamad, Mohd Noor bin Hamid, Mohd Noor bin Mohamad, Mohd Nazri bin Abd Rahman, Suhaadi bin Omar, Asaruddin bin Md Adiff, Ridzuan bin Shar, Sabaruddin bin Mohd Baki, A. Ghani bin M. Noh, Mohamad bin Hashim, Zaini bin Mohamad, Nasir bin Abd Latif, Rodhi bin Abd Razak, Noryuzieana binti Mohd Yusof

Barisan hadapan (kiri ke kanan)/ Front row (left to right)

Azlan bin Abd Aziz, Rajihan bin Abd Rahim, Samsuddin bin Sueet, Ramlay @ Ramly bin Ali, Zulkefli bin Mokhtar, Kamaruzaman bin Ali Budin, Rusli bin Tahir, Noradli @ Mohd Adli bin Parsada, Azmi bin Mohd Zain, Suhaidi bin Sinin

Tiada dalam foto/ Not in the photograph

Cik Norhalizah binti Abd Halim, Siti Aishah binti Abd. Wahab, Mazuraa binti Marzuki, Nor Izianti binti Ishak, Muhammad Rizal Abdul Rahim, Anuar Zainuddin, Basri bin Abdul Wahid, Rosmawati binti Ismail, Abdul Jalil bin Ahmad Tabon, Datin Rosni binti Maidin, Zulkifli bin Mat Mahidin, Rosli bin Abu Yusuf, Mohd Foad bin Che Mee, Zulkifli bin Abd Halim, Nor Musuhaili binti Mahamed, Siti Norzila binti Khairi, Azmi bin Masro, Yusri bin Yusof, Mohd Salleh bin Nordin, Sukri bin Yahya

UNIT PENGURUSAN HUTAN

FOREST MANAGEMENT UNIT

Unit ini bertanggungjawab untuk menjalankan aktiviti inventori dan perancangan serta penyelarasan pengurusan sumber hutan asli. Unit ini juga menyediakan perkhidmatan dan nasihat teknikal kepada Jabatan-Jabatan Perhutanan Negeri dalam segala bidang pengurusan hutan untuk memastikan sumber hutan diurus secara berkekalan.

The Unit undertakes forest resource inventory and planning as well as co-ordinates forest resource management of natural forest. The Unit also provides services and technical advice to the State Forestry Departments in all aspects of forest management so as to ensure the forest resources are sustainably managed.



Barisan belakang (kiri ke kanan)/ Back row (left to right)

Zulkiflee bin Ayob, Donald Gabriel Guakin, Gerald Trabucon, Rossnaldi bin Abidin, Zikril Hakim bin Johari, Abdul Kadir bin Uda Umor, Ramlan bin Abu Sien, Anuar bin Mohd Talib, Ahmad Shahril bin Samat, Mohd Syarie bin Mohd Yusoff, Mohd Fadli Azaha bin Omar, Eric Lim Chong Ping, Azmi bin Othman, Saifulmelee bin Guna, Tokimun bin Sadin, Zakaria bin Othman

Barisan hadapan (kiri ke kanan)/ Front row (left to right)

Md Nurrahiem bin Md Ali, Shohaimi bin Sani, D.Zulkifli bin Tukiman, Mat Salim bin Samsuddin, Dr Mohd Hizamri bin Mohd Yasin, Nik Mohd Shah bin Nik Mustafa, Shahrulnizam bin Kasmani, Norziatul Shima binti Mohd Sarit, Nur Shamsuhaya binti Mohd Rofaii, Rosaizan Haryani binti Rosli, Suhana binti Bidin @ Zainal Abidin

Tiada dalam foto/ Not in the photograph

Azmi bin Abd Rahman, Zamri bin Mohd Talib, Mohd Sofian bin Anuar, Mohd Zikri bin Che Wel, Abd Razak bin Ariffin, Azmi bin Othman, Mohd Azhar bin Ahmad

UNIT PERANCANGAN HUTAN

FOREST PLANNING UNIT

Unit ini bertanggungjawab menyelaras dan melaksanakan perancangan sumber hutan sejajar dengan DPN dan Strategi-Strategi Pembangunan Hutan. Unit ini juga menyelaras, menyelia, menilai dan memantau pelaksanaan projek-projek pembangunan hutan.

The Unit is responsible for the implementation and co-ordination of forest resource planning in line with the NFP and the Strategies for Forest Development. The Unit also co-ordinates, supervises, evaluates and monitors the implementation of forest development projects.



Barisan belakang (kiri ke kanan)/Back row (left to right)

Norhanizan binti Hassan, Kholizan binti Jamaludin, Zurina binti Jusoh, Shaharom Najim bin Ishak, Tengku Mazuki bin Tengku Majid, Tharmizie bin Sagiran, Asmadi bin Mohd

Barisan hadapan (kiri ke kanan) Front row (left to right)

Nur Najwa Dina Anak Abong, Ku Azmi bin Ku Aman, Chin Yue Mun, Lim Kee Leng, Aldrich Richard

Tiada dalam foto/Not in the photograph

Suhaime bin Ibrahim, Hamzan bin Mat Husin, Mohd Puat bin Dahalan

UNIT EKONOMI HUTAN

FOREST ECONOMICS UNIT

Unit ini bertanggungjawab untuk melaksanakan dan menyelaraskan kajian-kajian ekonomi bagi tujuan meningkatkan operasi dan kecekapan penggunaan sumber dalam sektor perhutanan. Unit ini juga mengumpul dan menganalisa statistik perhutanan, memberi khidmat nasihat dan membantu dalam hal-hal yang berkaitan dengan ekonomi hutan.

The Unit is responsible for implementing and co-ordinating economic studies aimed at increasing operational and efficient resource utilization in the forestry sector. The Unit also collects and analyses forestry statistics, provides advisory services and assistance on forest economic matters.



Barisan belakang (kiri ke kanan)/ Back row (left to right)

Mohd Hakimi bin Mohd Hanapi, Mior Kamarudzaman bin Urus, Mohd Suhaizi bin Kadir, Norman Lizam bin Sulaiman, Mohd Syaui bin Mohd Sidek, Wan Zulkifli bin Wan Alim, Mohd Thajirine bin Sukri, Amir Hafidz bin Mohd Taha, Mahad bin Talib, Mohd Azlan Shah bin Mohd Wali, Azman bin Reseh @ Yaacob, Mariyatun binti Jenal, Asmas binti Salleh

Barisan hadapan (kiri ke kanan)/ Front row (left to right)

Teddy Sius @ Lawrencius, Zulnaidah binti Manan, Saharudin bin Ahmad, Chin Yue Mun, Poh Lye Yong, Tuan Marina binti Tuan Ibrahim, Komathi a/p Subramaniam

Tiada dalam foto/ Not in the photograph

Mohd Yusrizal bin Hassim

UNIT TEKNOLOGI MAKLUMAT

INFORMATION TECHNOLOGY UNIT

Unit ini bertanggungjawab memberi bantuan teknikal mengenai pengurusan dan penggunaan komputer serta aplikasi yang berkaitan di samping mengawalselia pengumpulan, pengurusan, penganalisaan dan penyebaran maklumat-maklumat Sistem Maklumat Perhutanan Negara.

The Unit is responsible in giving technical assistance on the management and usage of computer as well as related applications in addition to the monitoring, collection, management analysis and dissemination of information under the National Forestry Information System.



Barisan belakang (kiri ke kanan)/ *Back row (left to right)*

Noorazilawati binti Mostapa, Norizah binti Mat Ghani, Nornazeta binti Omar, Salmiah binti Osman, Wan Ahmad Zaky bin Abd Halim, Supian bin Ismail, Wahab bin Mohd Zin, Che Razali bin Che Adam, Abd Wahid bin Md Saleh, Mohamad Nazri bin Arifin, Abdul Hafidz bin Malek Fauzie, Erni Marlina binti Mohamed Roslan, Zuraina binti Daud, Noor Haini binti Abdullah, Puteri Arlydia binti Abdul, Noriswani binti Za'aldin

Barisan hadapan (kiri ke kanan)/ *Front row (left to right)*

Ibrahim bin Kayat, Masuri bin Abd Manan, Khairuddin bin Mohamad Mor, Saleh bin Awaludin, Azuan bin Sukri

PETUNJUK PRESTASI UTAMA JABATAN PERHUTANAN SEMENANJUNG MALAYSIA

Perkara	Pencapaian 2007
I. PENTADBIRAN DAN KEWANGAN	
A. SUMBER TENAGA MANUSIA (BILANGAN)	
Kumpulan Pengurusan Tertinggi	3
Kumpulan Pengurusan dan Profesional	180
Kumpulan Sokongan	5,304
Jumlah	5,487
B. PERBELANJAAN (RM)	
Perbelanjaan Mengurus	141,322,670
Perbelanjaan Pembangunan	69,964,419
C. KUTIPAN HASIL (RM)	
Royalti	83,268,515
Ses	41,142,774
Premium	155,243,503
Lain-lain	34,786,303
Jumlah	314,441,095
II. BAHAGIAN OPERASI HUTAN	
A. AKTIVITI PENGURUSAN SUMBER HUTAN	
i. Keluasan HSK (ha)	4,695,630
ii. Pewartaan HSK (ha)	38,770
iii. Diwarta Keluar Daripada HSK Dalam Tahun Semasa (ha)	3,918
iv. Pengurusan Sumber Hutan	
• Menyukat Dan Mencuci Sempadan (km)	
- Sempadan Baru	39
- Sempadan Lama	2,380
• Inventori Sebelum Tebangan (ha)	34,385
• Menanda Pokok (ha)	344,473
• Keluasan Tahunan HSK Dibuka Untuk Pengusahaan Di Bawah CTT (ha)	29,621
B. PEMBANGUNAN TENAGA MANUSIA	
• Kursus Dan Latihan (bilangan)	87
• Kursus Sijil Perhutanan (bilangan peserta)	
- Pengawas Hutan	56
- Renjer Hutan	17
• Kursus Pembalakan dan Pengusahaan kepada Pihak Swasta (bilangan peserta)	126

PETUNJUK PRESTASI UTAMA JABATAN PERHUTANAN SEMENANJUNG MALAYSIA

Perkara	Pencapaian 2007
C. PUBLISITI DAN PENGEMBANGAN MAKLUMAT PERHUTANAN • Penerbitan Risalah (bil) • Pameran (bil)	15,000 11
III. BAHAGIAN PERANCANGAN DAN PEMBANGUNAN HUTAN	
A. PEMBANGUNAN SUMBER HUTAN i. Pemeliharaan dan Pemuliharaan Sumber Hutan (ha) • Inventori Selepas Tebangan • Rawatan CL ii. Pembangunan Sumber Hutan (ha) • Pemulihan Hutan * • Tanaman Rotan • Tapak Semaian Sedia Ada (bil. tapak) iii. Perhutanan Masyarakat • Penyelenggaraan Hutan Lipur Sedia Ada (bil) • Hutan Perkampungan (ha) • Hutan Bandar (bil. pokok) • Tanaman Di Lebuh raya (km) • Tanaman Pokok Ubatan (ha)	14,290 11,809 2,958 205 13 21 50 38,510 5 36
B. PEMELIHARAAN DAN PEMULIHAN ALAM SEKITAR • Tanaman Pokok Bakau Dan Spesies-Spesies Yang Sesuai Di Pesisiran Pantai (ha)	178

* Tanaman Mengaya, Ladang Hutan dan Tanaman Kawasan Lapang

KEY PERFORMANCE INDICATORS OF THE FORESTRY DEPARTMENT PENINSULAR MALAYSIA

Items	Achievement 2007
I. ADMINISTRATION AND FINANCE	
A. MANPOWER RESOURCES (NO.)	
Higher Managerial Group	3
Managerial And Professional Group	180
Supporting Group	5,304
Total	5,487
B. EXPENDITURE (RM)	
Operating Expenditure	141,322,670
Development Expenditure	69,964,419
C. REVENUE (RM)	
Royalty	83,268,515
Cess	41,142,774
Premium	155,243,503
Others	34,786,303
Total	314,441,095
II. FOREST OPERATIONS DIVISION	
A. FOREST RESOURCE MANAGEMENT ACTIVITIES	
i. PRF (ha)	4,695,630
ii. Gazettement Of PRF (ha)	38,770
iii. Excised From PRF During The Year (ha)	3,918
iv. Management Of Forest Resources	
• Survey / maintenance Of Boundary (km)	
- New Boundary	39
- Old Boundary	2,380
• Pre Felling Inventory (ha)	34,385
• Tree Marking (ha)	344,473
• Total Area Of PRF Opened For Harvesting Under AAC (ha)	29,621
B. MANPOWER DEVELOPMENT	
• Courses And Training (no. of Courses)	87
• Certificate Course In Forestry (no. of participants)	
- Forester	56
- Ranger	17
• Logging And Harvesting Course To Private Sector (no. of participants)	126

KEY PERFORMANCE INDICATORS OF THE FORESTRY DEPARTMENT PENINSULAR MALAYSIA

Items	Achievement 2007
C. PUBLICITY AND DISSEMINATION OF INFORMATION ON FORESTRY	
• Pamphlets Published (pieces)	15,000
• Exhibitions (no.)	11
III. FORESTRY PLANNING AND DEVELOPMENT DIVISION	
A. FOREST RESOURCE DEVELOPMENT	
i. Forest Conservation And Rehabilitation (ha)	
• Post Felling Inventory	14,290
• CL Treatment	11,809
ii. Forest Resource Development (ha)	
• Forest Rehabilitation*	2,958
• Planting Of Rattan	205
• Nursery Area Established (no of sites)	13
iii. Social Forestry	
• Forest Recreational Area Established (no.)	21
• Community Forest (ha)	50
• Urban Forest (no. of trees)	38,510
• Highway Planting (km)	5
• Planting Of Medicinal Plant (ha)	36
B. ENVIRONMENTAL CONSERVATION AND REHABILITATION	
• Planting With Mangroves And Other Suitable Tree Species Along The National Costline(ha)	178

* Enrichment Planting, Forest Plantation and Open Space Planting

PERUNTUKAN PERLEMBAGAAN, DASAR DAN UNDANG-UNDANG *CONSTITUTIONAL PROVISIONS, POLICY AND LEGISLATIONS*

I. PERUNTUKAN PERLEMBANGAAN

Di bawah Perkara 74(2) Perlembagaan Malaysia, perhutanan adalah di bawah kuasa Kerajaan Negeri. Oleh yang demikian, setiap negeri berkuasa menggubal undang-undang di sektor perhutanan dan dasar perhutanan tersendiri. Pihak berkuasa Persekutuan hanya memberi nasihat dan bantuan teknikal kepada negeri, penyelenggaraan stesen-stesen percubaan dan demonstrasi, latihan dan penyelidikan.

Bagi memudahkan penyelarasan dan penyeragaman dalam bidang perhutanan, Majlis Perhutanan Negara (MPN) telah ditubuhkan pada 20 Disember 1971 oleh Majlis Tanah Negara. Majlis Tanah Negara (MTN) diberi kuasa di bawah perlembagaan Malaysia untuk menggubal dasar kebangsaan bagi memajukan dan mengawal penggunaan tanah untuk perlombongan, pertanian dan perhutanan. MPN merupakan forum antara Kerajaan Persekutuan dan Negeri bagi membincangkan masalah dan isu berhubung dengan dasar perhutanan, pentadbiran dan pengurusan. Semua keputusan MPN perlulah disahkan oleh MTN. Tanggungjawab untuk melaksanakan keputusan MPN adalah menjadi tugas Kerajaan-kerajaan Negeri kecuali jika ianya di bawah bidang kuasa Kerajaan Persekutuan.

II. DASAR DAN PERUNDANGAN

Pada tahun 1977, Dasar Perhutanan Negara telah diluluskan oleh MPN dan kemudian disahkan oleh MTN pada 19 April, 1978. Dasar tersebut telah dikaji semula pada 10 November, 1992

I. CONSTITUTIONAL PROVISIONS

Under Article 74(2) of the Malaysian Constitution, forestry comes under the jurisdiction of the respective State Governments. As such, each state is empowered to enact laws on forestry and to formulate forest policy independently. The executive authority of the Federal Government only extends to the provision of advice and technical assistance to the states, the maintenance of experimental and demonstration stations, training and research.

In order to facilitate the adoption of a coordinated and common approach to forestry, the National Forestry Council (NFC) was established on 20th December, 1971 by the National Land Council. The National Land Council (NLC) is empowered under the Malaysian Constitution to formulate a national policy for the promotion and control of the utilization of land for mining, agriculture and forestry. The NFC serves as a forum for the Federal and the State Governments to discuss and resolve common problems and issues relating to forestry policy, administration and management. All the decisions of the NFC have to be endorsed by the NLC. The responsibility for implementing the decisions of the NFC lies with the State Governments unless it is within the authority of the Federal Government.

II. POLICY AND LEGISLATIONS

In 1977, the National Forestry Policy was approved by the NFC and later endorsed by the NLC on 19th April, 1978. This Policy was revised on 10 November, 1992 to take cognizance of the

atas kesedaran yang ditunjukkan oleh masyarakat dunia terhadap kepentingan pemeliharaan kepelbagaian biologi dan penggunaan sumber genetik secara berkekalan serta peranan masyarakat dalam pembangunan perhutanan. Penerimaan dasar tersebut merupakan suatu kejayaan memperkukuhkan asas perlembagaan dan mengeratkan kerjasama dan persefahaman di antara Kerajaan Persekutuan dan Kerajaan Negeri dalam pembangunan sektor perhutanan.

Selain dari Akta Perhutanan Negara 1984 (Pindaan 1993) dan Akta Industri Berasas Kayu 1984 terdapat juga undang-undang lain yang penting dan ada kaitan dengan sektor perhutanan seperti:

- Kanun Tanah Negara 1965;
- Kanun Keseksaan (FMS Cap.45), 1948 [Pindaan 1993];
- Kanun Acara Jenayah (FMS Cap.6), 1903 [Pindaan 1995];
- Akta Keterangan 1950 [Pindaan 1993];
- Akta Prosedur Kewangan 1967 [Pindaan 1993];
- Enakmen Bekalan Air 1935;
- Akta Perlindungan Tanah 1960;
- Akta Perlindungan Hidupan Liar 1972 [Pindaan 1976 & 1988];
- Akta Lembaga Perindustrian Kayu Malaysia 1973;
- Akta Kualiti Alam Sekeliling 1974 [Pindaan 1995];
- Akta Taman Negara 1980 [Pindaan 1983];
- Akta Lembaga Penyelidikan dan Pembangunan Hutan Malaysia 1985;
- Enakmen Perlombongan 1926;
- Akta Kerajaan Tempatan 1976.

concern expressed by the world community on the importance of biological diversity conservation and the sustainable utilization of genetic resources, as well as the role of local communities in forest development. The acceptance of the Policy is a major breakthrough in strengthening the institutional base and enhances the co-operation and understanding between the Federal and State Governments in the field of forestry sector development.

Other legislation which are considered of major importance to the forestry sector apart from the National Forestry Act, 1984 [Amendment 1993] and the Wood-based Industries Act, 1984 are as follows:

- *National Land Code 1965;*
- *Penal Code [FMS Cap.45], 1948 [Amendment 1993];*
- *Criminal Procedure Code [FMS Cap.6] 1903 [Amendment 1995];*
- *Evidence Act 1950 [Amendment 1993];*
- *Financial Procedure Act 1967 [Amendment 1993];*
- *Water Enactment 1935;*
- *Land Conservation Act 1960;*
- *Protection Of Wildlife Act 1972 [Amendment 1976 & 1988];*
- *Malaysian Timber Industry Board Act 1973;*
- *Environmental Quality Act 1974 [Amendment 1995];*
- *National Park Act 1980 [Amendment 1983];*
- *Malaysian Forestry Research and Development Board Act 1985;*
- *Mining Enactment 1926;*
- *Local Government Act 1976.*

KEMAJUAN DALAM TAHUN 2007

YEAR UNDER REVIEW 2007

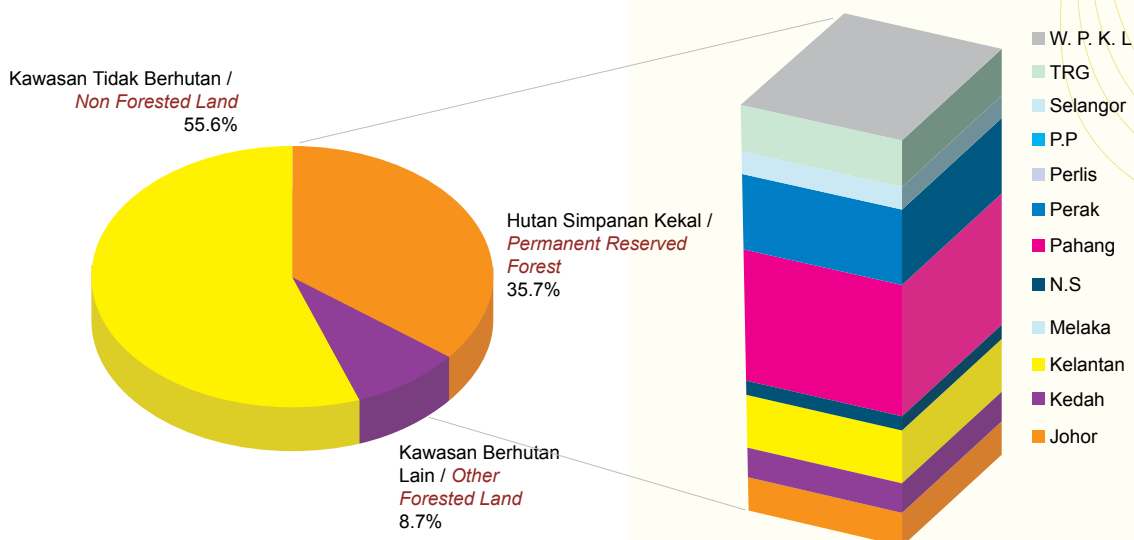
I. SUMBER HUTAN

Pada akhir tahun 2007, kawasan berhutan merangkumi 5.84 juta hektar atau 44.4% dari keseluruhan 13.16 juta hektar muka bumi Semenanjung Malaysia. Daripada jumlah ini, seluas 4.70 juta hektar atau 80.5% telah dijadikan sebagai HSK yang diwartakan di bawah Akta Perhutanan Negara, 1984. HSK ini diuruskan di bawah prinsip pengurusan hutan secara berkekalan untuk tujuan memaksimumkan kepentingan ekonomi, sosial dan alam sekitar.

I. FOREST RESOURCES

At the end of 2007, forested land accounts for 5.84 million ha or 44.4% of Peninsular Malaysia's total land area of 13.16 million ha. Of this total, 4.70 million ha or 80.5% are designated as PRFs, gazetted under the National Forestry Act, 1984. These PRFs are managed under sustainable forest management principles for maximum economic, social and environmental benefits.

Kawasan Berhutan Dan Tidak Berhutan Di Semenanjung Malaysia, 2007
Forested And Non-forested Land In Peninsular Malaysia, 2007



II. PENGURUSAN SUMBER HUTAN

Sumber hutan asli di Semenanjung Malaysia terdiri daripada tiga jenis hutan utama iaitu Hutan Darat, Hutan Paya Gambut dan Hutan Paya Laut. Pengurusan hutan secara sistematik telah bermula sejak lebih dari 106 tahun dahulu.

Kriteria dan Petunjuk Malaysia merupakan satu piawaian untuk pensijilan pengurusan hutan yang berasaskan Kriteria dan Petunjuk ITTO [MC&I (2001)] dan kemudiannya Prinsip dan Kriteria Forest Stewardship Council [MC&I (2002)] akan terus menjadi asas kepada pengurusan hutan secara berkekalan. Pada akhir tahun 2007, terdapat lapan buah negeri di Semenanjung Malaysia yang meliputi kawasan HSK seluas 4.67 juta hektar telah dinilai dan dianugerahkan Sijil Pengurusan Hutan di bawah MC&I (2001). Di samping itu, dua buah negeri iaitu Negeri Sembilan dan Pahang telah mendapat Sijil Pengurusan Hutan di bawah MC&I (2002).

III. PEMBANGUNAN SUMBER HUTAN

Usaha-usaha terus diperhebatkan untuk memastikan sumber hutan terus terpelihara dan fungsinya dalam pengeluaran barangan dan perkhidmatan hutan dapat dikekalkan.

Sehubungan dengan ini, peruntukan kewangan daripada belanjawan Persekutuan dan Negeri telah dilulus dan dibelanjakan bagi membiayai pelaksanaan program-program pembangunan hutan.

II. FOREST RESOURCE MANAGEMENT

The natural forests of Peninsular Malaysia are classified into three forest types, namely the Dry Inland Forest, Peat Swamp Forest and Mangrove Forest. Systematic forest management began more than 106 years ago.

The Malaysian Criteria and Indicators which are standards for forest management certification and based on the ITTO Criteria and Indicators [MC&I (2001)] and the Forest Stewardship Council's Principles and Criteria [MC&I (2002)] will continue to be the basis for sustainable forest management. At the end of 2007, eight states in Peninsular Malaysia covering an area of 4.67 million hectares have been assessed and awarded Forest Management Certificate under MC&I (2001). In addition, two states namely Negeri Sembilan and Pahang were also awarded Forest Management Certificate under MC&I (2002).

III. FOREST RESOURCE DEVELOPMENT

Concerted efforts continued to be intensified to ensure that the forest resources are conserved and their functions in the production of forest goods and services are sustained.

In this regard, allocations from Federal and State have been approved and spent to finance the implementation of forest development programmes.

Peruntukan kewangan ini adalah terdiri daripada peruntukan Pembangunan Tahunan Persekutuan dan Negeri, Tabung Kumpulan Wang Pembangunan Hutan Negeri (KWPH), Peruntukan Wang Levi Eksport Kayu Kayan dan dari sumber-sumber lain. Dalam tahun 2007, sejumlah RM75 juta atau 93.3% daripada peruntukan tahunan telah dibelanjakan. JPSM telah melaksanakan sejumlah 11 buah program pembangunan yang mengandungi 108 projek di peringkat persekutuan dan negeri sepertimana yang dirancang di bawah Rancangan Malaysia Kesembilan (2006-2010) seperti berikut :

- i. Pengurusan Sumber Hutan
- ii. Penilaian Sumber Hutan
- iii. Pembangunan Sumber Hutan
- iv. Pembangunan Hutan Ladang
- v. Sumber Bukan Kayu
- vi. Perhutanan-tani
- vii. Pemeliharaan dan Perlindungan
- viii. Ekopelancongan dan Hutan Rekreasi
- ix. IT dan K-Perhutanan
- x. Pembangunan Sumber Manusia
- xi. Infrastruktur dan Kemudahan

These financial allocations comprised of Federal and States' Annual Development Budget, State Forest Development Fund (cess), Timber Export Levy Fund and other sources. For the year 2007, a total of RM75 million representing 93.3% of the annual allocation was spent. A total of 11 development programmes comprising 108 projects at the federal and state levels were implemented by the FDPM as planned under the Ninth Malaysia Plan (2006-2010) as follows:

- i. Forest Resource Management*
- ii. Forest Resource Valuation*
- iii. Forest Resource Development*
- iv. Forest Plantation Development*
- v. Non-Wood Resources*
- vi. Agro-forestry*
- vii. Conservation and Protection*
- viii. Eco-tourism and Forest Recreation*
- ix. IT and K-Forestry*
- x. Human Resource Development*
- xi. Infrastructure and Facilities.*

Peruntukan dan Perbelanjaan Pembangunan Hutan, 2007
Forest Development Allocation and Expenditure, 2007
(RM juta / million)

PERSEKUTUAN / NEGERI <i>Federal/State</i>	PERUNTUKAN <i>Allocation</i>	PERBELANJAAN <i>Expenditure</i>	PERATUS <i>Percent (%)</i>
PERSEKUTUAN / <i>Federal</i>	19.17	18.32	95.6
NEGERI / <i>State</i>	55.83	51.64	92.5
JUMLAH / <i>Total</i>	75.00	69.96	93.3

IV. PEMULIHARAAN HUTAN & PERLINDUNGAN ALAM SEKITAR

Pemuliharaan hutan dan kepentingannya kepada perlindungan alam sekitar tetap merupakan agenda utama JPSM dalam tahun 2007. Pelbagai aktiviti dan program telah dijalankan sepanjang tahun demi memantapkan fungsi dan peranan Jabatan dalam aspek ini.

IV. FOREST CONSERVATION & ENVIRONMENTAL PROTECTION

Forest conservation and its importance to environmental protection remains an important agenda of FDPM in 2007. Numerous activities and programmes were carried out to strengthen the roles and functions of the Department in this aspect.

Ekoran daripada peristiwa Tsunami pada tahun 2004, kesedaran tentang pentingnya Hutan Paya Bakau dalam memainkan peranan sebagai benteng untuk memecah, menahan dan mengurangkan daya kekuatan pukulan ombak daripada laut. Selaras dengan itu, satu Pasukan Petugas Khas Jawatankuasa Operasi Menanam Pokok Bakau dan Spesies-Spesies Yang Sesuai Di Pesisiran Pantai Negara telah ditubuhkan bertempat di Kampung Baru Pulau Sayak Kota Kuala Muda, Kedah pada 02 Februari 2007, Program Pelancaran Penanaman Pokok Bakau dan Lain-Lain Spesies Yang Sesuai Di Pesisiran Pantai Negara telah diadakan dan dirasmikan oleh Y.A.B Perdana Menteri Malaysia.

Persidangan Gaharu Kebangsaan 2007 pula telah diadakan pada 11 September 2007 bagi memastikan gaharu sebagai sumber kepelbagaian biologi hutan terus terpelihara dan industri gaharu semakin berkembang, manakala pada 15-18 Disember 2007, Seminar On Economic Valuation Of Forest Goods And Services 2007 bagi membincangkan penilaian ke atas keluaran dan perkhidmatan hutan utama seperti kayu balak, rotan, buluh, tumbuhan perubatan dan perkhidmatan hutan seperti hutan rekreasi, eko-pelancongan, sumber air dan udara bersih untuk tujuan penaksiran telah diadakan.

Ekspedisi Saintifik Kepelbagaian Biologi Hutan

Bagi menambahbaik dan meningkatkan asas pengetahuan saintifik dan dokumentasi tentang komposisi flora dan fauna, JPSM telah menjalankan tiga (3) siri ekspedisi saintifik dalam tahun 2007 di kawasan-kawasan seperti berikut :

- (i) Cameron Highlands, Pahang
(20 - 25 Mei 2007);
- (ii) Royal Belum II, Perak
(18-23 Jun 2007); dan
- (iii) Gunung Angsi, Kuala Pilah, N. Sembilan
(2 - 6 Julai 2007).

Ekspedisi-ekspedisi ini telah dianjurkan dengan penyertaan dari Universiti Putra Malaysia (UPM), Universiti Kebangsaan Malaysia (UKM), Universiti Sains Malaysia (USM), Institut Penyelidikan Perhutanan Malaysia (FRIM), Institut Penyelidikan Perubatan (IMR), Persatuan Pencinta Alam Malaysia (MNS), World Wide Fund for Nature (WWF) dan lain-lain agensi kerajaan serta bukan kerajaan.

Following the Tsunami disaster in 2004, there was the realization on the importance of Mangrove Forests as a buffer to break, stop and reduce the force of the sea. In line with this, a Special Task Force on the Planting Programme with Mangroves and Other Suitable Tree Species Along the National Coastline was established at Kampung Baru Pulau Sayak, Kota Kuala Muda, Kedah on 2 February 2007. The Planting of Mangroves and Other Suitable Tree Species along the National Coastline was launched by the Honorable Prime Minister of Malaysia.

The National Gaharu Conference 2007 was organised on 11 September 2007 to ensure agawood as a source of forest biodiversity will continue to be conserved and the agawood industries continued to be developed. On 15 - 18 December 2007, Seminar on Economic Valuation on Forest Goods and Services was held to discuss the economic valuation on forest goods and services such as log, rattan, bamboo, medicinal and forest services such as recreational forest, eco-tourism, water resource and clean air.

Forest Biological Diversity Scientific Expeditions

During the year, the Department continued to improve and enhance its scientific knowledge base and documentation of the floral and fauna composition. The FDPM conducted three (3) scientific expeditions in 2007 in the following areas:

- (i) Cameron Highlands, Pahang
(20 - 25 May 2007);*
- (ii) Royal Belum II, Perak.
(18-23 June 2007); and*
- (iii) Gunung Angsi, Kuala Pilah, N. Sembilan
(2 - 6 July 2007).*

These expeditions were organized with participation from Universiti Putra Malaysia (UPM), Universiti Kebangsaan Malaysia (UKM), Universiti Sains Malaysia (USM), Forest Research Institute of Malaysia (FRIM), Institute of Medical Research (IMR), Malaysian Nature Society (MNS), World Wide Fund for Nature (WWF) and other government and non-governmental agencies.

JPSM juga telah menganjurkan beberapa seminar sebagai usaha untuk menyampaikan keputusan dan penemuan hasil daripada ekspedisi yang telah diadakan. Sehingga kini sebanyak empat belas (14) siri seminar telah dianjurkan termasuk tiga (3) seminar pada tahun 2007, iaitu Seminar Ekspedisi Saintifik Kepelbagaian Biologi Hutan Bukit Bauk, Terengganu pada 6 – 7 Ogos 2007, Seminar Ekspedisi Saintifik Kepelbagaian Biologi Hutan Gunung Panti, Johor pada 3 – 4 Disember 2007 dan Seminar Ekspedisi Saintifik Kepelbagaian Biologi Hutan, Hutan Simpan Bintang Hijau, Perak pada 10 – 11 Disember 2007. Rumusan seminar-seminar tersebut sedang didokumentasikan dalam bentuk buku prosiding. Sehingga penghujung 2007, sebanyak sepuluh (10) Prosiding Seminar Ekspedisi Saintifik Kepelbagaian Biologi telah berjaya diterbitkan.

V. PENGUSAHASILAN HUTAN

Kawasan Dibuka Untuk Pengusahaan

Dalam tahun 2007, kawasan HSK seluas 29,621 hektar telah diusahakan di bawah prinsip pengurusan hutan secara berkekalan. Kawasan ini merupakan 80.0% daripada Catuan Tebangan Tahunan yang ditetapkan iaitu 36,955 hektar. Selain daripada itu, Hutan Tanah Kerajaan seluas 30,552 hektar dan Hutan Tanah Bermilik seluas 22,492 hektar turut diusahakan.

FDPM also organized several seminars in its efforts to disseminate information from the findings of the expeditions. To date, a series of fourteen (14) seminars had been organized including three (3) seminars in 2007, namely the Seminar on Forest Biological Diversity Scientific Expedition of Bukit Bauk, Terengganu from 6 – 7 August 2007, Seminar on Forest Biological Diversity Scientific Expedition of Gunung Panti Johor from 3 – 4 December 2007 and Seminar on Forest Biological Diversity Scientific Expedition of Bintang Hijau Forest Reserve, Perak from 10 -11 December 2007. The findings from the seminars had been documented and published in proceedings. At the end of 2007, a total of ten (10) Scientific Expedition Seminar Proceedings on Forest Biodiversity had been successfully published.

V. FOREST HARVESTING

Area Opened For Harvesting

In 2007, a total of 29,621 hectares of PRF was harvested based on sustainable forest management principles. This represented 80.0% of the Annual Allowable Cut approved totaling 36,955 hectares. In addition, an area of 30,552 hectares of Stateland Forest and 22,492 hectares of Alienated Land were also harvested.

Kawasan Dilesenkan Untuk Pengusahaan, 2007 (Hektar)

Area Licenced For Harvesting, 2007 (Hectares)

JENIS HUTAN/ Forest Types	HEKTAR/ Hectares	Peratus/ Percent (%)
Hutan Simpanan kekal <i>Permanent Reserved Forest</i>		
- CTT*	29,621	48.8
- Bukan CTT**	20,934	
Hutan Tanah Kerajaan <i>Stateland Forest</i>	30,552	29.5
Hutan Tanah Bermilik <i>Alienated Land</i>	22,492	21.7
JUMLAH/ Total	103,559	100.0

* Kawasan HSK yang diurus di bawah prinsip Pengurusan Hutan Secara Berkekalan dan diusahail di bawah amalan Sistem Pengurusan Memilih (SMS)/ PRF managed under Sustainable Forest Management Principles and harvested under Selective Management Systems

** Kawasan HSK yang diusahail secara tebang habis untuk tujuan penyelidikan, pembangunan dan perladangan hutan/ PRF clear felled for forest research, development and plantation.

VI. PENGELUARAN

Dalam tahun 2007, pengeluaran kayu balak, kayu gergaji, venir dan kayu kumai berkurangan masing-masing sebanyak 10.1%, 11.6%, 53.4% dan 44.1%. Hanya pengeluaran papan lapis meningkat sebanyak 3.2% berbanding dengan jumlah pengeluaran pada tahun 2006.

VI. PRODUCTION

In 2007, the production of sawlogs, sawntimber, veneer and moulding decreased by 10.1%, 11.6%, 53.4% and 44.1% respectively. Only the production of plywood increased by 3.2% as compared to the total production in 2006.

Pengeluaran Hasil Kayu Utama (m³) 2007
Production Of Major Timber Products (m³) 2007

PENGELUARAN/ <i>Production</i>	2007	2006	% PERUBAHAN/ <i>change</i> 2007/2006
Kayu Balak / <i>Logs</i>	4,220,302	4,693,447	-10.1
Kayu Gergaji / <i>Sawntimber</i>	2,668,030	3,018,881	-11.6
Papan Lapis / <i>Plywood</i>	473,145	458,738	+ 3.2
Venir / <i>Veneer</i>	45,293	97,191	-53.4
Kayu Kumai / <i>Moulding</i>	195,716	349,964	-44.1

VII. INDUSTRI BERASAS KAYU

Pada tahun 2007, sebanyak 2,230 kilang pemprosesan berasaskan kayu telah dlesenkan oleh JPSPM. Kilang perabot/kilang kerja kayu/pertukangan mencatatkan bilangan kilang terbesar diikuti oleh industri kilang papan seperti yang ditunjukkan di jadual berikut:

VII. WOOD-BASED INDUSTRIES

In 2007, there were 2,230 wood-based processing mills licenced by FDPM. The furniture/ wood-making/ joinery mills constituted the largest number followed by the sawmill industry, as shown in the following table:

Bilangan Industri Berasas Kayu Utama 2007
Number Of Major Wood-based Industries 2007

JENIS INDUSTRI/ <i>Type Of Industry</i>	BILANGAN/ <i>Number</i>
Kilang Papan/ <i>Sawmill</i>	667
Kilang Papan Lapis/Venir/ <i>Plywood/Veneer Mill</i>	53
Kilang Kayu Kumai/ <i>Moulding Mill</i>	175
Perabot/Kilang Kerja Kayu/ <i>Pertukangan Tangan</i> <i>Furniture/Wood Working/Joinery Mill</i>	1,298
Kilang Papan Blok/ <i>Blockboard Mill</i>	10
Kilang Papan Serpai/ <i>Chipboard Mill</i>	12
Kilang Papan Gentian Sederhana Padat (MDF)/ <i>Medium Density Fibreboard (MDF) Mill</i>	7
Kilang Papan Serpih/ <i>Moulded Particleboard Mill</i>	8

VIII. SUMBANGAN SOSIOEKONOMI

Sumbangan Kepada Keluaran Dalam Negara Kasar (KDNK)

Pada tahun 2007, sektor perhutanan telah menyumbang sebanyak RM22.7 bilion atau 3.2% daripada jumlah Keluaran Dalam Negara Kasar Malaysia.

Perdagangan Hasil-Hasil Kayu

Pada tahun 2007, jumlah pendapatan eksport hasil kayu dari Malaysia telah menurun sebanyak 2.5% kepada RM22.7 bilion berbanding tahun 2006 (RM23.4 bilion). Ini merupakan 3.8% dari jumlah hasil eksport kasar Malaysia iaitu f.o.b RM605.1 bilion.

Perabot (RM6.72 bilion) dan papan lapis (RM6.27 bilion) merupakan penyumbang terbesar (57.2%) kepada jumlah keluaran eksport kayu dan eksport hasil berasaskan kayu. Amerika Syarikat, Jepun dan Kesatuan Eropah adalah antara destinasi eksport utama negara.

Bagi Semenanjung Malaysia, eksport hasil kayu dan hasil berasaskan kayu yang berjumlah RM11.66 bilion telah mencatatkan peningkatan sebanyak 2.3% berbanding RM11.40 bilion pada tahun 2006.

Jumlah Kutipan Hasil Kerajaan Negeri

Kutipan hasil hutan diperolehi terutamanya dari royalti, premium, ses pembangunan hutan, denda, pampasan dan lain-lain (lesen dan yuran). Kutipan ini telah menyumbang RM314.4 juta kepada hasil kerajaan negeri pada tahun 2007.

VIII. SOCIOECONOMIC CONTRIBUTIONS

Contribution to Gross Domestic Product (GDP)

In 2007, the forestry sector contributed RM22.7 billion or 3.2% of Malaysia's Gross Domestic Product.

Timber Products Trade

In 2007, total export earnings from Malaysian timber products decreased by 2.5% to RM22.7 billion as compared to 2006 (RM23.4 billion). This accounted for 3.8% of the total gross export earnings of Malaysia at f.o.b RM605.1 billion.

Furniture (RM6.72 billion) and plywood (RM6.27 billion) together contributed the major portion (57.2%) of the total timber and timber-based product export earnings. United States of America, Japan and European Union were amongst the major export destinations.

For Peninsular Malaysia, export of timber and timber-based products which amounted to RM11.66 billion, registered an increase of 2.3% as compared to RM11.40 billion in 2006.

Total State Government Revenue Collected

Forest revenue derived mainly from royalty, premium, forest development cess, fines, compensation and others (such as licence charges and fees). The forest revenue contributed RM314.4 million to the state coffers in 2007.

Jumlah Pekerjaan Secara Langsung

Dalam tahun 2007, jumlah pekerjaan secara langsung dalam sektor perhutanan di Semenanjung Malaysia berjumlah 95,274 orang. Ini mencatatkan penurunan keseluruhan sebanyak 0.4% berbanding tahun 2006. Hanya Industri perabot dan Kayu kumai menunjukkan peningkatan sebanyak 8.6% dan 0.8%. Butir-butir lanjut tenaga kerja mengikut industri adalah seperti berikut :

Total Direct Employment

In 2007, the forestry sector in Peninsular Malaysia employed 95,274 persons. This registered an overall decrease of 0.4% as compared to 2006. Only the furniture and moulding industry reported an increase in employment of 8.6% and 0.8%. Details of direct employment by industry are as follows

Gunatenaga Secara Langsung Dalam Sektor Perhutanan, Semenanjung Malaysia, 2007
Total Direct Employment In the Forestry Sector, Peninsular Malaysia, 2007

INDUSTRI/ Industry	PEKERJAAN/ Employment	PERUBAHAN TAHUNAN Annual Change (% 2007/2006)
Jumlah / Total	95,274	+1.32
Pembalakan/ <i>Logging</i>	7,906	-6.8
Kilang Papan/ <i>Sawmill</i>	21,031	-7.9
Papan Lapis/ Venir/ <i>Plywood/ Veneer</i>	5,696	-6.3
Kayu Kumai/ <i>Moulding</i>	5,035	+0.8
*Perabot/ <i>*Furniture</i>	50,119	+8.7
Awam/ <i>Public</i>	5,487	-0.56

* Perangkaan untuk Malaysia, seperti yang dikeluarkan dalam Statistik Pengeluaran Bulanan (Disember 2007) oleh Jabatan Perangkaan Malaysia
Figure for Malaysia, as published in Monthly Manufacturing Statistics (December 2007) by Department of Statistics Malaysia

Jumlah Pelaburan

Pada tahun 2007, jumlah pelaburan dalam industri berasas kayu utama di Semenanjung Malaysia berdasarkan nilai harta tetap adalah RM2.12 juta. Ini mencatatkan peningkatan 7.9% dari tahun 2006 (RM1.97 juta). Dari jumlah ini, RM1.09 juta atau 51.5% adalah pelaburan dalam industri kilang papan, RM0.62 juta atau 29.2% dalam industri papan lapis/venir dan RM0.41 juta atau 19.3% adalah dalam industri kayu kumai.

Total Investment

In 2007, the total investment in major wood-based industries in Peninsular Malaysia in terms of fixed assets was RM2.12 million, indicating an increase of 7.9% from 2006 (RM1.97 million). Of this total, RM 1.09 million or 51.5% were invested in the sawmilling industry, RM0.62 million or 29.2% in the plywood/veneer industry and RM0.41 million or 19.3% were in the moulding industry.

IX. PEMBANGUNAN SUMBER MANUSIA

Dalam tahun 2007, Jabatan telah memberi tumpuan kepada sumber-sumber yang penting bagi menyediakan dan mengendalikan latihan dan program pembelajaran yang berkaitan bagi memprolehi pengetahuan dan kemahiran terkini kepada kakitangan. Sejumlah 948 staf JPSM telah mendapat manfaat dari pelbagai aktiviti latihan yang dijalankan di sepanjang tahun. Di samping itu, seramai 56 orang telah menghadiri Kursus Sijil Pengawas Hutan di Sekolah Perhutanan Kepong dan berjaya memperolehi sijil masing-masing. Manakala seramai 17 orang telah menghadiri Kursus Sijil Perhutanan Renjer Hutan bagi sesi 2006/2007. Program latihan sepanjang 2007 adalah seperti berikut:

IX. HUMAN RESOURCE DEVELOPMENT

In 2007, the Department had devoted significant resources to provide and organize relevant training and learning programmes for staffs to acquire new knowledge and skills. A total of 948 staffs from the Department had benefited from the various training activities implemented during the year. In addition, 56 persons who attended the Forester Certificate Course in the School of Forestry, Kepong had successfully obtained their Forester Certificates, while a total of 17 candidates attended the Forestry Ranger Certificates Course for the 2006/2007 session. The training programmes during 2007 were as follows :

Program Latihan Sepanjang 2007
Training Programme During 2007

KATEGORI / <i>Categori</i>	DALAM NEGARA <i>Local</i>	LUAR NEGARA <i>Overseas</i>
Kursus / Lawatan Belajar <i>Course / Study Tour</i>	48	2
Bengkel / Seminar <i>Workshops / Seminars</i>	32	10
Persidangan / <i>Conferences</i>	11	26
Taklimat / <i>Briefing</i>	1	-
Ekspedisi / <i>Expeditions</i>	3	-
Simposium / Forum / Kongres <i>Symposium / Forum / Congress</i>	7	3
Dialog / Kolokium / Syarahan <i>Dialogue / Colloquium / Public Lecture</i>	3	3

ARTIKEL
Articles

ARTIKEL / Article 1

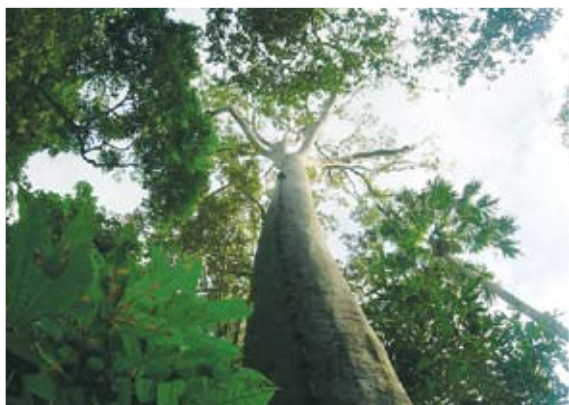
PENGUMPULAN DAN PEMROSESAN MADU LEBAH LIAR COLLECTION AND PROCESSING OF WILD HONEY

Lebah tergolong dalam famili *Apidae* dan terdiri daripada genus *Apis*, disifatkan dengan pembentukan sarang secara menegak daripada sel-sel yang berbentuk segi enam pada dahan pokok dengan menggunakan lilin yang diliurkan oleh lebah pekerja. Dua sifat semulajadi madu lebah adalah perangai berkelompok serta berkongsi informasi tentang sumber-sumber makanan dengan tarian isyarat.

Terdapat empat spesies lebah dalam genus *Apis*, iaitu *A. dorsata*, *A. mellifera*, *A. cerana* dan *A. florea*. Dua spesies yang biasanya digunakan untuk pemeliharaan lebah adalah dalam satu koloni sarang lebah, terdapat seekor ratu lebah, 60,000 – 80,000 lebah pekerja dan beberapa ratus lebah jantan. Fungsi penting lebah ratu hanya menghasilkan telur dan seterusnya menghasilkan sama ada lebah pekerja, lebah jantan atau ratu baru. Tugas utama biologikal lebah jantan hanya untuk melakukan persenyawaan dengan ratu lebah. Lebah pekerja: mengumpul pollen dan nektar untuk dijadikan madu, sumber makanan dan juga bertindak sebagai askar. Madu yang dihasilkan oleh lebah liar adalah daripada spesies *A. dorsata*. Kebiasaannya, lebah spesies ini membuat sarang pada pokok Tualang [*Koompassia excelsa*] kerana batang pokok tersebut licin dan tinggi untuk mengelakkan sarang diganggu oleh pemangsa.

Bees belonging to the family Apidae with a single genus, Apis, which is characterized by the building of vertical combs of hexagonal cells constructed bilaterally from a midrib, using only wax secreted by worker bees. Two behavioral characters of honey bees are their clustering behaviour and the communication of information about food sources as well as the recruitment of foragers by 'dance language'.

The genus comprises four species, namely A. dorsata, A. mellifera, A. cerana and A. florea. A. mellifera and A. cerana are usually used in apiculture. In a single honey bee colony, there is one queen bee, 60,000 – 80,000 worker bees and several hundred drone bees. The essential function of the queen bee is to lay eggs which eventually will either become worker bees, drones or a new queen. The sole biological function of drones is to mate with queens. The worker bees sequentially take on a series of specific chores during their lifetime : collecting pollen and nectar to become honey, guards and under-takers. Wild honey is mainly obtained from A. dorsata species. These species usually build their nests suspended on Tualang trees [Koompassia excelsa] because of its smooth bark and height, making access to terrestrial predators very difficult.



Pokok Tualang [*Koompassia excelsa*]



Pengumpul madu memanjat pokok dengan kaedah paku
Honey collector climbing tree using nails as steps

Pengumpulan madu lebah liar (*A. dorsata*) di hutan merupakan kerja yang berisiko tinggi. Pada masa sekarang, aktiviti tersebut semakin kurang dilakukan oleh generasi muda disebabkan banyak tarikan pekerjaan yang menawarkan pendapatan lebih menarik dan alternatif kepada orang ramai untuk mendapatkan madu di pasaran yang dihasilkan oleh penternak lebah (*A. mellifera*). Aktiviti pengumpulan madu lebah liar hanya dilakukan oleh masyarakat kampung sebagai menambah pendapatan sampingan selain untuk kegunaan sendiri. Disebabkan nilai khasiat madu, kekurangan bekalan dan risiko tinggi terlibat dalam penuaian madu lebah liar, terpaksa memanjat melebihi 220 kaki pokok Tualang, maka harga yang ditawarkan menjadi mahal.

Lazimnya pengumpulan madu lebah liar dijalankan secara berpasangan atau ada kalanya berkumpul setelah lokasi sarang lebah telah dikenalpasti. Madu lebah liar hanya akan dituai sekiranya telah matang, iaitu bentuk sarangnya berlekung atau selepas 44 hari dari mula sarang dibina untuk memastikan ianya matang. Selain daripada kaedah membina tangga, kaedah memasang paku sepanjang 6 inci pada batang pokok untuk pengumpul memanjat pokok tersebut. Terdapat juga dimana sesetengah pencari menggunakan kaedah tali rotan dan panjat pokok bersebelahan yang mempunyai sarang lebah. Masa yang sesuai bagi pengumpulan madu ialah malam untuk mengelak daripada disengat lebah tetapi ada kalanya, dijalankan pada siang hari bagi mereka yang sudah lali dengan sengatan lebah.

Peralatan utama yang digunakan ialah pisau, baldi, tali dan bahan pengasap bagi menghasilkan asap untuk menenangkan lebah. Bahan pengasap terdiri



Menenangkan lebah dengan menggunakan asap
Smoke used to calm the bees

*Harvesting of wild honey (*A. dorsata*) in the forest is dangerous work. Currently, the younger generations are less keen in such job because of better opportunities offering attractive incomes and alternatives in purchasing honey produced by bees reared by apiculturists (*A. mellifera*) from the market. This activity is mainly carried out by the rural folks to supplement their incomes besides for their own consumption. Due to its nutritional value, scarce resources and high risks involved in the harvesting of wild honey, having to climb more than 220 feet high Tualang trees, the price of wild honey offered becomes more expensive.*



Menurunkan baldi yang mengandungi sarang lebah
Lowering of pail containing honey comb

Wild honey collection is usually carried out in pairs, but at times, in groups after the location of the bees hives is identified. Wild honey is usually harvested when the shape of the bees hive is curve (bent down) or 44 days after the bees make their hives to ensure that the honey is matured. The harvester will either construct ladders make from branches onto the trees or nail six inches nails onto the trees as steps for climbing to collect the honey. There are other collectors who use rattan ropes or climb the adjacent tree before crossing over to the host tree. Honey collection is usually carried out in the night to prevent the attack of the bees, although some harvesters who are numbed with bees' stings preferred in the morning.

daripada bunga kelapa sawit, kulit pokok kenanga, sabut kelapa dan reja-reja kayu. Bahagian sarang lebah yang mengandungi madu dipotong dengan menggunakan pisau dan dimasukkan ke dalam baldi. Kemudian baldi berisi madu akan diturunkan dengan menggunakan tali dengan bantuan pembantu di bawah pokok tersebut.

Mengambil bahagian sarang lebah yang mengandungi madu secara tidak langsung dapat mengurangkan kerosakan pada keseluruhan sarang lebah dan membolehkan lebah dapat menghasilkan semula madu pada sarang yang sama dalam tempoh masa yang lebih singkat, puratanya 20 hari. Walau bagaimanapun, terdapat juga pencari yang mengambil keseluruhan sarang lebah untuk dijadikan lilin.

Baldi yang mengandungi sarang lebah akan dibawa balik ke rumah untuk ditapis dan dibotolkan. Bagi pengumpul orang asli, madu yang diperolehi akan dijual bersama sarang terus kepada orang tengah tanpa pemprosesan. Untuk aktiviti pemprosesan, sarang lebah yang berisi madu dibelah dua bagi mengeluarkan madu dari dalam sarang. Madu dibiarkan mengalir ke dalam bekas (plastik) dan kemudiannya ditapis untuk mengasingkan benda asing. Madu yang ditapis akan dimasukkan ke dalam botol dan ditutup dengan penutup jenis gabus ataupun plastik. Bekas logam tidak boleh diguna untuk menyimpan madu kerana akan mencemar madu dengan toksik besi dan plumbum.

Warna dan rasa madu turut mempengaruhi harga madu. Warna madu berbeza dari warna kuning keemasan ke perang kehitaman. Manakala,



Menapis madu
Sieving honey

The main equipments used for harvesting are knife, pail, rope and materials used to produce smoke to calm the bees. These materials include oil palm's flower, kenanga barks, coconut husk and wood chips. The part containing the honey is scraped from the comb using a knife and placed into the pail. The pail is then lowered by means of ropes to an assistant on the ground.

Harvesting the part containing the honey does not result in the whole colony being killed. The bees are able to reconstruct their nests in a shorter period, averagely in 20 days. However, there are others who harvest the whole nests for beeswax.



Sarang lebah yang dikumpulkan
Honey comb collected

The pail containing the honey will be brought home for sieving and bottled. The orang asli usually do not process the honey but sold their harvest which include the comb directly to the middleman. The collected honey combs are then sliced into half and left to drip dry onto a plastic container. An ordinary sieve is used for removing any impurities. The sieved honey is then bottled and sealed, usually with a cork. It is not advisable to use metal containers as they can taint the sweet honey with toxic iron and lead.

rasa berubah dari manis ke sangat manis dan adakalanya terdapat sedikit rasa buah-buahan dan bunga bergantung kepada sumber nektar yang diperolehi dari persekitaran. Madu yang telah siap dibotolkan akan dijual secara terus kepada pembeli dengan harga diantara RM 100 – 150 sekilo atau RM 60 - 80 sekilo kepada orang tengah. Namun bagi masyarakat orang asli, madu yang diperolehi akan dijual bersama sarang dengan harga diantara RM 17 – 20 sekilo.

Colours and tastes of wild honey also influenced the price of honey. The honey colours vary from golden light yellow to shades of dark brown. Meanwhile, the taste differs from lightly sweet, too sweet, bitter sweet, flowery to subtly fruity. All these depended on the nectar and pollen collected by the wild bees. Bottled honey sold to customers ranged from RM 100 – 150 per kg or RM 60 – 80 per kg to middleman. Orang asli honey collectors sell the honey with comb at RM 17 – 20 per kg.



Madu dalam botol
Bottled honey

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ARTIKEL / Article 2

PROJEK TANAMAN KARAS (*Aquilaria malaccensis*) OLEH JABATAN PERHUTANAN NEGERI TERENGGANU – SATU PENGALAMAN *KARAS (Aquilaria malaccensis) PLANTATION PROJECT BY THE TERENGGANU STATE FORESTRY DEPARTMENT – AN EXPERIENCE*

1.0 PENGENALAN

Gaharu berasal dari perkataan Sansekerit iaitu “agaru” yang bererti kayu berat (tenggelam) sebagai produk damar atau resin dengan aroma yang harum apabila kayu dibakar. Gaharu dikenali dengan lebih dari 20 nama seperti agaru, aloeswood, agar wood, eagle wood, chen-xiang, jinkoh, jinko, oud, ood, ud dan lain-lain lagi.

Di negara Asian terdapat lebih kurang 15 spesies gaharu. Gaharu diperolehi dari sejenis tumbuhan dari famili *Thymeleaceae*. Spesies yang paling popular berkaitan dengan gaharu adalah *Aquilaria malaccensis*. Spesies ini merupakan spesies yang mempunyai ketinggian 25 meter hingga 36 meter atau lebih dan mempunyai diameter di paras dada sehingga 60 centimeter (Anon, 1973). Antara negara-negara yang mempunyai spesies ini adalah Bangladesh, Bhutan, India (Assam, Manipur, Meghalaya, Tripura), Indonesia (Kalimantan, Sumatera), Iran, Malaysia (Semenanjung Malaysia), Myanmar, Philippines, Singapura dan Thailand.

Di Semenanjung Malaysia terdapat lima spesies *Aquilaria* yang berpotensi boleh menghasilkan ‘aleoresins’ (Chang *et al*, 2001) seperti di **Jadual 1**.

1.0 INTRODUCTION

Gaharu comes from the Sanskrit word “agaru” which means heavy wood (sinking) is an aromatic resin product that emits pleasant fragrance when burnt. Gaharu is also known by more than 20 names like agaru, aloeswood, agar wood, eagle wood, chen-xiang, jinkoh, jinko, oud, ood, ud and many more.

In Asian countries, there are about 15 species of gaharu. It is extracted from a plant species in the family Thymeleaceae. The most popular species related to gaharu is Aquilaria malaccensis. This species can grow to a height of 25 meters to 36 meters or more, and a diameter measured at breast height of up to 60 centimeters (Anon, 1973). This species are found in Bangladesh, Bhutan, India (Assam, Manipur, Meghalaya, Tripura), Indonesia (Kalimantan, Sumatera), Iran, Malaysia (Peninsular Malaysia), Myanmar, the Philippines, Singapore and Thailand.

There are five species of Aquilaria that have the potential to produce ‘aleoresins’ in Peninsular Malaysia (Chang et al, 2001) as shown in Table 1.

Jadual / Table 1 : Spesies *Aquilaria* Yang Boleh Menghasilkan Gaharu Di Malaysia
Aquilaria Species That Can Produce Gaharu In Malaysia

Spesies / <i>Spesies</i>	Nama Tempatan / <i>Local Name</i>	Gred / <i>Grade</i>
<i>A. malaccensis</i>	Gaharu	Sederhana / <i>Medium</i>
<i>A. microcarpa</i>	Garu	Sederhana / <i>Medium</i>
<i>A. hirta</i>	Chandan	
<i>A. rostrata</i>		
<i>A. beccariana</i>	Gaharu, Tanduk	

Source : Chang, *et al*. 2001



Ladang Karas
Karas Plantation

2.0 PROJEK TANAMAN KARAS

Pada pertengahan tahun 2005, Jabatan Perhutanan Negeri Terengganu telah mengambil inisiatif menubuhkan Ladang Karas seluas 47 hektar di Hutan Simpan Merchang, Marang. Projek tanaman karas ini dimulakan pada bulan Ogos tahun 2005 dimana kerja-kerja menebas, menebang, membakar, menggali parit serta membaiki jalan-jalan yang sedia ada dilakukan. Kerja-kerja menanam pula dimulakan pada bulan Oktober dan siap pada bulan November 2005.

Di antara faktor-faktor yang menyumbang kepada kejayaan projek ini ialah:-

a. Keadaan cuaca

Pokok karas boleh tumbuh pada ketinggian 750 meter dari aras laut dengan suhunya antara 28°C hingga 34°C. Kelembapan pula antara 60% hingga 80%. Sementara curahan hujan pula adalah antara 1,000 hingga 2,000 millimeter/tahun.

b. Kadar pertumbuhan

Sebagai perbandingan, Sumarna (2002) telah melaporkan kadar pertumbuhan spesies *Aquilaria malaccensis* di Indonesia ialah 1.64 sentimeter/tahun, manakala kadar pertumbuhan yang direkod di negeri Terengganu pada masa ini menunjukkan ketinggian sehingga 2.54 meter bagi spesies yang sama selepas dua tahun ianya di tanam.

c. Peratus kehidupan yang tinggi

Peratus kehidupan yang telah direkodkan oleh Jabatan Perhutanan Negeri Terengganu selepas tiga bulan ditanam daripada sejumlah 39,500 anak pokok adalah 83%.

d. Umur pokok matang yang terpendek boleh menghasilkan gaharu secara proses inokulen

Gaharu boleh dihasilkan melalui proses inokulen selepas beberapa tahun ditanam. Pada masa ini, Jabatan Perhutanan Negeri Terengganu berasaskan pemerhatian di Indonesia di mana

2.0 KARAS PLANTATION PROJECT

In mid-2005, the Terengganu State Forestry Department took the initiative to establish a 47-hectare Karas Plantation in the Merchang Forest Reserve, Marang. The project started with land clearing, cutting of trees, construction of drains and road repairs on existing roads in August 2005. Planting started in October and was completed in November 2005.

Among the factors that contributed to the success of this project are:-

a. Weather condition

The karas trees can grow to a height of 750 meters from sea level with temperatures between 28°C to 34°C. Humidity is between 60% to 80%. Meanwhile, rainfall is between 1,000 to 2,000 millimeter/year.

b. Growth rate

For comparison, Sumarna (2002) reported that the growth rate of *Aquilaria malaccensis* in Indonesia was 1.64 centimeter/year, while the growth rate recorded in Terengganu was 2.54 meter for the same species two years after planting begins.

c. High percentage of survival

The percentage of survival recorded by the Forestry Department of Terengganu after three months of planting 39,500 seedlings was 83%.

d. The earliest tree that matures and can produce gaharu by using the inoculation process

Gaharu can be produced using the inoculation process after several years of planting. Currently, the Terengganu State Forestry Department based the inoculation process on observations



Kerja-kerja membersihkan ladang Karas
Clearing of undergrowth in Karas plantation

proses inokulen dimulakan seawal usia pokok lima tahun dan mendapatkan hasil gaharu selepas 10 tahun ditanam [Sumarna, 2002].

e. Kaedah penanaman yang mudah

Kaedah penanaman boleh dilaksanakan dengan beberapa cara antaranya secara monokultur dengan jarak tanaman yang sesuai iaitu 3m x 3m dengan jumlah pokok sebanyak 1,000 hingga 1,300 pokok se hektar atau boleh menggunakan jarak 2m x 3m dengan jumlah anak pokok yang ditanam boleh mencapai sehingga 1,600 pokok se hektar. Kawasan-kawasan yang dianggap miskin serta terosot boleh ditanam dengan pokok karas. Tanaman secara selang juga boleh diamalkan dibawah pokok-pokok lain yang berumur antara 5 hingga 8 tahun seperti di ladang kelapa sawit atau ladang kopi [Sumarna, 2002].

f. Harga pasaran gaharu yang tinggi

Harga pasaran gaharu adalah tinggi terutamanya di Arab Saudi, Hong Kong, Jepun, Vietnam, Egypt dan lain-lain negara untuk penghasilan minyak wangi dan nilai-nilai perubatan yang tinggi. Harga gaharu di pasaran ada dikatakan boleh mencapai RM 8,000/kg hingga RM10,000/kg.

in Indonesia, where the trees were inoculated as early as five years old to yield gaharu after 10 years of planting [Sumarna, 2002].

e. Simple planting method

The method of planting is conducted in several ways such as monoculture where the trees are grown within the 3m x 3m distance with a total of 1,000 to 1,300 plants per hectare or using the 2m x 3m distance where the number of trees planted reached 1,600 per hectare. Areas that are considered poor and isolated can be planted with karas trees. It can also be planted as an inter-crop with other trees aged between 5 to 8 years old in oil palm or coffee plantations [Sumarna, 2002].

f. High market price for gaharu

The market price for gaharu is high especially in Saudi Arabia, Hong Kong, Japan, Vietnam, Egypt and other countries for the production of perfume and medicinal products. The market price for gaharu is said to be as high as RM 8,000/kg to RM10,000/kg.

3.0 KOS - KOS YANG TERLIBAT

Awal penubuhan ladang karas melibatkan kos-kos seperti di **Jadual 2**. Perbelanjaan keseluruhan projek ini menggunakan peruntukan kewangan Kumpulan Wang Pembangunan Hutan (KWPH).

3.0 COSTS INVOLVED

*The costs of establishing a karas plantation are as shown in **Table 2**. The overall expenditure for this project is borne by allocations from the Forest Development Fund [KWPH].*

Jadual / Table 2 : Kos Penubuhan Ladang Karas Seluas 47 ha*
Costs of Establishing A Karas Plantation Over 47 ha*

Bil./No.	Perbelanjaan / <i>Expenditure</i>	Jumlah Kos/ <i>Total Cost (RM)</i>
1.	Pembelian 70,000 anak pokok karas secara sebutharga <i>Purchase of 70,000 karas seedlings based on quotation</i>	115,500
2.	Penyediaan tapak dan aktiviti menanam <i>Preparation of site and planting activity</i>	115,560
3.	Lain-lain perbelanjaan <i>Other expenditure</i>	41,983
JUMLAH / TOTAL		270,043

* tidak termasuk harga tanah / *exclude price of land*

Sehingga kini, Jabatan Perhutanan Negeri Terengganu telah membelanjakan sebanyak RM 450,000 untuk kerja-kerja rawatan seperti membaja, merumpai, meracun, menyulam dan lain-lain kerja yang berkaitan.



Ladang Karas berusia dua tahun
Two years old Karas Plantation

4.0 MASALAH-MASALAH DAN CABARAN YANG DIHADAPI DAN LANGKAH-LANGKAH PENCEGAHANNYA

a. Serangan oleh *scale insect*

Selepas 4 bulan ditanam, anak pokok karas yang telah ditanam telah diserang oleh sejenis *scale insect* dari spesies *Aulacaspis* spp. Spesies ini telah menyerang daun dan batang yang menyebabkan daun menjadi kuning dan batang menjadi kering dan sekiranya tidak diambil tindakan segera menyebabkan pokok mati. Tindakan pencegahan yang perlu diambil ialah dengan menyembur racun yang mengandungi *white oil* sehingga 72% w/w seperti racun Albarol.

b. Pokok musuh seperti *Acacia mangium* dan rumpai mengganggu pertumbuhan

Masalah yang dihadapi selepas enam bulan di tanam ialah pokok-pokok karas telah bersaing dengan pokok-pokok *Acacia mangium* yang terlalu cepat tumbuh (purata ketinggian *Acacia mangium* ialah sekaki pada umur sebulan). Keadaan ini telah menyebabkan pertumbuhan anak-anak pokok karas terbantut. Masalah *Acacia mangium* boleh diatasi dengan menggunakan kaedah yang telah dipraktikkan oleh RRIM iaitu dengan menggunakan racun Garlon yang dicampur dengan minyak diesel dengan menggunakan formula 1:5 atau 1:9 dan disapu pada batang yang telah ditebas. Sementara rumput rumpai boleh diatasi dengan menggunakan racun-racun biasa yang ada di pasaran seperti CAPAYAN, SHOOT dan Paraquat 13.

To - date, the Forestry Department of Terengganu has spent RM 450,000 for fertilizing, weeding, pest control, replacing dead seedlings and other related work.



Serangan oleh ulat ratus
Spodoptera citura attacked

4.0 PROBLEMS, CHALLENGES FACED, AND PREVENTIVE MEASURES

a. Attack by *scale insect*

After four months, the planted karas seedlings were attacked by a species of scale insect from Aulacaspis spp. This species attacked the leaves and stems turning the leaves yellowish and the stems dry, and if no immediate steps being taken, the trees will die. Preventive measure taken was by spraying pesticides containing white oil up to 72% w/w like the poison Albarol.

b. Invasive trees like *Acacia mangium* and weed that affect growth

Problems faced after six months of growth was that the karas trees had to compete with the fast growing Acacia mangium trees (average growth of Acacia mangium is a foot in one month). This situation stunt the growth of the karas trees. The problem of Acacia mangium was overcome by using the method used by RRIM, that is mixing the poison Garlon with diesel using the 1:5 or 1:9 formula and is applied to the trunks that have been cut. As for weeds, it was controlled by using common herbicides available in the market like CAPAYAN, SHOOT and Paraquat 13.

**c. Serangan oleh ulat ratus
(*Spodoptera citura*)**

Masalah ulat ratus didapati telah mengancam pokok karas selepas setahun penanamannya terutama selepas hujan turun dimana ulat-ulat ini telah memakan daun karas dan ada setengah daripada pokok yang diserang telah mati. Masalah ini boleh diatasi dengan menggunakan racun yang mengandungi bahan aktif cypermethrin seperti racun *Kencis* yang disembur pada daunnya.

**d. Kejadian penyakit akar putih
(*Rigidoporous lignosus*)**

Penyakit ini dikesan melalui simptom pada pokok karas iaitu daun layu, berwarna kekuningan serta gugur dan akhirnya pokok tersebut akan mati. Biasanya pokok-pokok yang diserang berada di kawasan tanah pamah yang mana salirannya tidak baik. Bahan yang mempunyai bahan aktif *hexaconazole* perlu digunakan dengan menyiram racun ini pada pangkal pokok. Antara racun yang didapati dipasaran seperti *Xzole 50*, *Vantil*, *AGR Hexagon* boleh digunakan untuk merawat penyakit ini.

**e. Serangan oleh ulat pengorek batang
(*Rhytidodera simulans*)**

Lazimnya ulat ini menyerang pokok dengan menetas di dalam ranting yang agak lembut dan mengorek masuk ke dalam batang yang lebih besar. Ranting atau dahan yang diserang akan mempunyai lubang dan jika serius daun-daun pada ranting dan dahan itu akan layu dan mati. Untuk mengatasi masalah ini ranting yang telah diserang dicantas dan dimusnahkan. Kawalan dengan menggunakan bahan kimia sebagai rutin juga dapat mengawal serangga ini iaitu dengan cara memasukkan racun *Malathion* ke dalam lubang dan ditutup dengan tanah liat atau plastersin.

f. Kejadian penyakit Koya (*Phaenococcuc spp.*)

Penyakit ini membawa kesan pada daun dimana daun akan menjadi kuning dan hampir layu disebabkan oleh air daripada daun diserap oleh spesies ini dan akhirnya daun akan gugur dan sekiranya tidak dikawal secepat yang mungkin pokok akan mati. Cara mencegahnya ialah dengan menyembur racun yang mengandungi *white oil* seperti racun *Albarol*.

c. Attack by *Spodoptera citura*

This insect is a threat to one-year-old karas trees, and will attack the trees usually after a rainy spell where the leaves will be eaten and some trees will die after the attack. This problem can be overcome by applying herbicides containing cypermethrin like the poison Kencis sprayed onto the leaves.

**d. White root disease
(*Rigidoporous lignosus*)**

This disease was detected by observing the wilting leaves when the leaves turned yellowish, drop and ultimately killing the trees. Trees that were affected were normally those located in areas with poor drainage. Chemical containing hexaconazole were sprayed at the base of the trees. Among the poison available in the market are Xzole 50, Vantil, AGR Hexagon that can be used to treat this disease.

**e. Attack by bore insect
(*Rhytidodera simulans*)**

Usually these insects will attack a tree by boring and laying eggs that will hatch in the softer branches and once hatch, it will bore further into bigger branches. If the attack is serious, the leaves will wilt and branches will die. To overcome this problem, the attacked branches will be cut, removed and destroyed. Control is by applying chemicals on a routine basis that is by applying the poison Malathion in the hole and closing it with mud or plastercine.

f. The 'Koya' (*Phaenococcuc spp.*) disease

This disease effects the leaves where the leaves will turn yellow and wilt because of the absorption of the liquid by this species and finally the leaves drop and the plant may die unless it receives treatment early. Prevention is by spraying poison containing white oil like Albarol.

g. Keperluan siram pokok karas di musim kemarau

Musim kemarau di Terengganu berlaku diantara bulan April hingga Ogos. Pokok-pokok karas perlu disiram pada musim ini. Oleh itu pembinaan parit di dalam kawasan ladang yang mempunyai air sepanjang musim amat diperlukan samada untuk kegunaan meracun dan menyiram pada musim kemarau. Beberapa tangki air 500 liter juga telah dipasang di puncak bukit sebagai tempat menyimpan air yang berterusan. Tangki air bergerak juga telah digunakan di ladang ini.

h. Keadaan tanah yang mempunyai pH yang rendah

Keadaan tanah yang berasid dengan pH antara 4.2 hingga 4.25 adalah tidak sesuai untuk pertumbuhan pokok karas. Kerja-kerja pengapuran dengan menggunakan GML (Ground Magnesium Limestone) sebanyak 260g/pokok perlu dilaksanakan untuk mendapatkan pH tanah antara 5.5 hingga 6.5 supaya pokok-pokok karas dapat hidup dengan subur. Kerja-kerja pengapuran perlu dilakukan enam bulan sekali bagi menambahkan unsur *Ca* dan *Mg*. Selain daripada itu, kerja-kerja untuk memperbaiki sistem saliran perlu dilakukan supaya air tidak bertakung di kawasan tanaman. **Jadual 3** menunjukkan ukuran pH tanah yang telah diambil di dalam petak-petak tumbesaran seluas 1 ha yang ditubuhkan setelah 3 bulan kerja-kerja menanam selesai dijalankan.

g. Need to water the karas tree during dry season

The dry season in Terengganu occurs from April to August. The karas trees need to be watered during this season. As such, there is a need to construct drains in the plantation as water is required throughout the season. Water is not only used for watering but in pest control during the dry season. Several water tanks with the capacity of 500 litres have been placed at high elevations to store water. Mobile water tanks are also being used in the plantation.

h. Soil containing low pH

The soil acidity of pH between 4.2 to 4.25 is not suitable for the growth of karas trees. Lime had to be applied using GML (Ground Magnesium Limestone) to 260g/tree to achieve a soil pH of between 5.5 to 6.5 to support a healthy growth of the karas trees. Lime need to be applied every six months to improve the quantity of *Ca* dan *Mg*. Apart from this, improvement to the drainage need to be carried out to prevent water stagnation. **Table 3** shows the measurement of pH of soil taken from the growth compartment in a one hectare area where planting had been carried out after three months.

Jadual / Table 3 : Peratus Kematian Berbanding Dengan pH Tanah Serta Kandungan Ca dan Mg / Percentage of Mortality Compared With Soil pH and the Content of Ca and Mg

Blok/ [1 ha]	pH Tanah <i>Soil pH</i>	Peratus Kematian <i>Mortality</i> [%]	Ca (meq/100g)	Mg (meq/100g)
1	5.5	15.15	0.46	0.19
2	5.0	18.78	0.24	0.07
3	4.1	21.81	0.19	0.01
4	4.6	11.12	0.45	0.07
PURATA AVERAGE		16.72		

Dari **Jadual 3**, adalah didapati peratus purata kehidupan adalah 83.28%. Di samping ini, kandungan *Ca* dan *Mg* didapati kurang bagi blok 2 dan 3, oleh itu pengapuran dengan GML perlu dilakukan (260g/pokok) di blok-blok tersebut.

From **Table 3**, it was found that the average percentage of survival is 83.28%. In addition, the content of *Ca* dan *Mg* was less for block 2 and 3, and therefore the application of lime with GML need to be carried out (260g/tree) in the blocks.

i. Keperluan kejadian kawalan daripada binatang ternakan dan binatang liar

Kedudukan kawasan ladang karas yang berhampiran dengan kawasan ladang kelapa sawit telah menimbulkan masalah dimana binatang ternakan dan binatang liar dari kawasan ladang kelapa sawit telah memasuki kawasan ladang. Bagi mengatasi masalah ini, Jabatan Perhutanan Negeri Terengganu telah memasang pagar elektrik yang menggunakan kuasa solar dengan kos yang rendah untuk mengelakkan kawasan ini dicerobohi oleh binatang-binatang tersebut. Pagar ini pula tidak membahayakan kepada manusia.

5.0 STRATEGI MASA DEPAN

a. Penubuhan Pusat Penyelidikan Karas Negeri Terengganu

Pada tahun 2007, ladang karas telah diisytiharkan sebagai Pusat Penyelidikan Karas Negeri Terengganu. Untuk memastikan maklumat penyelidikan dalam penubuhan ladang ini tercapai, banyak lagi data-data perlu dikutip dan dikumpulkan untuk memastikan kejayaan tanaman ini di Malaysia. Banyak agensi yang berkaitan perlu dijemput untuk bekerjasama dalam melaksanakan penyelidikan. Sehingga ini terdapat dua agensi sahaja yang terlibat iaitu Jabatan Perhutanan Negeri Terengganu dan Agensi Tenaga Nuklear Malaysia.

Pusat Penyelidikan Karas Negeri Terengganu bakal menjadi Pusat Penerangan dan perlu dibuka kepada orang ramai atau agensi lain untuk dilawati. Secara tidak langsung, pusat ini turut menjadi satu destinasi pelancongan bagi negeri Terengganu. Kenyataan ini boleh direalisasikan dengan terbinanya jalan masuk ke pusat tersebut disamping sebuah Dewan Serbaguna dan dijangka siap pada tahun 2008.

b. Mewujudkan Manual Penanaman Pokok Karas

Manual Penanaman Pokok Karas perlu diwujudkan untuk menyebarkan maklumat kepada orang ramai dan agensi-agensi swasta yang berminat tentang cara-cara penanaman dan kawalan penyakit serta penyelenggaraannya yang lebih sistematik untuk memastikan kejayaannya.

i. Need to control pest, farm and wild animals

The location of the karas plantation near an oil palm plantation created problem where farm and wild animals encroached into the karas plantation. To overcome this problem, the Forestry Department of Terengganu has erected electric fence using solar energy that is cost efficient to prevent further encroachment by these animals. The fence poses no danger to humans.

5.0 FUTURE STRATEGY

a. Establishment of the Terengganu Karas Research Centre

In 2007, the karas plantation was declared as the Terengganu Karas Research Centre. To ensure that research information meet the objective of the establishment the research center, much more data need to be gathered to assist the success of such a project in Malaysia. Many related agencies have to be invited to co-operate in carrying out research. At this moment only two agencies, namely the Forestry Department of Terengganu and the Malaysian Institute of Nuclear Energy are involved.

The Terengganu Karas Research Center is set to become an Information Centre and should be opened to the public or other agencies. Indirectly, this center could become a tourist destination for the state of Terengganu. This could be realized with the construction of a road leading to the center besides a Multi-Purpose Hall expected to be completed in 2008.

b. Publishing a Manual on the Cultivation of Karas Trees

A manual on the cultivation of karas trees need to be published for the dissemination of information to the public and private agencies who are interested to learn about the cultivation and control of diseases as well as systematic maintenance to ensure its success.

c. Mempromosikan secara meluas penanaman pokok karas secara ladang

Penanaman pokok karas secara ladang perlu dipromosikan kepada semua negeri-negeri di Malaysia untuk memastikan bekalan gaharu di masa hadapan akan terus berkekalan. Permintaan gaharu yang masih tinggi di pasaran dunia telah menyebabkan negara-negara lain seperti Vietnam, Kemboja, Thailand dan Indonesia menanam karas secara ladang dengan banyaknya.

d. Mempertingkatkan kajian penghasilan gaharu

Kajian untuk menghasilkan gaharu dengan lebih cepat melalui proses inokulen perlu diteruskan dari masa ke semasa. Agensi lain seperti Agensi Tenaga Nuklear Malaysia dan FRIM harus mengkaji dengan lebih intensif untuk menghasilkan gaharu sebagaimana yang telah dilaksanakan oleh Thailand dan Indonesia. Baru-baru ini Universiti Minnesota, Amerika Syarikat telah berjaya mencipta bahan inokulen yang dinamakan CA Kit dan telah dijual di beberapa negara seperti Vietnam, Thailand dan Malaysia.



c. Promoting the cultivation of karas trees on a plantation scale

Planting karas trees on a plantation scale need to be promoted in all the states in Malaysia to ensure a sustainable supply of gaharu in the future. The high demand for gaharu in the world market has resulted in countries like Vietnam, Cambodia, Thailand and Indonesia cultivating karas on a plantation scale.

d. Enhancing research on production of gaharu

Research on enhancing the production of gaharu using the inoculation method must be intensified. Agencies such as the Malaysian Institute of Nuclear Energy and FRIM need to intensify their research on the production of gaharu like those initiated by Thailand and Indonesia. Recently, the Universiti Minnesota, USA succeeded in creating an inoculant called CA Kit and being sold to several countries like Vietnam, Thailand and Malaysia.



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Terengganu State Forestry Department.*

ARTIKEL / Article 3

MAJLIS PELANCARAN PROGRAM PENANAMAN POKOK BAKAU DAN SPESIES-SPESIES YANG SESUAI DI PESIRIRAN PANTAI NEGARA PERINGKAT KEBANGSAAN DI KAMPUNG BARU PULAU SAYAK, KOTA KUALA MUDA, KEDAH

THE OFFICIAL LAUNCHING OF THE PLANTING PROGRAMME WITH MANGROVES AND OTHER SUITABLE TREE SPECIES ALONG THE NATIONAL COASTLINE AT KAMPUNG BARU PULAU SAYAK, KOTA KUALA MUDA KEDAH

Pada 26 Disember 2004, masyarakat dunia telah dikejutkan oleh tragedi ombak besar tsunami yang telah melanda dan menenggelamkan beberapa kawasan pesisiran pantai di negara-negara rantau Asia, seperti Indonesia (Aceh), Sri Lanka, India, Myanmar, Thailand, Kepulauan Maldives serta negeri-negeri di sebelah pantai timur benua Afrika dan beberapa negeri di bahagian utara Semenanjung Malaysia. Gegeran gempa bumi di Utara Sumatera pada 9.0 skala Richter telah menghasilkan gelombang pertama melanda daerah Langkawi pada jam 12.20 tengahari manakala daerah Kuala Muda pada jam 1.15 tengahari dengan ketinggian mencecah 2.5 meter iaitu selepas 4 jam gegeran di Utara Sumatera.

Di kawasan yang serius dilanda ombak besar tersebut dilaporkan meragut beratus-beratus ribu nyawa terutama di kawasan pesisiran-pesisiran pantai yang luas terbuka dan tidak dilindungi dan terdedah kepada risiko ancaman ombak besar tsunami.

Salah satu kawasan pesisiran pantai di Utara Semenanjung Malaysia yang terjejas adalah Kota Kuala Muda, Kedah. Deretan rumah kediaman runtuh, kenderaan hanyut dibawa arus, bot-bot nelayan bergelimpangan, manakala jeti-jeti pengkalan nelayan rosak teruk dan lain-lain infrastruktur musnah. Ianya jelas menunjukkan kawasan-kawasan yang terlindung dengan dirian hutan paya laut seperti bakau dan nipah hanya mengalami kerosakan ringan berbanding dengan kawasan-kawasan penempatan yang terdedah kepada lautan luas.

Menyedari akan kepentingan hutan pesisiran pantai ini, Kementerian Sumber Asli dan Alam Sekitar

On the 26th December 2004, the world was shocked when Tsunami struck and hit the shorelines of the Asian region covering Indonesia (Aceh), Sri Lanka, India, Myanmar, Thailand, the Island of Maldives and those areas on the eastern shores of the African continent and some states in the northern region of Peninsular Malaysia. As a result of a series of earth quakes that strike Northern Sumatera at a scale of 9.0 Richter scale, resulting in after shocks striking Langkawi at 12.20 pm and Kuala Muda experiencing a 2.5 meter high waves at 1.15 pm, that is four hours after the tremor.

Several coastlines were seriously affected resulting in the loss of hundreds of lives especially in areas not protected and vulnerable to Tsunami wave threats.

One of the areas in the northern region of Peninsular Malaysia shorelines seriously affected by the strong hit was Kota Kuala Muda, Kedah. Several houses were destroyed, vehicles swept away, fisherman boats thrown onto the land, jetties destroyed, while other infrastructures were badly affected. It is observed that areas protected with mangrove and nipah stands shown to be less affected as compared to those areas directly facing the open sea.

Notifying the significant contribution of the coastal forests, the Ministry of Natural Resources and

telah membentuk satu Pasukan Petugas Khas Jawatankuasa Operasi Menanam Pokok Bakau dan Spesies-Spesies Yang Sesuai Di Pesisiran Pantai Negara yang dipengerusikan oleh Ketua Setiausaha Kementerian Sumber Asli dan Alam Sekitar untuk mengubal langkah-langkah penting untuk memulih dan memelihara pantai Negara.

Kempen ke arah usaha pemuliharaan bermula dengan Jawatankuasa Tanaman Bakau telah mengatur suatu Majlis Pelancaran Penanaman Pokok Bakau dan Lain-lain Spesies Yang Sesuai Di Pesisiran Pantai Negara. Bagi tujuan ini, Kampung Baru Pulau Sayak di Kota Kuala Muda, Kedah telah dipilih sebagai Tapak Pelancaran Majlis dan telah disempurnakan oleh YAB Perdana Menteri Malaysia pada 2 Februari 2007. Tetamu-tetamu kehormat termasuk YB Dato' Seri Azmi bin Khalid dan YB Dato' Seri Mahadzir bin Khalid telah menanam pokok jenis Bakau Minyak (*Rhizophora apiculata*) bersama penduduk-penduduk setempat yang juga diberi kesempatan menanam pokok-pokok bakau sebanyak 100 pokok sebagai tanda keprihatinan mereka ke atas peranan tumbuhan pesisiran pantai dalam melindungi kawasan penempatan mereka. Majlis ini merupakan permulaan kepada usaha-usaha pemeliharaan hutan bakau dan tanaman pesisiran pantai. Ianya juga merupakan usaha untuk memulihara kawasan pesisiran pantai.

Selain daripada aktiviti penanaman pokok, juga diadakan pameran hutan paya laut oleh Jabatan Perhutanan Semenanjung Malaysia dan Institut Penyelidikan Perhutanan Malaysia. Pameran tersebut mempamerkan maklumat, penyelidikan-penyelidikan yang berkaitan dengan hutan paya laut dan peranannya kepada alam sekitar dan masyarakat setempat.

Seramai lebih kurang 2,000 tetamu telah melibatkan diri di dalam program penanaman pokok, termasuk 100 orang pelajar-pelajar sekolah berdekatan yang dijemput khas ke tapak pelancaran. JKKK Kota Kuala Muda bersama agensi-agensi kerajaan lain seperti Polis DiRaja Malaysia, Jabatan Bomba & Penyelamat,

Environment formed a Special Task Force on the Planting Programme with Mangroves and Other Suitable Tree Species Along the National Coastline chaired by the Secretary-General, Ministry of Natural Resources and Environment has formulated strategies to rehabilitate and conserve the national coastline.

*The campaign for rehabilitation of the coastline began with the forming of the Committee on Mangroves Planting organising the Official Launching of the Planting Programme with Mangroves and Other Suitable Tree Species Along the National Coastline. For this purpose, Kampung Baru Pulau Sayak in Kota Kuala Muda, Kedah was selected for the launching which was officiated by the Honorable Prime Minister of Malaysia on the 2nd February 2007. Other guests of honor, include, YB Dato' Seri Azmi bin Khalid and YB Dato' Seri Mahdzir bin Khalid who planted Bakau Minyak (*Rhizophora apiculata*) together with the villagers who planted 100 mangrove seedlings to show their concerns on the importance of mangrove stands in their village. This event marks the beginning of the efforts on mangrove conservation as well as the vegetation along the coastline. It is also an effort to conserve the national coastline.*

Besides the tree planting activity, exhibition on mangroves were also displayed by the Forestry Department of Peninsular Malaysia and the Forest Research Institute Malaysia. The exhibitions display information, research on mangroves and its role to the environment and local communities.

A total of 2,000 visitors participated in the tree planting programme, including 100 school children from nearby schools were specifically invited to the launching site. The Kota Kuala Muda Village Security Committee (JKKK) and other various government agencies such as the

Jabatan Kerja Raya, Jabatan Penerangan, Jabatan Pendidikan, Jabatan Kesihatan dan Jabatan Pengairan & Saliran juga turut berkerjasama bagi menjayakan majlis itu.

Pelbagai usaha akan dilakukan secara berterusan oleh agensi-agensi yang berkaitan untuk memulih dan memelihara pesisiran pantai negara terutama di lokasi yang telah dilanda ombak Tsunami seperti

Police Force, Fire Department, the Public Works Department, Information Department, Education Department, Health Department and Drainage and Irrigation Department were also invited to participate to make this event a success.

Efforts were continuously taken by the relevant agencies to rehabilitate and conserve the national coastline, especially those areas seriously affected by the Tsunami, Kota Kuala



YAB Perdana Menteri menyampaikan ucapan kepada hadirin dan seterusnya merasmikan Pelancaran Program Penanaman Pokok di Kota Kuala Muda, Kedah pada 2 Februari 2007

YAB Prime Minister delivering his speech to the audience and officiates the Launching Ceremony of Tree Planting Programme at Kota Kuala Muda, Kedah on 2 February 2007



YB Menteri Besar Kedah turut berucap di Majlis Pelancaran pada 2 Februari 2007

YB Kedah Chief Minister also delivered a speech at the Launching Ceremony on 2 February 2007



YB Menteri Sumber Asli dan Alam Sekitar berucap di Majlis Pelancaran pada 2 Februari 2007

YB Minister of Natural Resources and Environment delivering his speech at the Launching Ceremony on 2 February 2007



VVIP yang turut hadir di Majlis Pelancaran

The VVIP at the Launching Ceremony

di Kota Kuala Muda, Kedah. Jabatan Perhutanan Negeri Kedah telah melipatgandakan usaha-usaha pembangunan tanaman bakau di sepanjang pantai Kampung Baru Pulau Sayak, Kampung Sungai Yu, Kota Kuala Muda, Merbok dan juga di Langkawi. Sehingga kini, jumlah tanaman bakau yang telah dilaksanakan di Kedah ialah sebanyak 800,000 anak pokok. Namun, pengamatan susulan dari majlis pelancaran, mendapati kebanyakan anak-anak bakau telah musnah dibawa ombak. *Geotube* yang dipasang sepanjang pantai oleh Jabatan Pengairan & Saliran (JPS) bagi membantu memecah ombak dan melindungi anak-anak pokok dari pukulan ombak kuat juga telah gagal. Institut Penyelidikan Perhutanan Malaysia juga turut menjalankan tanaman percubaan anak-anak bakau sebanyak 1,000 pokok dengan pelbagai kaedah seperti tanaman dalam buluh atau *Bamboo Encasement Method* (BEM), tanaman menggunakan *Comp Mat*, tanaman dalam bakul dan lain-lain tanaman secara konvensional. Namun begitu, teknik-teknik ini juga gagal.

Jabatan Perhutanan Semenanjung Malaysia akan terus memperingati kawasan ini dan bercadang untuk mendirikan sebuah monumen sempena memperingati tragedi ombak besar Tsunami pada tahun 2004.



YAB Perdana Menteri melancarkan Program Penanaman Pokok Bakau Dan Spesis-Spesis Yang Sesuai Di Pesisiran Pantai Negara Peringkat Kebangsaan
YAB Prime Minister officiated the launching of the Planting Programme with Mangroves and Other Suitable Tree Species Along the National Coastline

Muda, Kedah. The Kedah Forestry Department has doubled its efforts towards the development and planting of mangroves along the shores of Kampung Baru Pulau Sayak, Kampung Sungai Yu, Kota Kuala Muda, Merbok and Langkawi. To-date, about 800,000 mangroves and other suitable trees species were planted in Kedah. However, follow-up visits made after the launching ceremony, found that most of trees planted during the launching were either washed away or dead. *Geotube* set up along the shorelines by the Drainage and Irrigation Department to break the waves and to protect the seedlings also failed. The Forest Research Institute also established planting trials of 1,000 mangrove seedlings using the various techniques such as the *Bamboo Encasement Method* (BEM), *Comp Mat*, basket encasement, as well as the conventional method. However, all these techniques failed.

With this, the Forestry Department Peninsular Malaysia will treasure this launching site of the tree planting programme and plans to build a monument to commemorate the Tsunami tragedy in 2004.



YAB Perdana Menteri bersama – sama VVIP di Majlis Pelancaran
YAB Prime Minister with the VVIPs at the Launching Ceremony



VVIP bersama orang ramai menanam pokok-pokok di
Majlis Pelancaran
*VVIPs with the community planting trees at the Launching
Ceremony*



YAB Perdana Menteri menanam pokok Bakau
YAB Prime Minister planting the Mangrove tree

Artikel ini disumbangkan oleh Mohd. Nizum bin Mohd Nor, Penolong Pengarah (Perancangan & Pemeliharaan),
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PROFIL PERHUTANAN
NEGERI
*State Forestry
Profile*

PROFIL PERHUTANAN NEGERI

STATE FORESTRY PROFILE



NEGERI : JOHOR
STATE
IBU NEGERI : JOHOR BAHRU
STATE CAPITAL



Dr. Abd Rahman bin Abd Rahim

1. Penduduk (juta)(2001)* <i>Population (million)(2001)*</i>	3.24
2. Pertumbuhan Keluaran Dalam Negara Kasar Pada Harga Tetap Tahun 2000 (%)++ <i>Growth Gross Domestic Product At Constant Prices Year 2000 (%)++</i>	6.7
3. Keluasan Tanah (ha) <i>Land Area</i>	1,898,629
4. Tanah Berhutan (ha) <i>Forested Land</i>	490,209
5. Tanah Tidak Berhutan (ha) <i>Non-forested Land</i>	1,408,420
6. Sumber Hutan <i>Forest Resources</i>	
a. Hutan Simpanan Kekal/Permanent Reserved Forest (ha)	391,449
b. Ladang Hutan/Forest Plantations** (ha)	43,859
c. Tanah Kerajaan/Stateland (ha)	49,279
d. Taman Hidupan Liar / Wildlife Reserve (ha)	49,431
e. Catuan Tebangan Tahunan (untuk Hutan Simpanan Kekal)*** (ha) <i>Annual Allowable Cut (for Permanent Reserved Forest)</i>	2,250
f. Keluasan yang dikeluarkan untuk pengusahaan + (ha) <i>Area opened for logging</i>	10,930
g. Pengeluaran / Production (m ³)	
• Kayu Balak/Logs	171,047
• Hasil Hutan Lain/Other Forest Products (RM)	743,128
7. Industri Hutan <i>Forest Industry</i>	
a. Bilangan/Number	
• Kilang Papan/Sawmill	76
• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	10
• Kilang Kayu Kumai/Moulding Mill	16
b. Penggunaan Kayu Balak/Consumption of Logs (m ³)	
• Kilang Papan/Sawmill	431,913
• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	24,710
c. Pengeluaran/Production (m ³)	
• Kayu Gergaji/Sawn Timber	282,724
• Papan Lapis/Plywood	14,500
• Kayu Kumai/Moulding	1,125
d. Bilangan Pekerja/Number of Worker	4,717

nota/notes

- * - Sumber : Jabatan Perangkaan Malaysia
Source: Department of Statistics, Malaysia
- ** - Termasuk Ladang - ladang Hutan Kompensatori, Pine, Jati dan Getah
Includes Compensatory Forest Plantation, Pine, Teak and Rubber Plantations
- *** - Seperti yang ditetapkan oleh Majlis Perhutanan Negara
As stipulated by the National Forestry Council
- + - Termasuk kawasan Hutan Simpanan Kekal, Tanah Kerajaan dan Tanah Bermilik
Includes Permanent Reserved Forest, Stateland and Alienated Land
- + + - Sumber : Unit Perancang Ekonomi, JPM
Source : Economic Planning Unit, JPM

PROFIL PERHUTANAN NEGERI

STATE FORESTRY PROFILE



Kasim bin Osman



NEGERI : KEDAH

STATE

IBU NEGERI : ALOR SETAR

STATE CAPITAL



1.	Penduduk (juta)(2001)* <i>Population (million)(2001)*</i>	1.92
2.	Pertumbuhan Keluaran Dalam Negara Kasar Pada Harga Tetap Tahun 2000 (%)++ <i>Growth Gross Domestic Product At Constant Prices Year 2000 (%)++</i>	6.4
3.	Keluasan Tanah (ha) <i>Land Area</i>	942,600
4.	Tanah Berhutan (ha) <i>Forested Land</i>	345,382
5.	Tanah Tidak Berhutan (ha) <i>Non-forested Land</i>	597,218
6.	Sumber Hutan <i>Forest Resources</i>	
a.	Hutan Simpanan Kekal/Permanent Reserved Forest (ha)	342,613
b.	Ladang Hutan/Forest Plantations** (ha)	2,720
c.	Tanah Kerajaan/Stateland (ha)	2,769
d.	Taman Hidupan Liar/Wildlife Reserve (ha)	-
e.	Catuan Tebangan Tahunan (untuk Hutan Simpanan Kekal)*** (ha) <i>Annual Allowable Cut (for Permanent Reserved Forest)</i>	2,340
f.	Keluasan yang dikeluarkan untuk pengusahaan + (ha) <i>Area opened for logging</i>	4,419
g.	Pengeluaran/Production (m ³)	
	• Kayu Balak/Logs	178,092
	• Hasil Hutan Lain/Other Forest Products (RM)	40,233
7.	Industri Hutan <i>Forest Industry</i>	
a.	Bilangan/Number	
	• Kilang Papan/Sawmill	33
	• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	3
	• Kilang Kayu Kumai/Moulding Mill	12
b.	Penggunaan Kayu Balak/Consumption of Logs (m ³)	
	• Kilang Papan/Sawmill	97,478
	• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	122,860
c.	Pengeluaran/Production (m ³)	
	• Kayu Gergaji/Sawn Timber	59,791
	• Papan Lapis/Plywood	172,541
	• Kayu Kumai/Moulding	53,994
d.	Bilangan Pekerja/Number of Worker	3,527

nota/notes

- * - Sumber : Jabatan Perangkaan Malaysia
Source: Department of Statistics, Malaysia
- ** - Termasuk Ladang - ladang Hutan Kompensatori, Pine, Jati dan Getah
Includes Compensatory Forest Plantation, Pine, Teak and Rubber Plantations
- *** - Seperti yang ditetapkan oleh Majlis Perhutanan Negara
As stipulated by the National Forestry Council
- + - Termasuk kawasan Hutan Simpanan Kekal, Tanah Kerajaan dan Tanah Bermilik
Includes Permanent Reserved Forest, Stateland and Alienated Land
- + + - Sumber : Unit Perancang Ekonomi, JPM
Source : Economic Planning Unit, JPM



PROFIL PERHUTANAN NEGERI

STATE FORESTRY PROFILE



NEGERI : KELANTAN
STATE
IBU NEGERI : KOTA BHARU
STATE CAPITAL



Wan Yusoff bin Wan Ahmad

1. Penduduk (juta)(2001)* <i>Population (million)(2001)*</i>	1.56
2. Pertumbuhan Keluaran Dalam Negara Kasar Pada Harga Tetap Tahun 2000 (%)++ <i>Growth Gross Domestic Product At Constant Prices Year 2000 (%)++</i>	4.9
3. Keluasan Tanah (ha) <i>Land Area</i>	1,493,181
4. Tanah Berhutan (ha) <i>Forested Land</i>	886,767
5. Tanah Tidak Berhutan (ha) <i>Non-forested Land</i>	606,414
6. Sumber Hutan <i>Forest Resources</i>	
a. Hutan Simpanan Kekal/Permanent Reserved Forest (ha)	629,687
b. Ladang Hutan/Forest Plantations** (ha)	11,248
c. Tanah Kerajaan/Stateland (ha)	148,297
d. Taman Hidupan Liar/Wildlife Reserve (ha)	108,783
e. Catuan Tebangan Tahunan (untuk Hutan Simpanan Kekal)*** (ha) <i>Annual Allowable Cut (for Permanent Reserved Forest)</i>	6,590
f. Keluasan yang dikeluarkan untuk pengusahaan + (ha) <i>Area opened for logging</i>	28,578
g. Pengeluaran/Production (m ³)	
• Kayu Balak/Logs	1,442,811
• Hasil Hutan Lain/Other Forest Products (RM)	40,344
7. Industri Hutan <i>Forest Industry</i>	
a. Bilangan/Number	
• Kilang Papan/Sawmill	65
• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	5
• Kilang Kayu Kumai/Moulding Mill	7
b. Penggunaan Kayu Balak/Consumption of Logs (m ³)	
• Kilang Papan/Sawmill	1,108,281
• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	12,021
c. Pengeluaran/Production (m ³)	
• Kayu Gergaji/Sawn Timber	512,509
• Papan Lapis/Plywood	7,499
• Kayu Kumai/Mouldings	3,082
d. Bilangan Pekerja/Number of Worker	4,061

nota/notes

- * - Sumber : Jabatan Perangkaan Malaysia
Source: Department of Statistics, Malaysia
- ** - Termasuk Ladang - ladang Hutan Kompensatori, Pine, Jati dan Getah
Includes Compensatory Forest Plantation, Pine, Teak and Rubber Plantations
- *** - Seperti yang ditetapkan oleh Majlis Perhutanan Negara
As stipulated by the National Forestry Council
- + - Termasuk kawasan Hutan Simpanan Kekal, Tanah Kerajaan dan Tanah Bermilik
Includes Permanent Reserved Forest, Stateland and Alienated Land
- + + - Sumber : Unit Perancang Ekonomi, JPM
Source : Economic Planning Unit, JPM

PROFIL PERHUTANAN NEGERI

STATE FORESTRY PROFILE

NEGERI : MELAKA
STATE
IBU NEGERI : BANDAR MELAKA
STATE CAPITAL



1. Penduduk (juta)(2001)* <i>Population (million)(2001)*</i>	0.73
2. Pertumbuhan Keluaran Dalam Negara Kasar Pada Harga Tetap Tahun 2000 (%)++ <i>Growth Gross Domestic Product At Constant Prices Year 2000 (%)++</i>	5.9
3. Keluasan Tanah (ha) <i>Land Area</i>	165,104
4. Tanah Berhutan (ha) <i>Forested Land</i>	5,307
5. Tanah Tidak Berhutan (ha) <i>Non-forested Land</i>	159,797
6. Sumber Hutan <i>Forest Resources</i>	
a. Hutan Simpanan Kekal/Permanent Reserved Forest (ha)	5,079
b. Ladang Hutan/Forest Plantations** (ha)	35
c. Tanah Kerajaan/Stateland (ha)	228
d. Taman Hidupan Liar/Wildlife Reserve (ha)	-
e. Catuan Tebangan Tahunan (untuk Hutan Simpanan Kekal)*** (ha) <i>Annual Allowable Cut (for Permanent Reserved Forest)</i>	-
f. Keluasan yang dikeluarkan untuk pengusahaan + (ha) <i>Area opened for logging</i>	275
g. Pengeluaran/Production (m ³)	
• Kayu Balak/Logs	1,573
• Hasil Hutan Lain/Other Forest Products (RM)	95,658
7. Industri Hutan <i>Forest Industry</i>	
a. Bilangan/Number	
• Kilang Papan/Sawmill	22
• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	1
• Kilang Kayu Kumai/Moulding Mill	-
b. Penggunaan Kayu Balak/Consumption of Logs (m ³)	
• Kilang Papan/Sawmill	34,798
• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	1,856
c. Pengeluaran/Production (m ³)	
• Kayu Gergaji/Sawn Timber	19,645
• Papan Lapis/Plywood	719
• Kayu Kumai/Moulding	-
d. Bilangan Pekerja/Number of Worker	702

nota/notes

- * - Sumber : Jabatan Perangkaan Malaysia
Source: Department of Statistics, Malaysia
- ** - Termasuk Ladang - ladang Hutan Kompensatori, Pine, Jati dan Getah
Includes Compensatory Forest Plantation, Pine, Teak and Rubber Plantations
- *** - Seperti yang ditetapkan oleh Majlis Perhutanan Negara
As stipulated by the National Forestry Council
- + - Termasuk kawasan Hutan Simpanan Kekal, Tanah Kerajaan dan Tanah Bermilik
Includes Permanent Reserved Forest, Stateland and Alienated Land
- + + - Sumber : Unit Perancang Ekonomi, JPM
Source : Economic Planning Unit, JPM

PROFIL PERHUTANAN NEGERI

STATE FORESTRY PROFILE



NEGERI : NEGERI SEMBILAN
STATE

IBU NEGERI : SEREMBAN
STATE CAPITAL



Ahmad Zainal bin Mat Isa

1.	Penduduk (juta)(2001)* <i>Population (million)(2001)*</i>	0.98
2.	Pertumbuhan Keluaran Dalam Negara Kasar Pada Harga Tetap Tahun 2000 (%)++ <i>Growth Gross Domestic Product At Constant Prices Year 2000 (%)++</i>	4.9
3.	Keluasan Tanah (ha) <i>Land Area</i>	664,591
4.	Tanah Berhutan (ha) <i>Forested Land</i>	158,081
5.	Tanah Tidak Berhutan (ha) <i>Non-forested Land</i>	506,510
6.	Sumber Hutan <i>Forest Resources</i>	
a.	Hutan Simpanan Kekal/Permanent Reserved Forest (ha)	154,185
b.	Ladang Hutan/Forest Plantations** (ha)	1,944
c.	Tanah Kerajaan/Stateland (ha)	3,896
d.	Taman Hidupan Liar/Wildlife Reserve (ha)	-
e.	Catuan Tebangan Tahunan (untuk Hutan Simpanan Kekal)*** (ha) <i>Annual Allowable Cut (for Permanent Reserved Forest)</i>	2,460
f.	Keluasan yang dikeluarkan untuk pengusahaan + (ha) <i>Area opened for logging</i>	8,746
g.	Pengeluaran/Production (m ³)	
	• Kayu Balak/Logs	92,607
	• Hasil Hutan Lain/Other Forest Products (RM)	1,209,504
7.	Industri Hutan <i>Forest Industry</i>	
a.	Bilangan/Number	
	• Kilang Papan/Sawmill	45
	• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	4
	• Kilang Kayu Kumai/Moulding Mill	19
b.	Penggunaan Kayu Balak/Consumption of Logs (m ³)	
	• Kilang Papan/Sawmill	355,889
	• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	12,890
c.	Pengeluaran/Production (m ³)	
	• Kayu Gergaji/Sawn Timber	207,628
	• Papan Lapis/Plywood	13,464
	• Kayu Kumai/Moulding	4,964
d.	Bilangan Pekerja/Number of Worker	2,432

nota/notes

* - Sumber : Jabatan Perangkaan Malaysia

Source: Department of Statistics, Malaysia

** - Termasuk Ladang - ladang Hutan Kompensatori, Pine, Jati dan Getah

Includes Compensatory Forest Plantation, Pine, Teak and Rubber Plantations

*** - Seperti yang ditetapkan oleh Majlis Perhutanan Negara

As stipulated by the National Forestry Council

+ - Termasuk kawasan Hutan Simpanan Kekal, Tanah Kerajaan dan Tanah Bermilik

Includes Permanent Reserved Forest, Stateland and Alienated Land

+ + - Sumber : Unit Perancang Ekonomi, JPM

Source : Economic Planning Unit, JPM

PROFIL PERHUTANAN NEGERI

STATE FORESTRY PROFILE



Dato' Che Hashim bin Hassan

NEGERI : PAHANG

STATE

IBU NEGERI : KUANTAN

STATE CAPITAL

1.	Penduduk (juta)(2001)* <i>Population (million)(2001)*</i>	1.48
2.	Pertumbuhan Keluaran Dalam Negara Kasar Pada Harga Tetap Tahun 2000 (%)++ <i>Growth Gross Domestic Product At Constant Prices Year 2000 (%)++</i>	5.1
3.	Keluasan Tanah (ha) <i>Land Area</i>	3,596,585
4.	Tanah Berhutan (ha) <i>Forested Land</i>	1,981,185
5.	Tanah Tidak Berhutan (ha) <i>Non-forested Land</i>	1,615,400
6.	Sumber Hutan <i>Forest Resources</i>	
a.	Hutan Simpanan Kekal/Permanent Reserved Forest (ha)	1,484,099
b.	Ladang Hutan/Forest Plantations** (ha)	24,043
c.	Tanah Kerajaan/Stateland (ha)	165,127
d.	Taman Hidupan Liar/Wildlife Reserve (ha)	331,959
e.	Catuan Tebangan Tahunan (untuk Hutan Simpanan Kekal)*** (ha) <i>Annual Allowable Cut (for Permanent Reserved Forest)</i>	8,330
f.	Keluasan yang dikeluarkan untuk pengusahaan + (ha) <i>Area opened for logging</i>	21,579
g.	Pengeluaran/Production (m ³)	
	• Kayu Balak/Logs	1,136,901
	• Hasil Hutan Lain/Other Forest Products (RM)	1,177,302
7.	Industri Hutan <i>Forest Industry</i>	
a.	Bilangan/Number	
	• Kilang Papan/Sawmill	119
	• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	10
	• Kilang Kayu Kumai/Moulding Mill	28
b.	Penggunaan Kayu Balak/Consumption of Logs (m ³)	
	• Kilang Papan/Sawmill	983,591
	• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	305,755
c.	Pengeluaran/Production (m ³)	
	• Kayu Gergaji/Sawn Timber	679,867
	• Papan Lapis/Plywood	163,421
	• Kayu Kumai/Moulding	32,999
d.	Bilangan Pekerja/Number of Worker	10,050

nota/notes

- * - Sumber : Jabatan Perangkaan Malaysia
Source: Department of Statistics, Malaysia
- ** - Termasuk Ladang - ladang Hutan Kompensatori, Pine, Jati dan Getah
Includes Compensatory Forest Plantation, Pine, Teak and Rubber Plantations
- *** - Seperti yang ditetapkan oleh Majlis Perhutanan Negara
As stipulated by the National Forestry Council
- + - Termasuk kawasan Hutan Simpanan Kekal, Tanah Kerajaan dan Tanah Bermilik
Includes Permanent Reserved Forest, Stateland and Alienated Land
- + + - Sumber : Unit Perancang Ekonomi, JPM
Source : Economic Planning Unit, JPM

PROFIL PERHUTANAN NEGERI

STATE FORESTRY PROFILE



NEGERI : PERAK
STATE
IBU NEGERI : IPOH
STATE CAPITAL



Masran bin Md. Salleh

1.	Penduduk (juta)(2001)* <i>Population (million)(2001)*</i>	2.31
2.	Pertumbuhan Keluaran Dalam Negara Kasar Pada Harga Tetap Tahun 2000 (%)++ <i>Growth Gross Domestic Product At Constant Prices Year 2000 (%)++</i>	5.2
3.	Keluasan Tanah (ha) <i>Land Area</i>	2,102,122
4.	Tanah Berhutan (ha) <i>Forested Land</i>	1,050,225
5.	Tanah Tidak Berhutan (ha) <i>Non-forested Land</i>	1,051,897
6.	Sumber Hutan <i>Forest Resources</i>	
a.	Hutan Simpanan Kekal/Permanent Reserved Forest (ha)	884,205
b.	Ladang Hutan/Forest Plantations** (ha)	4,818
c.	Tanah Kerajaan/Stateland (ha)	41,107
d.	Taman Hidupan Liar/Wildlife Reserve (ha)	124,913
e.	Catuan Tebangan Tahunan (untuk Hutan Simpanan Kekal)*** (ha) <i>Annual Allowable Cut (for Permanent Reserved Forest)</i>	7,770
f.	Keluasan yang dikeluarkan untuk pengusahaan + (ha) <i>Area opened for logging</i>	14,007
g.	Pengeluaran/Production (m ³)	
	• Kayu Balak/Logs	755,638
	• Hasil Hutan Lain/Other Forest Products (RM)	1,583,399
7.	Industri Hutan <i>Forest Industry</i>	
a.	Bilangan/Number	94
	• Kilang Papan/Sawmill	8
	• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	6
	• Kilang Kayu Kumai/Moulding Mill	
b.	Penggunaan Kayu Balak/Consumption of Logs (m ³)	459,449
	• Kilang Papan/Sawmill	29,652
	• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	
c.	Pengeluaran/Production (m ³)	297,878
	• Kayu Gergaji/Sawn Timber	36,398
	• Papan Lapis/Plywood	2,879
	• Kayu Kumai/Moulding	4,234
d.	Bilangan Pekerja/Number of Worker	

nota/notes

- * - Sumber : Jabatan Perangkaan Malaysia
Source: Department of Statistics, Malaysia
- ** - Termasuk Ladang - ladang Hutan Kompensatori, Pine, Jati dan Getah
Includes Compensatory Forest Plantation, Pine, Teak and Rubber Plantations
- *** - Seperti yang ditetapkan oleh Majlis Perhutanan Negara
As stipulated by the National Forestry Council
- + - Termasuk kawasan Hutan Simpanan Kekal, Tanah Kerajaan dan Tanah Bermilik
Includes Permanent Reserved Forest, Stateland and Alienated Land
- + + - Sumber : Unit Perancang Ekonomi, JPM
Source : Economic Planning Unit, JPM

PROFIL PERHUTANAN NEGERI

STATE FORESTRY PROFILE



Roslan bin Ariffin

NEGERI : PERLIS

STATE

IBU NEGERI : KANGAR

STATE CAPITAL



1. Penduduk (juta)(2001)* <i>Population (million)(2001)*</i>	0.23
2. Pertumbuhan Keluaran Dalam Negara Kasar Pada Harga Tetap Tahun 2000 (%)++ <i>Growth Gross Domestic Product At Constant Prices Year 2000 (%)++</i>	4.3
3. Keluasan Tanah (ha) <i>Land Area</i>	80,302
4. Tanah Berhutan (ha) <i>Forested Land</i>	11,555
5. Tanah Tidak Berhutan (ha) <i>Non-forested Land</i>	68,747
6. Sumber Hutan <i>Forest Resources</i>	
a. Hutan Simpanan Kekal/Permanent Reserved Forest (ha)	10,718
b. Ladang Hutan/Forest Plantations** (ha)	633
c. Tanah Kerajaan/Stateland (ha)	769
d. Taman Hidupan Liar/Wildlife Reserve (ha)	68
e. Catuan Tebangan Tahunan (untuk Hutan Simpanan Kekal)*** (ha) <i>Annual Allowable Cut (for Permanent Reserved Forest)</i>	-
f. Keluasan yang dikeluarkan untuk pengusahaan + (ha) <i>Area opened for logging</i>	-
g. Pengeluaran/Production (m ³)	
• Kayu Balak/Logs	-
• Hasil Hutan Lain/Other Forest Products (RM)	1,915,066
7. Industri Hutan <i>Forest Industry</i>	
a. Bilangan/Number	
• Kilang Papan/Sawmill	2
• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	-
• Kilang Kayu Kumai/Moulding Mill	-
b. Penggunaan Kayu Balak/Consumption of Logs (m ³)	
• Kilang Papan/Sawmill	-
• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	-
c. Pengeluaran/Production (m ³)	
• Kayu Gergaji/Sawn Timber	-
• Papan Lapis/Plywood	-
• Kayu Kumai/Moulding	-
d. Bilangan Pekerja/Number of Worker	-

nota/notes

- * - Sumber : Jabatan Perangkaan Malaysia
Source: Department of Statistics, Malaysia
- ** - Termasuk Ladang - ladang Hutan Kompensatori, Pine, Jati dan Getah
Includes Compensatory Forest Plantation, Pine, Teak and Rubber Plantations
- *** - Seperti yang ditetapkan oleh Majlis Perhutanan Negara
As stipulated by the National Forestry Council
- + - Termasuk kawasan Hutan Simpanan Kekal, Tanah Kerajaan dan Tanah Bermilik
Includes Permanent Reserved Forest, Stateland and Alienated Land
- + + - Sumber : Unit Perancang Ekonomi, JPM
Source : Economic Planning Unit, JPM

PROFIL PERHUTANAN NEGERI

STATE FORESTRY PROFILE



NEGERI : PULAU PINANG
STATE
IBU NEGERI : GEORGETOWN
STATE CAPITAL



Samsudin bin Salleh

1. Penduduk (juta)(2001)* <i>Population (million)(2001)*</i>	1.52
2. Pertumbuhan Keluaran Dalam Negara Kasar Pada Harga Tetap Tahun 2000 (%)++ <i>Growth Gross Domestic Product At Constant Prices Year 2000 (%)++</i>	6.5
3. Keluasan Tanah (ha) <i>Land Area</i>	103,150
4. Tanah Berhutan (ha) <i>Forested Land</i>	7,809
5. Tanah Tidak Berhutan (ha) <i>Non-forested Land</i>	95,341
6. Sumber Hutan <i>Forest Resources</i>	
a. Hutan Simpanan Kekal/Permanent Reserved Forest (ha)	6,098
b. Ladang Hutan/Forest Plantations** (ha)	-
c. Tanah Kerajaan/Stateland (ha)	519
d. Taman Hidupan Liar/Wildlife Reserve (ha)	1,192
e. Catuan Tebangan Tahunan (untuk Hutan Simpanan Kekal)*** (ha) <i>Annual Allowable Cut (for Permanent Reserved Forest)</i>	-
f. Keluasan yang dikeluarkan untuk pengusahaan + (ha) <i>Area opened for logging</i>	-
g. Pengeluaran/Production (m ³)	
• Kayu Balak/Logs	-
• Hasil Hutan Lain/Other Forest Products (RM)	35,181
7. Industri Hutan <i>Forest Industry</i>	
a. Bilangan/Number	
• Kilang Papan/Sawmill	38
• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	3
• Kilang Kayu Kumai/Moulding Mill	22
b. Penggunaan Kayu Balak/Consumption of Logs (m ³)	
• Kilang Papan/Sawmill	81,914
• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	32,791
c. Pengeluaran/Production (m ³)	
• Kayu Gergaji/Sawn Timber	51,849
• Papan Lapis/Plywood	18,370
• Kayu Kumai/Moulding	48,925
d. Bilangan Pekerja/Number of Worker	1,524

nota/notes

- * - Sumber : Jabatan Perangkaan Malaysia
Source: Department of Statistics, Malaysia
- ** - Termasuk Ladang - ladang Hutan Kompensatori, Pine, Jati dan Getah
Includes Compensatory Forest Plantation, Pine, Teak and Rubber Plantations
- *** - Seperti yang ditetapkan oleh Majlis Perhutanan Negara
As stipulated by the National Forestry Council
- + - Termasuk kawasan Hutan Simpanan Kekal, Tanah Kerajaan dan Tanah Bermilik
Includes Permanent Reserved Forest, Stateland and Alienated Land
- + + - Sumber : Unit Perancang Ekonomi, JPM
Source : Economic Planning Unit, JPM

PROFIL PERHUTANAN NEGERI

STATE FORESTRY PROFILE



Nik Mohd Shah bin Nik Mustafa

NEGERI : SELANGOR

STATE

IBU NEGERI : SHAH ALAM

STATE CAPITAL



1. Penduduk (juta)(2001)* <i>Population (million)(2001)*</i>	4.96
2. Pertumbuhan Keluaran Dalam Negara Kasar Pada Harga Tetap Tahun 2000 (%)++ <i>Growth Gross Domestic Product At Constant Prices Year 2000 (%)++</i>	5.8
3. Keluasan Tanah (ha) <i>Land Area</i>	791,084
4. Tanah Berhutan (ha) <i>Forested Land</i>	248,289
5. Tanah Tidak Berhutan (ha) <i>Non-forested Land</i>	542,795
6. Sumber Hutan <i>Forest Resources</i>	
a. Hutan Simpanan Kekal/Permanent Reserved Forest (ha)	241,568
b. Ladang Hutan/Forest Plantations** (ha)	11,381
c. Tanah Kerajaan/Stateland (ha)	-
d. Taman Hidupan Liar/Wildlife Reserve (ha)	6,271
e. Catuan Tebangan Tahunan (untuk Hutan Simpanan Kekal)*** (ha) <i>Annual Allowable Cut (for Permanent Reserved Forest)</i>	1,985
f. Keluasan yang dikeluarkan untuk pengusahaan + (ha) <i>Area opened for logging</i>	3,170
g. Pengeluaran/Production (m ³)	37,847
• Kayu Balak/Logs	10,862,868
• Hasil Hutan Lain/Other Forest Products (RM)	
7. Industri Hutan <i>Forest Industry</i>	
a. Bilangan/Number	53
• Kilang Papan/Sawmill	3
• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	46
• Kilang Kayu Kumai/Moulding Mill	
b. Penggunaan Kayu Balak/Consumption of Logs (m ³)	332,718
• Kilang Papan/Sawmill	10,614
• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	
c. Pengeluaran/Production (m ³)	185,357
• Kayu Gergaji/Sawn Timber	21,851
• Papan Lapis/Plywood	17,296
• Kayu Kumai/Moulding	2,636
d. Bilangan Pekerja/Number of Worker	

nota/notes

- * - Sumber : Jabatan Perangkaan Malaysia
Source: Department of Statistics, Malaysia
- ** - Termasuk Ladang - ladang Hutan Kompensatori, Pine, Jati dan Getah
Includes Compensatory Forest Plantation, Pine, Teak and Rubber Plantations
- *** - Seperti yang ditetapkan oleh Majlis Perhutanan Negara
As stipulated by the National Forestry Council
- + - Termasuk kawasan Hutan Simpanan Kekal, Tanah Kerajaan dan Tanah Bermilik
Includes Permanent Reserved Forest, Stateland and Alienated Land
- + + - Sumber : Unit Perancang Ekonomi, JPM
Source : Economic Planning Unit, JPM

PROFIL PERHUTANAN NEGERI

STATE FORESTRY PROFILE



NEGERI : TERENGGANU

STATE

IBU NEGERI : KUALA TERENGGANU

STATE CAPITAL



Na'aman bin Jaafar

1. Penduduk (juta)(2001)* <i>Population (million)(2001)*</i>	1.06
2. Pertumbuhan Keluaran Dalam Negara Kasar Pada Harga Tetap Tahun 2000 (%)++ <i>Growth Gross Domestic Product At Constant Prices Year 2000 (%)++</i>	3.5
3. Keluasan Tanah (ha) <i>Land Area</i>	1,295,566
4. Tanah Berhutan (ha) <i>Forested Land</i>	656,325
5. Tanah Tidak Berhutan (ha) <i>Non-forested Land</i>	639,241
6. Sumber Hutan <i>Forest Resources</i>	
a. Hutan Simpanan Kekal/Permanent Reserved Forest (ha)	545,818
b. Ladang Hutan/Forest Plantations** (ha)	3,860
c. Tanah Kerajaan/Stateland (ha)	33,000
d. Taman Hidupan Liar/Wildlife Reserve (ha)	77,507
e. Catuan Tebangan Tahunan (untuk Hutan Simpanan Kekal)*** (ha) <i>Annual Allowable Cut (for Permanent Reserved Forest)</i>	5,230
f. Keluasan yang dikeluarkan untuk pengusahaan + (ha) <i>Area opened for logging</i>	11,895
g. Pengeluaran/Production (m ³)	
• Kayu Balak/Logs	403,786
• Hasil Hutan Lain/Other Forest Products (RM)	440,103
7. Industri Hutan <i>Forest Industry</i>	
a. Bilangan/Number	
• Kilang Papan/Sawmill	99
• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	4
• Kilang Kayu Kumai/Moulding Mill	15
b. Penggunaan Kayu Balak/Consumption of Logs (m ³)	
• Kilang Papan/Sawmill	501,408
• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	46,270
c. Pengeluaran/Production (m ³)	
• Kayu Gergaji/Sawn Timber	368,139
• Papan Lapis/Plywood	24,382
• Kayu Kumai/Moulding	30,452
d. Bilangan Pekerja/Number of Worker	5,775

nota/notes

* - Sumber : Jabatan Perangkaan Malaysia

Source: Department of Statistics, Malaysia

** - Termasuk Ladang - ladang Hutan Kompensatori, Pine, Jati dan Getah

Includes Compensatory Forest Plantation, Pine, Teak and Rubber Plantations

*** - Seperti yang ditetapkan oleh Majlis Perhutanan Negara

As stipulated by the National Forestry Council

+ - Termasuk kawasan Hutan Simpanan Kekal, Tanah Kerajaan dan Tanah Bermilik

Includes Permanent Reserved Forest, Stateland and Alienated Land

+ + - Sumber : Unit Perancang Ekonomi, JPM

Source : Economic Planning Unit, JPM

PROFIL PERHUTANAN NEGERI

STATE FORESTRY PROFILE



Borhanudin bin Arshad

NEGERI : WILAYAH PERSEKUTUAN
STATE

IBU NEGERI : KUALA LUMPUR
STATE CAPITAL



1. Penduduk (juta)(2001)* <i>Population (million)(2001)*</i>	1.60
2. Pertumbuhan Keluaran Dalam Negara Kasar Pada Harga Tetap Tahun 2000 (%)++ <i>Growth Gross Domestic Product At Constant Prices Year 2000 (%)++</i>	9.4
3. Keluasan Tanah (ha) <i>Land Area</i>	24,400
4. Tanah Berhutan (ha) <i>Forested Land</i>	61
5. Tanah Tidak Berhutan (ha) <i>Non-forested Land</i>	24,339
6. Sumber Hutan <i>Forest Resources</i>	
a. Hutan Simpanan Kekal/Permanent Reserved Forest (ha)	61
b. Ladang Hutan/Forest Plantations** (ha)	-
c. Tanah Kerajaan/Stateland (ha)	-
d. Taman Hidupan Liar/Wildlife Reserve (ha)	-
e. Catuan Tebangan Tahunan (untuk Hutan Simpanan Kekal)*** (ha) <i>Annual Allowable Cut (for Permanent Reserved Forest)</i>	-
f. Keluasan yang dikeluarkan untuk pengusahaan + (ha) <i>Area opened for logging</i>	-
g. Pengeluaran/Production (m ³)	
• Kayu Balak/Logs	-
• Hasil Hutan Lain/Other Forest Products (RM)	-
7. Industri Hutan <i>Forest Industry</i>	
a. Bilangan/Number	
• Kilang Papan/Sawmill	21
• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	2
• Kilang Kayu Kumai/Moulding Mill	4
b. Penggunaan Kayu Balak/Consumption of Logs (m ³)	
• Kilang Papan/Sawmill	3,652
• Kilang Papan Lapis/Venir/Plywood/Veneer Mill	-
c. Pengeluaran/Production (m ³)	
• Kayu Gergaji/Sawn Timber	2,643
• Papan Lapis/Plywood	-
• Kayu Kumai/Moulding	-
d. Bilangan Pekerja/Number of Worker	10

nota/notes

- * - Sumber : Jabatan Perangkaan Malaysia
Source: Department of Statistics, Malaysia
- ** - Termasuk Ladang - ladang Hutan Kompensatori, Pine, Jati dan Getah
Includes Compensatory Forest Plantation, Pine, Teak and Rubber Plantations
- *** - Seperti yang ditetapkan oleh Majlis Perhutanan Negara
As stipulated by the National Forestry Council
- + - Termasuk kawasan Hutan Simpanan Kekal, Tanah Kerajaan dan Tanah Bermilik
Includes Permanent Reserved Forest, Stateland and Alienated Land
- + + - Sumber : Unit Perancang Ekonomi, JPM
Source : Economic Planning Unit, JPM



PERISTIWA DALAM TAHUN 2007 EVENTS IN 2007

**4 Januari /
January**

Majlis Memperbaharui Ikrar
Perkhidmatan Awam 2007 di Ibu Pejabat
Perhutanan.
*Year 2007 Public Services Pledge
Ceremony at Forestry Department
Headquarters*



**17-19 Januari /
January**

Retreat Bagi Membincangkan Perancangan Pelaksanaan
Fizikal dan Pembangunan dan Perbelanjaan RMK9
di Pulau Pangkor, Perak
*Retreat to Discuss the Planning for the Physical
Implementation and Development and Expenditure
under the 9th Malaysia Plan in Pulau Pangkor, Perak*



**2 Februari /
February**

Majlis Pelancaran Program Penanaman Pokok Bakau
dan Spesies-spesies Yang Sesuai Di Pesisiran Pantai
Negara yang telah disempurnakan oleh Y.A.B. Datuk
Seri Abdullah bin Hj. Ahmad Badawi, Perdana Menteri
Malaysia, di Kg Pulau Sayak, Kedah
*Launching of the Planting Programme with Mangroves
and Other Suitable Tree Species Along the National
Coastline by Y.A.B. Datuk Seri Abdullah bin Hj. Ahmad
Badawi, Prime Minister of Malaysia, at Kg Pulau
Sayak, Kedah*



**11-15 Mac /
March**

Kursus Pengenalan Mesin/Peralatan dan
Tatacara Permohonan Industri Berasas Kayu
(Siri 1/2007) di Kuala Terengganu, Terengganu
*Introductory Course on Machinery/Equipment
and Application Procedure of Wood-based
Industries (Series 1/2007) at Kuala Terengganu,
Terengganu*



**20 - 21 Mac /
March**

Persidangan Kebangsaan Pengurusan dan
Konservasi Biodiversiti Hutan di Malaysia
di Hotel Marriot, Putrajaya
*National Conference on the Management and
Conservation of Forest Biodiversity in Malaysia
at Marriot Hotel, Putrajaya*





**8 Mei/
May**

Majlis Penyampaian Sijil Bagi Kursus Sijil Renjer Hutan dan Sijil Pengawas Hutan
Certificate Presentation Ceremony for the Forest Ranger and Foresters Certificate Course

**9-12 Mei/
May**

Retreat Pegawai-pegawai Kanan Bagi Perancangan Pelan Strategik JPSM di Genting Highlands, Pahang
Senior Officer's Retreat on Strategic Planning for FDPM at Genting Highlands, Pahang



**20 - 25 Mei/
May**

Ekspedisi Saintifik Kepelbagaian Biologi Hutan Pergunungan, Cameron Highlands, Pahang
Forest Biological Diversity Scientific Expedition of Montane Forest, Cameron Highlands, Pahang

**24 Mei/
May**

Lawatan Kerja Menteri Sumber Asli Dan Alam Sekitar ke Jabatan Perhutanan Negeri Sembilan

Working Visit by the Honourable Minister of Natural Resources and Environment to Negeri Sembilan State Forestry Department



**11 Jun/
June**

Lawatan Kerja Oleh Pegawai-Pegawai Kanan Jabatan Perhutanan Sarawak Ke Pusat Eko-Pelajaran Hutan Paya Laut Matang, Kuala Sepetang, Perak

Working Visit by the Senior Officers of the Sarawak Forestry Department to the Eco-Education Centre, Matang Mangrove Forest, Kuala Sepetang, Perak





13 - 23 Jun / June

Lawatan staf Jabatan Perhutanan Sarawak Ke Delta Kelantan, Kelantan
Visit by the Sarawak Forestry Department staff to the Kelantan Delta, Kelantan

18 - 23 Jun / June

Ekspedisi Saintifik Kepelbagaian Biologi Hutan Taman Royal Belum II, Perak.
Forest Biological Diversity Scientific Expedition of Taman Royal Belum II, Perak



24 - 30 Jun / June

Kursus Keselamatan dan Kesihatan Pekerjaan di Sektor Perhutanan untuk Pihak Pengurusan anjuran Ibu Pejabat Perhutanan di Pulau Langkawi, Kedah
Course on Occupational Safety and Health in Forestry Sector for Managerial Level Organized by Forestry Department Headquarters in Pulau Langkawi, Kedah



2 - 6 Julai / July

Ekspedisi Saintifik Kepelbagaian Biologi Hutan Gunung Angsi, Kuala Pilah, Negeri Sembilan
Forest Biological Diversity Scientific Expedition of Gunung Angsi, Kuala Pilah, Negeri Sembilan



27 Julai - 2 Ogos / July - August

Retreat Pembalakan Haram di Genting Highlands, Pahang
Retreat on Illegal Logging at Genting Highlands, Pahang



6 - 7 Ogos / August

Seminar Ekspedisi Saintifik Kepelbagaian
Biologi Hutan Bukit Bauk, Terengganu
di Awana Kijal, Terengganu
*Seminar on Forest Biological Diversity
Scientific Expedition of Bukit Bauk,
Terengganu at Awana Kijal, Terengganu.*



12 - 16 Ogos / August

Kursus Pengenalan Mesin/Peralatan dan
Tatacara Permohonan Industri Berasas Kayu
(Siri 2/2007) di Port Dickson, Negeri Sembilan
*Introductory Course on Machinery/Equipment
and Application Procedure of Wood-based
Industries (Series 2/2007) in Port Dickson, Negeri
Sembilan*



13 - 24 Ogos / August

Bengkel 'Human Resources Development in
Geographic Information System & Remote Sensing
For The Forestry Personnel of ASEAN Countries' di
Kuala Lumpur
*Workshop on Human Resources Development in
Geographic Information System & Remote Sensing
For The Forestry Personnel of ASEAN Countries in
Kuala Lumpur*



17 Ogos / August

Majlis Gotong-Royong dan Sambutan
Hari Kemerdekaan ke 50 di Ibu Pejabat
Perhutanan
*Gotong-Royong Programme and 50th
Independence Day Celebration at Forestry
Department Headquarters*



20 - 24 Ogos / August

Lawatan Persidangan Pengarah-
Pengarah Perhutanan Negeri
Semenanjung Malaysia Ke-27 di Johor
Bahru
*27th State Forestry Director's
Conference in Johor Bahru, Johore*



**24 Ogos /
August**

Majlis Sambutan Hari Kualiti Jabatan
Perhutanan Semenanjung Malaysia di
Johor Bahru, Johor
*Forestry Department Peninsular
Malaysia Quality Day Ceremony at
Johor Bahru, Johore*



**7 September /
September**

Kempen Dema Darah di Ibu Pejabat Perhutanan
*Blood Donation Campaign at Forestry Department
Headquarters*



**9 September /
September**

Lawatan Ahli-Ahli Jawatankuasa Mesyuarat
Pasukan Petugas Khas Tanaman Bakau Dan
Spesies-Spesies Yang Sesuai Di Pesisiran Pantai
Negara Ke Delta Kelantan.
*Visit by the Special Task Force of the Planting With
Mangroves and Other Suitable Species Along the
National Coastline to the Kelantan Delta*



**11 September /
September**

Persidangan Gaharu Kebangsaan 2007 di
Hotel Seri Pacific, Kuala Lumpur
*2007 National Gaharu Conference at Seri
Pacific Hotel, Kuala Lumpur*



**18 September /
September**

Majlis Perhutanan Negara ke 21 di Putrajaya
*21st National Forestry Council Meeting at
Putrajaya*



**24 September /
September**

Majlis Berbuka Puasa dan Solat Sunat
Tarawikh di Ibu Pejabat Perhutanan
*The Breaking of Fast and Tarawikh Prayer at
the Forestry Department Headquarters*



**2 - 4 November /
November**

Kempen Kesedaran Alam Sekitar "Treasure The
Mangroves" di Taman Negara Tanjung Piai, Johor
*Treasure The Mangrove Environmental
Awareness Campaign at Tanjung Piai, Johore*



**7 November /
November**

Majlis Sambutan Hari Raya di Ibu Pejabat
Perhutanan
*Hari Raya Celebration at Forestry Department
Headquarters*



**11 November /
November**

Lawatan Y.Bhg. Datuk Seri Utama Jeane Abdullah Ke
Taman Botanical, Ayer Keroh, Melaka
*Visit by Y.Bhg. Datuk Seri Utama Jeane Abdullah
to Botanical Garden, Ayer Keroh, Melaka*



**15 November /
November**

Bengkel Kebangsaan "Central Forest Spine" di
Kuantan, Pahang
*National Workshop on Central Forest Spine at
Kuantan, Pahang*



3 - 4 Disember / December

Seminar Ekspedisi Saintifik Kepelbagaian
Biologi Hutan Gunung Pantii, Johor di Johor
Bharu

*Seminar on Forest Biological Diversity
Scientific Expedition of Gunung Pantii, Johore
at Johor Bharu*



5 - 7 Disember / December

Retreat Bagi Membincangkan Perancangan
Pelaksanaan Fizikal dan Pembangunan dan
Perbelanjaan RMK9 di Pasir Salak, Perak
*Retreat to Discuss the Planning for the Physical
Implementation and Development and
Expenditure of Projects under the 9th Malaysia
Plan at Pasir Salak, Perak*



7 - 9 Disember / December

Pameran Perhutanan Sempena Minggu
Perkayuan Negeri Johor
*Forestry Exhibition In Conjunction With Johore
Timber Week*



10 - 11 Disember / December

Seminar Ekspedisi Saintifik Kepelbagaian
Biologi Hutan Simpan Bintang Hijau, Negeri
Perak di Lumut, Perak
*Seminar on Forest Biological Diversity
Scientific Expedition of Bintang Hijau Forest
Reserve, Perak at Lumut, Perak*



16 - 17 Disember / December

Seminar Penilaian Ekonomi Barangan
dan Perkhidmatan Hutan 2007 di Kuala
Terengganu, Terengganu
*Seminar on Economic Valuation of
Forest Goods and Services 2007 at Kuala
Terengganu, Terengganu*



18 Disember / December

Lawatan Kerja oleh YAB Menteri Besar Negeri
Sembilan Ke Taman Ular Sawa Di Ulu Bendul
Kuala Pilah, Negeri Sembilan
*Working visit by YAB Negeri Sembilan Chief
Minister to Ulu Bendul Snake Park, Kuala Pilah,
Negeri Sembilan*





JADUAL
TABLES

Jadual 1 : Tanah Berhutan Dan Tidak Berhutan, Semenanjung Malaysia Pada 31 Disember, 2007 (ha)
Table 1 : Forested And Non-forested Land, Peninsular Malaysia As At 31 December, 2007

Negeri State	Keluasan Tanah Land Area	HUTAN SIMPANAN KEKAL Permanent Reserved Forest					KAWASAN HUTAN LAIN Other Forested Area					JUMLAH BESAR Grand Total		
		Sedia ada Pada 1.1.2007 Existing At 1.1.2007	Diluluskan Oleh Mmk Tetapi Belum Diwartakan Approved By Exco But Not Yet Gazetted	Diwartakan Tahun Semasa Gazetted During The Year	Diluluskan Oleh Mmk Untuk Dikeluarkan Tetapi Belum Diwartakan Approved By Exco For Excision But Not Yet Gazetted	Diwartakan Pada Tahun Semasa Existed During The Year	Jumlah Total	Tanah Kerajaan State Land	Taman Hidupan Liar / taman Negara Wild Life Reserved / national Parks		Lain-lain Kawasan Rizab Other Reserves	Jumlah Total	Berhutan Forested	Tidak Berhutan Non Forested
									Bertindih Dengan HSK Overlapped With PRF	Tidak Bertindih Dengan HSK Not Overlapped With PRF				
Johor	1,898,629	340,941	50,558	-	-	-	391,499	49,279	9,322	49,431	-	98,710	490,209	1,408,420
Kedah	942,600	307,046	35,567	-	-	-	342,613	2,769	-	-	-	2,769	345,382	597,218
Kelantan	1,493,181	629,687	-	-	-	-	629,687	148,297	-	108,783	-	257,080	886,767	606,414
Melaka	165,104	4,742	337	-	-	-	5,079	228	-	-	-	228	5,307	159,797
N.S	664,591	158,103	-	-	-	3,918	154,185	3,896	-	-	-	3,896	158,081	506,510
Pahang	3,596,585	1,409,978	35,351	38,770	-	-	1,484,099	165,127	-	331,959	-	497,086	1,981,185	1,615,400
Perak	2,102,122	1,001,705	-	-	117,500 *	-	884,205	41,107	-	124,913	-	166,020	1,050,225	1,051,897
Perlis	80,302	10,718	-	-	-	-	10,718	769	-	68	-	837	11,555	68,747
P.P	103,150	5,139	959	-	-	-	6,098	519	-	1,192	-	1,711	7,809	95,341
Selangor	791,084	241,568	-	-	-	-	241,568	-	-	6,721	-	6,721	248,289	542,795
TRG	1,295,566	538,063	7,755	-	-	-	545,818	33,000	-	77,507	-	110,507	656,325	639,241
W.P	29,331	61	-	-	-	-	61	-	-	-	-	-	61	29,270
Jumlah / Total	13,162,245	4,647,751	130,827	38,770	117,500	3,918	4,895,630	444,991	9,322	700,574	-	1,145,565	5,841,195	7,321,050

* Taman Negeri Royal Belum (117,500 ha)

Royal Belum State Park (117,500 ha)

W.P : Wilayah Persekutuan Temasuk Putrajaya

Federal Territory Including Putrajaya





Jadual 2 : Keluasan Hutan Simpanan Kekal Mengikut Jenis-jenis Hutan, Semenanjung Malaysia Pada 31 Disember, 2007 (ha)

Table 2 : *Permanent Reserved Forest By Forest Types, Peninsular Malaysia As At 31 December, 2007*

Negeri State	Keluasan Tanah Land Area	Hutan Simpanan Kekal (HSK) Permanent Reserved Forest (PRF)					Jumlah Keluasan HSK Total Area of PRF
		Hutan Darat Inland Forest	Hutan Paya Gambut Peat Swamp Forest	Hutan Paya Laut Mangrove Forest	Jumlah Total	Ladang Hutan Forest Plantation	
Johor	1,898,629	309,175	5,429	33,036	347,640	43,859	391,499
Kedah	942,600	333,692	-	6,201	339,893	2,720	342,613
Kelantan	1,493,181	618,439	-	-	618,439	11,248	629,687
Melaka	165,104	4,952	-	92	5,044	35	5,079
N.S	664,591	152,241	-	-	152,241	1,944	154,185
Pahang	3,596,585	1,319,917	137,101	3,038	1,460,056	24,043	1,484,099
Perak	2,102,122	838,921	-	40,466	879,387	4,818	884,205
Perlis	80,302	10,085	-	-	10,085	633	10,718
P.P	103,150	5,058	-	1,040	6,098	-	6,098
Selangor	791,084	130,640	81,458	18,089	230,187	11,381	241,568
TRG	1,295,566	526,906	13,757	1,295	541,958	3,860	545,818
W.P	29,331	61	-	-	61	-	61
JUMLAH / TOTAL	13,162,245	4,250,087	237,745	103,257	4,591,089	104,541	4,695,630

W.P : Wilayah Persekutuan Termasuk Putrajaya

Federal Territory Including Putrajaya

Jadual 3 : Keluasan Hutan Yang Dileaskan Untuk Pengusahaan, Semenanjung Malaysia, 2007 (ha)

Table 3 : Forest Area Licensed For Harvesting, Peninsular Malaysia, 2007

Negeri State	Hutan Simpanan Kekal (HSK) Permanent Reserved Forest (PRF)							Tanah Kerajaan Stateland	Tanah Bermilik Alienated Land	Jumlah Besar Grand Total
	Catuan Tebangan Tahunan Annual Allowable Cut		Tujuan Pembangunan Development Purposes	Ladang Hutan Plantation Forest	Lain-lain Others	Jumlah Total				
	Catuan Tebangan Tahunan Annual Allowable Cut	Diusahasilkan Logged								
Johor	2,250	1,420	274	4,249	129	6,072	3,227	1,631	10,930	
Kedah	2,340	1,370	637	-	-	2,007	1,068	1,344	4,419	
Kelantan	6,590	6,569	210	10,426	180	17,385	7,824	3,369	28,578	
Melaka	-	-	-	-	-	-	45	230	275	
N.S	2,460	642	108	953	770	2,473	3,815	2,458	8,746	
Pahang	8,330	7,558	480	854	-	8,892	10,150	2,537	21,579	
Perak	7,770	7,200	-	701	-	7,901	2,541	3,565	14,007	
Perlis	-	-	-	-	-	-	-	-	-	
P.P	-	-	-	-	-	-	-	-	-	
Selangor	1,985	942	-	963	-	1,905	87	1,178	3,170	
TRG	5,230	3,920	-	-	-	3,920	1,795	6,180	11,895	
W.P.K.L	-	-	-	-	-	-	-	-	-	
JUMLAH / TOTAL	36,955	29,621	1,709	18,146	1,079	50,555	30,552	22,492	103,599	



Jadual 4 : Penggunaan Kayu Balak Dan Kayu Gergaji Oleh Industri Berasas Kayu Yang Terpilih, Semenanjung Malaysia, 2007 (m³)

Table 4 : Consumption Of Logs And Sawntimber By Selected Wood-Based Industries, Peninsular Malaysia, 2007

Negeri State	Penggunaan Kayu Balak Consumption Of Logs			Penggunaan Kayu Gergaji Consumption Of Sawntimber
	Kilang Papan Sawmills	Kilang Papan Lapis/Venir Plywood/Veneer Mills	Jumlah Total	
Johor	431,913	24,710	456,623	1,851
Kedah	97,478	122,860	220,338	167,006
Kelantan	1,108,281	12,021	1,120,302	12,796
Melaka	34,798	1,856	36,654	-
N.S	355,889	12,890	368,779	5,147
Pahang	983,591	305,755	1,289,346	34,835
Perak	459,449	29,652	489,101	3,332
Perlis	-	-	-	-
P.P	81,914	32,791	114,705	59,463
Selangor	322,718	10,614	333,332	30,479
TRG	501,408	46,270	547,678	33,311
W.P.K.L	3,652	-	3,652	-
Jumlah/Total	4,381,091	599,419	4,980,510	348,220

Jadual 5 : Hasil Hutan, Semenanjung Malaysia, 2007 (RM)
Table 5 : Forest Revenue, Peninsular Malaysia, 2007

Negeri State	Premium Premium	Royalti Royalty		Ses Cess	Sumber Lain Other Sources	Jumlah Besar Grand Total
		Kayu Balak Logs	Keluaran Hutan Lain Other Forest Products			
Johor	8,846,211	4,417,235	743,128	847,171	13,561,754	28,415,499
Kedah	9,205,188	2,052,116	40,233	1,818,722	610,717	13,726,976
Kelantan	41,245,441	27,307,526	40,344	13,890,628	11,911,897	94,395,836
Melaka	53,804	161,012	95,658	20,045	-	330,519
N.S	5,893,065	1,987,912	1,209,504	997,588	587,710	10,675,779
Pahang	48,738,441	10,918,695	1,177,302	11,483,583	2,298,132	74,616,153
Perak	13,137,343	12,694,352	1,583,399	7,758,000	2,585,980	37,759,074
Perlis	53,240	3,691	1,915,066	975	65,578	2,038,550
P.P	-	-	35,181	15,026	164,679	214,886
Selangor	3,250,401	843,790	10,862,868	751,488	1,099,364	16,807,911
TRG	24,820,369	4,739,400	440,103	3,559,548	1,900,492	35,459,912
W.P.K.L	-	-	-	-	-	-
Jumlah/Total	155,243,503	65,125,729	18,142,786	41,142,774	34,786,303	314,441,095

Jadual 6 : Perbelanjaan Mengurus Dan Pembangunan, Semenanjung Malaysia, 2007 (RM)

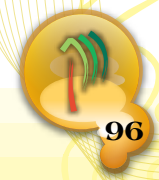
Table 6 : Operating And Development Expenditure, Peninsular Malaysia, 2007

Negeri State	Perbelanjaan Mengurus Operating Expenditure						Perbelanjaan Pembangunan Development Expenditure	Jumlah Besar Grand Total
	Emolumen Emolument	Perkhidmatan dan Bekalan Services and Supplies	Aset Assets	Bayaran Pindahan Transfer Allowance	Lain-Lain Others	Jumlah Total		
Johor	6,373,879	200,096	5,500	27,528	-	6,607,003	4,478,691	11,085,694
Kedah	7,595,756	1,043,122	52,964	-	-	8,691,842	6,830,870	15,522,712
Kelantan	7,097,999	2,005,316	31,465	233,700	-	9,368,480	731,694	10,100,174
Melaka	1,140,829	403,086	750	162,184	4,000	1,710,849	196,312	1,907,161
N.S	5,197,999	1,076,050	116,969	-	-	6,391,018	2,552,247	8,943,265
Pahang	26,334,935	8,344,984	2,313,391	-	-	36,993,310	3,041,621	40,034,931
Perak	13,517,511	958,906	192,050	14,524	4,449,172	19,132,163	15,927,107	35,059,270
Perlis	758,872	457,723	6,000	18,000	-	1,240,595	4,581,744	5,822,339
P.P	1,085,316	376,674	14,965	-	-	1,476,955	3,004,539	4,481,494
Selangor	8,466,283	2,118,711	200,000	26,000	40,579	10,851,573	5,297,438	16,149,011
TRG	17,035,639	3,276,923	1,411,115	-	-	21,723,677	4,998,517	26,722,194
W.P.K.L	10,554,536	5,906,815	459,220	-	214,634	17,135,205	18,323,639	35,458,844
Jumlah/Total	105,159,554	26,168,406	4,804,389	481,936	4,708,385	141,322,670	69,964,419	211,287,089

Jadual 7 : Pengeluaran Oleh Industri Berasas Kayu Yang Terpilih, Semenanjung Malaysia, 2007 (m³)

Table 7 : Production Of Selected Wood-Based Industries, Peninsular Malaysia, 2007

Negeri State	Kilang Papan Sawmills	Kilang Papan Lapis/Venir Plywood/Veneer Mills			Kilang Kayu Kumai Moulding Mills
	Kayu Gergaji Sawntimber	Papan Lapis Plywood	Venir Veneer	Papan Blok Blockboard	Kayu Kumai Moulding
Johor	282,724	14,500	6,500	-	1,125
Kedah	59,791	172,541	-	-	53,994
Kelantan	512,509	7,499	7,438	-	3,082
Melaka	19,645	719	-	-	-
N.S	207,628	13,464	22,293	-	4,964
Pahang	679,867	163,421	6,570	41	32,999
Perak	297,878	36,398	173	-	2,879
Perlis	-	-	-	-	-
P.P	51,849	18,370	-	-	48,925
Selangor	185,357	21,851	1,224	-	17,296
TRG	368,139	24,382	1,095	-	30,452
W.P.K.L	2,643	-	-	-	-
Jumlah/Total	2,668,030	473,145	45,293	41	195,716



Jadual 8 : Bilangan Kilang Dalam Industri Berasas Kayu Yang Terpilih, Semenanjung Malaysia, 2007
Table 8 : Number Of Mills In Selected Wood-Based Industries, Peninsular Malaysia, 2007

Negeri State	Kilang Papan Sawmills		Kilang Papan Lapis/Venir Plywood/Veneer Mills		Kilang Kayu Kumai Moulding Mills	
	Berlesen Licensed	Beroperasi Operating	Berlesen Licensed	Beroperasi Operating	Berlesen Licensed	Beroperasi Operating
Johor	76	52	10	4	16	5
Kedah	33	21	3	3	12	2
Kelantan	65	51	5	2	7	2
Melaka	22	10	1	1	-	-
N.S	45	26	4	1	19	3
Pahang	119	80	10	8	28	12
Perak	94	73	8	4	6	2
Perlis	2	0	-	-	-	-
P.P	38	25	3	2	22	9
Selangor	53	31	3	3	46	19
TRG	99	67	4	3	15	11
W.P.K.L	21	2	2	-	4	-
Jumlah/Total	667	438	53	31	175	65

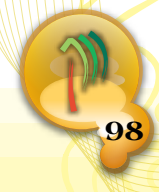
Jadual 9 : Gunatena Dalam Industri Pembalakan dan Industri Berasas Kayu Yang Terpilih, Semenanjung Malaysia, 2007**Table 9 :** *Employment In The Logging and Selected Wood-Based Industries, Peninsular Malaysia, 2007*

Negeri State	Pembalakan Logging			Kilang Papan Sawmills			Kilang Papan Lapis/Venir Plywood/Veneer Mills			Kilang Kayu Kumai Moulding Mills			Jumlah Besar Grand Total		
	BP	BBP & BW	Jumlah Total	BP	BBP & BW	Jumlah Total	BP	BBP & BW	Jumlah Total	BP	BBP & BW	Jumlah Total	BP	BBP & BW	Jumlah Total
Johor	461	474	935	1,343	1,480	2,823	65	817	882	32	45	77	1,901	2,816	4,717
Kedah	393	163	556	559	942	1,501	150	985	1,135	30	305	335	1,132	2,395	3,527
Kelantan	622	313	935	2,478	477	2,955	23	92	115	47	9	56	3,170	891	4,061
Melaka	-	-	-	368	284	652	13	37	50	-	-	-	381	321	702
N.S	157	432	589	401	1,198	1,599	26	190	216	-	28	28	584	1,848	2,432
Pahang	1,130	1,242	2,372	2,772	1,912	4,684	104	1,928	2,032	420	542	962	4,426	5,624	10,050
Perak	692	678	1,370	901	1,369	2,270	137	305	442	91	61	152	1,821	2,413	4,234
Perlis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P.P	-	-	-	231	636	867	23	182	205	133	319	452	387	1,137	1,524
Selangor	229	118	347	230	394	624	15	6	21	130	1,514	1,644	604	2,032	2,636
TRG	530	272	802	2,615	431	3,046	19	579	598	1,002	327	1,329	4,166	1,609	5,775
W.P.K.L	-	-	-	3	7	10	-	-	-	-	-	-	3	7	10
Jumlah/Total	4,214	3,692	7,906	11,901	9,130	21,031	575	5,121	5,696	1,885	3,150	5,035	18,575	21,093	39,668

BP = Bumiputera

BBP = Bukan Bumiputera / Non - Bumiputera

BW = Bukan Warganegara / Non - Malaysian



Jadual 10 : Pengeluaran Kayu Balak Mengikut Spesies, Semenanjung Malaysia, 2007 (m³)

Table 10 : Log Production By Species, Peninsular Malaysia, 2007

Species Species	Johor	Kedah	Kelantan	Melaka	N.S	Pahang	Perak	Perlis	P.P	Selangor	TRG	W.P.K.L	Jumlah Besar Grand Total
Balau	4,245	1,740	20,507	-	2,529	17,085	16,958	-	-	1,130	21,069	-	85,263
Balau merah	19	71	1,136	-	-	2,327	-	-	-	9	1,949	-	5,511
Bitis	702	-	6	-	-	-	-	-	-	-	344	-	1,052
Cengal	1,717	180	1,859	-	982	4,717	2,704	-	-	2,609	4,572	-	19,340
Giam	101	-	-	-	-	522	241	-	-	-	7	-	871
Kekatang	296	1,724	27,332	-	2,792	-	-	-	-	-	1,742	-	33,886
Membatu	-	21	-	-	-	-	-	-	-	-	413	-	434
Merbau	470	5,093	20,914	-	561	25,482	23,068	-	-	23	4,974	-	80,585
Penaga	70	76	7,853	-	-	-	-	-	-	-	462	-	8,461
Resak	1,245	83	5,683	-	41	3,900	725	-	-	20	884	-	12,581
Tembusu	17	8	113	-	19	-	-	-	-	92	3	-	252
Tempinis	407	37	36	-	-	-	-	-	-	28	144	-	652
Lain-lain / Others	1,820	2,883	36,012	-	1,518	22,468	16,624	-	-	556	1,414	-	83,295
JUMLAH KKB / TOTAL HHW	11,109	11,916	121,451	-	8,442	76,501	60,320	-	-	4,467	37,977	-	332,183
Berangan	15	22	-	-	-	-	-	-	-	4	1,134	-	1,175
Jati	-	-	-	-	-	-	-	-	-	-	-	-	-
Kapur	26,704	-	-	-	-	11,813	149	-	-	55	8,349	-	47,070
Kasai	97	1,655	12,732	-	545	6,863	2,682	-	-	-	3,195	-	27,769
Keladan	623	-	11,602	-	-	-	-	-	-	-	319	-	12,544
Kelat	8,820	17,495	335,339	40	5,713	108,051	82,099	-	-	734	21,979	-	580,270

Species Species	Johor	Kedah	Kelantan	Melaka	N.S	Pahang	Perak	Perlis	P.P	Selangor	TRG	W.P.K.L	Jumlah Besar Grand Total
Keledang	364	4,947	23,772	-	2,223	7,900	11,656	-	-	2	2,963	-	53,827
Kempas	7,802	4,449	42,278	14	2,004	69,314	19,636	-	-	2,236	13,640	-	161,373
Keruing	12,369	11,780	61,583	9	3,923	70,822	36,188	-	-	284	25,942	-	222,900
Kulim	397	169	18,898	-	-	-	-	-	-	-	2,706	-	22,170
Mata ulat	182	482	127	-	18	1,150	802	-	-	-	248	-	3,009
Mengkulang	1,816	453	10,501	-	703	8,554	2,219	-	-	14	5,901	-	30,161
Merpauh	356	23,572	42,383	-	214	-	-	-	-	118	19,166	-	85,809
Punah	1	20	12	-	-	-	-	-	-	37	390	-	460
Rengas	1,121	21	7,159	15	149	-	-	-	-	7	5,432	-	13,904
Simpoh	2,793	1,193	3,808	-	461	7,205	5,431	-	-	-	5,525	-	26,416
Kayu Getah / Hevea Logs	-	8	-	-	-	1	-	-	-	-	-	-	9
Lain-lain / Others	19,737	24,292	34,449	-	6,066	84,226	72,506	-	-	9,020	55,511	-	305,807
JUMLAH KKS / TOTAL MHW	83,197	90,558	604,643	78	22,019	375,899	233,368	-	-	12,511	172,400	-	1,594,673
Acacia mangium	57	-	38	-	-	203	-	-	-	-	59	-	357
Bekak	-	-	-	-	-	-	-	-	-	-	-	-	-
Bintangor	2,670	356	10,352	-	251	28,396	2,935	-	-	198	4,459	-	49,617
Geronggang	235	430	2,103	-	89	7,526	1,461	-	-	43	2,259	-	14,146
Gerutu	1,058	4,745	28,981	-	-	-	-	-	-	-	6,051	-	40,835
Hujan-Hujan	-	-	416	-	-	-	-	-	-	-	-	-	416
Jelutong	858	440	5,918	-	268	10,930	4,249	-	-	172	2,237	-	25,072
Kedondong	6,240	5,121	34,915	-	2,989	134,898	33,900	-	-	-	4,274	-	222,337
Kembang semangkok	725	2,767	21,077	14	2,278	-	-	-	-	-	5,286	-	32,147
Kungkur	4	228	955	-	34	1,372	59	-	-	-	122	-	2,774
Macang	111	450	1,537	-	152	-	-	-	-	-	997	-	3,247
Medang	3,924	10,074	90,205	-	13,543	18,292	58,861	-	-	-	22,582	-	217,481



Species Species	Johor	Kedah	Kelantan	Melaka	N.S	Pahang	Perak	Perlis	P.P	Selangor	TRG	W.P.K.L	Jumlah Besar Grand Total
Mahogani	-	4	2	-	-	-	-	-	-	-	316	-	322
Melantai	3,262	969	3,237	-	1,385	-	-	-	-	1,094	7,130	-	17,077
Melunak	1,773	826	17,565	-	630	5,687	1,065	-	-	-	3,560	-	31,106
Mempisang	517	164	3,412	-	765	-	-	-	-	-	1,395	-	6,253
Meranti bakau	46	-	222	-	-	8,926	134,312	-	-	686	370	-	144,562
Meranti Kuning	2,186	1,850	32,905	-	1,076	14,816	7,350	-	-	20	42	-	60,245
Meranti Merah	-	-	-	-	-	149,734	86,545	-	-	-	1,522	-	237,801
Meranti Merah Tua	4,327	5,277	86,047	-	4,330	84,035	15,483	-	-	2,161	24	-	201,684
Meranti paya	-	-	-	-	-	-	-	-	-	-	135	-	135
Meranti putih	2,221	5,393	17,979	-	1,536	5,348	2,163	-	-	273	100	-	35,013
Meranti tembaga	-	2,233	-	-	270	-	-	-	-	13	9,347	-	11,863
Merawan	2,631	1,384	19,111	-	926	10,685	4,256	-	-	268	6,490	-	45,751
Mersawa	1,182	624	24,874	3	807	24,116	24,114	-	-	193	11,793	-	87,706
Nyatoh	2,972	9,466	38,478	1	846	31,671	18,343	-	-	1,596	12,315	-	115,688
Penarahan	360	290	8,059	-	743	-	-	-	-	-	2,753	-	12,205
Pulai	121	63	1,206	-	306	-	-	-	-	-	885	-	2,581
Ramin	118	100	28	-	-	15,819	1,671	-	-	193	302	-	18,231
Sepetir	1,632	2,826	9,452	17	2,355	11,246	8,414	-	-	45	3,014	-	39,001
Sesendok	375	303	11,730	-	1,404	8,502	10,105	-	-	-	2,346	-	34,765
Surian	-	12	445	-	697	-	-	-	-	-	-	-	1,154
Terap	123	65	275	-	657	-	-	-	-	-	536	-	1,656

Species Species	Johor	Kedah	Kelantan	Melaka	N.S	Pahang	Perak	Perlis	P.P	Selangor	TRG	W.P.K.L	Jumlah Besar Grand Total
Terentang	501	45	124	-	454	1,668	2,307	-	-	608	2,883	-	8,590
Lain-lain / Others	36,512	19,113	244,880	1,460	23,355	110,097	44,341	-	-	13,306	76,049	-	569,113
JUMLAH KKR / TOTAL LHW	76,741	75,618	716,528	1,495	62,146	683,967	461,934	-	-	20,869	191,633	-	2,290,931
Damar minyak	-	-	189	-	-	534	16	-	-	-	1,776	-	2,515
Jumlah / Total	171,047	178,092	1,442,811	1,573	92,607	,136,901	755,638	-	-	37,847	403,786	-	4,220,302

Nota / Notes : KKB / HHW Kayu Keras Berat / Heavy Hardwood

KKS / MHW Kayu Keras Sederhana / Medium Hardwood

KKR / LHW Kayu Keras Ringan / Light Hardwood

Jadual 11 : Harga Purata Tempatan (Di Kilang) Kayu Balak Mengikut Spesies, Semenanjung Malaysia, 2007 (RM/m³)

Table 11 : Average Domestic Price (Ex-mill) Of Logs By Species , Peninsular Malaysia, 2007

Species / Species	Average Domestic Price
Balau	1,850
Balau merah/ red Balau	1,250
Campuran Kayu Keras Berat / Mixed Heavy Hardwood	531
Campuran Kayu Keras Ringan / Mixed Light Hardwood	450
Campuran Kayu Keras Sederhana / Mixed Medium Hardwood	495
Chengal	2,221
Jelutong	710
Kapur	750
Kayu Getah / Hevea Logs	163
Kempas	695
Keruing	775
Mengkulang	790
Meranti Kuning / Yellow Meranti	780
Meranti Merah / Red Meranti	800
Meranti Merah Muda / Light Red Meranti	820
Meranti Merah Tua / Dark Red Meranti	831
Meranti Putih / White Meranti	780
Merbau	1,200
Mersawa	750
Nyatoh	750
Sepetir	507

Sumber : Maskayu, LPKM

Source : Maskayu, MTIB

Jadual 12: Gunatenaga Dalam Jabatan Perhutanan Semenanjung Malaysia Pada 31 Disember 2007

Table 12 : *Employment Of The Forestry Department Peninsular Malaysia, As At 31 December 2007*

Jawatan	Ibu Pej/ W.P	Johor	Kedah	Kelantan	Melaka	N.S	Pahang	Perak	Perlis	P.P	Selangor	TRG	Jumlah Besar Grand Total
Kumpulan Pengurusan Tertinggi <i>Higher Management</i>													
Jawatan-Jawatan Utama (VU6) (VU7) <i>Major Posts Gred</i>	(1) (2)	-	-	-	-	-	-	-	-	-	-	-	3
Jumlah Kecil / Sub Total	3	-	-	-	-	-	-	-	-	-	-	-	3
Kumpulan Pengurusan Dan Profesional <i>Managerial and Professional Group</i>													
Pemeliharaan Hutan (G54) <i>Conservator of Forest</i>	5	1	-	1	-	-	1	1	-	-	-	1	10
Pemeliharaan Hutan (G52) <i>Conservator of Forest</i>	1	-	1	1	-	1	1	1	-	-	1	-	7
Pemeliharaan Hutan (G48) <i>Conservator of Forest</i>	16	-	3	3	-	1	2	3	1	-	-	-	29
Pemeliharaan Hutan (G44) <i>Conservator of Forest</i>	5	-	2	2	-	2	3	3	-	1	2	2	22
Pemeliharaan Hutan (G41) <i>Conservator of Forest</i>	27	7	4	3	-	2	15	6	-	-	5	6	75
Jurutera Awam (J52) <i>Civil Engineer</i>	1	-	-	-	-	-	-	-	-	-	-	-	1
Jurutera Awam (J44) (J41) <i>Civil Engineer</i>	(1) (-)	(-) (1)	(-) (1)	(-) (1)	-	-	(-) (1)	(-) (1)	-	-	(-) (1)	(-) (1)	8
Jurutera Jentera (J48) <i>Mechanical Engineer</i>	1	-	-	-	-	-	-	-	-	-	-	-	1
Jurutera Jentera (J44) (J41) <i>Mechanical Engineer</i>	(4) (1)	-	-	-	-	-	-	-	-	-	-	-	5
Pegawai Ehwal Ekonomi (E48) <i>Economist</i>	1	-	-	-	-	-	-	-	-	-	-	-	1
Pegawai Ehwal Ekonomi (E44) (E41) <i>Economist</i>	(1) (2)	-	-	-	-	-	-	-	-	-	-	-	3
Pegawai Tadbir & Diplomatik (M48) <i>Administrative & Diplomatic Officer</i>	1	-	-	-	-	-	-	-	-	-	-	-	1
Pegawai Tadbir (N41) <i>Administrative Officer</i>	1	-	-	-	-	-	-	-	-	-	-	-	1
Pegawai Tadbir & Diplomatik (M44) (M41) <i>Administrative & Diplomatic Officer</i>	-	-	-	-	-	6	1	1	-	-	-	-	8
Perangkawan (N41) <i>Statistician</i>	1	-	-	-	-	-	-	-	-	-	-	-	1
Pegawai Sistem Maklumat (F48) <i>System Analyst</i>	1	-	-	-	-	-	-	-	-	-	-	-	1
Pegawai Sistem Maklumat (F41) <i>System Analyst</i>	2	-	-	-	-	-	1	-	-	-	-	-	3
Pemeliharaan Hutan (G48) <i>Conservator of Forest Gred II</i>	1	-	-	-	-	-	-	-	-	-	1	-	2
Pemeliharaan Hutan (G41) <i>Conservator of Forest Gred II</i>	-	-	-	-	-	-	-	-	-	-	-	-	-
Pustakawan (S41) <i>Librarian</i>	1	-	-	-	-	-	-	-	-	-	-	-	1
Jumlah Kecil / Sub Total	74	9	11	11	-	12	25	16	1	1	10	10	180

Jawatan	Ibu pej/ W.P	Johor	Kedah	Kelantan	Melaka	N.S	Pahang	Perak	Perlis	P.P	Selangor	TRG	Jumlah Besar Grand Total
Kumpulan Sokongan / Supporting Group													
Pembantu Tadbir Rendah (N11) <i>Junior Administrative Assistant</i>	20	5	7	-	-	4	23	10	1	1	7	16	94
Pembantu Am Rendah (N4) <i>General Assistant</i>	1	-	1	1	-	-	-	-	-	-	1	1	5
Operator Mesin Prosesan Data (F11) <i>Data Processing Operator</i>	4	2	-	-	-	2	7	-	-	-	-	9	24
Penghantar Notis (N3) <i>Despatcher</i>	-	-	5	-	1	3	-	-	-	-	-	-	9
Pembantu Am Rendah (N1) <i>General Assistant</i>	6	8	-	4	-	-	12	10	1	-	6	11	58
Pencari Fail (N1) <i>File Searcher</i>	-	-	-	-	-	-	3	-	-	-	-	-	3
Pekerja Rendah Awam Khas (R3) <i>Special General Worker</i>	4	140	218	272	27	135	634	327	18	17	218	378	2,388
Pekerja Rendah Awam (R1) <i>General Worker</i>	3	-	-	-	-	-	-	-	-	-	-	-	3
Pembantu Teknik (J29) <i>Technician Assistant</i>	12	-	-	-	-	-	-	-	-	-	-	-	12
Pemandu Kenderaan Bermotor (R3) <i>Driver</i>	15	24	25	22	1	16	136	45	1	3	39	64	391
Jaga (R1) <i>Guard</i>	1	-	-	-	-	-	1	1	-	1	3	2	9
Pemandu Enjin Sangkut (R1) <i>Boatman</i>	-	-	5	-	-	-	-	-	-	-	-	-	5
Tukang K1 (R24) & Tukang K2 (R11) <i>Carpenter</i>	-	-	-	-	-	-	(3) (1)	-	-	-	2	2	8
Penjalan Letrik (R1) <i>Electrician</i>	-	-	-	-	-	-	-	-	-	-	-	-	-
Juruserang (S17) <i>Boatman</i>	-	-	-	-	-	-	-	-	-	-	1	-	1
Jumlah Kecil / Sub Total	255	457	405	512	57	264	1,299	717	34	41	484	779	5,304
JUMLAH BESAR / GRAND TOTAL	332	466	416	523	57	276	1,324	733	35	42	494	789	5,487

LAMPIRAN
APPENDICES

LAMPIRAN / APPENDIX A**KENAIKAN PANGKAT / PERLANTIKAN BARU KAKITANGAN, 2007****PROMOTION / NEW APPOINTMENT OF STAFF, 2007**Kenaikan Pangkat/ *Promotion*

Bil. / No	NAMA / Name	GRED LANTIKAN TERDAHULU <i>Previous Appointment</i>	GRED LANTIKAN BARU <i>Current Appointment</i>	TARIKH BERKUATKUASA <i>Effective Date</i>
1.	Saiful Muzamir bin Ismail	Jurutera J44 <i>Engineer</i>	Jurutera J48 <i>Engineer</i>	01.02.2007
2.	Datin Siti Zaliha binti Md Amin	Pembantu Tadbir (Kesetiausahaan) N22 <i>Administrative Assistant (Secretarial)</i>	Pembantu Tadbir (Kesetiausahaan) N32 <i>Administrative Assistant (Secretarial)</i>	23.04.2007
3.	Maznah binti Abas	Pembantu Tadbir (Kesetiausahaan) N22 <i>Administrative Assistant (Secretarial)</i>	Pembantu Tadbir (Kesetiausahaan) N32 <i>Administrative Assistant (Secretarial)</i>	23.04.2007
4.	Abdullah Sani bin Shaffie	Pemelihara Hutan G52 <i>Conservator of Forest</i>	Pemelihara Hutan G54 <i>Conservator of Forest</i>	16.07.2007
5.	Dato' Razani bin Ujang	Pemelihara Hutan G54 <i>Conservator of Forest</i>	Pemelihara Hutan JUSA C <i>Conservator of Forest</i>	01.08.2007
6.	Nik Mohd Shah bin Nik Mustafa	Pemelihara Hutan G52 <i>Conservator of Forest</i>	Pemelihara Hutan G54 <i>Conservator of Forest</i>	01.09.2007
7.	Dr. Mohd Yunus bin Zakaria	Pemelihara Hutan G48 <i>Conservator of Forest</i>	Pemelihara Hutan G52 <i>Conservator of Forest</i>	01.10.2007
8.	Mohd Paiz bin Kamaruzaman	Pemelihara Hutan G48 <i>Conservator of Forest</i>	Pemelihara Hutan G52 <i>Conservator of Forest</i>	01.10.2007
9.	Yap Yee Hwai	Pemelihara Hutan G48 <i>Conservator of Forest</i>	Pemelihara Hutan G52 <i>Conservator of Forest</i>	01.10.2007
10.	Azmi bin Nordin	Pemelihara Hutan G48 <i>Conservator of Forest</i>	Pemelihara Hutan G52 <i>Conservator of Forest</i>	15.10.2007

Perlantikan Baru/ *New Appointment*

Bil. / No	NAMA / Name	GRED LANTIKAN TERDAHULU <i>Previous Appointment</i>	GRED LANTIKAN BARU <i>Current Appointment</i>	TARIKH BERKUATKUASA <i>Effective Date</i>
1.	Busra bin Ismail	Lantikan Baru <i>New Appointment</i>	Pemandu Kenderaan R3 <i>Driver</i>	29.01.2007
2.	Rosli bin Paidi	Lantikan Baru <i>New Appointment</i>	Pemandu Kenderaan R3 <i>Driver</i>	29.01.2007
3.	Samsol bin Mokhtar	Lantikan Baru <i>New Appointment</i>	Pemandu Kenderaan R3 <i>Driver</i>	29.01.2007
4.	Samsudin bin Mohamad	Lantikan Baru <i>New Appointment</i>	Juruteknik Awam J17 <i>Technician</i>	08.02.2007
5.	Nurdahliya Hazwani binti Mohd Razali	Lantikan Baru <i>New Appointment</i>	Pembantu Tadbir Rendah N11 <i>Junior Administrative Assistant</i>	02.03.2007
6.	Azni Rahman bin A Wahid	Pen. Pemelihara Hutan G27 <i>Assistant Conservator of Forest</i>	Pemelihara Hutan G41 <i>Conservator of Forest</i>	16.04.2007
7.	Khiron Nizam bin Abdul Rahim	Pen. Pemelihara Hutan G27 <i>Assistant Conservator of Forest</i>	Pemelihara Hutan G41 <i>Conservator of Forest</i>	16.04.2007
8.	Jamal Shuhaily bin Shahr	Pen. Pemelihara Hutan G27 <i>Assistant Conservator of Forest</i>	Pemelihara Hutan G41 <i>Conservator of Forest</i>	16.04.2007
9.	Md Zaidey bin Abdul Kadir	Pen. Pemelihara Hutan G27 <i>Assistant Conservator of Forest</i>	Pemelihara Hutan G41 <i>Conservator of Forest</i>	16.04.2007
10.	Nor Azirim bin Ahmad	Pen. Pemelihara Hutan G27 <i>Assistant Conservator of Forest</i>	Pemelihara Hutan G41 <i>Conservator of Forest</i>	16.04.2007
11.	Rosaizan Haryani binti Rosli	Lantikan Baru <i>New Appointment</i>	Pemelihara Hutan G41 <i>Conservator of Forest</i>	16.04.2007
12.	Mohd Shukri bin Aziz	Lantikan Baru <i>New Appointment</i>	Pemelihara Hutan G41 <i>Conservator of Forest</i>	03.05.2007
13.	Muhammad Ezhar bin Yusuf @ Antik	Lantikan Baru <i>New Appointment</i>	Pemelihara Hutan G41 <i>Conservator of Forest</i>	07.05.2007
14.	Norzalyta binti Mohd Ghazali	Lantikan Baru <i>New Appointment</i>	Pemelihara Hutan G41 <i>Conservator of Forest</i>	07.05.2007
15.	Norhafiza binti Sarif	Lantikan Baru <i>New Appointment</i>	Pembantu Tadbir (Kesetiausahaan) N17 <i>Administrative Assistant (Secretarial)</i>	13.05.2007
16.	Noriswani binti Za'aldin	Lantikan Baru <i>New Appointment</i>	Pen. Pegawai Sistem Maklumat F29 <i>Assistant Information System Officer</i>	24.05.2007
17.	Zulazfar Husaini bin Abdullah Sani	Lantikan Baru <i>New Appointment</i>	Pembantu Teknik J29 <i>Technical Assistant</i>	04.06.2007
18.	Mohammed Putra bin Bahadin	Lantikan Baru <i>New Appointment</i>	Pembantu Teknik J29 <i>Technical Assistant</i>	04.06.2007
19.	Normusuhailli binti Mohamed	Lantikan Baru <i>New Appointment</i>	Pembantu Tadbir Rendah N11 <i>Junior Administrative Assistant</i>	28.08.2007
20.	Rusli bin Tahir	Pen. Pemelihara Hutan G27 <i>Assistant Conservator of Forest</i>	Pemelihara Hutan G41 <i>Conservator of Forest</i>	15.09.2007
21.	Saimi Azrolina binti Othman	Lantikan Baru <i>New Appointment</i>	Pembantu Tadbir (Kewangan) W17 <i>Administrative Assistant (Finance)</i>	04.11.2007

LAMPIRAN / APPENDIX B

SENARAI KAKITANGAN YANG BERTUKAR/ BERSARA/ MENINGGALKAN JAWATAN, 2007 LIST OF STAFFS THAT TRANSFERED/ RETIRED/ RESIGNED, 2007

BIL No	NAMA Name	JAWATAN TERDAHULU Previous Post	TARIKH Date	JAWATAN SEKARANG Current Post
1.	Mohd Mauluk Faizal bin Che Ali	Juruteknik, Unit Kejuruteraan Hutan, Ibu Pejabat Perhutanan <i>Technician, Forest Engineering Unit, Forestry Department Headquarters</i>	15.01.2007	Juruteknik, Jabatan Kerja Raya, Kelantan <i>Technician, Public Works Department, Kelantan</i>
2.	Ibrahim bin Kayat	Pen. Pegawai Sistem Maklumat Kementerian Dalam Negeri <i>Assistant Information System Officer, Ministry of Internal Affairs</i>	25.01.2007	Pen. Pegawai Sistem Maklumat, Unit Teknologi Maklumat, Ibu Pejabat Perhutanan <i>Assistant Information System Officer, Information Technology Unit, Forestry Department Headquarters</i>
3.	Dr. Mohd Hizamri bin Mohd Yasin	Pegawai Dalam Latihan <i>Officer in Training</i>	08.02.2007	Pen. Pengarah (Pengurusan Sumber Hutan) Unit Pengurusan Hutan, Ibu Pejabat Perhutanan <i>Assistant Director (Forest Resource Management), Forest Management Unit, Forestry Department Headquarters</i>
4.	Ab Sallam bin Mohamad Nor	Juruteknik, Unit Kejuruteraan Hutan, Ibu Pejabat Perhutanan <i>Technician, Forest Engineering Unit, Forestry Department Headquarters</i>	08.02.2007	Juruteknik, Jabatan Kerja Raya, Tanah Merah Kelantan <i>Technician, Public Works Department, Tanah Merah, Kelantan</i>
5.	Mazlina binti Abd Karim	Pembantu Tadbir Rendah, Unit Penguatkuasaan, Ibu Pejabat Perhutanan <i>Junior Administrative Assistant, Enforcement Unit, Forestry Department Headquarters</i>	16.02.2007	Pembantu Tadbir Rendah, Jabatan Ketua Pengarah Tanah dan Galian <i>Junior Administrative Assistant, Director General Land and Mines Department</i>
6.	Mohd Zain bin Abd Razak	Jurutera, Unit Kejuruteraan Hutan, Ibu Pejabat Perhutanan <i>Engineer, Forest Engineering Unit, Forestry Department Headquarters</i>	01.03.2007	Jurutera, Jabatan Kerja Raya, Kuantan <i>Engineer, Public Works Department, Kuantan</i>
7.	Abd Hamid bin Hamzah	Pemandu Kenderaan, Unit Pentadbiran & Kewangan, Ibu Pejabat Perhutanan <i>Driver, Administration & Finance Unit, Forestry Department Headquarters</i>	12.03.2007	Pemandu Kenderaan, Unit Latihan Perhutanan, Kepong <i>Driver, Forest Training Unit, Kepong</i>
8.	Cheng Chin Thai	Jurutera, Jabatan Kerja Raya Kuala Lumpur <i>Engineer, Public Works Department, Kuala Lumpur</i>	02.04.2007	Jurutera, Unit Kejuruteraan Hutan, Ibu Pejabat Perhutanan <i>Engineer, Forest Engineering Unit, Forestry Department Headquarters</i>
9.	Siti Dessyma binti Isnani	Pen. Pengarah (Perancangan, Penilaian & Pengawasan), Unit Perancangan Hutan, Ibu Pejabat Perhutanan <i>Assistant Director (Planning, Evaluation & Control), Forest Planning Unit, Forestry Department Headquarters</i>	16.04.2007	Pen. Pengarah (Hutan Lipur), Jabatan Perhutanan Negeri Selangor <i>Assistant Director (Recreational Forest), Selangor State Forestry Department</i>
10.	Ahmad Feisal Syahrudin bin Baharuddin	Pen. Pengarah (Penguatkuasa), Unit Penguatkuasaan, Ibu Pejabat Perhutanan <i>Assistant Director (Enforcement), Enforcement Unit, Forestry Department Headquarters</i>	16.04.2007	Pen. Pengarah (Perindustrian & Pengusahaan), Jabatan Perhutanan Negeri Kelantan <i>Assistant Director (Industries & Harvesting), Kelantan State Forestry Department</i>
11.	Aldrich Richard	Pen. Pengarah (Hutan Rekreasi), Unit Silvikultur & Perlindungan Hutan (ditempatkan di Jabatan Perhutanan Negeri Perlis) <i>Assistant Director (Recreational Forest) Silviculture & Forest Protection Unit (Stationed at Perlis State Forestry Department)</i>	16.04.2007	Pen. Pengarah Perancangan (Penilaian & Pengawasan), Unit Perancangan Hutan, Ibu Pejabat Perhutanan <i>Assistant Director Planning (Evaluation & Control), Forest Planning Unit, Forestry Department Headquarters</i>
12.	Ramli bin Mat	Pen. Pengarah (Tugas Khas), Jabatan Perhutanan Negeri Pahang <i>Assistant Director (Special Functions), Pahang State Forestry Department</i>	16.04.2007	Pen. Pengarah (Perindustrian & Pengusahaan), Jabatan Perhutanan Negeri Johor <i>Assistant Director (Industries & Harvesting), Johore State Forestry Department</i>
13.	Abd Ramli zuyahudin bin Mahli	Pegawai Hutan Daerah Kinta Manjung, Jabatan Perhutanan Negeri Perak <i>District Forest Officer, Kinta Manjung, Perak State Forestry Department</i>	16.04.2007	Pen. Pengarah (Silvikultur- Pahang Barat), Jabatan Perhutanan Negeri Pahang <i>Assistant Director (Silviculture-Western Pahang), Pahang State Forestry Department</i>
14.	Roslan bin Rani	Pen. Pengarah (Operasi & Penguatkuasaan), Jabatan Perhutanan Negeri Sembilan <i>Assistant Director (Operation & Enforcement), Perak State Forestry Department</i>	16.04.2007	Pen. Pengarah (Perancangan & Pengurusan), Jabatan Perhutanan Negeri Sembilan <i>Assistant Director (Planning & Management), Negeri Sembilan State Forestry Department</i>
15.	Azni Rahman bin A. Wahid	Pen. Pegawai Hutan Daerah (Johor Selatan), Jabatan Perhutanan Negeri Johor <i>Assistant District Forest Officer (Southern Johore), Johore State Forestry Department</i>	16.04.2007	Pen. Pengarah (Tugas Khas), Jabatan Perhutanan Negeri Pahang <i>Assistant Director (Special Functions), Pahang State Forestry Department</i>

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16.	Khurun Nizam bin Abdul Rahim	Pen. Pegawai Hutan Daerah Rompin, Jabatan Perhutanan Negeri Pahang <i>Assistant District Forest Officer Rompin, Pahang State Forestry Department</i>	16.04.2007	Pen. Pengarah (Operasi & Penguatkuasa), Jabatan Perhutanan Negeri Johor <i>Assistant Director (Operation & Enforcement), Johore State Forestry Department</i>
17.	Jamal Shuhaily bin Shahar	Pen. Pegawai Hutan Daerah (Raub & Cameron Highlands), Jabatan Perhutanan Negeri Pahang <i>Assistant District Forest Officer (Raub & Cameron Highlands), Pahang State Forestry Department</i>	16.04.2007	Pen. Pengarah (Operasi & Penguatkuasa), Jabatan Perhutanan Negeri Terengganu <i>Assistant Director (Operation & Enforcement), Terengganu State Forestry Department</i>
18.	Md Zaidey bin Abdul Kadir	Pen. Pegawai Hutan Daerah Ulu Perak Grik, Jabatan Perhutanan Negeri Perak <i>Assistant District Forest Officer, Ulu Perak Grik, Perak State Forestry Department</i>	16.04.2007	Pegawai Hutan Daerah, Kinta Manjung, Jabatan Perhutanan Negeri Perak <i>District Forest Officer, Kinta Manjung, Perak State Forestry Department</i>
19.	Nor Azirim bin Ahmad	Pen. Pegawai Perancang (Projek III), Unit Perancang Hutan, Ibu Pejabat Perhutanan <i>Assistant Forest Planning Officer (Project III), Forest Planning Unit, Forestry Department Headquarters</i>	16.04.2007	Pen. Pengarah (Perancangan Projek), Unit Perancangan Hutan, Ibu Pejabat Perhutanan <i>Assistant Director (Project Planning), Forest Planning Unit, Forestry Department Headquarters</i>
20.	Yusup bin Abd Rahaman	Pen. Pengarah (Operasi & Penguatkuasaan), Jabatan Perhutanan Negeri Johor <i>Assistant Director (Operations & Enforcement), Johore State Forestry Department</i>	16.04.2007	Pen. Pengarah (Hutan Lipur), Jabatan Perhutanan Negeri Johor <i>Assistant Director (Recreational Forest), Johore State Forestry Department</i>
21.	Rusli bin Tahir	Pen. Pegawai Hutan Daerah Larut Matang, Jabatan Perhutanan Negeri Perak <i>Assistant District Forest Officer (Mangrove Forest), Perak State Forestry Department</i>	16.04.2007	Pen. Pegawai Ladang (Perolehan Bahan Tanaman), Unit Ladang Hutan, Ibu Pejabat Perhutanan <i>Assistant Plantation Officer (Planting Material Procurement), Forest Plantation Unit, Forestry Department Headquarters</i>
22.	Hasliandi bin Hashim	Pen. Pegawai (Perolehan Bahan Tanaman), Unit Ladang Hutan, Ibu Pejabat Perhutanan <i>Assistant Plantation Officer (Planting Material Procurement), Forest Plantation Unit, Forestry Department Headquarters</i>	16.04.2007	Pengajar, Sekolah Perhutanan Kepong, Unit Latihan Perhutanan <i>Tutor, Kepong School Of Forest, Forestry Training Unit</i>
23.	Ramlee bin Ahmad	Pen. Pegawai Silviculture (Hutan Bukit), Unit Silviculture & Perlindungan, Ibu Pejabat Perhutanan <i>Assistant Silviculture Officer (Hill Forest), Silviculture & Forest Protection Unit, Forestry Department Headquarters</i>	16.04.2007	Pen. Pengarah Perhutanan Negeri (Hutan Rekreasi), Jabatan Perhutanan Negeri Pulau Pinang <i>Assistant Director (Recreational Forest), Pulau Pinang State Forestry Department</i>
24.	Yusof bin Shafie	Pen. Pengarah Perhutanan Negeri (Rekreasi), Jabatan Perhutanan Negeri Pulau Pinang <i>Assistant Director (Recreational), Pulau Pinang State Forestry Department</i>	16.04.2007	Pen. Pegawai Hutan Daerah (Raub & Cameron Highlands), Jabatan Perhutanan Negeri Pahang <i>Assistant District Forestry Officer (Raub & Cameron Highlands), Pahang State Forestry Department</i>
25.	Mohd Suhaimi bin Mohd Noor	Pengajar, Sekolah Perhutanan Kepong, Unit Latihan Perhutanan, Kepong <i>Tutor, Kepong School Of Forest, Forestry Training Unit, Kepong</i>	16.04.2007	Pen. Pegawai Hutan Daerah Larut Matang, Jabatan Perhutanan Negeri Perak <i>Assistant District Forestry Officer (Mangrove Forest), Perak State Forestry Department</i>
26.	Mohd Abdullah Isham bin Ibrahim	Pengawas Hutan, Unit Pengurusan Hutan, Ibu Pejabat Perhutanan <i>Forester, Forest Management Unit, Forestry Department Headquarters</i>	16.04.2007	Pengawas Hutan, Jabatan Perhutanan Negeri Kelantan <i>Forester, Kelantan State Forestry Department</i>
27.	Muhammad Hazlin bin Awang	Pengawas Hutan, Unit Pengurusan Hutan, Ibu Pejabat Perhutanan <i>Forester, Forest Management Unit, Forestry Department Headquarters</i>	16.04.2007	Pengawas Hutan, Jabatan Perhutanan Negeri Kelantan <i>Forester, Kelantan State Forestry Department</i>
28.	Hazman bin Othman	Pengawas Hutan, Unit Latihan Perhutanan Kepong <i>Forester, Forestry Training Unit, Kepong</i>	16.04.2007	Pengawas Hutan, Jabatan Perhutanan Negeri Kelantan <i>Forester, Kelantan State Forestry Department</i>
29.	Aznan bin Abd Wahab	Pengawas Hutan, Unit Tugas - Tugas Khas dan Wilayah Persekutuan, Ibu Pejabat Perhutanan <i>Forester, Special Functions Unit & Federal Territory, Forestry Department Headquarters</i>	16.04.2007	Pengawas Hutan, Jabatan Perhutanan Negeri Kelantan <i>Forester, Kelantan State Forestry Department</i>
30.	Mizarina binti Abdul Majid	Pem. Tadbir (Kewangan), Unit Pentadbiran dan Kewangan, Ibu Pejabat Perhutanan <i>Administrative Assistant (Finance), Administration and Finance Unit, Forestry Department Headquarters</i>	10.05.2007	Pusat Serenti, Raub <i>Raub Serenti Centre</i>
31.	Norhani Marlina binti Sukono	Pem. Tadbir (Kesetiausahaan), Unit Pentadbiran dan Kewangan, Ibu Pejabat Perhutanan <i>Administrative Assistant (Secretarial), Administration and Finance Unit, Forestry Department Headquarters</i>	13.05.2007	Pem. Tadbir (Kesetiausahaan), Kem Kewangan, Putrajaya <i>Administrative Assistant (Secretarial), Ministry of Finance, Putrajaya</i>
32.	Ainul Hana binti Kasim	Pem. Tadbir, Unit Pentadbiran dan Kewangan, Ibu Pejabat Perhutanan <i>Administrative Assistant, (Clerical / Operation), Administration and Finance Unit, Forestry Department Headquarters</i>	16.05.2007	Pem. Tadbir (Perkeranian / Operasi), Pusat Latihan Perhutanan, Terengganu <i>Administrative Assistant, (Clerical / Operation), Terengganu Forestry Training Centre</i>

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33.	Dr. Alias bin Sood	Pemelihara Hutan, Seksyen GIS, Ibu Pejabat Perhutanan <i>Conservator of Forest, GIS Section, Forestry Department Headquarters</i>	01.06.2007	Pensyarah, Universiti Putra Malaysia <i>Lecturer, University Putra Malaysia</i>
34.	Azhar bin Ahmad	Pen. Pengarah (Operasi & Penguatkuasaan), Jabatan Perhutanan Negeri Sembilan <i>Assistant Director (Operations & Enforcement), Negeri Sembilan State Forestry Department</i>	01.06.2007	Pegawai Hutan Daerah Johor Tengah, Kluang, Jabatan Perhutanan Negeri Johor <i>District Forest Officer, Central Johore, Kluang, Johore State Forestry Department</i>
35.	Hashimy bin Hashim	Juruteknik, Unit Kejuruteraan Hutan, Ibu Pejabat Perhutanan <i>Technician, Forest Engineering Unit, Forestry Department Headquarters</i>	11.06.2007	Pembantu Teknik, KTPK Kuala Lumpur <i>Technical Assistant, KTPK Kuala Lumpur</i>
36.	Mohd Hisham bin Hashim	Pelukis Pelan, Unit Ladang Hutan, Ladang Hutan Ulu Sedili <i>Draughtsman, Forest Plantation Unit, Ulu Sedili Forest Plantation</i>	11.06.2007	Pelukis Pelan, SUK Pulau Pinang <i>Draughtsman, Pulau Pinang State Government Secretary</i>
37.	Saleh bin Awaluddin	Pen. Pengarah (Penguatkuasaan Pahang-Barat), Jabatan Perhutanan Negeri Pahang <i>Assistant Director (Enforcement-Western Pahang), Pahang State Forestry Department</i>	01.07.2007	Pen. Pengarah (Pemantauan Sumber Hutan), Unit Pengurusan Hutan (Ditempatkan di Seksyen GIS) <i>Assistant Director (Forest Resources Monitoring), Forest Management Unit (stationed at GIS Section)</i>
38.	Zulkifli bin Abd Hamid	Pen. Pegawai (Operasi & Penguatkuasaan), Jabatan Perhutanan Negeri Terengganu <i>Assistant Director (Operations & Enforcement), Terengganu State Forestry Department</i>	01.07.2007	Pegawai Dalam Latihan Unit Pentadbiran dan Kewangan, Ibu Pejabat Perhutanan <i>In Training Officer Administration and Finance Unit, Forestry Department Headquarters</i>
39.	Abu Bakar bin Rapae	Pengajar Sekolah Perhutanan Kepong, Unit Latihan Perhutanan, Kepong <i>Tutor, Kepong School of Forest, Forestry Training Unit, Kepong</i>	01.07.2007	Pegawai Dalam Latihan Unit Pentadbiran dan Kewangan, Ibu Pejabat Perhutanan <i>In Training Officer Administration and Finance Unit, Forestry Training Unit, Kepong</i>
40.	Wan Radzi bin Wan Abdullah	Pengajar, Sekolah Perhutanan Kepong, Unit Latihan Perhutanan, Kepong <i>Tutor, Kepong School of Forest, Forestry Training Unit, Kepong</i>	01.07.2007	Pegawai Dalam Latihan, Unit Pentadbiran dan Kewangan, Ibu Pejabat Perhutanan <i>In Training Officer Administration and Finance Unit, Forestry Department Headquarters</i>
41.	Lokman bin Abdullah	Pen. Pegawai Hutan Daerah, Johor Timur 1, Jabatan Perhutanan Negeri Johor <i>Assistant District Forest Officer, Johor Timur 1, Johore State Forestry Department</i>	01.07.2007	Pegawai Dalam Latihan G27 Unit Pentadbiran dan Kewangan, Ibu Pejabat Perhutanan <i>In Training Officer Administration and Finance Unit, Forestry Department Headquarters</i>
42.	Abdullah Sani bin Shaffie	Tim. Pengarah (Pembangunan Hutan), Jabatan Perhutanan Negeri Perak <i>Deputy Director (Forest Development), Perak State Forestry Department</i>	16.07.2007	Pengarah, Unit Latihan Perhutanan Kepong <i>Director of Forestry Training Unit, Kepong</i>
43.	Nordahliya binti Hazwani bt Mohd Razali	Jurutera, Unit Kemajuan Perindustrian Hutan, Ibu Pejabat Perhutanan <i>Engineer, Forest Industrial Development Unit, Forestry Department Headquarters</i>	16.07.2007	Kem. Kesihatan, Putrajaya <i>Ministry of Health, Putrajaya</i>
44.	Faizal bin Zainul	Pembantu Teknik, Unit Kemajuan Perindustrian Hutan, Ibu Pejabat Perhutanan <i>Technical Assistant, Forest Industrial Development Unit, Forestry Department Headquarters</i>	16.07.2007	Pembantu Teknik, Jabatan Kerja Raya, Pulau Pinang <i>Technical Assistant, Pulau Pinang, Public Works Department</i>
45.	Dato' Razani bin Ujang	Pengarah Perhutanan Negeri, Jabatan Perhutanan Negeri Perak <i>State Director of Forestry, Perak State Forestry Department</i>	01.08.2007	Timbalan Ketua Pengarah Perhutanan (Operasi), Ibu Pejabat Perhutanan <i>Deputy Director General Of Forestry (Operation), Forestry Department Headquarters</i>
46.	Masran bin Md Salleh	Pengarah, Unit Pengurusan Hutan, Ibu Pejabat Perhutanan <i>Director, Forest Management Unit, Forestry Department Headquarters</i>	01.08.2007	Pengarah Perhutanan Negeri, Jabatan Perhutanan Negeri Perak <i>State Director of Forestry, Perak State Forestry Department</i>
47.	Sulaiman bin Salleh	Pengetua Sekolah Latihan Perhutanan Kepong, Unit Latihan Perhutanan, Kepong <i>Principal, Kepong School of Forest, Forestry Training Unit, Kepong</i>	01.08.2007	Timbalan Pengarah (Pembangunan Hutan), Jabatan Perhutanan Negeri Kelantan <i>Deputy Director (Forest Development), Kelantan State Forestry Department</i>
48.	Rahimi bin Othman	Tim. Pengarah (Perlindungan & Pemeliharaan), Unit Silvikultur & Perlindungan, Ibu Pejabat Perhutanan <i>Deputy Director (Protection & Conservation), Silviculture & Protection Unit, Forestry Department Headquarters</i>	01.08.2007	Pengetua Sekolah Latihan Perhutanan Kepong, Unit Latihan Perhutanan (ditempatkan secara pentadbiran) <i>Principal, Kepong School of Forest, Forestry Training Unit, Kepong (Placed as Administrative)</i>
49.	Wan Yusof bin Wan Karim	Pen. Pemelihara Hutan, Jabatan Keselamatan dan Kesihatan Pekerjaan, Terengganu <i>Assistant Conservator of Forest, Department of Occupational Safety and Health, Terengganu</i>	15.08.2007	Pen. Pengarah Perhutanan, Jabatan Perhutanan Negeri Pulau Pinang <i>Assistant Director of Forestry, Pulau Pinang State Forestry Department</i>



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50.	Ramlay @ Ramly bin Ali	Pen. Pemelihara Hutan, Jabatan Keselamatan dan Kesihatan Pekerjaan, Perak <i>Assistant Conservator of Forest, Department of Occupational Safety and Health, Perak</i>	15.08.2007	Pen. Pegawai Ladang (Pej. Ladang Hutan Kedah), Jabatan Perhutanan Negeri Kedah <i>Assistant Plantation Officer (Kedah Forest Plantation Office), Kedah State Forestry Department</i>
51.	Mohd Ruba'ai bin Sarpin	Pen. Pegawai Ladang (Perolehan Bahan Tanaman), Ladang Hutan, Lentang, Bentong. <i>Assistant Plantation Officer (Planting Materials Procurement), Forest Plantation, Lentang, Bentong</i>	15.08.2007	Pen. Pegawai Ladang (Perhutanan - Tani) (ditempatkan di ULP sebagai Pengajar Sekolah Perhutanan Kepong) <i>Assistant Plantation Officer (Agro-Forestry) (Stationed at Forestry Training Unit, Kepong As Tutor Kepong School of Forest)</i>
52.	Zainal Abidin bin Atan	Pen. Pegawai Ladang (Perhutanan - Tani) (ditempatkan di ULP sebagai Pengajar Sekolah Perhutanan Kepong) <i>Assistant Plantation Officer (Agro-Forestry) (Stationed at Forestry Training Unit, Kepong As Tutor Kepong School of Forest)</i>	15.08.2007	Pen. Pemelihara Hutan (Silvikultur & Perlindungan) Jabatan Perhutanan Negeri Selangor <i>Assistant Conservator of Forest (Silviculture & Protection), Selangor State Forestry Department</i>
53.	Basri bin Abd Wahid	Peg. Ladang Hutan (Pej. Ladang Hutan Kedah), Jabatan Perhutanan Negeri Kedah <i>Assistant Plantation Officer, (Kedah Forest Plantation Office), Kedah State Forestry Department</i>	15.08.2007	Pen. Pemelihara Hutan Jabatan Keselamatan dan Kesihatan Pekerjaan, Perak <i>Assistant Conservator of Forest, Department of Occupational Safety and Health, Perak</i>
54.	Ngaijah binti Sadali	Pegawai Ladang Hutan (Pej. Ladang Hutan Terengganu), (ditempatkan di ULP sebagai Pen. Pegawai Latihan) <i>Assistant Plantation Officer, (Terengganu Forest Plantation Office), (stationed at Forestry Training Unit, Kepong as Assistant Training Officer)</i>	15.08.2007	Pen. Pemelihara Hutan Tapak Ramsar Tasik Bera <i>Assistant Conservator of Forest, Ramsar Site, Tasik Bera</i>
55.	Khairuddin bin Perdan	Pegawai Dalam Latihan, Unit Pentadbiran dan Kewangan, Ibu Pejabat Perhutanan <i>In Training Officer, Administration and Finance Unit, Forestry Department Headquarters</i>	15.08.2007	Pegawai Hutan Melaka, Jabatan Perhutanan Negeri Melaka <i>District Forest Officer, Negeri Sembilan & Melaka State Forestry Department</i>
56.	Ramli bin Ayob	Pen. Pegawai Hutan Daerah, (Negeri Sembilan Barat), Jabatan Perhutanan Negeri, Negeri Sembilan & Melaka <i>Assistant District Forest Officer, (Western - Negeri Sembilan), Negeri Sembilan & Melaka State Forestry Department</i>	15.08.2007	Pen. Pemelihara Hutan Jabatan Keselamatan dan Kesihatan Pekerjaan, Terengganu <i>Assistant Conservator of Forest, Department of Occupational Safety and Health, Terengganu</i>
57.	Basri bin Abd Wahid	Pen. Pemelihara Hutan, Jabatan Keselamatan dan Kesihatan Pekerjaan, Perak <i>Assistant Conservator of Forest, Department of Occupational Safety and Health, Perak</i>	15.08.2007	Pen. Pemelihara Hutan, Jabatan Keselamatan dan Kesihatan Pekerjaan, Kelantan <i>Assistant Conservator of Forest, Department of Occupational Safety and Health, Kelantan</i>
58.	Mohd Kamil bin Ahmad	Pen. Pegawai (Silvikultur & Perlindungan), Jabatan Perhutanan Negeri Selangor <i>Assistant Conservator of Forest (Silviculture & Protection), Selangor State Forestry Department</i>	01.09.2007	Pen. Pemelihara Hutan, Jabatan Keselamatan dan Kesihatan Pekerjaan, Perak <i>Assistant Conservator of Forest, Department of Occupational Safety and Health, Perak</i>
59.	Nik Mohd Shah bin Nik Mustafa	Pengarah Perhutanan Negeri, Jabatan Perhutanan Negeri Selangor <i>State Director of Forestry, Selangor State Forestry Department</i>	01.09.2007	Pengarah Pengurusan Hutan, Ibu Pejabat Perhutanan <i>Director Of Forest Management Unit, Forestry Department Headquarters</i>
60.	Nor Akhrrudin bin Mahmud	Timbalan Pengarah (Operasi Hutan), Jabatan Perhutanan Negeri Pahang <i>Deputy Director (Forest Operations), Pahang State Forestry Department</i>	01.09.2007	Pengarah Perhutanan Negeri, Jabatan Perhutanan Negeri Selangor <i>State Director of Forestry, Selangor State Forestry Department</i>
61.	Basri bin Abdul Wahid	Pen. Pemelihara Hutan, Jabatan Keselamatan dan Kesihatan Pekerjaan, Perak <i>Assistant Conservator of Forest, Department of Occupational Safety and Health, Perak</i>	01.09.2007	Pen. Pemelihara Hutan, Jabatan Keselamatan dan Kesihatan Pekerjaan, Kelantan <i>Assistant Conservator of Forest, Department of Occupational Safety and Health, Kelantan</i>
62.	Mohd Kamil bin Ahmad	Pen. Pemelihara Hutan, (Silvikultur dan Perlindungan), Jabatan Perhutanan Negeri Selangor <i>Assistant Conservator of Forest, (Silviculture & Protection), Selangor State Forestry Department</i>	01.09.2007	Pen. Pemelihara Hutan, Jabatan Keselamatan dan Kesihatan Pekerjaan, Perak <i>Assistant Conservator of Forest, Department of Occupational Safety and Health, Perak</i>
63.	Zailan bin Mohd Yusoff	Renjer Hutan, Unit Tugas-Tugas khas dan Wilayah Persekutuan, Ibu Pejabat Perhutanan <i>Forest Ranger, Special Functions Unit & Federal Territory, Forestry Department Headquarters</i>	01.09.2007	Renjer Hutan, Unit Latihan Perhutanan Kepong <i>Forest Ranger, Forestry Training Unit, Kepong</i>
64.	Ilias bin Awang	Renjer Hutan, Unit Pengurusan Hutan, Ibu Pejabat Perhutanan <i>Forest Ranger, Forest Management Unit, Forestry Department Headquarters</i>	01.09.2007	Renjer Hutan, Unit Latihan Perhutanan Kepong <i>Forest Ranger, Forestry Training Unit, Kepong</i>
65.	Mohd Suhairi bin Mohd Supian	Renjer Hutan, Unit Latihan Perhutanan, Kepong <i>Forest Ranger, Forestry Training Unit, Kepong</i>	01.09.2007	Renjer Hutan, Pusat Latihan Perhutanan, Terengganu <i>Forest Ranger, Forestry Training Unit, Terengganu</i>

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66.	Khairi bin Mohd Nasib	Timbalan Pengarah (Perancangan Strategik), Unit Perancangan Hutan, Ibu Pejabat Perhutanan <i>Deputy Director (Strategic Planning), Forest Planning Unit, Forestry Department Headquarters</i>	15.09.2007	Timbalan Pengarah (Pembangunan II), Jabatan Perhutanan Negeri Pahang <i>Deputy Director (Development II), Pahang State Forestry Department</i>
67.	Ku Azmi bin Ku Aman	Tim. Pengarah (Inventori Hutan), Unit Pengurusan Hutan, Ibu Pejabat Perhutanan <i>Deputy Director (Forest Inventory), Forest Management Unit, Forestry Department Headquarters</i>	15.09.2007	Timbalan Pengarah (Perancangan Strategik), Unit Perancangan Hutan, Ibu Pejabat Perhutanan <i>Deputy Director (Strategic Planning), Forest Planning Unit, Forestry Department Headquarters</i>
68.	Mohd Puat bin Dahalan	Pegawai Dalam Latihan, Unit Pentadbiran dan Kewangan, Ibu Pejabat Perhutanan <i>In Training Officer, Administration and Finance Unit, Forestry Department Headquarters</i>	15.09.2007	Pen. Pengarah (Perancangan Projek), Unit Perancangan Hutan, Ibu Pejabat Perhutanan <i>Assistant Director (Project Planning), Forest Planning Unit, Forestry Department Headquarters</i>
69.	Othman bin Deris	Pegawai Dalam Latihan, Unit Pentadbiran dan Kewangan, Ibu Pejabat Perhutanan <i>In Training Officer, Administration and Finance Unit, Forestry Department Headquarters</i>	15.09.2007	Pen. Pengarah (Pengurusan Sumber Hutan), Unit Pengurusan Hutan, Ibu Pejabat Perhutanan <i>Assistant Director (Forest Resources Management), Forest Management Unit, Forestry Department Headquarters</i>
70.	Rusli bin Tahir	Pen. Pegawai Ladang (Perolehan Bahan Tanaman), Unit Ladang Hutan, Ibu Pejabat Perhutanan <i>Assistant Plantation Officer (Planting Material Procurement), Forest Plantation Unit, Forestry Department Headquarters</i>	15.09.2007	Pen. Pengarah (Perancangan & Penubuhan Ladang), Unit Ladang Hutan, Ibu Pejabat Perhutanan <i>Assistant Director (Planning & Plantation Establishment) Forest Plantation Unit, Forestry Department Headquarters</i>
71.	Nor Azirim bin Ahmad	Pen. Pengarah (Perancangan Projek), Unit Perancangan Hutan, Ibu Pejabat Perhutanan <i>Assistant Director (Project Planning), Forest Planning Unit, Forestry Department Headquarters</i>	15.09.2007	Pen. Pengarah (Operasi & Penguatkuasaan), Jabatan Perhutanan Negeri Kedah <i>Assistant Director (Operation & Enforcement), Kedah State Forestry Department</i>
72.	Azman bin Reseh @ Yaacob	Pembantu Tadbir (P/O), Jabatan RELA <i>Administrative Assistant (P/O), RELA Department</i>	17.09.2007	Pembantu Tadbir (P/O) Unit Ekonomi Hutan, Ibu Pejabat Perhutanan <i>Administrative (P/O), Forest Economic Unit, Forestry Department Headquarters</i>
73.	Mohd Paiz bin Kamaruzaman	Pengarah Penguatkuasaan, Unit Penguatkuasaan Hutan, Ibu Pejabat Perhutanan <i>Director of Enforcement, Forest Enforcement Unit, Forestry Department Headquarters</i>	01.10.2007	Timbalan Pengarah (Operasi Hutan), Jabatan Perhutanan Negeri Pahang <i>Deputy Director (Forest Operations), Pahang State Forestry Department</i>
74.	Dr. Mohd Yunus bin Zakaria	Pengarah Antarabangsa & Keurusetiaan Unit Antarabangsa, Ibu Pejabat Perhutanan <i>Director of International & Secretariat Unit, Forestry Department Headquarters</i>	01.10.2007	Tim. Pengarah (Pembangunan & Penubuhan Ladang), Unit Ladang Hutan, Ibu Pejabat Perhutanan <i>Deputy Director (Development & Plantation Establishment), Forest Plantation Unit, Forestry Department Headquarters</i>
75.	Yap Yee Hwai	Tim. Pengarah (Perancangan Sumber Hutan), Unit Pengurusan Hutan, Ibu Pejabat Perhutanan <i>Deputy Director (Forest Resources Planning), Forest Management Unit, Forestry Department Headquarters</i>	01.10.2007	Tim. Pengarah (Pembangunan Hutan), Jabatan Perhutanan Negeri Perak <i>Deputy Director (Forest Development), Perak State Forestry Department</i>
76.	Mohd Nasir bin Abu Hasan	Tim. Pengarah (Operasi), Jabatan Perhutanan Negeri Perak <i>Deputy Director (Operation), Perak State Forestry Department</i>	01.10.2007	Pengarah Penguatkuasaan, Unit Penguatkuasaan Hutan, Ibu Pejabat Perhutanan <i>Director of Enforcement, Forest Enforcement Unit, Forestry Department Headquarters</i>
77.	Dr. Mohd Hizamri bin Md Yasin	Pen. Pengarah (Hutan Bukan Kayu), Unit Silviculture & Perlindungan Hutan, Ibu Pejabat Perhutanan <i>Assistant Director (Non-Wood Forest), Silviculture & Forest Protection Unit, Forestry Department Headquarters</i>	03.10.2007	Pen. Pengarah (Pengurusan Sumber Hutan), Unit Pengurusan Hutan, Ibu Pejabat Perhutanan <i>Assistant Director (Forest Resources Planning), Forest Management Unit, Forestry Department Headquarters</i>
78.	Othman bin Deris	Pen. Pengarah (Pengurusan Sumber Hutan), Unit Pengurusan Hutan, Ibu Pejabat Perhutanan <i>Assistant Director (Forest Resources Management), Forest Management Unit, Forestry Department Headquarters</i>	03.10.2007	Pegawai Hutan Daerah (Raub & Cameron Highlands), Jabatan Perhutanan Pahang <i>District Forest Officer, (Raub & Cameron Highlands) Pahang State Forestry Department</i>
79.	Zainuddin bin Jamaluddin	Pegawai Hutan Daerah (Raub & Cameron Highlands), Jabatan Perhutanan Negeri Pahang <i>District Forest Officer, (Raub & Cameron Highlands), Pahang State Forestry Department</i>	03.10.2007	Pen. Pengarah (Hutan Bukan Kayu), Unit Silviculture & Perlindungan Hutan, Ibu Pejabat Perhutanan <i>Assistant Director (Non-Wood Forest), Silviculture & Forest Protection Unit, Forestry Department Headquarters</i>



BIL No	NAMA Name	JAWATAN TERDAHULU Previous Post	TARIKH Date	JAWATAN SEKARANG Current Post
80.	Yusup bin Abdul Rahaman	Pen. Pengarah (Hutan Lipur), Jabatan Perhutanan Negeri Johor <i>Assistant Director (Recreational Forest), Johore State Forestry Department</i>	15.10.2007	Peg. Hutan Jajahan (Kelantan Barat), Jabatan Perhutanan Negeri Kelantan <i>District Forest Officer (Western Kelantan), Kelantan State Forestry Department</i>
81.	Salim bin Ali	Pegawai Hutan Daerah, (Perak Selatan), Jabatan Perhutanan Negeri Perak <i>District Forest Officer, (Southern Perak), Perak State Forestry Department</i>	01.11.2007	Pegawai Hutan Daerah, Kuala Kangsar, Jabatan Perhutanan Negeri Perak <i>District Forest Officer, Kuala Kangsar, Perak State Forestry Department</i>
82.	Kasmania Akil bin Kasim	Juruteknik, Seksyen GIS, Unit Teknologi Maklumat, Ibu Pejabat Perhutanan <i>Technician, GIS Section, Information Technology Unit, Forestry Department Headquarters</i>	01.11.2007	Pembantu Teknik, Dewan Bandaraya Kuala Lumpur <i>Technical Assistant, Kuala Lumpur City Hall</i>
83.	Azmi bin Nordin	Tim. Pengarah (Pengurusan Sumber Hutan), Unit Pengurusan Hutan, Ibu Pejabat Perhutanan <i>Deputy Director (Forest Resources Management), Forest Management Unit, Forestry Department Headquarters</i>	15.11.2007	Tim. Pengarah (Operasi Hutan), Jabatan Perhutanan Negeri Kelantan <i>Deputy Director (Forest Operations), Kelantan State Forestry Department</i>
84.	Samsol bin Mokhtar	Pemandu Kenderaan Unit Pentadbiran dan Kewangan, Ibu Pejabat Perhutanan <i>Driver, Administration and Finance Unit, Forestry Department Headquarters</i>	29.11.2007	Pemandu Kenderaan, Pejabat Pertanian Selangor Barat, Kuala Selangor <i>Driver, Western Selangor Agriculture Office, Kuala Selangor</i>
85.	A. Rahim bin Omar	Pegawai Dalam Latihan, Unit Pentadbiran dan Kewangan, Ibu Pejabat Perhutanan <i>In Training Officer, Administration and Finance Unit, Forestry Department Headquarters</i>	17.12.2007	Pen. Pegawai Silvicultur (Hutan Bukit), Unit Silvicultur & Perlindungan Hutan, Ibu Pejabat Perhutanan <i>Assistant Silviculture Officer, (Hill Forest), Silviculture & Forest Protection Unit, Forestry Department Headquarters</i>
86.	Mohd Asri bin Yussof	Pegawai Dalam Latihan, Unit Pentadbiran dan Kewangan, Ibu Pejabat Perhutanan <i>In Training Officer, Administration and Finance Unit, Forestry Department Headquarters</i>	17.12.2007	Pengajar Sekolah Perhutanan Kepong, Unit Latihan Perhutanan, Kepong <i>Tutor, Kepong School of Forest, Forestry Training Unit, Kepong</i>
87.	Rajihan bin Rahim	Pegawai Dalam Latihan, Unit Pentadbiran dan Kewangan, Ibu Pejabat Perhutanan <i>In Training Officer, Administration and Finance Unit, Forestry Department Headquarters</i>	17.12.2007	Pen. Pegawai Ladang (Perolehan Bahan Tanaman), Unit Ladang Hutan, Ibu Pejabat Perhutanan <i>Assistant Plantation Forest, (Planting Material Procurement), Forest Plantation Unit, Forestry Department Headquarters</i>
88.	Norddin bin Noor	Pegawai Dalam Latihan, Unit Pentadbiran dan Kewangan, Ibu Pejabat Perhutanan <i>In Training Officer, Administration and Finance Unit, Forestry Department Headquarters</i>	17.12.2007	Pengajar Sekolah Perhutanan Kepong, Unit Latihan Perhutanan, Kepong <i>Tutor, Kepong School of Forest, Forestry Training Unit, Kepong</i>
89.	Azmi bin Mohd Zain	Pegawai Dalam Latihan, Unit Pentadbiran dan Kewangan, Ibu Pejabat Perhutanan <i>In Training Officer, Administration and Finance Unit, Forestry Department Headquarters</i>	17.12.2007	Pen. Pegawai Ladang, (Pengusahaan Ladang), Unit Ladang Hutan, Ibu Pejabat Perhutanan <i>Assistant Plantation Forest, (Plantation Harvesting), Forest Plantation Unit, Forestry Department Headquarters</i>

Kakitangan Yang Bersara / Retired Staff

BIL No	NAMA Name	JAWATAN AKHIR Last Post	TARIKH Date	GED Grade
1.	Amaniah binti Saad	Pembantu Tadbir (P/O), Unit Pentadbiran dan Kewangan, Ibu Pejabat Perhutanan <i>Administrative Assistant (P/O), Administration and Finance Unit, Forestry Department Headquarters</i>	02.03.2007	N17
2.	Abd Latib bin Halidi	Pemandu Kenderaan Unit Pentadbiran dan Kewangan, Ibu Pejabat Perhutanan <i>Driver, Administration and Finance Unit, Forestry Department Headquarters</i>	16.03.2007	R3
3.	Samsuddin bin Karman	Pembantu Tadbir (P/O), Unit Ladang Hutan, Ibu Pejabat Perhutanan <i>Administrative Assistant (P/O), Forest Plantation Unit, Forestry Department Headquarters</i>	01.05.2007	N17
4.	Hassan bin Mohd	Pekerja Rendah Awam, Pusat Latihan Perhutanan, Kuala Terengganu <i>General Worker, Forestry Training Centre, Kuala Terengganu</i>	05.05.2007	R1
5.	Ahmad Fekry bin Abu Bakar	Pegawai Hutan Daerah, Johor Tengah, Kluang, Jabatan Perhutanan Negeri Johor <i>District Forest Officer, Central Johore, Kluang, Johore State Forestry Department</i>	31.05.2007	G48

6.	Musa @ Azmi bin Hassan	Pen. Pemelihara Hutan, Jabatan Perhutanan Negeri Selangor <i>Assistant Conservator of Forest, Selangor State Forestry Department</i>	01.06.2007	G27
7.	Dato' Mokhtar bin Mat Isa	Timbalan Ketua Pengarah Perhutanan (Operasi Hutan), Ibu Pejabat Perhutanan <i>Deputy Director General of Forestry (Forest Operations), Forestry Department Headquarters</i>	10.07.2007	VU7
8.	Mahdan bin Bongkik	Pengarah, Unit Latihan Perhutanan Kepong <i>Director of Forestry Training Unit, Kepong</i>	16.07.2007	G 54
9.	Radzi bin Jamaluddin	Peg. Hutan Jajahan, Kelantan Barat, Pejabat Perhutanan Negeri Kelantan <i>District Forest Officer, Western Kelantan, Kelantan State Forestry Department</i>	20.09.2007	G 48
10.	Razali bin Hussin	Pegawai Hutan Daerah, Kuala Kangsar, Jabatan Perhutanan Negeri Perak <i>District Forest Officer, Kuala Kangsar, Perak State Forestry Department</i>	15.10.2007	G 48
11.	Zainuddin bin Mohd Ariff	Timbalan Pengarah (Operasi Hutan), Kelantan, Pejabat Perhutanan Negeri Kelantan <i>Deputy Director (Forest Operations), Kelantan State Forestry Department</i>	26.10.2004	G 52
12.	Dato' Seri Azahar bin Muda	Ketua Pengarah Perhutanan Semenanjung Malaysia <i>Director General of Forestry Peninsular Malaysia</i>	13.11.2007	VU 6
13.	Roslan bin Abas	Pemelihara Hutan, Unit Latihan Perhutanan Kepong <i>Conservator of Forest, Forestry Training Unit, Kepong</i>	28.11.2007	G48
14.	Sulaiman bin Ibrahim	Pengawas Hutan, Unit Ladang Hutan, Ibu Pejabat Perhutanan <i>Forester, Forest Plantation Unit, Forestry Department Headquarters</i>	15.12.2007	G11

Pegawai Yang Meninggal Dunia / *Staff Passed Away*

BIL No	NAMA Name	JAWATAN AKHIR Last Position	TARIKH Date	GRED Grade
1.	Marena binti Ismail	Pen. Pemelihara Hutan, Unit Ladang Hutan, Ibu Pejabat Perhutanan <i>Assistant Conservator of Forest, Forest Plantation Unit, Forestry Department Headquarters</i>	09.01.2007	G 27
2.	Ismail bin Dollah	Ketua Pegawai Tadbir, Ibu Pejabat Perhutanan <i>Chief Administrative Officer, Forestry Department Headquarters</i>	24.07.2007	M 48

Pegawai Dalam Latihan / *In Training Officer*

BIL No	NAMA Name	JAWATAN TERDAHULU Previous Post	TARIKH Date	Pegawai Dalam Latihan In Training Officer
1.	Wan Radzi bin Wan Abdullah	Pengajar, Sekolah Perhutanan Kepong, Unit Latihan Perhutanan, Kepong <i>Tutor, Kepong School of Forest, Forestry Training Unit, Kepong</i>	01.07.2007	Pegawai Dalam Latihan In Training Officer
2.	Lokman bin Abdullah	Pen. Peg. Hutan Daerah Johor Timur, Jabatan Perhutanan Negeri Johor <i>Assistant District Forest Officer Eastern Johore, Johore State Forestry Department</i>	01.07.2007	Pegawai Dalam Latihan In Training Officer
3.	Zulkifli bin Abd Hamid	Pen. Pegawai (Operasi & Penguatkuasaan) Jabatan Perhutanan Negeri Terengganu <i>Assistant Officer (Operation & Enforcement), Terengganu State Forestry Department</i>	01.07.2007	Pegawai Dalam Latihan In Training Officer
4.	Abu Bakar bin Rapae	Pengajar, Sekolah Perhutanan Kepong, Unit Latihan Perhutanan, Kepong <i>Tutor, Kepong School of Forest, Forestry Training Unit, Kepong</i>	01.07.2007	Pegawai Dalam Latihan In Training Officer

LAMPIRAN / APPENDIX C

SENARAI PENERIMA ANUGERAH PERKHIDMATAN CEMERLANG, 2006 IBU PEJABAT PERHUTANAN SEMENANJUNG MALAYSIA

LIST OF RECIPIENTS OF EXCELLENT SERVICE AWARDS, 2006 FORESTRY DEPARTMENT HEADQUARTERS PENINSULAR MALAYSIA

BIL No	NAMA Name	JAWATAN Post
1.	Dr. Abd Rahman bin Abd Rahim	Pemelihara Hutan G54 <i>Conservator of Forest</i>
2.	Masran bin Md Salleh	Pemelihara Hutan G54 <i>Conservator of Forest</i>
3.	Rahimi bin Othman	Pemelihara Hutan G48 (II) <i>Conservator of Forest</i>
4.	Borhanudin bin Arshad	Pemelihara Hutan G48 <i>Conservator of Forest</i>
5.	Azmi bin Nordin	Pemelihara Hutan G48 <i>Conservator of Forest</i>
6.	Khairuddin bin Mohamad Mor	Pemelihara Hutan F48 <i>Conservator of Forest</i>
7.	Saiful Azzuan bin Aznam	Jurutera J41 <i>Engineer</i>
8.	Nor Halizah binti Abd Halim	Pemelihara Hutan G41 <i>Conservator of Forest</i>
9.	Zahriah binti Anis	Penolong Pemelihara Hutan G32 <i>Assistant Conservator of Forest</i>
10.	Mohd Nasir bin Mohd	Penolong Pemelihara Hutan G32 <i>Assistant Conservator of Forest</i>
11.	Shaharom Najim bin Ishak	Penolong Pemelihara Hutan G27 <i>Assistant Conservator of Forest</i>
12.	Amir Hafidz bin Mohd Taha	Penolong Pemelihara Hutan G27 <i>Assistant Conservator of Forest</i>
13.	Erik Lim Chong Ping	Penolong Pemelihara Hutan G27 <i>Assistant Conservator of Forest</i>
14.	Mat Salim bin Samsuddin	Pembantu Penyelidik Q17 <i>Research Assistant</i>
15.	Masuri bin Abd Manan	Pembantu Penyelidik Q17 <i>Research Assistant</i>
16.	Salmiah binti Osman	Pelukis Plan J17 <i>Tracer</i>
17.	Mohd Nizam bin Awang	Juruteknik J17 <i>Technician</i>
18.	Samsuddin bin Karman	Pembantu Tadbir (Perkeranian/ Operasi) N17 <i>Administrative Assistant (Clerical/ Operation)</i>
19.	Suhana @ Noorhuda binti Suhaimi	Pembantu Tadbir (Perkeranian/ Operasi) N17 <i>Administrative Assistant (Clerical/ Operation)</i>
20.	Che Norhariza binti Che Aziz	Pembantu Tadbir (Perkeranian/ Operasi) N17 <i>Administrative Assistant (Clerical/ Operation)</i>
21.	Suriya binti Yunus	Pembantu Tadbir (Perkeranian/ Operasi) N17 <i>Administrative Assistant (Clerical/ Operation)</i>
22.	Mohd Noor bin Mohamad	Pengawas Hutan G11 <i>Forester</i>
23.	Norzilah binti Ishak	Pengawas Hutan G11 <i>Forester</i>
24.	Kalsom binti Ibrahim	Pembantu Tadbir Rendah N11 <i>Junior Administrative Assistant</i>
25.	Muhammad bin Hasan	Pembantu Am Rendah N1 <i>General Assistant</i>
26.	Azmi bin Othman	Pemandu Kenderaan Bermotor R3 <i>Driver</i>
27.	Mohamed Sani bin Johar	Pemandu Kenderaan Bermotor R3 <i>Driver</i>
28.	Abd Razak bin Abd Rahim	Pemandu Kenderaan Bermotor R3 <i>Driver</i>

LAMPIRAN / APPENDIX D

SENARAI PEGAWAI YANG TELAH MENGHADIRI KURSUS/SEMINAR/BENGKEL/PERSIDANGAN /
LAWATAN RASMI / MESYUARAT LUAR NEGERI, 2007

LIST OF OFFICER WHO HAD ATTENDED COURSES/SEMINARS/WORKSHOPS/CONFERENCES /
OFFICIAL VISITS / MEETINGS OVERSEAS, 2007

BIL. No.	KURSUS Courses	NAMA Name	TARIKH Date	TEMPAT Venue
1.	Rundingan Pusingan Keempat Perjanjian Perdagangan Bebas Malaysia-Amerika Syarikat	Dr. Mohd Yunus bin Zakaria	8 – 12 Jan 2007	San Francisco, USA.
2.	Meeting Of National Focal Points of APFSOS	Azmi bin Nordin	31 Jan – 2 Feb 2007	Chiang Mai, Thailand.
3.	Meeting on Regional Workshop On Forest Cover Change	Yap Yee Hwai	1 – 2 Feb 2007	Jakarta, Indonesia.
4.	Country Led Initiative (CLI) On Multilayer Programme Of Work (MYPOW) Of The United Nations Forum On Forest (UNFF)	Dato' Seri Azahar bin Muda Dato' Mokhtar bin Mat Isa	13 – 16 Feb 2007	Nusa Dua, Bali, Indonesia.
5.	Joint Research to Promote Sustainable Forest Management	Dr. Mohd Hizamri bin Yassin	26 – 27 Feb 2007	Bandar Seri Begawan, Brunei Darussalam.
6.	Second International Agarwood Conference In Thailand	Lim Kee Leng	4 – 11 Mac 2007	Thailand
7.	International Expert Meeting On Illegal Logging "Possible Way Forward Towards More Sustainable Forest Management"	Mohd Paiz bin Kamaruzaman	5 – 6 Mac 2007	Tokyo, Jepun
8.	18th Session Of The Committee On Forestry (COFO)	Dato' Dahlan bin Taha	13 – 16 Mac 2007	Rome, Itali
9.	Commonwealth Study Conference Association of Malaysia	Siti Dessyma binti Isnani	14 – 30 Mac 2007	New Delhi, India
10.	Mainstreaming Forestry-Training Workshop On Broadening, Harmonization And Cross-Sectoral Integration Of National Forest Inventories In Asia Pacific Region	Yap Yee Hwai	26 – 31 Mac 2007	Beijing, China
11.	Meeting On "Forest Law Enforcement, Governance And Trade-Voluntary Partnership Agreement (FLEGT-VPA).	Mohd Paiz bin Kamaruzaman	17 – 18 April 2007	Brussels, Belgium.
12.	Forest Policy Short Course	Chin Yue Mun	22 April – 4 Mei 2007	Nonthaburi, Bangkok, Thailand.
13.	First Meeting Of The Asean Social Forestry Network (ASFN)	Kamaruzaman bin Ali Budin	23 – 27 April 2007	Semarang, Indonesia.
14.	Huta 7th Session of The United Nations Forum On Forest (UNFF-7)	Masran bin Md Salleh	16 – 27 April 2007	New York, USA.
15.	3rd Meeting of The Tri-National Task Force on Trade In Ramin	Dr. Mohd Yunus bin Zakaria	7 – 8 Mei 2007	Singapura
16.	Invitation to The 5th Meeting of The Asean Experts Group On CITES (AEG-CITES)	Dr. Mohd Yunus bin Zakaria	9 – 11 Mei 2007	Singapura
17.	Forty-Second Session of The International Tropical Timber Council And Associated Sessions of The Committee	Koh Hock Lye	7 – 12 Mei 2007	Port Moresby, Papua New Guinea.
18.	Asean Training Workshop On National Forest Programme	Nazir Khan bin Nizam Khan	10 – 12 Mei 2007	Jakarta, Indonesia.
19.	3rd Meeting of The Asean Experts Group On International Forest Policy Processes (AEG-IFPP)	Nazir Khan bin Nizam Khan	14 – 15 Mei 2007	Jakarta, Indonesia.
20.	G8 Illegal Logging Dialogue Legislators Forum	Dato' Seri Azahar bin Muda	3 – 4 Jun 2007	Berlin, Jerman.
21.	CITES: 14th Meeting of The Conference of The Parties (COP14)	Dr. Mohd Yunus bin Zakaria	3 – 15 Jun 2007	The Hague, Netherlands.
22.	ITTO Regional Workshop on "Promote The Exchange of Experience At The Regional Level On The Implementation of Sustainable Forest Management Through ITTO Supported Projects"	Azmi bin Nordin Shashiah binti Abd Karim	4 – 7 Jun 2007	Bali, Indonesia.
23.	The 6th Meeting of The Ad-hoc Working Group On Pan Asean Timber Certification Initiative and Roundtable Discussion On Elements For Timber Legality Standard Definition.	Mohd Paiz bin Kamaruzaman	4 – 6 Jun 2007	Hanoi, Viet Nam.
24.	Third Meeting of The Technical Working Group (TWG) on Transboundary Haze Pollution.	Dato' Mokhtar bin Mat Isa	19 Jun 2007	Jambi, Sumatera, Indonesia.
25.	Third Meeting of Sub-Regional Ministerial Steering Committee (MSC) on Transboundary Haze Pollution.	Dato' Mokhtar bin Mat Isa	20 Jun 2007	Jambi, Sumatera, Indonesia.
26.	Second ASOF Roundtable On Strengthening Asean Cooperation In East Asia Forest Law Enforcement And Governance (EA-FLEG)	Mohd Paiz bin Kamaruzaman	28 – 29 Jun 2007	Manila, Filipina.
27.	12th Meeting of The Subsidiary Body On Scientific, Technical And Technologies Advices (SBSTTA-12)	Mohd Ridza bin Awang	2 – 6 Julai 2007	Paris, Perancis
28.	Second Meeting of The Ad Hoc Open-ended Working Group on Review of Implementation of The Convention (WGRI-2)	Mohd Ridza bin Awang	9 – 13 Julai 2007	Paris, Perancis
29.	The 10th Meeting of The Asean Senior Officials On Forestry (ASOF) And Forestry Related Meeting	Dato' Dahlan bin Taha	9 – 13 Julai 2007	Vientiane, Laos PDR
30.	Heart of Borneo Tri-Lateral Meeting	Azmi bin Nordin	18 – 20 Julai 2007	Bandar Seri Begawan, Brunei Darussalam.

31.	<i>High Level Meeting On Climate</i>	Dato' Seri Azahar bin Muda	23 – 25 Julai 2007	Sydney, Australia.
32.	<i>Special Senior Officials Meeting of The 28th Meeting of Asean Ministers on Agriculture And Forestry</i>	Dato' Dahlan bin Taha	31 Julai – 2 Ogos 2007	Singapura.
33.	<i>Regional Workshop on Improving Forest Law Compliance And Governance In Southeast Asia</i>	Mohd Paiz bin Kamaruzaman	11 – 13 Sept 2007	Manila, Filipina.
34.	<i>Workshop on Job Standards For Protected Areas</i>	Muhamad Azmi bin Ibrahim	24 – 29 Sept 2007	Bangkok, Thailand.
35.	<i>The Future of Forest In Asia And The Pacific: Outlook For 2020 Conference and Meeting on Focal Point</i>	Dato' Dahlan bin Taha Azmi bin Nordin	16 – 19 Okt 2007	Chiang Mai, Thailand.
36.	<i>"China-Asean Forestry Cooperation Forum"</i>	Dato' Razani bin Ujang Dr. Mohd Yunus bin Zakaria	30 – 31 Okt 2007	Nanning, Guangxi, China.
37.	Mesyuarat Menteri-Menteri Pertanian dan Perhutanan ASEAN Ke-29 (29th AMAF and 7th AMAF + 3)	Nik Mohd Shah bin Nik Mustafa	28 Okt – 4 Nov 2007	Bangkok, Thailand.
38.	<i>Regional Training Workshop On Sustainable Use of Coastal Wetlands Bordening The South China Sea and Gulf of Thailand.</i>	Noradli @ Mohd Adli bin Parsada	5 – 20 Nov 2007	Bangkok, Thailand.
39.	<i>Regional Training Course On Rehabilitation of Degraded Lands In Asia and Africa.</i>	Suhaili @ Sulahi bin Rosli	6 Nov – 19 Dis 2007	Yokohama, Jepun.
40.	<i>Fourty-Third Session of The International Tropical Council (ITTC) and Associated Session of The Committees.</i>	Koh Hock Lye	5 – 10 Nov 2007	Yokohama, Jepun.
41.	<i>The 7th Meeting of The Asean Forest Partnership (AFP 7).</i>	Koh Hock Lye	12 – 15 Nov 2007	Yokohama, Jepun.
42.	<i>High Level Special Event On Forestry and Energy</i>	Dato' Seri Azahar bin Muda Dr. Mohd Yunus bin Zakaria	20 – 24 Nov 2007	Rome, Itali.
43.	Persidangan Parti – Parti Ke 13 (COP13) Kepada United Nation Frameworks On Climate Change Dan Mesyuarat Parti – Parti Ke 3 (MOP3) Kepada Kyoto Protocol	Dato' Dahlan bin Taha	3 – 14 Dis 2007	Bali, Indonesia.
44.	<i>Third Regional Scientific Conference For The UNEP/GEF: South China Sea Project</i>	Koh Hock Lye	27 – 30 Dis 2007	Bangkok, Thailand.

LAMPIRAN / APPENDIX E

SENARAI PEGAWAI KANAN DAN KUMPULAN SOKONGAN DALAM JABATAN PERHUTANAN SEMENANJUNG MALAYSIA PADA 31 DISEMBER 2007
LIST OF SENIOR OFFICERS AND SUPPORTING GROUPS IN THE FORESTRY DEPARTMENT PENINSULAR MALAYSIA AS AT 31 DECEMBER 2007

Ibu Pejabat Perhutanan Semenanjung Malaysia
Forestry Department Headquarters Peninsular Malaysia

NAMA PEGAWAI / Officers' Name	GELARAN JAWATAN / Post	STESYEN / Station
Direktorat / <i>Directorate</i> Dato' Seri Azahar bin Muda	Ketua Pengarah Perhutanan Semenanjung Malaysia <i>Director General of Forestry Peninsular Malaysia</i>	
Dato' Razani bin Ujang	Timbalan Ketua Pengarah Perhutanan (Operasi Hutan) <i>Deputy Director General of Forestry (Forest Operations)</i>	
Dato' Dahlan bin Taha	Timbalan Ketua Pengarah Perhutanan (Perancangan & Pembangunan Hutan) <i>Deputy Director General of Forestry (Forest Planning & Development)</i>	

Bahagian Operasi Hutan / *Forest Operations Division*
Pentadbiran & Kewangan / *Administration & Finance*

NAMA PEGAWAI / Officers' Name	GELARAN JAWATAN / Post	STESYEN / Station
Wan Azwar Zaihan bin Wan Ahmad	Ketua Pegawai Tadbir <i>Chief Administrative Officer</i>	
Azlin binti Ahmad	Pen. Pegawai Tadbir <i>Assistant Administrative Officer</i>	
Fuimei Chong	Pen. Akauntan <i>Assistant Accountant</i>	

Pegawai Dalam Latihan / *In Training Officer*

NAMA PEGAWAI / Officers' Name	GELARAN JAWATAN / Post	STESYEN / Station
Nor Haidi bin Yunus	Pemelihara Hutan <i>Conservator of Forest</i>	
Mohd Jinis bin Abdullah	Pemelihara Hutan <i>Conservator of Forest</i>	
Wan Abdul Hamid Shukri bin Wan Abdul Rahman	Pemelihara Hutan <i>Conservator of Forest</i>	
Abu Bakar bin Rapae	Pen. Pemelihara Hutan <i>Asst. Conservator of Forest</i>	
Lokman bin Abdullah	Pen. Pemelihara Hutan <i>Asst. Conservator of Forest</i>	
Wan Radzi bin Wan Abdullah	Pen. Pemelihara Hutan <i>Asst. Conservator of Forest</i>	
Zulkifli bin Abd Hamid	Pen. Pemelihara Hutan <i>Asst. Conservator of Forest</i>	

Perpustakaan / Library

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Mohd Izani bin Che Jaafar	Pustakawan <i>Librarian</i>	Perpustakaan <i>Library</i>

Unit Latihan Perhutanan, Kepong / *Forestry Training Unit, Kepong*

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Abdullah Sani bin Shaffie	Pengarah Latihan Perhutanan <i>Director of Forestry Training</i>	Unit Latihan Perhutanan, Kepong <i>Forestry Training Unit, Kepong</i>
Zainal bin Jain	Timbalan Pengarah Latihan Perhutanan (Peperiksaan & PTK) <i>Deputy Director of Forestry Training (Examinations & PTK)</i>	
Kosong	Timbalan Pengarah Latihan Perhutanan (Pembangunan Latihan) <i>Deputy Director of Forestry Training (Training Development)</i>	
Kosong	Pegawai Latihan <i>Training Officer</i>	
Mohd Azmi bin Ibrahim	Pegawai Peperiksaan & PTK <i>Examinations & PTK Officer</i>	
Nor Lokman bin Muhamad Nor @ Fakru	Pegawai Pengembangan <i>Development Officer</i>	
Haffiz bin Baharuddin	Pen. Pegawai Latihan <i>Assistant Training Officer</i>	
Sekolah Perhutanan Kepong / <i>Kepong School of Forestry</i>		
Rahimi bin Othman	Pengetua / <i>Principal</i>	
Yahya bin Muda	Pensyarah / <i>Lecturer</i>	
Muhammad Azizun bin Jaafar	Pensyarah / <i>Lecturer</i>	
Hasliandi bin Hashim	Pengajar / <i>Tutor</i>	
Mohd Asri bin Yusof	Pengajar / <i>Tutor</i>	
Norddin bin Noor	Pengajar / <i>Tutor</i>	
Riano bin Janirin	Pengajar / <i>Tutor</i>	
Asma binti Zainuddin	Pengajar / <i>Tutor</i>	
Norazilla binti Yatim	Pengajar / <i>Tutor</i>	

Unit Kejuruteraan Hutan / *Forest Engineering Unit*

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Yong Kai Min	Pengarah Kejuruteraan Hutan <i>Director of Forest Engineering</i>	Unit Kejuruteraan Hutan <i>Forest Engineering Unit</i>
Abdul Rashid bin Othman	Pembantu Teknik <i>Technical Assistant</i>	
Razeman bin Abd Rahim	Pembantu Teknik <i>Technical Assistant</i>	
Nurmaliza binti Mohd Azmi	Pembantu Teknik <i>Technical Assistant</i>	
Unit Kejuruteraan Hutan di Jabatan Perhutanan Negeri-Negeri <i>Forest Engineering Unit at State Forestry Department</i>		
Zainal Abidin bin Jonid	Pembantu Teknik <i>Technical Assistant</i>	Perak
Mariam binti Abd Karim	Juruteknik <i>Technician</i>	Perak
Suhaimi bin Mokhtar	Jurutera <i>Engineer</i>	Pahang
Raja Ablah bin Raja Ismail	Pembantu Teknik <i>Technical Assistant</i>	Pahang
Alias bin Sulaiman	Jurutera <i>Engineer</i>	Terengganu
Mohd Hanafi bin Hamzah	Pembantu Teknik <i>Technical Assistant</i>	Terengganu
Mohd Nawī bin Ismail @ Ali	Juruteknik <i>Technician</i>	Terengganu
Rohaizi bin Hashim	Jurutera <i>Engineer</i>	Kedah
RS Chandrasegaran a/l Subramaniam	Pembantu Teknik <i>Technical Assistant</i>	Kedah

Yahaya bin Mohd Noh	Jurutera <i>Engineer</i>	Johor
Azizan bin Mohd Yasin	Jurutera <i>Engineer</i>	Kelantan
Wan Amran bin Wan Osman	Pembantu Teknik <i>Technical Assistant</i>	Kelantan

Unit Penguatkuasaan / *Enforcement Unit*

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Mohd Nasir bin Abu Hassan	Pengarah Penguatkuasaan <i>Director of Enforcement</i>	Unit Penguatkuasaan <i>Enforcement Unit</i>
Muhamad Ezhar bin Yusuf @ Antik	Pegawai Penguatkuasaan <i>Enforcement Officer</i>	

Unit Kemajuan Perindustrian Hutan / *Forest Industrial Development Unit*

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Saiful Muzamir bin Ismail	Pengarah Kemajuan Perindustrian Hutan <i>Director of Forest Industrial Development Unit</i>	Unit Kemajuan Perindustrian Hutan <i>Forest Industrial Development Unit</i>
Burhanuddin bin Abdul Rahman	Jurutera/ <i>Engineer</i>	
Vijayan a/l Kangaya	Jurutera/ <i>Engineer</i>	
Mohd Azmi bin Hashim	Jurutera/ <i>Engineer</i>	
Ahmad Fikri bin Mohd Omar	Jurutera/ <i>Engineer</i>	
Kosong	Jurutera/ <i>Engineer</i>	
Kamarulzaman bin Hussin	Pembantu Teknik <i>Technical Assistant</i>	
Ismail bin Desa	Pembantu Teknik <i>Technical Assistant</i>	
Zulazfar Husaini bin Abdullah Sani	Pembantu Teknik <i>Technical Assistant</i>	
Kosong	Pembantu Teknik <i>Technical Assistant</i>	

Unit Tugas-Tugas Khas Dan Wilayah Persekutuan
Special Functions Unit And Federal Territory

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Borhanudin bin Arshad	Pengarah Tugas-Tugas Khas & Wilayah Persekutuan <i>Director of Special Functions & Federal Territory</i>	Unit Tugas-Tugas Khas Dan Wilayah Persekutuan / <i>Special Functions & Federal Territory Unit</i>
Zahariah binti Anis	Pen. Pemelihara Hutan <i>Assistant Conservator of Forest</i>	

Unit Antarabangsa Dan Keurusetiaan / *International And Secretariat Unit*

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Dr. Mohd Yunus bin Zakaria	Pengarah Antarabangsa & Keurusetiaan <i>Director of International & Secretariat</i>	Unit Antarabangsa & Keurusetiaan <i>International & Secretariat Unit</i>
Nazir Khan bin Nizam Khan Suratee	Pegawai Antarabangsa & Keurusetiaan <i>International & Secretariat Officer</i>	
Mohd Yusof bin Baharom	Pegawai Antarabangsa & Keurusetiaan <i>International & Secretariat Officer</i>	

Bahagian Perancangan Dan Pembangunan Hutan
Forest Planning And Development Division

Unit Silvikultur dan Perlindungan Hutan / *Silviculture and Forest Protection Unit*

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Koh Hock Lye	Pengarah Silvikultur & Perlindungan Hutan <i>Director of Silviculture & Forest Protection</i>	Unit Silvikultur & Perlindungan Hutan <i>Silviculture & Forest Protection Unit</i>
Kosong	Timbalan Pengarah Silvikultur (Hutan Bukan Kayu) <i>Deputy Director of Silviculture (Non-Wood Forest)</i>	
Shashiah binti Abdul Karim	Timbalan Pengarah Silvikultur (Kepelbagaian Hutan) <i>Deputy Director of Silviculture (Forest Diversity)</i>	
Kosong	Timbalan Pengarah Silvikultur (Hutan Bukit) <i>Deputy Director of Silviculture (Hill Forest)</i>	
Rahimi bin Osman	Timbalan Pengarah (Pembangunan Latihan) <i>Deputy Director (Training Development)</i>	Unit Latihan Perhutanan Kepong <i>Forestry Training Unit, Kepong</i>

Zahari bin Ibrahim	Penolong Pengarah Silvikultur (Sumber Genetik) <i>Assistant Director of Silviculture (Genetic Resource)</i>	Unit Penguatkuasaan Enforcement Unit
Zainuddin bin Jamaluddin	Penolong Pengarah Silvikultur (Hutan Bukan Kayu) <i>Assistant Director of Silviculture (Non-Wood Forest)</i>	
Sulahi @ Suhaili bin Rosli	Penolong Pengarah Silvikultur (Hutan Paya Laut) <i>Assistant Director of Silviculture (Mangrove Forest)</i>	
Mohd Shukri bin Aziz	Penolong Pengarah Silvikultur (Hutan Rekreasi) <i>Assistant Director of Silviculture (Recreational Forest)</i>	Jabatan Perhutanan Negeri Perlis <i>Perlis State Forestry Department</i>
Azman bin Abdul Rahman	Penolong Pengarah Silvikultur (Hutan Masyarakat) <i>Assistant Director of Silviculture (Community Forestry)</i>	
Raffae bin Ahmad	Penolong Pengarah Silvikultur (Hutan Bukit) <i>Assistant Director of Silviculture (Hill Forest)</i>	
Nor Hafizah binti Mustafa	Pen. Pegawai Silvikultur (Hutan Bukan Kayu) <i>Assistant Silviculture Officer (Non-Wood Forest)</i>	
A. Rahim bin Omar	Pen. Pegawai Silvikultur (Hutan Bukit) <i>Assistant Silviculture Officer (Hill Forest)</i>	
Fadlish bin Kansuh	Pen. Pegawai Silvikultur (Hutan Paya Laut) <i>Assistant Silviculture Officer (Mangrove Forest)</i>	

Unit Ladang Hutan / *Forest Plantation Unit*

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Zulkefli bin Mokhtar	Pengarah Ladang Hutan <i>Director of Forest Plantation</i>	Unit Ladang Hutan <i>Forest Plantation Unit</i>
Kosong	Timbalan Pengarah Ladang Hutan <i>Deputy Director of Forest Plantation</i>	
Kamaruzaman bin Ali Budin	Timbalan Pengarah Ladang Hutan (Perhutanan Tani) <i>Deputy Director of Forest Plantation (Agro-Forestry)</i>	
Kosong	Timbalan Pengarah Ladang Hutan (Pengurusan) <i>Deputy Director of Forest Plantation (Management)</i>	

Mohd Ridza bin Awang	Pen. Pengarah (Perolehan Bahan Tanaman) <i>Assistant Director (Planting Materials Procurement)</i>	Pegawai Khas Kepada KPP <i>Special Officer to DG</i>
Mohd Yussainy bin Md Yusop	Pen. Pengarah (Pengurusan & Kajian Ladang) <i>Assistant Director (Management & Plantation Trial)</i>	Unit Latihan <i>Perhutanan Forestry Training Unit</i>
Kosong	Pen. Pengarah (Perhutanan Tani) <i>Assistant Director (Agro Forestry)</i>	
Nor Halizah binti Abd Halim	Pen. Pengarah (Maklumat & Pengembangan) <i>Assistant Director (Information & Development)</i>	
Noradli @ Mohd Adli bin Parsada	Pen. Pengarah (Pemuliharaan Hutan) <i>Assistant Director (Forest Rehabilitation)</i>	Sekretariat Bakau <i>Mangrove Secretariat</i>
Rusli bin Tahir	Pen. Pengarah (Perancangan & Penubuhan Ladang) <i>Assistant Director (Planning & Plantation Establishment)</i>	
Kosong	Pen. Pengarah (Pengusahaan Ladang) <i>Assistant Director (Plantation Harvesting)</i>	
Claysius @ Cladius bin Kongoi	Pen. Pengarah (Perlindungan dan Pembangunan) <i>Assistant Director (Protection and Development)</i>	
Norzalyta binti Mohd Ghazali	Pen. Pengarah (Pemeliharaan Ex-situ) <i>Assistant Officer (Ex-situ Rehabilitation)</i>	Sekretariat Bakau <i>Mangrove Secretariat</i>
Mohamad Rizal bin Abd. Rahim	Pen. Pegawai Ladang (Hutan Komersial) <i>Assistant Plantation Officer (Commercial Forest)</i>	
Kosong	Pen. Pegawai Ladang (Pengurusan dan Kajian Ladang) <i>Assistant Plantation Officer (Management & Plantation Trial)</i>	
Azmi bin Mohd Zain	Pen. Pegawai Ladang (Pengusahaan Ladang) <i>Assistant Plantation Officer (Plantation Harvesting)</i>	
Mazuraa bin Marzuki	Pen. Peg. (Pemeliharaan Ex-situ) <i>Assistant Officer (Ex-situ Rehabilitation)</i>	
Noor Izianti binti Ishak	Pen. Pegawai Ladang (Maklumat & Pengembangan) <i>Assistant Plantation Officer (Information & Development)</i>	
Sanja a/p Boon Kong	Pen. Pegawai Ladang (Penubuhan Ladang) <i>Assistant Plantation Officer (Plantation Establishment)</i>	



Jailani bin Omar	Pen. Peg. Pemuliharaan Ex-situ <i>Assistant Officer Ex-situ Rehabilitation</i>	Unit Penguatkuasaan <i>Enforcement Unit</i>
Azlan bin Abdul Aziz	Pen. Pegawai Ladang (Perhutanan - Tani) <i>Assistant Plantation Officer (Agro-Forestry)</i>	
Siti Aishah binti Abd Wahab	Pen. Pegawai Ladang (Perlindungan & Pembangunan Hutan) <i>Assistant Plantation Officer (Forest Protection and Development)</i>	
Suhaidi bin Sinin	Pen. Pegawai Ladang (Pemuliharaan Hutan) <i>Assistant Plantation Officer (Forest Rehabilitation)</i>	
Rajihan binti Rahim	Pen. Pegawai Ladang (Perolehan Bahan Tanaman) <i>Assistant Plantation Officer (Planting Materials Procurement)</i>	
Ngaijah binti Sadali	Pen. Pemelihara Hutan <i>Assistant Conservator of Forest</i>	Unit Latihan Perhutanan, Kepong <i>Forestry Training Unit, Kepong</i>
Mohd Nasir bin Muhammad	Pen. Pemelihara Hutan <i>Assistant Conservator of Forest</i>	Unit Latihan Perhutanan, Kepong <i>Forestry Training Unit, Kepong</i>
Zainal Abidin bin Atan	Pen. Pemelihara Hutan <i>Assistant Conservator of Forest</i>	Unit Latihan Perhutanan, Kepong <i>Forestry Training Unit, Kepong</i>
Mohd Rubaai bin Sarpin	Pen. Pemelihara Hutan <i>Assistant Conservator of Forest</i>	Unit Latihan Perhutanan, Kepong <i>Forestry Training Unit, Kepong</i>
Ramley @ Ramly bin Ali	Pen. Pemelihara Hutan <i>Assistant Conservator of Forest</i>	Jabatan Perhutanan Negeri Kedah <i>Kedah State Forestry Department</i>
Rosmawati binti Ismail	Pen. Pemelihara Hutan <i>Assistant Conservator of Forest</i>	Ladang Hutan Negeri Sembilan <i>Negeri Sembilan Forest Plantation</i>
Jalil bin Ahmad Tabon	Pen. Pemelihara Hutan <i>Assistant Conservator of Forest</i>	Ladang Hutan Ulu Sedili <i>Ulu Sedili Forest Plantation</i>
Michael bin Maijohn	Pen. Pemelihara Hutan <i>Assistant Conservator of Forest</i>	Ladang Hutan Kemasul <i>Kemasul Forest Plantation</i>

Unit Pengurusan Hutan / *Forest Management Unit*

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Nik Mohd Shah bin Nik Mustafa	Pengarah Pengurusan Hutan <i>Director of Forest Management</i>	Unit Pengurusan Hutan <i>Forest Management Unit</i>
Kosong	Timbalan Pengarah (Pengurusan Sumber Hutan) <i>Deputy Director</i> (<i>Forest Resource Management</i>)	
Kosong	Timbalan Pengarah (Inventori Hutan) <i>Deputy Director (Forest Inventory)</i>	
Kosong	Timbalan Pengarah (Perancangan Sumber Hutan) <i>Deputy Director</i> (<i>Forest Resource Planning</i>)	
Shahrulnizam bin Kasmani	Pen. Pengarah (Perancangan Sumber Hutan) <i>Assistant Director</i> (<i>Forest Resource Planning</i>)	
Dr. Mohd Hizamri bin Mohd Yasin	Pen. Pengarah (Pengurusan Sumber Hutan) <i>Assistant Director</i> (<i>Forest Resource Management</i>)	
Rosaizan Haryani binti Rosli	Pen. Pengarah (Inventori Hutan) <i>Assistant Director (Forest Inventory)</i>	
Azmi bin Abdul Rahman	Pen. Pegawai (Pengurusan Sumber Hutan) <i>Assistant Officer</i> (<i>Forest Resource Management</i>)	
Erik Lim Chong Ping	Pen. Pegawai (Pemantauan Sumber Hutan) <i>Assistant Officer</i> (<i>Forest Resource Monitoring</i>)	
Mohd Sufian bin Anuar	Pen. Pegawai (Pengurusan Data Hutan) <i>Assistant Officer</i> (<i>Forest Data Management</i>)	
Md Nurrahiem bin Mohd Ali	Pen. Pegawai (Penilaian Sumber Hutan) <i>Assistant Officer</i> (<i>Forest Resource Assesment</i>)	
Shohaimi bin Md Sani	Pen. Pegawai (Penilaian Sumber Hutan) <i>Assistant Officer</i> (<i>Forest Resource Assesment</i>)	
Donald Gabriel Guakin	Pen. Pegawai (Pengurusan Data Hutan) <i>Assistant Officer</i> (<i>Forest Data Management</i>)	
Gerald Trabucon	Pen. Pegawai (Penyelenggaraan & Dokumentasi) <i>Assistant Officer</i> (<i>Maintainance & Documentation</i>)	
Noorazilawati binti Mostapa	Pen. Pemelihara Hutan <i>Assistant Conservator of Forest</i>	Unit Teknologi Maklumat <i>Information Technology Unit</i>

Unit Perancangan Hutan / *Forest Planning Unit*

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Chin Yue Mun	Pengarah Perancangan Hutan <i>Director of Forest Planning</i>	Unit Perancangan Hutan <i>Forest Planning Unit</i>
Kosong	Timbalan Pengarah (Perancangan Projek) <i>Deputy Director (Project Planning)</i>	
Kosong	Timbalan Pengarah (Perancangan Strategik) <i>Deputy Director (Strategic Planning)</i>	
Ku Azmi bin Ku Aman	Timbalan Pengarah (Perancangan Sumber Manusia) <i>Deputy Director (Human Resource Planning)</i>	
Lim Kee Leng	Pegawai Perancangan Wilayah <i>Regional Planning Officer</i>	
Aldrich Richard	Pegawai Perancangan Hutan (Penilaian & Pengawasan) <i>Forest Planning Officer (Evaluation & Control)</i>	
Mohd Puat bin Dahalan	Pegawai Perancangan Projek <i>Project Planning Officer</i>	
Kholizan binti Jamaludin	Pen. Pegawai Perancang Hutan (Projek I) <i>Assistant Forest Planning Officer (Project I)</i>	
Hamzan bin Mat Husin	Pen. Pegawai Perancang Hutan (Projek II) <i>Assistant Forest Planning Officer (Project II)</i>	
Kosong	Pen. Pegawai Perancang Hutan (Projek III) <i>Assistant Forest Planning Officer (Project III)</i>	
Asmadi bin Mohd	Pen. Pegawai Perancang Hutan (Wilayah I) <i>Assistant Forest Planning Officer (Region I)</i>	
Tharmizie bin Sagiran	Pen. Pegawai Perancang Hutan (Wilayah II) <i>Assistant Forest Planning Officer (Region II)</i>	
Shaharom Najim bin Ishak	Pen. Pegawai Perancang Hutan (Penilaian & Pengawasan I) <i>Assistant Forest Planning Officer (Evaluation & Control I)</i>	
Suhaimie bin Ibrahim	Pen. Pegawai Perancang Hutan (Penilaian & Pengawasan II) <i>Assistant Forest Planning Officer (Evaluation & Control II)</i>	

Unit Ekonomi Hutan / *Forest Economics Unit*

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Kosong	Pengarah Ekonomi Hutan <i>Director of Forest Economics</i>	Unit Ekonomi Hutan <i>Forest Economics Unit</i>
Saharuddin bin Ahmad	Pegawai Ehwal Ekonomi (Hutan Asli) <i>Economist (Natural Forest)</i>	
Poh Lye Yong	Pegawai Ehwal Ekonomi (Analisis Makro & Mikro) <i>Economist (Macro & Micro Analysis)</i>	
Tuan Marina Tuan Ibrahim	Pegawai Ehwal Ekonomi (Analisis Hutan Bukan Kayu) <i>Economist (Analysis of Non-Wood Forest)</i>	
Zulnaidah binti Manan	Pegawai Ehwal Ekonomi (Penilaian Hutan) <i>Economist (Forest Valuation)</i>	
Komathi a/p Subramaniam	Perangkawan (Bancian & Perangkaan) <i>Statistician (Census & Statistics)</i>	
Mohd Thajirine bin Sukri	Pen. Pegawai Ehwal Ekonomi (Analisis Makro & Mikro) <i>Assistant Economist (Macro & Micro Analysis)</i>	
Amir Hafidz bin Mohd Taha	Pen. Pegawai Ehwal Ekonomi <i>Assistant Economist</i>	
Teddy Sius @ Lawrencius	Pen. Pegawai Ehwal Ekonomi (Hutan Asli) <i>Assistant Economist (Natural Forest)</i>	
Kosong	Pen. Pegawai Ehwal Ekonomi (Analisis Hutan Bukan Kayu) <i>Assistant Economist (Analysis of Non-Wood Forest)</i>	

Unit Teknologi Maklumat / *Information Technology Unit*

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Khairuddin bin Mohamad Mor	Pengarah Teknologi Maklumat <i>Director of Information Technology</i>	Unit Teknologi Maklumat <i>Information Technology Unit</i>
Seksyen MIS / <i>MIS Section</i>		
Ihsan bin Hassan Basri	Pegawai Sistem Maklumat <i>System Analyst</i>	
Aiesa bin Saad	Pegawai Sistem Maklumat <i>System Analyst</i>	

Abdul Hafidz bin Malek Fauzi	Pen. Pegawai Sistem Maklumat <i>Assistant Information System Officer</i>	
Ibrahim bin Kayat	Pen. Pegawai Sistem Maklumat <i>Assistant Information System Officer</i>	
Nor Nazeta binti Omar	Pen. Pegawai Sistem Maklumat <i>Assistant Information System Officer</i>	
Noriswani binti Za'aldin	Pen. Pegawai Sistem Maklumat <i>Assistant Information System Officer</i>	

Seksyen GIS / *GIS Section*

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Saleh bin Awaluddin	Ketua Seksyen GIS <i>Head of GIS Section</i>	Unit Teknologi Maklumat <i>Information Technology Unit</i>
Kosong	Pegawai GIS <i>GIS Officer</i>	
Noorazilawati binti Mostapa	Pen. Pegawai Pemetaan <i>Assistant Mapping Officer</i>	

Jabatan Perhutanan Negeri Johor / *Johore State Forestry Department*

Nama Pegawai / <i>Officers' Name</i>	Gelaran Jawatan / <i>Post</i>	Stesyen / <i>Station</i>
Dr. Abdul Rahman bin Abdul Rahim	Pengarah Perhutanan Negeri <i>State Director of Forestry</i>	Jabatan Perhutanan Negeri Johor <i>Johore State Forestry Department</i>
Yahaya bin Mahmood	Timbalan Pengarah (Pembangunan) <i>Deputy Director (Development)</i>	
Mohd Fauzi bin Abu Bakar	Pen. Pengarah (Silvikultur & Perlindungan) <i>Assistant Director (Silviculture & Protection)</i>	
Redzuwan bin Endot	Pen. Pengarah (Perancangan & Pengurusan) <i>Assistant Director (Planning & Management)</i>	
Khairun Nizam bin Abdul Rahim	Pen. Pengarah (Operasi & Penguatkuasaan) <i>Assistant Director (Operation & Enforcement)</i>	
Kosong	Pen. Pengarah (Hutan Lipur) <i>Assistant Director (Recreational Forest)</i>	

Ramli bin Mat	Pen. Pengarah (Perindustrian & Pengusahaan) <i>Assistant Director (Industries & Harvesting)</i>	
Mohd Zohdi bin Shihabudin	Pen. Pemelihara Hutan (Operasi & Penguatkuasaan) <i>Assistant Conservator of Forest (Operation & Enforcement)</i>	
Abdul Nasir bin Ismail	Pen. Pemelihara Hutan (Silvikultur & Perlindungan) <i>Assistant Conservator of Forest (Silviculture & Protection)</i>	
Mariatul Qiptiyah binti Md Sah	Pen. Pemelihara Hutan (Perancangan & Pengurusan) <i>Assistant Conservator of Forest (Planning & Management)</i>	
Hasnudin bin Mat Ali	Pen. Pemelihara Hutan (Hutan Lipur) <i>Assistant Conservator of Forest (Recreational Forest)</i>	
Che Ros bin Abu	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Johor Selatan, Johor Baharu <i>Southern Johore District Forest Office, Johore Baharu</i>
Ahmad Hamka bin Mat Yasin	Pen. Pemelihara Hutan <i>Assistant Conservator of Forest</i>	
Kosong	Pen. Pemelihara Hutan <i>Assistant Conservator of Forest</i>	
Azhar bin Ahmad	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Johor Tengah, Keluang <i>Central Johore District Forest Office, Keluang</i>
Mohd Nashir Sabri bin Ibrahim	Pen. Pemelihara Hutan <i>Assistant Conservator of Forest</i>	
Azmer bin Muhamad	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Johor Utara <i>Northern Johore District Forest Office, Segamat</i>
Zainal Abidin bin Nor	Pen. Pemelihara Hutan <i>Assistant Conservator of Forest</i>	
Kadri bin Shaari	Pen. Pemelihara Hutan <i>Assistant Conservator of Forest</i>	Pejabat Hutan Daerah Johor Utara (ITTO), Segamat <i>Northern Johore District Forest Office (ITTO), Segamat</i>



Zubait bin Said	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Johor Timur, Mersing <i>Eastern Johore District Forest Office, Mersing</i>
Kosong	Pen. Pemelihara Hutan <i>Assistant Conservator of Forest</i>	
Wan Mohd Yassin bin Wan Wahab	Pen. Pemelihara Hutan <i>Assistant Conservator of Forest</i>	

Jabatan Perhutanan Negeri Kedah / *Kedah State Forestry Department*

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Kasim bin Osman	Pengarah Perhutanan Negeri <i>State Director of Forestry</i>	Jabatan Perhutanan Negeri Kedah <i>Kedah State Forestry Department</i>
Yusoff bin Muda	Pen. Pengarah (Perindustrian & Pengusahaan) <i>Assistant Director (Industries & Harvesting)</i>	
Mohd Nizum bin Mohd Nor	Pen. Pengarah (Perancangan & Pemeliharaan) <i>Assistant Director (Planning & Rehabilitation)</i>	
Nor Azirim bin Ahmad	Pen. Pengarah (Operasi & Penguatkuasaan) <i>Assistant Director (Operation & Enforcement)</i>	
Amsari bin Mahmud	Pen. Pengarah (Silvikultur & Perlindungan Hutan) <i>Assistant Director (Silviculture & Forest Protection)</i>	
Radhuan bin Ramli	Pen. Pengarah (Perancangan & Pengurusan) <i>Assistant Director (Planning & Management)</i>	
Mohd Rahim bin Ramli	Pen. Pengarah (Hutan Lipur) <i>Assistant Director (Recreational Forest)</i>	
Kosong	Pen. Pemelihara Hutan (Perancangan & Pengurusan) <i>Assistant Conservator of Forest (Planning & Management)</i>	
Muhammad Sofee bin Muhammad	Pen. Pemelihara Hutan (Perindustrian & Pengusahaan) <i>Assistant Conservator of Forest (Industries & Harvesting)</i>	

Mohd Jamaluddin bin Marzuki	Pen. Pemelihara Hutan (Silvikultur & Perlindungan Hutan) <i>Assistant Conservator of Forest (Silviculture & Forest Protection)</i>	
Mohd Shohaimi bin Mohd Kurdi	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Kedah Selatan, Kulim <i>Southern Kedah District Forest Office, Kulim</i>
Sabariah binti Ahmad	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Kedah Tengah, Sungai Petani <i>Central Kedah District Forest Office, Sungai Petani</i>
Saiful Azmi bin A'azid	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Mohd Rashid bin Ismail	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah, Kedah Utara, Jitra <i>Northern Kedah District Forest Office, Jitra</i>
Mohd Khalpiah bin Sulong	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	Pejabat Hutan Daerah Kedah Utara (ditempatkan di Langkawi) <i>Northern Kedah District Forest Office Jitra (stationed at Langkawi)</i>

Jabatan Perhutanan Negeri Kelantan / *Kelantan State Forestry Department*

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Wan Yusoff bin Wan Ahmad	Pengarah Perhutanan Negeri <i>State Director of Forestry</i>	Jabatan Perhutanan Negeri Kelantan <i>Kelantan State Forestry Department</i>
Azmi bin Nordin	Timbalan Pengarah (Operasi & Penguatkuasaan) <i>Deputy Director (Operation & Enforcement)</i>	
Sulaiman bin Salleh	Timbalan Pengarah (Pembangunan Hutan) <i>Deputy Director (Forest Development)</i>	
Mohd Rahim bin Rani	Pen. Pengarah (Silvikultur & Perlindungan Hutan) <i>Assistant Director (Silviculture & Forest Protection)</i>	
Abdul Khalim bin Abu Samah	Pen. Pengarah (Perancangan & Pengurusan) <i>Assistant Director (Planning & Management)</i>	

Ahmad Fiesal Syahrudin bin Baharuddin	Pen. Pengarah (Perindustrian & Pengusahaan) <i>Assistant Director (Industries and Harvesting)</i>	
Abdul Wahab bin Deraman	Pen. Pengarah (Operasi & Penguatkuasaan) <i>Assistant Director (Operation & Enforcement)</i>	
Irman bin Suid	Pen. Pemelihara Hutan (Operasi & Penguatkuasaan I) <i>Assistant Conservator of Forest (Operation & Enforcement I)</i>	
Muhamad Sayuti bin Yusof	Pen. Pemelihara Hutan (Operasi & Penguatkuasaan II) <i>Assistant Conservator of Forest (Operation & Enforcement II)</i>	
Mohd Fadzli bin Yusuf	Pen. Pemelihara Hutan (Silvikultur & Perlindungan I) <i>Assistant Conservator of Forest (Silviculture & Forest Protection I)</i>	
Sazali bin Hasan	Pen. Pemelihara Hutan (Silvikultur & Perlindungan II) <i>Assistant Conservator of Forest (Silviculture & Forest Protection II)</i>	
Mohd Saman bin Mohd Senget	Pen. Pemelihara Hutan (Perancangan & Pengurusan I) <i>Assistant Conservator of Forest (Planning & Management I)</i>	
Mohamad bin Mat Jusoh	Pen. Pemelihara Hutan (Perancangan & Pengurusan II) <i>Assistant Conservator of Forest (Planning & Management II)</i>	
Ramli bin Minsawi	Pegawai Hutan Jajahan <i>District Forest Officer</i>	Pejabat Hutan Jajahan Kelantan Timur, Machang <i>Eastern Kelantan District Forest Office, Machang</i>
Ismail bin Ahmad	Pen. Pegawai Hutan Jajahan <i>Assistant District Forest Officer</i>	
Jamaliah binti Basir	Pegawai Hutan Jajahan <i>District Forest Officer</i>	Pejabat Hutan Jajahan Kelantan Selatan, Gua Musang <i>Southern Kelantan District Forest Office, Gua Musang</i>
Solehan bin Saorani	Pen. Pegawai Hutan Jajahan <i>Assistant District Forest Officer</i>	
Mazlan bin Ali	Pen. Pegawai Hutan Jajahan <i>Assistant District Forest Officer</i>	

Yusup bin Abd. Rahman	Pegawai Hutan Jajahan <i>District Forest Officer</i>	Pejabat Hutan Jajahan Kelantan Barat, Tanah Merah <i>Western Kelantan District Forest Office, Tanah Merah</i>
Mohamad bin Nor	Pen. Pegawai Hutan Jajahan <i>Assistant District Forest Officer</i>	

Jabatan Perhutanan Negeri Sembilan / Melaka
Negeri Sembilan / Melaka State Forestry Department

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Ahmad Zainal bin Mat Isa	Pengarah Perhutanan Negeri <i>State Director of Forestry</i>	Jabatan Perhutanan N. Sembilan / Melaka <i>N. Sembilan / Melaka State Forestry Department</i>
Shuhaimi bin Mohd Yusof	Pen. Pengarah (Silvikultur & Perlindungan) <i>Assistant Director (Silviculture & Protection)</i>	
Roslan bin Rani	Pen. Pengarah (Perancangan & Pengurusan) <i>Assistant Director (Planning & Management)</i>	
Kosong	Pen. Pengarah (Operasi dan Penguatkuasaan) <i>Assistant Director (Operation & Enforcement)</i>	
Mohd Basri bin Abdul Manaf	Pen. Pengarah (Perindustrian & Pengusahasilan) <i>Assistant Director (Industries & Harvesting)</i>	
Zulkurnain bin Zakaria	Pen. Pemelihara Hutan (Silvikultur & Perlindungan) <i>Assistant Conservator of Forest (Silviculture & Protection)</i>	
Abdul Hadi bin Hussin	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah, Negeri Sembilan Timur, Kuala Pilah <i>Eastern Negeri Sembilan District Forest Office, Kuala Pilah</i>
Ismail bin Zakaria	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Hamidi bin Abdul Halim	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Negeri Sembilan, Barat, Seremban <i>Western Negeri Sembilan District Forest Office Seremban</i>

Kosong	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Khairuddin bin Perdan	Pegawai Hutan Melaka <i>Forestry Officer Melaka</i>	Pejabat Hutan Melaka, Jasin <i>Melaka Forest Office, Jasin</i>

Jabatan Perhutanan Negeri Pahang / *Pahang State Forestry Department*

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Dato' Che Hashim bin Hasan	Pengarah Perhutanan Negeri <i>State Director of Forestry</i>	Jabatan Perhutanan Negeri Pahang <i>Pahang State Forestry Department</i>
Mohd Paiz bin Kamaruzaman	Timbalan Pengarah (Operasi) <i>Deputy Director (Operation)</i>	
Jalil bin Md Som	Timbalan Pengarah (Pembangunan I) <i>Deputy Director (Development I)</i>	
Khairi bin Mohd Nasib	Timbalan Pengarah (Pembangunan II) <i>Deputy Director (Development II)</i>	
Azni Rahman bin A. Wahid	Pen. Pengarah (Tugas-Tugas Khas) <i>Assistant Director (Special Functions)</i>	
Kosong	Pen. Pengarah (Penguatkuasa- Pahang Barat) <i>Assistant Director (Enforcement- Western Pahang)</i>	
Zulkifli bin Mukni	Pen. Pemelihara Hutan (Penguatkuasaan Pahang Barat) <i>Assistant Conservator of Forest (Enforcement- Western Pahang)</i>	
Ridzuan bin Salleh	Pen. Pengarah (Penguatkuasaan Pahang Timur) <i>Assistant Director (Enforcement- Eastern Pahang)</i>	
Nik Mohd Najib bin Nik Jaafar	Pen. Pemelihara Hutan (Penguatkuasa- Pahang Timur) <i>Assistant Conservator of Forest (Enforcement- Eastern Pahang)</i>	
Abdul Ramlizauyahudin bin Mahli	Pen. Pengarah (Silvikultur-Pahang Barat) <i>Assistant Director (Silvikultur- Western Pahang)</i>	
Abdul Rahman bin Abdul Jalil	Pen. Pengarah (Silvikultur I - Pahang Timur) <i>Assistant Director (Silviculture I-Eastern Pahang)</i>	
Grippen anak Akeng	Pen. Pengarah (Silvikultur II - Pahang Timur) <i>Assistant Director (Silviculture II-Eastern Pahang)</i>	

Norlaila binti Mohd Subari	Pen. Pemelihara Hutan (Silvikultur & Perlindungan) <i>Assistant Conservator of Forest (Silviculture & Protection)</i>	
Mohd Syahrir Azrin bin Salleh	Pen. Pengarah (Ladang Hutan) <i>Assistant Director (Forest Plantation)</i>	
Kosong	Pen. Pemelihara Hutan <i>Assistant Conservator of Forest</i>	
Helmi Tariq bin Othman	Pen. Pengarah (Maklumat) <i>Assistant Director (Information)</i>	
Mohd Zin bin Yusop	Pen. Pengarah(Perancangan) <i>Assistant Director (Planning)</i>	
Che Rosmi bin Che Ali	Pen. Pemelihara Hutan(Perancangan) <i>Assistant Conservator of Forest (Planning)</i>	
Harry Yong	Pen. Pengarah (Pengurusan) <i>Assistant Director (Management)</i>	
Kosong	Pengetua/ Principle	Pusat Latihan Pembalakan Hutan <i>Forestry Logging Training Centre</i>
Muhamat Azman bin Yahya	Pen. Pemelihara Hutan (Pengurusan) <i>Assistant Conservator of Forest (Management)</i>	
Yusuf bin Yahaya	Pen. Pengarah (Hutan Lipur) <i>Assistant Director (Recreational Forest)</i>	
Ahmad Bahtiar bin Bakeri	Pen. Pengarah (Industri & Pengusahaan) <i>Assistant Director (Industries & Harvesting)</i>	
Razali bin Abdul Rahman	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Temerloh/Bera, Temerloh <i>Temerloh/Bera District Forest Office, Temerloh</i>
Mohd Fouzi bin Abd Hamid	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Samsuddin bin Hassan @ Sulaiman	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Ismail bin Talib	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Kuantan/Pekan/ Maran, Kuantan <i>Kuantan/Pekan/ Maran District Forest Office, Kuantan</i>



Mohamad Roslan bin Abdul Rahman	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Abdul Rahim bin Ismail	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Nor Zaidi bin Jusoh	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Rompin <i>Rompin District Forest Office</i>
Kosong	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Shairani bin Mamat	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Badrol Hisam bin Abdul Rahman	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Bentong, Bentong <i>Bentong District Forest Office, Bentong</i>
Kosong	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Hasbullah bin Mat	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Lipis, Kuala Lipis <i>Lipis District Forest Office, Kuala Lipis</i>
Azhar bin Ahmad	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Hairuddin bin Aris	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Mohd Ali bin Haji Hawari	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Jerantut <i>Jerantut District Forest Office</i>
Samsudin bin Abas	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Muhammad Nurozi bin Mohd Yusoff	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Othman bin Deris	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Raub/Cameron Highlands <i>Raub/Cameron Highlands District Forest Office</i>
Yusof bin Shafie	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	

Jabatan Perhutanan Negeri Perak / *Perak State Forestry Department*

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Masran bin Md Salleh	Pengarah Perhutanan Negeri <i>State Director of Forestry</i>	Jabatan Perhutanan Negeri Perak <i>Perak State Forestry Department</i>
Yap Yee Hwai	Timbalan Pengarah (Pembangunan) <i>Deputy Director (Development)</i>	
Kosong	Timbalan Pengarah (Operasi) <i>Deputy Director (Operation)</i>	
Ahmad Fadzil bin Abdul Majid	Pen. Pengarah (Silvikultur & Perlindungan) <i>Assistant Director (Silviculture & Protection)</i>	
Kosong	Pen. Pengarah (Operasi & Penguatkuasaan) <i>Assistant Director (Operation & Enforcement)</i>	
Kamal bin Saad	Pen. Pengarah (Pengurusan Hutan) <i>Assistant Director (Forest Management)</i>	
Abdullah bin Mohamad	Pen. Pengarah (Ladang Hutan) <i>Assistant Director (Forest Plantation)</i>	
Rosilan bin Said	Pen. Pengarah (Hutan Bukan Kayu) <i>Assistant Director (Non-Wood Forest)</i>	
Khalijah bt. Abdul Hamid	Pen. Pengarah (Hutan Lipur) <i>Assistant Director (Recreational Forest)</i>	
Md. Zaidey bin Abd Kadir	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Kinta Manjong, Batu Gajah <i>Kinta Manjong Forest District Office, Batu Gajah</i>
Haridyn bin Hanti	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Salim bin Aman	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Larut & Matang, Taiping <i>Larut & Matang District Forest Office, Taiping</i>
Mohd Fauzi bin Awang Mat	Pen. Pegawai Hutan Daerah (Hutan Bukit) <i>Assistant District Forest Officer (Hill Forest)</i>	
Mohd Suhaimi bin Mohd Noor	Pen. Pegawai Hutan Daerah (Hutan Paya Laut) <i>Assistant District Forest Officer (Mangrove Forest)</i>	



Salim bin Ali	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Kuala Kangsar, Kuala Kangsar <i>Kuala Kangsar District Forest Office, Kuala Kangsar</i>
Che Din bin Daud	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Kosong	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Perak Selatan, Tapah <i>Southern Perak District Forest Office, Tapah</i>
Zulfakar bin Ali	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Amir Sharifuddin bin Aliman	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Ulu Perak, Grik <i>Ulu Perak District Forest Office, Grik</i>
Azid bin Adam	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Kosong	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	Pejabat Hutan Daerah Ulu Perak, Lenggong <i>Ulu Perak District Forest Office, Lenggong</i>

Jabatan Perhutanan Negeri Perlis / *Perlis State Forestry Department*

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Roslan bin Ariffin	Pengarah Perhutanan Negeri <i>State Director of Forestry</i>	Jabatan Perhutanan Negeri Perlis <i>Perlis State Forestry Department</i>
Che Aziz bin Ali	Pen. Pengarah Perhutanan <i>Assistant Director of Forestry</i>	
Ismail Ali bin Kamarudeen	Pen. Pemelihara Hutan <i>Assistant Conservator of Forest</i>	

Jabatan Perhutanan Negeri Pulau Pinang / *Penang State Forestry Department*

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Samsudin bin Salleh	Pengarah Perhutanan Negeri <i>State Director of Forestry</i>	Jabatan Perhutanan Negeri Pulau Pinang <i>Penang State Forestry Department</i>
Foong Lai Hoy	Pen. Pengarah <i>Assistant Director</i>	
Wan Yusof bin Wan Karim	Pen. Pengarah <i>Assistant Director</i>	
Ramlee bin Ahmad	Pen. Pengarah <i>Assistant Director</i>	

Jabatan Perhutanan Negeri Selangor / *Selangor State Forestry Department*

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Nor Akhiruddin bin Mahmud	Pengarah Perhutanan Negeri <i>State Director of Forestry</i>	Jabatan Perhutanan Negeri Selangor <i>Selangor State Forestry Department</i>
Samsu Anuar bin Nawi	Pen. Pengarah (Silvikultur & Perlindungan) <i>Assistant Director (Silviculture & Protection)</i>	
Hamdan bin Napiah	Pen. Pengarah (Pengurusan Hutan) <i>Assistant Director (Forest Management)</i>	
Shah Rani bin Ahmad Zailan	Pen. Pengarah (Operasi & Penguatkuasaan) <i>Assistant Director (Operation & Enforcement)</i>	
Muhammad bin Abdullah	Pen. Pengarah (Perindustrian & Pengusahaan) <i>Assistant Director (Industries & Harvesting)</i>	
Siti Dessyma binti Isnani	Pen. Pengarah (Hutan Lipur) <i>Assistant Director (Recreational Forest)</i>	
Zainal Abidin bin Atan	Pen. Pemelihara Hutan (Silvikultur & Perlindungan) <i>Assistant Conservator of Forest (Silviculture & Protection)</i>	
Kosong	Pegawai Latihan & Penyertaan Bumiputra <i>Training & Bumiputra Participation Officer</i>	
Zakariah bin Abu Hussein	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Pantai Kelang, Kelang <i>Pantai Kelang District Forest Office, Kelang</i>
Nape bin Yusoff	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Muhammad bin Murad	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Selangor Tengah, Cheras <i>Central Selangor District Forest Office, Cheras</i>
Zamani bin Yunus	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Kosong	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Hulu Selangor, Rawang <i>Hulu Selangor District Forest Office, Rawang</i>
Mangsor bin Yusoff	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	

Jabatan Perhutanan Negeri Terengganu / *Terengganu State Forestry Department*

NAMA PEGAWAI / <i>Officers' Name</i>	GELARAN JAWATAN / <i>Post</i>	STESYEN / <i>Station</i>
Na'aman bin Jaafar	Pengarah Perhutanan Negeri <i>State Director of Forestry</i>	Jabatan Perhutanan Negeri Terengganu <i>Terengganu State Forestry Department</i>
Mohd Radhi Chu bin Abdullah	Pen. Pengarah (Silvikultur & Perlindungan) <i>Assistant Director (Silviculture & Protection)</i>	
Jeffri bin Abd. Rashid	Pen. Pengarah (Perancangan dan Pengurusan) <i>Assistant Director (Planning & Management)</i>	
Mohd Rizal bin Sabran	Pen. Pengarah (Perindustrian & Pengusahaan) <i>Assistant Director (Industries and Harvesting)</i>	
Jamal Shuhaily bin Shahr	Pen. Pengarah (Operasi & Penguatkuasaan) <i>Assistant Director (Operation & Enforcement)</i>	
Zailani bin Man	Pen. Pengarah (Hutan Lipur) <i>Assistant Director (Recreational Forest)</i>	
Mohd Faizul bin Ibrahim	Pen. Pemelihara Hutan (Silvikultur & Perlindungan) <i>Assistant Conservator of Forest (Silviculture & Protection)</i>	
Ahmad Nizam bin Muhammad	Pen. Pemelihara Hutan (Perancangan & Pengurusan) <i>Assistant Conservator of Forest (Planning & Management)</i>	
Kosong	Pen. Pemelihara Hutan (Hutan Lipur) <i>Assistant Conservator of Forest (Recreational Forest)</i>	
Paulson Wellie Simbaku @ Azry Abdullah	Pen. Pemelihara Hutan (Perindustrian & Pengusahaan) <i>Assistant Conservator of Forest (Industries and Harvesting)</i>	
Kosong	Pen. Pemelihara Hutan (Operasi & Penguatkuasaan I) <i>Assistant Conservator of Forest (Operation & Enforcement I)</i>	
Fadrillalinawati binti Muhamad	Pen. Pemelihara Hutan (Latihan) <i>Assistant Conservator of Forest (Training)</i>	

Mohamad bin Haji Ismail	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Terengganu Utara, Kuala Terengganu <i>Northern Terengganu District Forest Office, Kuala Terengganu</i>
Yusof bin Abd Rashid	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Zolkurnain bin Abdul Ghani	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	Pejabat Hutan Daerah Terengganu Utara, Besut <i>Northern Terengganu District Forest Office, Besut</i>
Roslee bin Jamaluddin	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Terengganu Selatan, Dungun <i>Southern Terengganu District Forest Office, Dungun</i>
Kosong	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Mohd Saidi bin Mohd Din	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	Pejabat Hutan Daerah Terengganu Selatan, Kemaman <i>Southern Terengganu District Forest Office, Kemaman</i>
Sheikh Abu Bakar bin Ahmad	Pegawai Hutan Daerah <i>District Forest Officer</i>	Pejabat Hutan Daerah Terengganu Barat, Kuala Berang <i>Western Terengganu District Forest Office, Kuala Berang</i>
Abd. Basir bin Hassan	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	
Nizamudin bin Zaini	Pen. Pegawai Hutan Daerah <i>Assistant District Forest Officer</i>	



LAMPIRAN / APPENDIX F :

NAMA, ALAMAT PEJABAT-PEJABAT PERHUTANAN DAN AGENSI-AGENCI PERHUTANAN
 NAME, ADDRESSES OF FORESTRY OFFICES AND AGENCIES

NAMA PEJABAT DAN ALAMAT/ <i>Name and Office Address</i>	NO. TEL. / <i>Tel. No.</i>	NO. FAKS. / <i>Fax. No.</i>
A. IBU PEJABAT PERHUTANAN FORESTRY HEADQUARTERS		
1. Ibu Pejabat Perhutanan Semenanjung Malaysia, Jalan Sultan Salahuddin, 50660 Kuala Lumpur.	03-26164488	03-26925657
2. Unit Latihan Perhutanan, Kepong, 52109 Kuala Lumpur	03-62766007 03-62778741	03-62731327
3. Pusat Latihan Perhutanan Peti Surat 4, 21700, Kuala Berang, Terengganu	09-6661792	09-6661795
B. PEJABAT-PEJABAT PERHUTANAN NEGERI & DAERAH STATE AND DISTRICT FOREST OFFICES		
JOHOR		
1. Jabatan Perhutanan Negeri Johor, Aras 2, Bangunan Sultan Ibrahim, Jalan Bukit Timbalan, 80000 Johor Bahru.	07-2243566	07-2243840
2. Pejabat Hutan Daerah, Johor Selatan, Aras 9, Bangunan Sultan Ibrahim, Jalan Bukit Timbalan, 80000 Johor Bahru.	07-2243048	07-2245725
3. Pejabat Hutan Daerah, Johor Tengah, 86000 Kluang.	07-7725944	07-7720844
4. Pejabat Hutan Daerah, Johor Timur, Kompleks Pejabat-Pejabat Kerajaan, Jalan Ibrahim, 86800 Mersing.	07-7991033	07-7995352
5. Pejabat Hutan Daerah, Johor Utara, 85000 Segamat.	07-9312141	07-9317518
KEDAH		
1. Jabatan Perhutanan Negeri Kedah, Tkt.8, Bangunan Sultan Abdul Halim, Jalan Sultan Badlishah, 05000 Alor Setar, Kedah.	04-7333844 04-7333901	04-7310610
2. Pejabat Hutan Daerah, Kedah Selatan, 09000 Kulim.	04-4903760	04-4951660

3.	Pejabat Hutan Daerah, Kedah Utara, 06000 Jitra.	04-9171601	
4.	Pejabat Hutan Daerah, Kedah Tengah, 08000 Sungai Petani.	04-4212835	04-4252835
KELANTAN			
1.	Jabatan Perhutanan Negeri Kelantan, Blok 5, Tingkat 1, Kota Darul Naim, 15503 Kota Bharu.	09-7482140 09-7481957	09-7445675
2.	Pejabat Hutan Jajahan, Kelantan Timur, 18500 Macang.	09-9751042	09-9756185
3.	Pejabat Hutan Jajahan, Kelantan Selatan, 18300 Gua Musang.	09-9121255	09-9121521
4.	Pejabat Hutan Jajahan, Kelantan Barat, 17500 Tanah Merah.	09-9556055	09-9552842
NEGERI SEMBILAN / MELAKA			
1.	Jabatan Perhutanan Negeri, Negeri Sembilan / Melaka, Tingkat 4, Blok C, Wisma Negeri, 70503 Seremban.	06-7659849	06-7623711
2.	Pejabat Hutan Daerah, Melaka, 75450 Ayer Keroh	06-2316095	06-2322867
3.	Pejabat Hutan Daerah, Negeri Sembilan Timur, 72009 Kuala Pilah.	06-4811036	06-4815511
4.	Pejabat Hutan Daerah, Negeri Sembilan Barat, Tingkat 2, Kompleks Persiaran Daerah Seremban, Persiaran 2, 70990 Seremban.	06-7625690	06-7623711
PAHANG			
1.	Jabatan Perhutanan Negeri, Pahang Darul Makmur, Tingkat 5, Kompleks Tun Razak, Bandar Indera Mahkota, 25990 Kuantan.	09-5732911 09-5732012 09-5732913 09-5732914	09-5733355
2.	Pejabat Hutan Daerah, Lipis, 27200 Kuala Lipis.	09-3121273	09-3123595



3.	Pejabat Hutan Daerah, Bentong, JKR 241, Jalan Bukit, 28700 Bentong.	09-2221039	09-2223809
4.	Pejabat Hutan Daerah, Kuantan, Jalan Masjid, 25000 Kuantan.	09-5524236	09-5526644
5.	Pejabat Hutan Daerah, Temerloh Dan Bera, 28000 Temerloh.	09-2962755	09-2962359
6.	Pejabat Hutan Daerah, Raub Dan Cameron Highlands, Rotan Tunggal, 27600 Raub.	09-3551060	
7.	Pejabat Hutan Daerah, Jerantut, Tingkat 1, Kompleks Pejabat Kerajaan, 27000 Jerantut.	09-2663525	09-2667324
8.	Pejabat Hutan Daerah, Rompin, 26800 Kuala Rompin.	09-4145204	09-4147768
9.	Pejabat Ladang Hutan, Kemasul Batu 5, 28700 Mentakab.	09-2771477	09-2782128
10.	Pejabat Hutan Daerah Kuantan, Pekan Maran, Bukit Sekilau, 25200 Kuantan.	09-5132915/ 5143455	09-5148640

PERAK			
1.	Jabatan Perhutanan Negeri Perak, Persiaran Meru Utama, Meru Raya, 30020 Ipoh, Perak.	05 5288100 05 5288071	05 5288101
2.	Pejabat Hutan Daerah, Kinta / Manjung, 31000 Batu Gajah.	05-3661228	05-3651679
3.	Pejabat Hutan Daerah, Larut dan Matang, 34000 Taiping.	05-8072762	05-8067743
4.	Pejabat Hutan Daerah, Kuala Kangsar, 33000 Kuala Kangsar.	05-7761089	05-7766722
5.	Pejabat Hutan Daerah, Perak Selatan, 35000 Tapah.	05-4011216	05-4015331
6.	Pejabat Hutan Daerah, Ulu Perak, 33300 Grik.	05-7912384	09-7912286

PERLIS		
1. Jabatan Perhutanan Negeri, Perlis, KM 2, Jalan Kaki Bukit, 01000 Kangar, Perlis.	04-9765966	04-9767901
PULAU PINANG		
1. Jabatan Perhutanan Negeri, Pulau Pinang, Tingkat 20, Menara KOMTAR, 10000 Pulau Pinang.	04-6505250	04-2636335
SELANGOR		
1. Jabatan Perhutanan Negeri, Selangor, Tingkat 3, Podium Utara, Bgn. Sultan Salahuddin Abdul Aziz Shah, 40660 Shah Alam.	03-55447498	03-55102358
2. Pejabat Hutan Daerah, Pantai Kelang, Tingkat 2, Bangunan Pejabat Daerah, 41000, Kelang.	03-33716326	03-33714496
3. Pejabat Hutan Daerah, Selangor Tengah, KM 11(Batu 7), Jalan Cheras, 43200 Cheras-Kajang.	03-90752885	03-90756022
4. Pejabat Hutan Daerah, Hulu Selangor, 48000 Rawang.	03-60916131	03-60917533
TERENGGANU		
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2. Pejabat Hutan Terengganu Utara, Batu 6, Tingkat 7, Wisma Negeri, 20200 Kuala Terengganu.	09-6221746	09-6236552
3. Pejabat Hutan Daerah, Terengganu Selatan, 23000 Dungun.	09- 8441404	09-8483199
4. Pejabat Hutan Daerah, Terengganu Barat, 21700 Kuala Berang.	09- 6811259	09-6812767

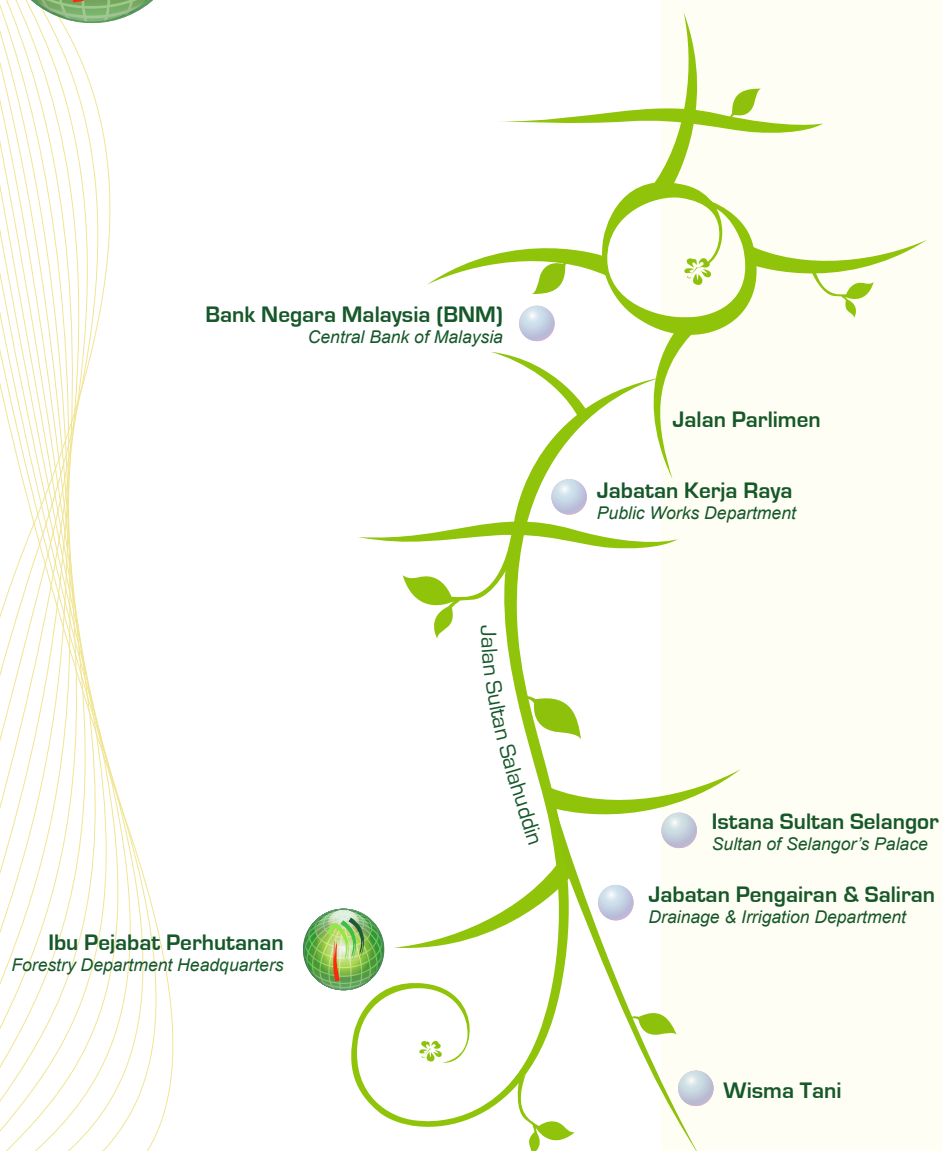


WILAYAH PERSEKUTUAN (KUALA LUMPUR)		
1. Jabatan Perhutanan, Wilayah Persekutuan, Jalan Bukit Nanas, 50250 Kuala Lumpur.	03-20706342	
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1. Jabatan Perhutanan Sabah, KM 10 Jalan Labuk, 90000 Sandakan, Sabah. www.forest.sabah.gov.my	089-660125 089-660824	089-669170
SARAWAK		
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2. Sarawak Timber Industry Development Corporation (STIDC), Bangunan Wisma Sumber Alam, Jalan Stadium, Petra Jaya, 93050 Kuching, Sarawak. www.sarawaktimber.org.my	082-443477	082-442691
3. Sarawak Forestry Corporation Sdn. Bhd., Level 12, Office Tower, Hock Lee Center, Jalan Datuk Abang Abdul Rahim, 93450 Kuching, Sarawak. www.sarawak.forestry.com	082-348001	082-488654
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1. Kementerian Sumber Asli dan Alam Sekitar, Malaysia [NRE], Wisma Sumber Asli, No. 25, Persiaran Perdana, Precint 4, 62574, Putrajaya. www.nre.gov.my	03-88861111	03-88889987
2. Jabatan Ketua Pengarah Tanah Dan Galian (JKPTG), Aras 4, Podium 1, No 25, Persiaran Perdana, Precint 4, 62574 Putrajaya. www.kptg.gov.my	03-88712814	03-88810796
3. Jabatan Ukur Dan Pemetaan Malaysia (JUPEM), Tingkat 1, Bangunan Ukur, Jalan Semarak, 50574 Kuala Lumpur. www.jupem.gov.my	03-26170800	03-26933618
4. Institut Tanah Dan Ukur Negara (INSTUN), Behrang Ulu, 35950 Behrang Stesyen, Perak Darul Ridzuan. www.instun.gov.my	05-4542825	05-4542837

5. Jabatan Alam Sekitar (JAS), Aras 1-4, Podium 2 & 3, Wisma Sumber Asli, Aras 4, Podium 1, No 25, Persiaran Perdana, Precint 4, Pusat Pentadbiran Kerajaan Persekutuan, 62574 Putrajaya. www.doe.gov.my	03-88712000/ 88712200	03-88891973/ 88891975
6. Jabatan Perlindungan Hidupan Liar dan Taman Negara, (PERHILITAN), KM10, Jalan Cheras, 56100 Kuala Lumpur. www.wildlife.gov.my	03-90752872	03-90752873
7. Jabatan Pengairan Dan Saliran Malaysia (JPS), Jalan Sultan Salahuddin, 50626 Kuala Lumpur. www.jps.gov.my	03-26972828	03-26987973
8. Jabatan Mineral dan Geosains (JMG), Tingkat 20, Bangunan Tabung Haji, Jalan Tun Razak, 50658 Kuala Lumpur. www.jmg.gov.my	03-21611033	0321611036
9. Institut Penyelidikan Perhutanan Malaysia (FRIM), 52109 Kepong, Selangor Darul Ehsan. www.frim.gov.my	03-62797000	03-62731314
10. Institut Penyelidikan Hidraulik Kebangsaan Malaysia, (NAHRIM), Lot 5537, Jalan Putra Permai, 43300 Sri Kembangan, Selangor Darul Ehsan. www.nahrim.gov.my	03-89483033	0389483044
11. Lembaga Perindustrian Kayu Malaysia (MTIB), Tingkat 13-17, Menara PGRM, No. 8, Jalan Pudu Ulu, Cheras, 50728 Kuala Lumpur. www.mtib.gov.my	03-92822235	03-92851477/ 1744
12. Majlis Kayu Kayan Malaysia (MTC), Tingkat 18, Menara PGRM, 56100 Kuala Lumpur. www.mtc.com.my	03-92811999	03-92818999
13. Majlis Pensijilan Kayu Kayan Malaysia (MTCC), 19F, Tingkat 19, Menara PGRM, No. 8, Jalan Pudu Ulu, Cheras, 56100 Kuala Lumpur. www.mtcc.com.my	03-92005008	03-92006008



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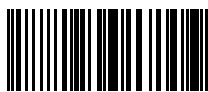
GLOSARI / Glossary

Singkatan / Abbreviations

APN	:	Akta Perhutanan Negara
NFA	:	<i>National Forestry Act</i>
CTT	:	Catuan Tebangan Tahunan
AAC	:	<i>Annual Allowable Cut</i>
DPN	:	Dasar Perhutanan Negara
NFP	:	<i>National Forestry Policy</i>
HSK	:	Hutan Simpanan Kekal
PRF	:	<i>Permanent Reserved Forest</i>
JPSM	:	Jabatan Perhutanan Semenanjung Malaysia
FDPM	:	<i>Forestry Department Peninsular Malaysia</i>
KKB	:	Kayu Keras Berat
HHW	:	<i>Heavy Hardwood</i>
KKR	:	Kayu Keras Ringan
LHW	:	<i>Light Hardwood</i>
KKS	:	Kayu Keras Sederhana
MHW	:	<i>Medium Hardwood</i>
KWPH	:	Kumpulan Wang Pembangunan Hutan
FDF	:	<i>Forest Development Fund</i>
LPKM	:	Lembaga Perindustrian Kayu Malaysia
MTIB	:	<i>Malaysia Timber Industry Board</i>
MPN	:	Majlis Perhutanan Negara
NFC	:	<i>National Forestry Council</i>
MTN	:	Majlis Tanah Negara
NLC	:	<i>National Land Council</i>
N.S	:	Negeri Sembilan
P.P	:	Pulau Pinang
TRG	:	Terengganu
W.P	:	Wilayah Persekutuan
W.P.K.L	:	Wilayah Persekutuan Kuala Lumpur

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