

# Buletin

# Maklumat Pertanian Malaysia

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## Fokus

### BRAIS : Brackishwater Aquaculture Information System

#### Latarbelakang

Brackishwater Aquaculture Information System (BRAIS) adalah satu sistem maklumat mengenai ternakan air payau. Ia ditubuhkan dalam tahun 1984 di Iloilo City, Filipina di bawah Jabatan Akuakultur (AQD), Southeast Asian Fisheries Development Centre (SEAFDEC) dengan bantuan kewangan dari International Development Research Centre, Kanada (IDRC).

BRAIS menjalankan aktiviti-aktiviti mengumpul dokumen yang terdiri dari hasil penyelidikan sesen-sesen AQD di dalam bidang ternakan ikan, krustacea, moluska, dan rumpai air yang mempunyai nilai komersial. Dengan terdapatnya latihan di peringkat antarabangsa yang dijalankan oleh SEAFDEC di AQD, pakar-pakar akuakultur dan teknologis ternakan air payau dari Tenggara Asia, Lautan Pasifik, Oceania, Timur Tengah, Asia Timur, Asia Selatan, Amerika Latin dan Afrika kerap kali dapat berhubung dengan BRAIS. Ini memudahkan lagi Pusat ini memperolehi pengetahuan secara langsung mengenai perkembangan dunia dan seterusnya memberi perkhidmatan kepada pengguna dari pelbagai peringkat : pembuat dasar, penyelidik, pegawai pembangunan, pegawai pengembangan, ahli-ahli akuakultur dan pelajar-pelajar di dalam bidang ternakan air payau.

#### Perkhidmatan

Melalui rangkaian yang sedang berkembang menerusi pusat-pusatnya yang senantiasa berkerjasama di antara satu sama lain, maklumat mengenai ternakan air payau dikumpul, disusun dan disebarkan secara meluas kepada pengguna baik secara individu maupun menerusi institusi. Dokumen-dokumen dikumpulkan oleh negara-negara peserta di pusatnya di Malaysia, Thailand, India, Indonesia dan Filipina. Setiap pusat tersebut memilih dan mendapatkan serta memberikan maklumat mengenai ternakan air payau, yang banyak terdapat di negara-negara peserta, melalui pusat-pusat BRAIS tempatan.

Dengan peralatan yang ada, bergantung kepada situasi di pusat tempatan, beberapa perkhidmatan diberi kepada pengguna. Di AQD, iaitu pusat pemrosesan BRAIS, di Iloilo City, Filipina, satu sistem penyimpanan dan mendapat kembali maklumat telah dibina menggunakan komputer yang moden. Perkhidmatan-perkhidmatan yang diberi oleh Pusat tersebut adalah

BMPM ialah sebuah buletin suku tahunan yang diterbitkan oleh Perpustakaan Universiti Pertanian Malaysia. Pandangan dan pendapat penyumbang tidak semestinya mencerminkan pandangan atau pendapat jemaah pengarang. Buletin ini diberi secara percuma atas permintaan. Sila alamatkan semua surat menyurat/pertanyaan kepada Ketua Pengarang, Buletin maklumat Pertanian Malaysia, Perpustakaan, Universiti Pertanian Malaysia, 43400 UPM Serdang, Selangor Darul Ehsan.

Penasihat: Syed Salim Agha; Ketua Pengarang: Mohd Ariff Arifin

Pengarang-pengarang: Hawa Abdul Majid; Asliah Abu

Penyunting: Jama'yah Zakaria

penyiasatan bibliografi berkomputer, penghantaran dokument di dalam bentuk mikrofilm atau salinan tetap (hard copy), dan penerbitan bibliografi-bibliografi spesies. Begitu juga dengan perkhidmatan soaljawab yang diberikan kepada penternak ikan dan ahli-ahli sains.

### Penerbitan

Antara penerbitan yang dikeluarkan oleh BRAIS adalah seperti berikut:

- a) Brackishwater Aquaculture Abstracts Terbitan yang mengandungi butir-butir bibliografi beranotasi mengenai dokumen yang terdapat di Perpustakaan AQD dan dikeluarkan secara dwibulanan. Setiap keluaran mengandungi lebih kurang seratus rujukan dengan disertakan indeks-indeks pengarang, judul, perkara, taksonomi dan geografi.

- b) Bibliografi Khas

Bibliografi-bibliografi spesies disusun berabjad mengikut pengarang dan diberi nombor urutan. Seperti biasa, terdapat butir-butir bibliografi juga diberikan. Indeks-indeks pengarang, judul, perkara dan geografi juga disertakan (Lampiran 1).

Berbagai ulasan "state-of-the-art" sedang diusahakan mengenai "signid", udang dan "sea bass". Buku panduan mengenai ahli-ahli sains ternakan air payau dan pertumbuhan-pertumbuhan sedang dirancang melalui soalselidik yang dikirimkan kepada pertumbuhan dan orang perseorangan yang terlibat dengan bidang ternakan air payau.

### Perhubungan

BRAIS mempunyai perhubungan dengan sistem-sistem serantau dan antarabangsa seperti Southeast Asian Fisheries Information System (SEAFIS) di Bangkok, Aquatic Sciences and Fisheries Information System FAO, Aquaculture Information System (AQUIS), FAO/UNDP Aquaculture Development and Coordination Programme, Agricultural Information Bank of Asia (AIBA) dan REMIN-RERIC, Sistem Maklumat Tanaman Bakau.

Di Malaysia, pengguna-pengguna boleh berhubung dengan koordinator MALAYBRAIS melalui alamat di bawah untuk mendapatkan maklumat lanjut:

Cik Nor Hadzirah Ramli  
Koordinator MALAYBRAIS  
d/a Institut Penyelidikan Perikanan  
Jabatan Perikanan  
Kementerian Pertanian  
11700 GELUGOR

#### Lampiran 1 : Bibliografi Khas

1. Bibliography on Sugpo and Other Penaeids
2. Mud Crab
3. Mussel
4. Sea Bass
5. Rabbitfish

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## PERKHIDMATAN HALAMAN KANDUNGAN (PHK)

Jurnal ialah sumber utama untuk mengikuti perkembangan terbaru dalam bidang anda. Sayangnya kos langganan jurnal saintifik/teknikal sangat tinggi dan kian bertambah setiap tahun. Perpustakaan Universiti Pertanian Malaysia menyediakan cara paling mudah untuk mengikuti perkembangan terbaru tersebut iaitu melalui **Perkhidmatan Halaman Kandungan**. Dengan bayaran \$15.00 setahun anda dapat mengikuti perkembangan yang diterbitkan dalam 10 jurnal pilihan. Untuk Keterangan lanjut, sila hubungi:

Bahagian Penerangan dan Perkhidmatan Lanjutan  
Perpustakaan  
Universiti Pertanian Malaysia  
43400 UPM Serdang  
Selangor Darul Ehsan

(Untuk Perhatian: Puan Hawa Abdul Majid)

Bibliografi ini mengandungi bahan-bahan terbitan mengenai pertanian Malaysia yang telah diindeks dari Mac 1987 - Mei 1987 oleh Pusat Kebangsaan AGRIS dengan kerjasama Perpustakaan Institut Penyelidikan Minyak Kelapa Sawit Malaysia, Perpustakaan Negara Malaysia dan Perpustakaan Institut Penyelidikan Getah Malaysia untuk keperluan AGRIS dan AGRISIA.

Format AGRIS telah digunakan untuk mengindeks dan penyusunan bibliografi ini dibuat mengikut Pengkelasan AGRIS seperti di bawah ini.

<b>Kod</b>	<b>Perkara</b>
<b>A</b>	<b>PERTANIAN AM (AGRICULTURE IN GENERAL)</b>
A01	- Pertanian-aspek am (Agriculture-General aspects)
A50	- Penyelidikan pertanian (Research)
<b>B</b>	<b>GEOGRAFI DAN SEJARAH (GEOGRAPHY AND HISTORY)</b>
B10	- Geografi (Geography)
B50	- Sejarah (History)
<b>C</b>	<b>PENDIDIKAN, PENGEMBANGAN DAN MAKLUMAT NASIHAT (EDUCATION, EXTENSION AND INFORMATION)</b>
C10	- Pendidikan (Education)
C20	- Pengembangan (Extension)
C30	- Dokumentasi dan maklumat (Documentation and information)
<b>D</b>	<b>PENTADBIRAN DAN PERUNDANGAN (ADMINISTRATION AND LEGISLATION)</b>
D10	- Pentadbiran awam (Public administration)
D50	- Perundangan (Legislation)
<b>E</b>	<b>EKONOMI, PEMBANGUNAN DAN SOSIOLOGI DESA (ECONOMICS, DEVELOPMENT AND RURAL SOCIOLOGY)</b>
E10	- Ekonomi dan polisi pertanian (Agricultural economics and policies)
E11	- Ekonomi dan polisi tanah (Land economics and policies)
E12	- Buruh dan pekerjaan (Labour and employ ment)
E13	- Pelaburan, kewangan dan kredit (Invest- ment, finance and credit)
E14	- Ekonomi dan polisi pembangunan (Development economics and policies)
E16	- Ekonomi pengeluaran (production economics)
E20	- Penyusunan, pentadbiran dan pengurusan perusahaan pertanian atau ladang (Organi- zation, administration and management of agricultural enterprises or farms)
E21	- Industri pertanian (Agro-industry)
E40	- Koperasi (Cooperatives)
E50	- Sosiologi desa (Rural sociology)
E51	- Penduduk desa (Rural population)
E70	- Niaga, pemasaran dan edaran (Trade, marketing and distribution)
E71	- Niaga antarabangsa (International trade)
E72	- Niaga dalam negeri (Domestic trade)
E73	- Ekonomi pengguna (Consumer economics)
E80	- Ekonomi rumahtangga, industri dan kraf (Home economics, industries and crafts)
<b>F</b>	<b>SAINS TUMBUHAN DAN PENGELUARAN (PLANT SCIENCE AND PRODUCTION)</b>
F01	- Perusahaan tanaman (Crop husbandry)
F02	- Pembiakan tumbuhan (Plant propagation)
F03	- Pengeluaran biji benih (Seed production)
F04	- Membaja (Fertilizing)
F06	- Pengairan (Irrigation)
F07	- Penyuburan tanah (Soil cultivation)
F08	- Corak dan sistem penanaman (Cropping patterns and systems)
F30	- Genetic dan pembiakbaikan tumbuhan (Plant genetics and breeding)
F40	- Ekologi tumbuhan (Plant ecology)
F50	- Struktur tumbuhan (Plant structure)
F60	- Fisiologi dan biokimia tumbuhan (Plant physiology and biochemistry)
F61	- Fisiologi tumbuhan - pemakanan (Plant physiology - Nutrition)
F62	- Fisiologi tumbuhan - Pertumbuhan dan perkembangan (Plant physiology - Growth and development)

<b>F63</b>	- Fisiologi tumbuhan - pengeluaran (Plant physiology - Reproduction)		production)
<b>F70</b>	- Taksonomi dan geografi tumbuhan (Plant taxonomy and geography)	<b>K11</b>	- Kejuruteraan hutan (Forest engineering)
<b>H</b>	<b>PERLINDUNGAN TUMBUHAN (PLANT PROTECTION)</b>	<b>K50</b>	- Pemprosesan hasil hutan (Processing of forest products)
<b>H01</b>	- Perlindungan tumbuhan - Aspek am (Protection of plants - general aspects)	<b>K70</b>	- Kerosakan dan perlindungan hutan (Forest injuries and protection)
<b>H10</b>	- Perosak tumbuhan (Pests of plants)	<b>L</b>	<b>SAINS PETERNAKAN, PENGELUARAN DAN PERLINDUNGAN</b>
<b>H20</b>	- Penyakit tumbuhan (Plant diseases)	<b>L01</b>	- Peternakan (Animal husbandry)
<b>H50</b>	- Pelbagai penyakit tumbuhan (Miscellaneous plant disorders)	<b>L02</b>	- Makanan ternakan (Animal feeding)
<b>H60</b>	- Rumpai dan pengawalan rumpai (Weeds and weed control)	<b>L10</b>	- Genetik dan pembiakbaikan ternakan (Animal genetics and breeding)
<b>J</b>	<b>TEKNOLOGI LEPAS TUAI (POSTHARVEST TECHNOLOGY)</b>	<b>L20</b>	- Ekologi haiwan (Animal ecology)
<b>J10</b>	- Pengawasan, pengangkutan, storan dan perlindungan, hasil pertanian (Handling, transport, storage and protection of agricultural products)	<b>L40</b>	- Struktur haiwan (Animal structure)
<b>J11</b>	- Pengawasan, pengangkutan, storan dan perlindungan hasil tumbuhan (Handling, transport, storage and protection of plant products)	<b>L50</b>	- Fisiologi dan biokimia haiwan (Animal physiology and biochemistry)
<b>J12</b>	- Pengawasan, pengangkutan, storan dan perlindungan hasil hutan (Handling, transport, storage and protection of forest products)	<b>L51</b>	- Fisiologi haiwan - pemakanan (animal physiology - Nutrition)
<b>J13</b>	- Pengawasan, pengangkutan, storan dan perlindungan hasil ternakan (Handling, transport, storage and protection of animal products)	<b>L52</b>	- Fisiologi haiwan - pertumbuhan dan perkembangan (Animal physiology - Growth and development)
<b>J14</b>	- Pengawasan, pengangkutan, storan dan perlindungan perikanan dan hasil akuakultur (Handling, transport, storage and protection of fisheries and aquacultural products)	<b>L53</b>	- Fisiologi haiwan - pengeluaran (Animal physiology - reproduction)
<b>J15</b>	- Pengawasan, pengangkutan, aturan dan perlindungan hasil pertanian yang bukan berbentuk makanan atau bahan makanan (Handling, transport, storage and protection of non-food or non-feed agricultural products)	<b>L60</b>	- Taksonomi dan geografi haiwan (Animal taxonomy and geography))
<b>K</b>	<b>PERHUTANAN (FORESTRY )</b>	<b>L70</b>	- Sains Veterinar dan Kesihatan (Veterinary science and hygiene)
<b>K01</b>	- Perhutanan -Aspek am (Forestry - general aspects)	<b>L72</b>	- Perosak haiwan (Pests of animals)
<b>K10</b>	- Pengeluaran perhutanan (Forestry	<b>L73</b>	- Penyakit-penyakit haiwan (Animal diseases)
		<b>L74</b>	- Pelbagai penyakit haiwan (Miscellaneous animal disorders)
		<b>M</b>	<b>PERIKANAN DAN AKUAKULTUR (FISHERIES AND AQUACULTURE)</b>
		<b>M01</b>	- Perikanan dan akuakultur - aspek am (Fisheries and aquaculture - general aspects)
		<b>M11</b>	- Pengeluaran perikanan (Fisheries production)
		<b>M12</b>	- Pengeluaran dan pengurusan akuakultur (Aquaculture production and management)
		<b>M40</b>	- Ekologi akuatik (Aquatic biology)

<b>N</b>	<b>JENTERA DAN KEJURUTERAAN PERTANIAN (AGRICULTURAL MACHINERY AND ENGINEERING)</b>	<b>Q02</b>	- Pemprosesan dan pengawetan makanan (Food processing and preservation)
<b>N01</b>	- Kejuruteraan pertanian (Agricultural engineering)	<b>Q03</b>	- Pencemaran dan toksikologi makanan (Food contamination and toxicology)
<b>N02</b>	- Pertapakan ladang (Farm layout)	<b>Q04</b>	- Kandungan makanan (Food composition)
<b>N20</b>	- Jentera dan peralatan pertanian (Agricultural machinery and equipment)	<b>Q05</b>	- Makanan penampung (Food additives)
<b>P</b>	<b>SUMBER ALAM DAN SEKITARAN (NATURAL RESOURCES AND ENVIRONMENT)</b>	<b>Q51</b>	- Teknologi makanan ternakan (Feed technology)
<b>P01</b>	- Pemuliharaan alam dan sumber tanah (Nature conservation and land resources)	<b>Q52</b>	- Pemprosesan dan pengawetan makanan ternakan (Feed processing and preservation)
<b>P05</b>	- Sumber tenaga dan pengurusan (Energy resources and management)	<b>Q53</b>	- Pencemaran dan toksikologi makanan ternakan (Feed contamination and toxicology)
<b>P06</b>	- Pembaharuan sumber tenaga (Renewable energy resources)	<b>Q54</b>	- Kandungan makanan ternakan (Feed composition)
<b>P07</b>	- Sumber tenaga yang bukan berbentuk pembaharuan (Non-renewable energy resources)	<b>Q55</b>	- Makanan penampung ternakan (Feed additives)
<b>P10</b>	- Sumber air dan pengurusan (Water resources and management)	<b>Q60</b>	- Pemprosesan hasil pertanian yang bukan makanan manusia dan bukan makanan ternakan (Processing of non-food or non-feed agricultural products)
<b>P11</b>	- Pengairan (Drainage)	<b>Q70</b>	- Pemprosesan sisa-sisa pertanian (Processing of agricultural wastes)
<b>P30</b>	- Sains tanah dan pengurusan (Soil science and management)	<b>Q80</b>	- Pembungkusan (Packaging)
<b>P31</b>	- Kajian dan pemetaan tanah (Soil surveys and mapping)	<b>S</b>	<b>PEMAKANAN MANUSIA (HUMAN NUTRITION)</b>
<b>P32</b>	- Kimia dan genesis tanah (Soil chemistry and genesis)	<b>S01</b>	- Pemakanan manusia - aspek am (Human nutrition- - general aspects)
<b>P33</b>	- Kimia dan fizik tanah (Soil chemistry and physics)	<b>S20</b>	- Fisiologi pemakanan manusia (Physiology of human nutrition)
<b>P34</b>	- Biologi Tanah (soil biology)	<b>S30</b>	- Sajian makanan dan penyakit-penyakitnya (Diet and diet-related diseases)
<b>P35</b>	- Kesuburan tanah (Soil fertility)	<b>S40</b>	- Program-program pemakanan (Nutrition programmes)
<b>P36</b>	- Hakisan, pemuliharaan dan penebusgunaan tanah (Soil erosion, conservation and reclamation)	<b>T</b>	<b>PENCEMARAN (POLLUTION)</b>
<b>P40</b>	- Meteorologi dan kaji iklim (Meteorology and climatology)	<b>T01</b>	- Pencemaran (Pollution)
<b>Q</b>	<b>PEMROSESAN HASIL PERTANIAN (PROCESSING OF AGRICULTURAL PRODUCTS)</b>	<b>U</b>	<b>METODOLOGI (METHODOLOGY)</b>
<b>Q01</b>	- Sains & teknologi makanan (Food science and technology)	<b>U10</b>	- Kaedah matematik dan statistik
		<b>U30</b>	- Kaedah penyelidikan (Research methods)

## A: PERTANIAN AM

### A50: Penyelidikan Pertanian

MY8782136

[The role of stations of the Division of Food Technology [Institut Penyelidikan dan Kemajuan Pertanian Malaysia]]. Peranan stesen-stesen Bahagian Teknologi Makanan. (Malay). Hussein Abd Rahman (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Teknologi Makanan). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(3) p. 26. Received May 1987. \*; RESEARCH INSTITUTIONS; FOOD TECHNOLOGY; MALAYSIA.

MY8705463

The role of research and development in plantation profitability, 2: Examples of recent techniques to enhance productivity. (En). Wood, B.J.; Gan, L.T.; Chung, G.F.; Lam, K.S.; Lim, K.H.; Loong, S.G.; Tan, S.T.; Thiagarajan, S. (Sime Darby Plantations, Shah Alam (Selangor). Ebor Research). 9 col. plates; 10 tables; 59 ref. Summary (En). *Planter (Malaysia)*. ISSN 0126-575X. (Jun 1987). v. 63(735) p. 248-271. Received Jun 1987. ELAEIS GUINEENSIS; HEVEA BRASILIENSIS; THEOBROMA CACAO; MALAYSIA.

MY8705462

The role of research and development in plantation profitability, 1: Elements of profitability. (En). Wood, B.J. (Sime Darby Plantations, Shah Alam, Selangor (Malaysia). Ebor Research); Edward, N.C. Conference "Agriculture and Plantation Management 198". Kuala Lumpur (Malaysia). 18-20 Jun 1986. 2 graphs; 5 tables; 2 ref. Summary (En). *Planter (Malaysia)*. ISSN 0126-575X. (Jun 1987). v. 63(735) p. 235-247. Received Jun 1987. \*; PLANTATIONS; EXPENDITURE; PRODUCTION COSTS; MALAYSIA.

MY8705417

PORIM annual research report 1985 [Palm Oil Research Inst. of Malaysia]. (En). Institut Penyelidikan Minyak Kelapa Sawit, Bangi, Selangor. Bangi, Selangor (Malaysia). IPMKSM. [1987]. 611 p. 91 ill.; 256 tables; Summary (En). Annual Research Report 1985 - Palm Oil Research Inst. of Malaysia (Malaysia). ISSN 0127-3507. PALM OILS; OIL PALMS; RESEARCH INSTITUTIONS; MALAYSIA.

## C: PENDIDIKAN, PENGEMBANGAN DAN MAKLUMAT NASIHAT

### C10: Pendidikan

MY8705535

Training courses in plantation management [Malaysia]. (En). Goldthorpe, G.C. *Planter (Malaysia)*. ISSN 0126-575X. (Jul 1987). v. 63(736) p. 314-320. Received Aug. 1987. \*; PLANTATIONS; MANAGEMENT; TRAINING COURSES; MALAYSIA.

### C20: Pengembangan

MY8782120

[The success of industrial factory adopted by MARDI [Malaysian Agricultural Research and Development Institute]. Kejayaan anak angkat MARDI. (Malay). Husin Haji Zakaria (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Teknologi Makanan). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(3) p. 11. Received May 1987. \*; SMALL SCALE ENTERPRISES; FOOD TECHNOLOGY; QUALITY CONTROLS; MALAYSIA.

MY8705507

Communication support programme for agro-forestry development project in Nigeria. (En). Onweagbai, A.E. (College of Agriculture, Umuagwo, Owerri (Nigeria)). 8 ref. Summary (En). *Malaysian Forester (Malaysia)*. ISSN 0302-2935. (1985). v. 48(1) p. 82-86. Received Jul. 1987. \*; AGROFORESTRY; INFORMATION FLOW; EXTENSION ACTIVITIES; NIGERIA.

MY8782145

[Advisory services for rubber industry [in Malaysia]]. Khidmat nasihat untuk perusahaan getah. (Malay). Ibrahim Said. *Getah Asli (Malaysia)*. ISSN 0126-5237. (Dis 1986). p. 14-18. Received Jul. 1987. HEVEA BRASILIENSIS; TECHNOLOGY TRANSFER; EXTENSION ACTIVITIES; MALAYSIA.

## D: PENTADBIRAN DAN PERUNDANGAN

### D10: Pentadbiran awam

MY8705467

Regulation: some salient features of plant regulations of Indonesia. (En). Asean Plant Quarantine Centre and Training Inst., Serdang, Selangor (Malaysia). *PLANTI News (Malaysia)*. (Aug 1986). v. 5(2) p. 6, 11. Received Jun 1987. \*; PROPAGATION MATERIALS; REGULATIONS; QUARANTINE; INDONESIA.

## D50: Perundangan

MY8705464

PLANTI reviews Asean legislation and documents. (En). Asean Plant Quarantine Centre and Training Inst., Serdang, Selangor (Malaysia). **PLANTI News (Malaysia)**. (Aug 1986). v. 5(2) p. 3. Received Jan 1987. \*; QUARANTINE; LEGISLATION; ASEAN.

MY8705468

Containerization in plant quarantine. (En). Asean Plant Quarantine Centre and Training Inst., Serdang, Selangor (Malaysia). **PLANTI News (Malaysia)**. (Aug 1986). v. 5(2) p. 7, 15. Received Jun 1987. \*; CONTAINERS; QUARANTINE; TRANSPORT.

## E: EKONOMI, PEMBANGUNAN DAN SOSIOLOGI DESA

### E10: Ekonomi dan polisi pertanian

MY8705552

Structural interrelationships of the West Malaysia economy in 1984, with emphasis on agriculture. (En). Abdul Aziz Abdul Rahman. Serdang, Selangor (Malaysia). 1987. 34 leaves. 5 tables; 7 ref. \*Library, Universiti Pertanian Malaysia. PKDP Report - Universiti Pertanian Malaysia (Malaysia). no. 10. Received Sep. 1987. \*; AGRICULTURAL DEVELOPMENT; SECTORAL PLANNING; MODELS; PENINSULAR MALAYSIA.

MY8705549

Determination of sectoral development priorities in the West Malaysian agriculture using the key sector approach. (En). Abdul Aziz Abdul Rahman. Serdang, Selangor (Malaysia). 1987. 42 leaves. Ill.; 3 tables; 24 ref. Appendices. \*Library, UPM. PKDP Report - Universiti Pertanian Malaysia (Malaysia). no. 7. Received Sep. 1987. \*; AGRICULTURAL DEVELOPMENT; DEVELOPMENT PLANS; SECTORAL PLANNING; PENINSULAR MALAYSIA.

MY8705454

Malaysian planters: challenges and responses to a changing environment. (En). Ng, C.S. (Malaysian Rubber Research and Development Board, Kuala Lumpur (Malaysia)). Annual General Meeting of Selangor Planters' Association. Kuala Lumpur (Malaysia). 28 Mar 1987. 4 tables; 4 ref. **Planter (Malaysia)**. ISSN 0126-575X. (Apr 1987). v. 63(733) p. 160-170. Received Jun 1987. \*; FARMERS; PLANTATIONS; FARM MANAGEMENT; MALAYSIA.

MY8705455

Designer genes anyone? Genetic engineering of crop plants in perspective, 1: Introduction and review of basic molecular genetics. (En). Ng, C.L. (Malaya Univ., Kuala Lumpur (Malaysia)). Jabatan Genetik dan

Sel Biologi); Soh, A.C. (Applied Agricultural Research Sdn. Bhd., Sg. Buloh, Selangor (Malaysia)). 6 ill. **Planter (Malaysia)**. ISSN 0126-575X. (May 1987). v. 63(734) p. 183-188. Received Jun 1987. \*; GENETIC ENGINEERING; DNA; GENES.

MY8705506

Forestry in federated Australia: lessons for Malaysia. (En). Rusli Bin Mohd (Pertanian Malaysia Univ., Serdang, Selangor. Jabatan Pengurusan Perhutanan). **Malaysian Forester (Malaysia)**. ISSN 0302-2935. (1985). v. 48(1) p. 75-81. Received Jul. 1987. \*; CENTRAL GOVERNMENT; FORESTRY POLICIES; AUSTRALIA; MALAYSIA.

### E13: Pelaburan, kewangan dan kredit

MY8782106

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MY8705553

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MY8705551

Partial adjustment, adaptive expectation and the demand for agricultural loans in a developing economy: empirical evidence for Malaysia. (En). Muzafar Shah Habibullah (Pertanian Malaysia Univ., Serdang, Selangor. Jabatan Ekonomi). Serdang, Selangor (Malaysia). 1987. 40 leaves. 2 tables; 39 ref. \*Library, Universiti Pertanian Malaysia. PKDP Report - Universiti Pertanian Malaysia (Malaysia). no. 9. Received Sep. 1987. \*; LOANS; MODELS; DECISION MAKING; MALAYSIA.

MY8705550

Malaysian agricultural finance in retrospect, 1970-1980. (En). Muzafar Shah Habibullah (Pertanian Malaysia Univ., Serdang, Selangor. Jabatan Ekonomi). Serdang, Selangor (Malaysia). 1987. 50 leaves. 12 tables; 57 ref. \*Library, Universiti Pertanian Malaysia. PKDP Report - Universiti Pertanian Malaysia (Malaysia). no. 8. Received Sep 1987. \*; LOANS; INTEREST RATES; COMMERCIAL BANKS; MALAYSIA.

#### **E14: Ekonomi dan polisi pembangunan**

MY8705546

Needs and technological transfer in rice cultivation - MADA's [Muda Agricultural Development Authority] views and experiences [Malaysia]. (En). Ahmad Al-mahdal, Dato', Syed; Ho, N.K.; Siti Zubaidah Mohd Rashid; Geh, Y.L. (Lembaga Kemajuan Pertanian Muda, Alor Setar, Kedah (Malaysia)). Alor Setar, Kedah (Malaysia). MADA. Jul 1986. 19 p. Appendices. MADA Monograph (Malaysia). no. 43. Received Sep. 1987. \*; RICE; SEQUENTIAL CROPPING; IRRIGATION; MALAYSIA.

#### **E16: Ekonomi pengeluaran**

MY8705458

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MY8705548

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#### **E20: Penyusunan, pentadbiran dan pengurusan perusahaan pertanian atau ladang**

MY8782154

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MY8705557

[Experience at Chuping Felda [Federal Land and Development Authority] sugar cane project [Malaysia]]. Pengalaman projek tebu Felda Chuping. (Malay). Za'bah Haji Mohammad. **Peneroka (Malaysia)**. ISSN 0126-6349. (1987). v. 19(4) p. 19. Received Sep. 1987. SUGAR CANE; FARMING SYSTEMS; PENINSULAR MALAYSIA.

MY8705426

Common features and problems of vegetable smallholders in Peninsular Malaysia. (En). Ding, T.H. (Institut penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai). 2 ill., 2 ref. Summaries (En, Malay).

**Teknologi Sayur-Sayuran (Malaysia)**. ISSN 0127-7960. (Feb 1986). v. 2 p. 29-33. Received May 1987. \*; VEGETABLES; SMALL SCALE FARMING; FARMERS; PENINSULAR MALAYSIA.

MY8705504

Privatization and forestry development [in Malaysia]. (En). Zainal Aznam Bin Yusof (Prime Minister's Dept., Kuala Lumpur (Malaysia). Economic Planning Unit). 1 table. **Malaysian Forester (Malaysia)**. ISSN 0302-2935. (1985). v. 48(1) p. 48-56. Received Jul. 1987. \*; PRIVATE OWNERSHIP; FORESTRY POLICIES; FOREST RESOURCES MALAYSIA.

#### **E21: Industri pertanian**

MY8705500

Dowels and mouldings - a stepping stone towards further processing? [Sarawak]. (En). Anon. Ill. **Perkasa (Malaysia)**. ISSN 0126-6632. (Apr 1987). v. 3(2) p. 8-10. Received Jul. 1987. WOOD PRODUCTS; MOULDING; WOOD INDUSTRY; SARAWAK.

MY8705498

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MY8782153

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MY8782155

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MY8705532

Timber processing zones in Sarawak. (En). Malaysian. Timber Industry Board, Kuala Lumpur. **Maskayu (Malaysia)**. ISSN 0126-771X. (May 1987). v. 5 p. 16, 6. Received Aug. 1987. \*; WOOD INDUSTRY; SARAWAK.

#### **E70: Niaga, pemasaran dan edaran**

MY8782151

Guava: good sales for seedless [Psidium guajava; Malaysia]. **Fruits Focus**. (En). Ngam, S.M. 1 table. **Malaysian Business (Malaysia)**. ISSN 0126-5504. 1 Jul 1987. p. 35-36. Received Jul 1987. PSIDIUM



GUAJAVA; SUPPLY BALANCE; PRODUCTION COSTS; MALAYSIA.

MY8705459

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MY8705460

Market [of rubber in the first quarter of 1987]. (En). Malaysian Rubber Research and Development Board, Kuala Lumpur. 4 graphs; 1 table. *Malaysian Rubber Review (Malaysia)*. ISSN 0127-2969. (1987). v. 8 (First Quarter) p. 29-37. Received May 1987. RUBBER; MALAYSIA.

MY8705475

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MY8705524

Statistical summary [of palm oil prices]. (En). Institut Minyak Kelapa Sawit Malaysia, Bangi, Selangor (Malaysia). 2 ill.; 2 tables. *Palm Oil Developments (Malaysia)*. Palm Oil Research Institute Malaysia, Palm Oil Developments. ISSN 0127-3329. (Jan 1987). (no. 6) p. 14-19. PALM OILS; FATS; MALAYSIA.

MY8705523

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MY8782148

Market: efforts bearing fruits [Malaysia]. *Fruits Focus*. (En). Ngam, S.M. 1 table. *Malaysian Business (Malaysia)*. ISSN 0126-5504. 1 Jun 1987. p. 31-32. Received Jul 1987. BANANAS; CITRULLUS LANATAS; CARICA PAPAYA; MALAYSIA.

MY8782149

Papaya: solo hit overseas [Carica papaya hybrids from Malaysia]. *Fruits Focus*. (En). Ngam, S.M. *Malaysian Business (Malaysia)*. ISSN 0126-5504. 1 Jun 1987. p. 33. Received Jul 1987. CARICA PAPAYA; BACK-CROSSING; RESEARCH INSTITUTIONS; MALAYSIA.

MY8782116

[Supply and demand for local fruits [in Malaysia]]. Penawaran dan permintaan buah-buahan tempatan. (Malay). Raziah Mat Lin (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Buah-buahan). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(3) p. 7. Received May 1987. \*; TROPICAL FRUITS; SUPPLY BALANCE; PRICING; POLICIES; MALAYSIA.

MY8705474

Timber consumption trends in Australia. (En). Malaysian Timber Industry Board, Kuala Lumpur. 1 ill. *Maskayu (Malaysia)*. ISSN 0126-771X. (Mar 1987). v. 3 p. 3, 6. Received Jul. 1987. PLYWOOD; SAWNWOOD; DEMAND; AUSTRALIA.

MY8705418

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#### E71: Niaga antarabangsa

MY8705503

The introduction of lesser-known tropical hardwood species: avoiding past mistakes. (En). Kalafatis, S.P. (North Wales Univ. College, Bangor, Gwynedd (Wales). Forestry and Wood Science Dept.). 3 tables. Summary (En). *Malaysian Forester (Malaysia)*. ISSN 0302-2935. (1985). v. 48(1) p. 31-47. Received Jul. 1987. HARDWOOD; WOOD PRODUCTS; MARKET COMPETITION; TROPICS.

MY8782107

Palm Oil: objective look at export posers. (En). Soh, E.L. 4 tables. *Malaysian Business (Malaysia)*. ISSN 0126-5504. (16 Jun 1987). p. 65-67. Received Jun 1987. PALM OILS; LEVIES; USA; EUROPEAN COMMUNITIES.

MY8782105

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MY8705419

Review of 1986 Sarawak pepper [Piper nigrum] exports. (En). Pepper Marketing Board, Kuching, Sarawak (Malaysia). 3 tables. *Warta Pasaran Lada (Malaysia)*. (Jan-Mar 1987). v. 16(1) p. 21-26. Received Jun. 1987. PIPER NIGRUM; SARAWAK;

JAPAN; SINGAPORE.

**E72: Niaga dalam negeri**

MY8705508

Timber supply and domestic demand in Peninsular Malaysia. (En). Thang, H.C. (Forestry Department Headquarters, Kuala Lumpur (Malaysia)). Conference of Directors of Forestry. Pulau Pinang (Malaysia). 10-14 Jul 1984. Ill.; 5 tables; 6 ref. Summary (En). *Malaysian Forester* (Malaysia). ISSN 0302-2935. (1985). v. 48(2) p. 87-100. Received Jul. 1987. \*; FOREST RESOURCES; SUPPLY BALANCE; PENINSULAR MALAYSIA.

MY8782109

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**F: SAINS TUMBUHAN  
DAN PENGELUARAN**

**F01: Perusahaan**

MY8705430

[Effect of available soil moisture on the yield of chilli [*Capsicum annum*]]. Kesan tahap kelembapan tanah tersedia pada hasil cili. (Malay). Ayob, K. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Seberang Perai, Pulau Pinang. Bahagian Penyelidikan Padi). 1 graph; 1 table; 2 ref. Summaries (En, Malay). *Teknologi Sayur-Sayuran* (Malaysia). ISSN 0127-7960. (Feb 1986). v. 2 p. 57-59. Received May 1987. CAPSICUM ANNUM; SOIL WATER CONTENT; MOISTURE CONTENT; DRAINAGE WATER.

MY8782117

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MY8705437

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A.C.; Abu Z. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Pontian, Johor. Bahagian Penyelidikan Tanaman Pelbagai). 2 col. plates; 4 tables; 4 ref. Summaries (En, Malay). *MARDI Research Bulletin* (Malaysia). ISSN 0126-5709. (Aug 1986). v. 14(2) p. 120-124. Received May 1987. ALLIUM CEPA; MATURATION; PEAT SOILS; PENINSULAR MALAYSIA.

MY8705483

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MY8782111

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MY8782133

[The quality of bananas that are wrapped [Malaysia]]. Cantiknya buah pisang yang dibungkus. (Malay). Pauziah Muda; Ahmad Tarmizi Shapii; Mohd Shamsudin Osman (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Buah-buahan). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia* (Malaysia). ISSN 0127-1458. (1986). v. 8(3) p. 23. Received May 1987. BANANAS; CULTURAL CONTROL; MALAYSIA.

MY8782138

[Red durian from Borneo]. Durian merah dari Borneo. (Malay). Mohd Shamsuddin Osman; Salleh Hasan (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Buah-buahan). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia* (Malaysia). ISSN 0127-1458. (1986). v. 8(3) p. 27. Received May 1987. ]DURIO; FRUIT; BORNEO.

MY8782134

[*Garcinia prainiana*: a nearly forgotten fruit [Peninsular Malaysia]]. Cerapu: buah yang hampir dilupakan. (Malay). Rukayah Aman (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Buah-buahan). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Per-*

**tanian Malaysia (Malaysia).** ISSN 0127-1458. (1986). v. 8(3) p. 24. Received May 1987. GARCINIA; FRUITS; GERMPLASM; PENINSULAR MALAYSIA.

MY8782122

[Planting paddy by broadcasting and from seed left in the soil in MADA [Muda Agricultural Development Authority] [Peninsular Malaysia]]. Menanam padi batat dan tabur terus di MADA. (Malay). Mohd Khalid Mohd Zain (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Alor Setar, Kedah. Bahagian Penyelidikan Padi). **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia).** ISSN 0127-1458. (1986). v. 8(3) p. 12. Received May 1987. IRRIGATED RICE; SEED; BROADCASTING; PENINSULAR MALAYSIA.

MY8782125

[Types of fruits in Sarawak]. Jenis buah-buahan di Sarawak. (Malay). Salma Idris; Siti Hawa Jamaluddin (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor). **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia).** ISSN 0127-1458. (1986). v. 8(3) p. 14. Received May 1987. \*; TROPICAL FRUITS; SARAWAK.

MY8705423

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MY8782137

[Unsuitability of cover plants (*Mucuna*) in the planting of papaya [*Carica papaya*; Malaysia]. Ketidakerasian penutup bumi (*Mucuna*) dalam penanaman betik. (Malay). Raveendranathan, P.; Ramlah Hamzah (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Buah-buahan). **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia).** ISSN 0127-1458. (1986). v. 8(3) p. 26, 27. Received May 1987. CARICA PAPAYA; MUCUNA; COVER PLANTS; MALAYSIA.

MY8782150

Starfruit: flicker in its future [*Averrhoa carambola* in Malaysia]. (En). Ngam, S.M. **Malaysian Business (Malaysia).** ISSN 0126-5504. 1 Jul 1987. p. 34. Received Jul 1987. AVERRHOA CARAMBOLA; SMALL SCALE FARMING; PESTICIDES; MALAYSIA.

MY8705451

[The concepts of quality in the production of Malaysian flue-cured tobacco]. Pengenalan asas mutu tembakau awetpanas Malaysia. (Malay). Musa Yaacob; Mat Dahan Mohd Daud; Azmi A.R. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Telong, Kelantan. Bahagian Penyelidikan Tembakau). 3 graphs; 4 tables; 11 ref. Summaries (En, Malay). **Teknologi Tembakau (Malaysia).** ISSN 0127-7936. (May 1986). v. 2 p. 25-31. Received May 1987. NICOTIANA TABACUM; QUALITY CONTROLS; MALAYSIA.

MY8705471

[Durian : king of fruits]. Durian : raja segala buah. (Malay). Jabatan Musium Malaysia, Kuala Lumpur. Kuala Lumpur (Malaysia). JMM. 1986. 28 p. DURIO ZIBETHINUS; FRUIT; FRUIT PRODUCTS.

MY8705453

Experiences on the cultivation and management of oil palms [*Elaeis guineensis*] on deep peat in United Plantations Berhad [Malaysia]. (En). Gurmit Singh; Tan, Y.P.; Rajah Padman, C.V.; Lee, F.W. (United Plantations Bhd., Teluk Intan, Perak (Malaysia)) 2. International Soil Management Workshop. Haad Yai (Thailand). Apr 1986. 4 ill., 5 tables; 7 ref. Summary (En). **Planter (Malaysia).** ISSN 0126-575X. (Apr 1987). v. 63(733) p. 143-157. Received Jun 1987. ELAEIS GUINEENSIS; PEATLAND; FERTILIZER APPLICATION; MALAYSIA.

MY8782152

Mangoes: strategies for sweet success [*Mangifera indica*; Peninsular Malaysia]. **Fruits Focus.** (En). Ngam, S.M. **Malaysian Business (Malaysia).** ISSN 0126-5504. 1 Jul 1987. p. 36. Received Jul 1987. MANGIFERA INDICA; SUPPLY BALANCE; INDUCED FLOWERING; PENINSULAR MALAYSIA.

MY8782144

[Controlled upward tapping in Felda [Federal Land Development Authority] Tenang, Besut [Peninsular Malaysia]]. Torehan menaik terkawal di Felda Tenang, Besut. (Malay). Sakhibun Mohd Husin; Ismail Hashim (Institut Penyelidikan Getah Malaysia, Kuala Lumpur). Ill., 2 tables. **Getah Asli (Malaysia).** ISSN 0126-5237. (Dis 1986). p. 2-7. Received Jul. 1987. HEVEA BRASILIENSIS; TAPPING; STIMULATION; PENINSULAR MALAYSIA.

MY8782146

[Upward tapping [in Malaysia]]. Torehan menaik. (Malay). Ibrahim Said. Ill. **Getah Asli (Malaysia).** ISSN 0126-5237. (Dis 1986). p. 19-20. Received Jul. 1987. HEVEA BRASILIENSIS; TAPPING; PENINSULAR MALAYSIA.

## F02: Pemiakan tumbuhan

MY8705518

Research note on oil palm protoplasts culture. (En). Mohamad Ali Sekak; Abdul Halim Hassan; Mohamad Roslan Noor. 2 ill., 2 tables; 4 refs. Summary (Malay). **PORIM Bulletin (Malaysia)**. Palm Oil Research Institute Malaysia Bulletin. ISSN 0127-0249. (May 1987). (no. 14) p. 1-4. OIL PALMS; PROTOPLASM; ENZYMES.

MY8782126

[Duku langsung on a Lansium tree [in Peninsular Malaysia]]. Duku langsung di pokok langsung. (Malay). Chai, T.B.; Azid Samad, Raja; A. Samat Wahid (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Sungai Baging, Pahang. Bahagian Penyelidikan Buah-buahan). Ill. **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)**. ISSN 0127-1458. (1986). v. 8(3) p. 15. Received May 1987. \*; TOPWORKING; TROPICAL FRUITS; PENINSULAR MALAYSIA.

MY8782123

['Tut' grafting using 'Jiffy' for fruit trees [in Malaysia]]. Penggunaan 'Jiffy' dalam pembiakan cara tut bagi pokok buah-buahan. (Malay). Chong, S.T. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Buah-buahan). Ill. **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)**. ISSN 0127-1458. (1986). v. 8(3) p. 13. Received May 1987. PSIDIUM GUAJAVA; GRAFTING; MALAYSIA.

MY8782112

[New propagation technique for ciku [Manilkara achras]]. Teknik pembiakan baru untuk ciku. (Malay). Chong, S.T. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Buah-buahan). **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)**. ISSN 0127-1458. (1986). v. 8(3) p. 4. Received May 1987. MANILKARA ACHRAS; GRAFTING; MALAYSIA.

MY8705534

Clonal propagation of papaya [Carica papaya]: problems and prospects. (En). Chan, L.K.; Teo, C.K.H. (Sains Malaysia Univ., Pulau Pinang. School of Biology). 4 ill.; 8 ref. Summary (En). **Planter (Malaysia)**. ISSN 0126-575X. (Jul 1987). v. 63(736) p. 293-295. Received Aug. 1987. CARICA PAPAYA; TISSUE CULTURE; MALAYSIA.

## F04: Membaja

MY8705449

[Fertilizer application and management of flue-cured tobacco crop using traditional irrigation system [in

Peninsular Malaysia]]. Penggunaan dan pengurusan pembajaan bagi tanaman tembakau awet panas dengan sistem pengairan tradisional. (Malay). Azman Ismail, Wan (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Telong, Kelantan. Bahagian Penyelidikan Tembakau); Salbiah H. 2 tables; 10 ref. Summaries (En, Malay). **Teknologi Tembakau (Malaysia)**. ISSN 0127-7936. (May 1986). v. 2 p. 15-19. Received May 1987. NICOTIANA TABACUM; FERTILIZER APPLICATION; PENINSULAR MALAYSIA.

MY8705448

[Fertilizer application of tobacco in Bris soils using sprinkler system]. Pembajaan tanaman tembakau di tanah Bris dengan menggunakan sistem pengairan sprinkler (Malay). Zaki W.M., Wan (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Rantau Abang, Terengganu. Unit Tembakau). 5 tables; 3 ref. Summaries (En, Malay). **Teknologi Tembakau (Malaysia)**. ISSN 0127-7936. (May 1986). v. 2 p. 11-14. Received May 1987. NICOTIANA TABACUM; SPRINKLER IRRIGATION; FERTILIZERS; PENINSULAR MALAYSIA.

MY8705482

The influence of aging of P fertilizer and rainfall on theyield and P uptake by Setaria. (En). Aminuddin Husin (Pertanian Malaysia Univ., Serdang, Selangor. Jabatan Sains Tanah); Vanderdeelen, J. 6 tables; 8 ref. Summary (En, Malay). **Pertanika (Malaysia)**. ISSN 0126-6128. (Apr 1987). v. 10(1) p. 11-16. Received Jun. 1987. SETARIA (GRASS); PHOSPHATE FERTILIZERS; RESIDUES; RAIN.

MY8782131

[Rice plant reaction towards nutrients [Oryza sativa]]. Tindakbalas pokok padi terhadap zat makanan. (Malay). Mohd Aris Junus (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Padi). 1 graph. **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)**. ISSN 0127-1458. (1986). v. 8(3) p. 21. Received May 1987. ORYZA SATIVA; NITROGEN FERTILIZERS; NITROGEN METABOLISM.

MY8705446

Forage productivity of three fodder shrubs in Malaysia. (En). Wong, C.C.; Mohd Sharudin M.A. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Ternakan). Summaries (En, Malay). **MARDI Research Bulletin (Malaysia)**. ISSN 0126-5709. (Aug 1986). v. 14(2) p. 178-188. Received May 1987. GLIRICIDIA SEPIUM; LEUCAENA; MANIHOT ESCULENTA; PENNISETUM PURPUREUM.

MY8782124

[Soil amendment]. Bahan pindaan tanah (Soil amend-

ment). (Malay). Sulaiman Zulkifly (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Buah-buahan). **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)**. ISSN 0127-1458. (1986). v. 8(3) p. 13. Received May 1987. \*; SOIL AMENDMENTS; WATER BINDING CAPACITY; STRESS.

MY8705484

Extractibility of residual rock and superphosphate on limed and unlimed Bungor soil. (En). Aminuddin Husin (Pertanian Malaysia Univ., Serdang, Selangor. Jabatan Sains Tanah); Vanderdeelen, J.; Baert, L. 5 tables; 13 ref. Summary (En, Malay). **Pertanika (Malaysia)**. ISSN 0126-6128. (Apr 1987). v. 10(1) p. 31-35. Received Jun. 1987. \*; ROCK PHOSPHATE; SUPERPHOSPHATE; PHOSPHORUS; PENINSULAR MALAYSIA.

#### F06: Pengairan

MY8705447

[Design and the evaluation of a water filtration system on Bris soil area in Kelantan] [Peninsular Malaysia]. Rekabentuk dan prestasi penapis air di kawasan tanah Bris, Kelantan. (Malay). Mohammad C.H. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Kota Bharu, Kelantan. Bahagian Penyelidikan Padi). 2 ill.; 4 tables; 3 ref. Summaries (En, Malay). **Teknologi Tembakau (Malaysia)**. ISSN 0127-7936. (May 1986). v. 2 p. 1-10. Received May 1987. \*; FILTRATION; IRON; WATER QUALITY; PENINSULAR MALAYSIA.

#### F08: Corak dan sistem penanam

MY8705425

[The cost and return of four crops using rotational cropping system on peat soils [in Peninsular Malaysia]]. Kos dan pulangan sistem tanaman giliran empat tanaman di tanah gambut. (Malay). Haron Ashari (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Pontian, Johor. Bahagian Penyelidikan Tanaman Pelbagai). 1 table; 1 ref. Summaries (En, Malay). **Teknologi Sayur-Sayuran (Malaysia)**. ISSN 0127-7960. (Feb 1986). v. 2 p. 25-27. Received May 1987. LYCOPERSICON ESCULENTUM; CABBAGES; VIGNA UNGUICULATA SESQUIPEDALIS; PENINSULAR MALAYSIA.

MY8705499

Agroforestry in Sarawak. (En). Ngau Jalong, P. (Sarawak Forest Dept., Kuching (Malaysia)). III. **Perkasa (Malaysia)**. ISSN 0126-6632. (Apr 1987). v. 3(2) p. 6-7, 12. Received Jul. 1987. ACACIA MANGUIUM; RICE; DURIO ZIBETHINUS; SARAWAK.

MY8705424

[The cost and return of rotational cropping of tomato [*Lycopersicon esculentum*] with other vegetables in peat soils [Peninsular Malaysia]]. Kos dan pulangan tanaman giliran tomato dengan sayuran lain di tanah gambut (Malay). Haron Ashari (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Pontian, Johor. Bahagian Penyelidikan Tanaman Pelbagai). 1 table; 1 ref. Summaries (En, Malay). **Teknologi Sayur-Sayuran (Malaysia)**. ISSN 0127-7960. (Feb 1986). v. 2 p. 21-24. Received May 1987. LYCOPERSICON ESCULENTUM; ROTATIONAL CROPPING; PEAT SOILS; PENINSULAR MALAYSIA.

#### F30: Genetik dan pembiakbaikan tumbuhan

MY8705491

Isolation of messenger RNA from oil palm [*Elaeis guineensis*] embryos. Communication 1. (En). Jack, P.L. (Colworth House, Bedford (UK). Unilever Research); Zaliha Christine Alang. 2 plates; 1 ref. Summaries (En, Malay). **Pertanika (Malaysia)**. ISSN 0126-6128. (Apr 1987). v. 10(1) p. 97-102. Received Jun. 1987. ELAEIS GUINEENSIS; EMBRYO CULTURE; ELECTROPHORESIS; RNA.

MY8705420

Six promising MARDI [Malaysian Agricultural Research and Development Inst.] selected tomato [*Lycopersicon esculentum*] lines for lowland peat. (En). Melor Rejab (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Selangor. Bahagian Penyelidikan Tanaman Pelbagai). 7 col. plates; 1 ill.; 4 ref. Summaries (En, Malay). **Teknologi Sayur-Sayuran (Malaysia)**. ISSN 0127-7960. (Feb 1986). v. 2 p. 1-7. Received May 1987. LYCOPERSICON ESCULENTUM; PSEUDOMONAS; PEAT SOILS; PENINSULAR MALAYSIA.

MY8705457

Designer genes anyone? Genetic engineering of crop plants in perspective, 3: Practical application: Current constraints and active areas of research; and concluding remarks. (En). Koh, C.L. (Malaya Univ., Kuala Lumpur (Malaysia). Jabatan Genetik dan Sel Biologi); Soh, A.C. 4 ref. **Planter (Malaysia)**. ISSN 0126-575X. (May 1987). v. 63(734) p. 196-203. Received Jun 1987. \*; PLASMIDS; AGROBACTERIUM; GENES; GENETIC ENGINEERING.

MY8705525

[Breeding field crops]. [Volume 1]. **Pembiakbakaan tanaman ladang**. (Malay). Poehlman, J.M. (Missouri Univ., Columbia (USA)). Jilid 1. Kuala Lumpur (Malaysia). Dewan Bahasa dan Pustaka. 1986. 280 p. Bibliografi p.277-280. \*; BREEDING; BREEDING METHODS; CROPS; GENETICS.

MY8782159

Watermelon varieties [Citrullus lanatus; Sarawak]. (En, Malay). Department of Agriculture, Kuching, Sarawak (Malaysia). English ed. Also in Malay. Malay ed.: Jenis-jenis tembikai. **Farmers' Bulletin (Malaysia)**. (May 1987). (no. 266) p. 4. Received Jul. 1987. CITRULLUS LANATUS; VARIETIES; SARAWAK.

MY8705541

Rice varietal development in Peninsular Malaysia. (En). Othman O. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Seberang Perai, Pulau Pinang. Bahagian Penyelidikan Padi); Alias I.; Hadzim K. Serdang, Selangor (Malaysia). **MARDI**. Sep 1986. 18 p. Ill.; 6 tables; 34 ref. Summaries (En, Malay). **MARDI Report (Malaysia)**. no. 109. Received Sep. 1987. ORYZA SATIVA; SEQUENTIAL CROPPING; DISEASE RESISTANCE; MALAYSIA.

MY8705456

Designer genes anyone? Genetic engineering of crop plants in perspective, 2: Recombinant DNA technique and steps in genetic engineering of plants. (En). Koh, C.L. (Malaya Univ., Kuala Lumpur (Malaysia). Jabatan Genetik dan Sel Biologi); Soh, A.C. 3 ill., 1 table. **Planter (Malaysia)**. ISSN 0126-575X. (May 1987). v. 63(734) p. 189-195. Received Jun 1987. \*; DNA; ESCHERICHIA; PLASMIDS; GENETIC ENGINEERING.

MY8705421

[Preliminary evaluation studies on varieties of potato at Cameron Highlands [Peninsular Malaysia]]. Kajian awal penilaian varieti ubi kentang di Cameron Highlands. (Malay). Mohd Shukor Nordin (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Cameron Highlands, Pahang. Bahagian Penyelidikan Tanaman Pelbagai); Saharan Anang. 1 plate; 2 tables; 2 ref. Summaries (En, Malay). Appendix. **Teknologi Sayur-Sayuran (Malaysia)**. ISSN 0127-7960. (Feb 1986). v. 2 p. 9-12. Received May 1987. SOLANUM TUBEROSUM; DRY SEASONS; WET SEASON; PENINSULAR MALAYSIA.

MY8705422

[Preliminary evaluation studies on varieties of lettuce [Lactuca sativa at Cameron Highlands]]. Kajian awal pemilihan varieti salad di Cameron Highlands. (Malay). Mohd Shukor Nordin (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Cameron Highlands, Pahang. Bahagian Penyelidikan Tanaman Pelbagai). 1 col. plate; 3 tables; Summaries (En, Malay). **Teknologi Sayur-Sayuran (Malaysia)**. ISSN 0127-7960. (Feb 1986). v. 2 p. 13-15. Received May 1987. LACTUCA SATIVA; WET SEASON; DRY SEASON; PENINSULAR MALAYSIA.

MY8782130

[Local verification test for cocoa [Theobroma cacao] in Terengganu [Peninsular Malaysia]]. Ujian setempat tanaman koko di Terengganu. (Malay). Ismail Wahab; Muda Bin Besar, Ku (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Koko/Kelapa). **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)**. ISSN 0127-1458. (1986). v. 8(3) p. 20, 21. Received May 1987. THEOBROMA CACAO; CLONES; PLANT INTRODUCTION; PENINSULAR MALAYSIA.

MY8705554

Rattan gene bank in the Philippines : Progress report. (En). Lapis, A.B. (Forest Research Inst. College, Laguna (Philippines). Forest Regulation and Utilization Div.). 8 col. plates. Appendices. **RIC Bulletin - Forest Research Inst. (Malaysia)**. ISSN 0127-2365. (Sep 1986). v. 5(3) p. 1-7. Received Sep. 1987. CALAMUS; DAEMONOROPS; GENE POOLS; PHILIPPINES.

MY8782127

[Germplasm of sugar cane for sugar and beverages [in Malaysia]]. Janaplasma tebu gula dan minuman. (Malay). Siti Zainab Ramawas (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai). Ill.; 2 tables. **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)**. ISSN 0127-1458. (1986). v. 8(3) p. 18. Received May 1987. SUGAR CANE; CANE SUGAR; BEVERAGES; MALAYSIA.

#### F50: Ekologi tumbuhan

MY8705529

An introduction to plant anatomy. Pengenalan anatomi tumbuhan. (Malay). Eames, A.J.; Macdaniels, L.H. (Cornell Univ., Ithaca (USA)). Kuala Lumpur (Malaysia). Dewan Bahasa dan Pustaka. 1987. 529 p. Bibliography p.529. Transl: An introduction to plant anatomy. \*; PLANT ANATOMY.

#### F60: Fisiologi dan biokimia tumbuhan

MY8705556

[Using of ethephon as latex stimulants]. Penggunaan penggalak susu getah etefon. (Malay). Lembaga Kemajuan Tanah Persekutuan, Kuala Lumpur (Malaysia). Ill. **Peneroka (Malaysia)**. ISSN 0126-6349. (1987). v. 19(4) p. 7, 27. Received Sep. 1987. HEVEA BRASILIENSIS; LATEX; STIMULATION; PENINSULAR MALAYSIA.

MY8705438

The effect of water deficit at different growth phases on

the performance of groundnut [*Arachis hypogaea*; Malaysia]. (En). Zaharah H. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai). 1 graph; 3 tables; 3 ref. Summaries (En, Malay). **MARDI Research Bulletin (Malaysia)**. ISSN 0126-5709. (Aug 1986). v. 14(2) p.126-131. Received May 1987. ARACHIS HYPOGAEA; STRESS; GREENHOUSES; MALAYSIA.

**F61: Fisiologi tumbuhan -pemakanan**

MY8705428

Micronutrient contents and removal by chilli [*Capsicum annuum*]. (En). Vimala, P. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Kelang, Selangor. Bahagian Penyelidikan dan Kemajuan Pertanian Malaysia). 1 ill.; 3 tables; 8 ref. Summaries (En, Malay). **Teknologi Sayur-Sayuran (Malaysia)**. ISSN 0127-7960. (Feb 1986). v. 2 p. 45-47. Received May 1987. CAPSICUM ANNUUM; MANGANESE; IRON; TRACE ELEMENT DEFICIENCIES.

**F62: Fisiologi tumbuhan - pertumbuhan dan perkembangan**

MY8782115

[Young leaves and its effect on the production of cocoa [*Theobroma cacao*]]. Pucuk muda dan kesannya terhadap penghasilan koko. (Malay). Omran Hashim. **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)**. ISSN 0127-1458. (1986). v. 8(3) p. 7. Received May 1987. THEOBROMA CACAO; LEAVES; ABA; GA.

MY8705434

Pod development trend in *Phaseolus vulgaris* L. (En). Zaharah H. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai); Scarisbrick, D.H. 3 graphs; 4 table; Summaries (En, Malay). **MARDI Research Bulletin (Malaysia)**. ISSN 0126-5709. (Aug 1986). v. 14(2) p.102-107. Received May 1987. PHASEOLUS VULGARIS; FRUITS; FERTILIZERS; GREENHOUSES.

**F63: Fisiologi tumbuhan - pengeluaran**

MY8705492

Role of insects in the pollination of cocoa [*Theobroma cacao*] flowers. (En). Abdul Ghani Ibrahim; Abdul Manab Hussein (Pertanian Malaysia Univ., Serdang, Selangor. Jabatan Perlindungan Tumbuhan). 1 ill., 2 tables; 9 ref. Summaries (En, Malay). **Pertanika (Malaysia)**. ISSN 0126-6128. (Apr 1987). v. 10(1) p. 103-106. Received Jun. 1987. THEOBROMA CACAO; FLOWERS; FRUITING; FORCIPOMYIA.

**F70: Taksonomi dan geografi tumbuhan**

MY8705540

Dictionary of plant names [in Peninsular Malaysia]. (En). Ng, F.S.P.; Lau, L.C. (Comps.). Kepong, Selangor (Malaysia). Forest Research Inst. Malaysia. Jul 1986. 74 p. **FRIM Reports (Malaysia)**. no. 47. Received Sep. 1987. \*; TREES; PENINSULAR MALAYSIA.

MY8705536

Computer identification of Malaysian hardwood. (En). Ashari Abdul Jalil (Institut Teknologi MARA, Shah Alam (Malaysia). Kajian Sains Gunaan). 5 ref. Summary (Malay). Appendix. **Ikhtisar (Malaysia)**. ISSN 0127-9092. (1987). v. 1(2) p. 1-8. Received Aug. 1987. HARDWOOD; COMPUTER; MAL HARDWOOD; COMPUTER; MALAYSIA.

**H: PERLINDUNGAN TUMBUHAN**

**H10: Perosak tumbuhan**

MY8705435

Observation on damage by *Xylosandrus compactus* in coffee [*Coffea*] as affected by shade and variety [in Peninsular Malaysia]. (En). Mohd Anuar Abbas (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Kluang, Johor). 2 graphs; 9 ref. Summaries (En, Malay). **MARDI Research Bulletin (Malaysia)**. ISSN 0126-5709. (Aug 1986). v. 14(2) p. 108-110. Received May 1987. COFFEA CANEPHORA; XYLEBORUS; SHADING; PENINSULAR MALAYSIA.

MY8705443

Occurrence of diamondback moth [*Plutella xylostella*] and its parasitoids [*Apanteles plutellae*] within cabbage heads. (En). Lim, G.S.; Tan, C.L. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Makmal Penyelidikan Pusat). 3 tables; 14 ref. Summaries (En, Malay). **MARDI Research Bulletin (Malaysia)**. ISSN 0126-5709. (Aug 1986). v. 14(2) p.158-163. Received May 1987. CABBAGES; PLUTELLA; HYMENOPTERA; INSECTICIDES.

MY8705490

Toxicity and relative selectivity of acephate to target and non-target organisms. (En). Rosli Bin Mohamad (Pertanian Malaysia Univ., Jabatan Agronomi dan Kulturakebunan). 3 tables; 14 ref. Summaries (En, Malay). **Pertanika (Malaysia)**. ISSN 0126-6128. (Apr 1987). v. 10(1) p. 75-80. Received Jun. 1987. \*; CHORISTONEURA; EPHESTIA; RATS; ORGANOPHOSPHORUS COMPOUNDS.

MY8705533

Naphthalene balls for the protection of coconuts [*Cocos*

nucifera] and oil palms [*Elaeis guineensis*] against *Oryctes rhinoceros* (L.). (En). Gurmit Singh (United Plantations Berhad, Teluk Intan, Perak (Malaysia)). 4 tables; 3 ref. Summary (En). **Planter (Malaysia)**. ISSN 0126-575X. (Jul 1987). v. 63(736) p. 286-292. Received Aug. 1987. COCOS NUCIFERA; ELAEIS GUINEENSIS; ORYCTES; INSECTICIDES.

MY8705465

Control of banana buncy - top. (En). Asean Plant Quarantine Centre and Training Inst., Serdang, Selangor (Malaysia). **PLANTI News (Malaysia)**. (Aug 1986). v. 5(2) p. 4, 11. Received Jan 1987. BANANAS; PENTALONIA; CULTURAL CONTROL; CHEMICAL CONTROL.

MY8705450

[Root-knot nematode, a pest of tobacco plants [in Peninsular Malaysia]]. Masalah nematod puru akar pada tanaman tembakau (Malay). Yuen, P.M. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Makmal Penyelidikan Pusat); Enon Abdul Samad. 1 table; 11 ref. Summaries (En, Malay). **Teknologi Tembakau (Malaysia)**. ISSN 0127-7936. (May 1986). v. 2 p. 21-24. Received May 1987. NICOTIANA TABACUM; MELOIDOGYNE; PENINSULAR MALAYSIA.

MY8705442

A simple rearing unit for diamondback moth and its parasitoid (*Apanteles plutellae* Kurdj.). (En). Lim, G.S.; Chan, H.F. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Makmal Penyelidikan Pusat). 2 plates; 11 ref. Summaries (En, Malay). **MARDI Research Bulletin (Malaysia)**. ISSN 0126-5709. (Aug 1986). v. 14(2) p. 154-157. Received May 1987. CABBAGES; PLUTELLA; PARASITES; INSECTICIDES.

## H20: Penyakit tumbuhan

MY8782128

[Viral diseases - the main obstacle in the production of chilli [*Capsicum annum*; Malaysia]]. Penyakit virus - halangan utama dalam pengeluaran cili. (Malay). Mah, S.Y. (Institut Penyelidikan dan Kemajuan Pertanian, Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai). Ill. **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)**. ISSN 0127-1458. (1986). v. 8(3) p. 19. Received May 1987. CAPSICUM ANNUM; CUCUMBER MOSAIC VIRUS; TOBACCO MOSAIC VIRUS; MALAYSIA.

MY8782121

[Sweet corn threaten by serious diseases [in Peninsular Malaysia]]. Jagung manis diancam oleh penyakit merbahaya. (Malay). Abdul Aziz A.M.; Mooi, K.C.;

Lee, K.C. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai). Ill. **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)**. ISSN 0127-1458. (1986). v. 8(3) p. 11, 12. Received May 1987. SWEETCORN; MILDEWS; FUNGICIDES; PENINSULAR MALAYSIA.

MY8782118

[Broken stalk occurrence in Moris pineapples [*Ananas comosus*] [in Malaysia]]. Kejadian patah tangkai pada nanas Moris. (Malay). Ramlah Mohammad; Ahmad Hussin Ali (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Buah-buahan). Ill. **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)**. ISSN 0127-1458. (1986). v. 8(3) p. 9. Received May 1987. ANANAS COMOSUS; FRUIT; PLANT DISEASE MANIFESTATIONS; MALAYSIA.

MY8705461

A sudden dieback of cocoa [*Theobroma cacao*] caused by *Botryodiplodia theobromae*. (En). Ang, B.B. (Harrison Malaysian Plantation Bhd, Kajang, Selangor (Malaysia). Prang Besar Research Station); Lim, T.K.; Tee, S.K. 2 graphs; 8 plates; 6 ref. Summary (En). **Planter (Malaysia)**. ISSN 0126-575X. (Jun 1987). v. 63(735) p. 228-234. Received Jun 1987. THEOBROMA CACAO; BOTRYODIPLODIA; PLANTATIONS; PENINSULAR MALAYSIA.

MY8782158

Control of pepper weevils [*Piper nigrum*; *Lophobaris piperis*; Sarawak]. (En, Malay). Department of Agriculture, Kuching, Sarawak (Malaysia). English. ed. Also in Malay. Malay ed.: Mengawal kumbang lada. **Farmers' Bulletin (Malaysia)**. (May 1987). (no. 266) p. 1. Received Jul. 1987. PIPER NIGRUM; COLEOPTERA; CULTURAL CONTROL; SARAWAK.

MY8782129

[Effects of viral diseases on tomato [*Lycopersicon esculentum*] [in Malaysia]]. Kesan-kesan penyakit virusterhadap tomato (Malay). Johari Sarip (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Buah-buahan). Ill. **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)**. ISSN 0127-1458. (1986). v. 8(3) p. 20. Received May 1987. LYCOPERSICON ESCULENTUM; TOBACCO MOSAIC VIRUS; BLOTCHES; MALAYSIA.

MY8705431

[Evaluation of fungicides in controlling late blight disease, *Phytophthora* on tomato [*Lycopersicon esculen-*



tum] at Cameron Highlands [Peninsular Malaysia]]. Penilaian racun kulat bagi mengawal penyakit hawar *Phytophthora* tomato di Cameron Highlands. (Malay). Mohd Shukor Nordin; Abd Rahman A.R., Syed; Ahmad A. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Cameron Highlands, Pahang. Bahagian Penyelidikan Tanaman Pelbagai). 1 col. plate; 3 graphs; 1 table; 4 ref. Summaries (En, Malay). *Teknologi Sayur-Sayuran (Malaysia)*. ISSN 0127-7960. (Feb 1986). v. 2 p. 61-64. Received May 1987. LYCOPER-SICON ESCULENTUM; PHYTOPHTHORA; BLIGHTS; PENINSULAR MALAYSIA.

MY8705433

Yield potential of blast-infected seedlings of rice [*Oryza sativa*] [in Peninsular Malaysia]. (En). Supaad Mohd Amin (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Seberang Perai, Pulau Pinang. Bahagian Penyelidikan Padi). 3 graphs; 1 table; 1 ref. Summaries (En, Malay). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709. (Aug 1986). v. 14(2) p. 98-100. Received May 1987. ORYZA SATIVA; BLIGHTS; PYRICULARIA ORYZAE; PENINSULAR MALAYSIA.

MY8705555

Fusarium rot of Calamus manan plantlets derived from tissue culture [in Peninsular Malaysia]. (En). Maziah Zakaria (Institut Penyelidikan Perhutanan Malaysia, Kepong, Selangor). 2 ill. *RIC Bulletin - Forest Research Inst. (Malaysia)*. ISSN 0127-2365. (Sep 1986). v. 5(3) p. 7-8. Received Sep. 1987. CALAMUS; FUSARIUM OXYSPORUM; WILTS; PENINSULAR MALAYSIA.

MY8705466

Cocoa husk borer discovered in Malaysia [Sarawak]. (En). Asean Plant Quarantine Centre and Training Inst., Serdang, Selangor (Malaysia). 2 col. plates. *PLANTI News (Malaysia)*. (Aug 1986). v. 5(2) p. 4, 5. Received Jun 1987. THEOBROMA CACAO; CRYPTO-PHLEBIA; SARAWAK.

MY8705470

Psyllids threaten *Leucaena* [Philippines]. (En). Asean Plant Quarantine Centre and Training Inst., Serdang, Selangor (Malaysia). 1 col. plate. *PLANTI News (Malaysia)*. (Dec 1986). v. 5(3) p. 14. Received Jun 1987. LEUCAENA LEUCOCEPHALA; QUARANTINE; ?HETEROPSYLLA; PHILIPPINES.

MY8782142

['Internal rots' diseases in mango cultivar Harumanis [in Peninsular Malaysia]]. Penyakit 'reput dalam mangga' jenis Harumanis. (Malay). Ahmad Tarmizi Sapii; Abd Malek Maamum, Tengku; Pauziah Muda (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Buah-buahan). III. *Berita Penyelidikan - Institut*

*Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(3) p. 31. Received May 1987. MANGIFERA INDICA; ROTS; FRUITS; PENINSULAR MALAYSIA.

#### H50: Pelbagai penyakit tumbuhan

MY8705436

Effect of flooding on vegetative and reproductive growth of groundnut [*Arachis hypogaea*] [in Peninsular Malaysia]. (En). Zaharah H. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai). III., 1 table; 6 ref. Summaries (En, Malay). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709. (Aug 1986). v. 14(2) p. 112-118. Received May 1987. ARACHIS HYPOGAEA; FLOODING; PENINSULAR MALAYSIA.

MY8705429

Deficiency symptoms of boron, manganese and iron in spinach [*Amaranthus viridis*]. (En). Vimala, P. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Kelang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai); Kho, B.L. 10 col. plates; 1 ill.; 6 ref. Summaries (En, Malay). *Teknologi Sayur-Sayuran (Malaysia)*. ISSN 0127-7960. (Feb 1986). v. 2 p. 49-55. Received May 1987. AMARANTHUS; TRACE ELEMENT DEFICIENCIES; BORON; MALAYSIA.

MY8705427

Major nutrient deficiency symptoms of long bean [*Vigna unguiculata sesquipedalis*] and French bean [*Phaseolus vulgaris*]. (En). Vimala, P. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Kelang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai); Brinkman, C. Rosmin, K. 13 col. plates; 6 ref. Summaries (En, Malay). *Teknologi Sayur-Sayuran (Malaysia)*. ISSN 0127-7960. (Feb 1986). v. 2 p. 35-43. Received May 1987. VIGNA UNGUICULATA SESQUIPEDALIS; PHASEOLUS VULGARIS; DEFICIENCY DISEASES; MALAYSIA.

#### H60: Rumpai dan pengawalan rumpai

MY8782110

[Weed management concept]. Konsep pengawalan rumpai. (Malay). Lee, S.A. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Buah-buahan). III. *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(3) p. 2, 3. Received May 1987. \*; WEEDING; HERBICIDES; BIOLOGICAL; CONTROL; MALAYSIA

## **J: TEKNOLOGI LEPAS TUAI**

### **J11: Pengawasan, pengangkutan, storan dan perlindungan hasil tumbuhan**

MY8782135

[Handling systems for quality control of fruits]. Sistem pengendalian untuk mengawal mutu buah. (Malay). Abdul Shukor Abdul Rahman; Mohd Salleh Punan (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Teknologi Makanan). **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)**. ISSN 0127-1458. (1986). v. 8(3) p. 25. Received May 1987. \*; TROPICAL FRUITS; POSTHARVEST SYSTEMS; POSTHARVEST CONTROL; CONTROL ATMOSPHERE STORAGE.

MY8705439

Storage study of pineapple (*Ananas comosus* cv. Sarawak) with special emphasis on black heart disorder [in Malaysia]. (En). Abdullah H.; Rohaya M.A.; Zaipun, M.Z. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Teknologi Makanan). 7 graphs; 22 ref. Summaries (En, Malay). **MARDI Research Bulletin (Malaysia)**. ISSN 0126-5709. (Aug 1986). v. 14(2) p. 132-138. Received May 1987. ANANAS COMOSUS; STORAGE LOSSES; ASCORBIC ACID; MALAYSIA.

MY8782139

[Storage problems for dried cocoa [*Theobroma cacao*] beans [in Peninsular Malaysia]]. Masalah penyimpanan biji koko kering. (Malay). Kamariah Long (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Koko/Kelapa). Ill. **Berita Penyelidikan Koko/Kelapa**. Ill. **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)**. ISSN 0127-1458. (1986). v. 8(3) p. 28. Received May 1987. THEOBROMA CACAO; ASPERGILLUS; DRIED PRODUCTS; PENINSULAR MALAYSIA.

MY8705469

Some pests and stored product mites of the Philippines. (En). Asean Plant Quarantine Centre and Training Inst., Serdang, Selangor (Malaysia). **PLANTI News (Malaysia)**. (Aug 1986). v. 5(2) p. 12, 13. Received Jun 1987. \*; ACARUS; TYROPHAGUS; PHILIPPINES.

### **J12: Pengawasan, pengangkutan, storan dan perlindungan hasil hutan**

MY8705502

The status of wood preservation, prospects for development and the need for legislation for more efficient treatment and utilization of timber in Malaysia. (En). Hong, L.T.; Daljeet-Singh, K. (Forest Research Inst.,

Kepong, Selangor (Malaysia)). Ill., 4 tables; 38 ref. Summary (En). **Malaysian Forester (Malaysia)**. ISSN 0302-2935. (1985). v. 48(1) p. 13-30. Received Jul. 1987. WOOD PRESERVATIVES; WOOD PRESERVATION; LEGISLATION; MALAYSIA.

## **K: PERHUTANAN**

### **K10: Pengeluaran perhutanan**

MY8705505

Determining on economic cutting regime for the tropical rainforest. (En). Mohd Shahwahid Bin Haji Othman (Pertanian Malaysia Univ., Serdang, Selangor. Fakulti Ekonomi Sumber dan Perniagaantani). 7 tables; 6 ref. Summary (En). Appendices. **Malaysian Forester (Malaysia)**. ISSN 0302-2935. (1985). v. 48(1) p. 57-74. Received Jul. 1987. \*; FOREST MANAGEMENT; MONETARY POLICIES; TROPICAL RAIN FORESTS; MALAYSIA.

MY8705501

Privatization in the forestry sector: Opportunities, problems and implications [Malaysia]. (En). Ismail Muhd Salleh; Abd Rauf Salim. 2 ref. Appendices. **Malaysian Forester (Malaysia)**. ISSN 0302-2935. (1985). v. 48(1) p. 1-12. Received Jul. 1987. \*; PRIVATE OWNERSHIP; FOREST RESOURCES; FORESTRY POLICIES; MALAYSIA.

MY8705539

The productivity and growth after logging of a typical hill dipterocarp forest in Peninsular Malaysia. (En). Borhan Bin Mohamad (Institut Penyelidikan Perhutanan Malaysia, Kepong, Selangor). Kepong, Selangor (Malaysia). Institut Penyelidikan Perhutanan. Jul 1986. Ill.; 6 tables; 4 ref. FRIM Reports (Malaysia). no. 48. \*; DIPTEROCARPACEAE; HIGHLAND; PENINSULAR MALAYSIA.

### **K50: Pemprosesan hasil hutan**

MY8705517

An assessment of the strength of finger joints in Mersawa [*Anisoptera laevis*] and Keruing [*Dipterocarpus cornutus*]. (En). Sim, H.C. (Institut Penyelidikan Perhutanan Malaysia, Kepong, Selangor). Ill.; 1 table; 5 ref. Summary (En). **Malaysian Forester (Malaysia)**. ISSN 0302-2935. (1985). v. 48(2) p. 187-192. Received Jul. 1987. ANISOPTERA; DIPTEROCARPUS; ADHESIVES; FURNITURE MAKING.

MY8705516

Studies on Malaysian timbers for plywood manufacture: preliminary trial on keruing kerut (*Dipterocarpus sublamellatus*). (En). Wong, C.N. (Institut Penyelidikan Perhutanan Malaysia, Kepong, Selangor). 9 tables; 8 ref. Summary (En). **Malaysian Forester (Malaysia)**. ISSN 0302-2935. (1985). v.

48(2) p. 175-186. Received Jul. 1987. PLYWOOD; DIPTEROCARPUS; RESINS; MALAYSIA.

MY8705547

Pulp and paper industry and research in Peninsular Malaysia. (En). Peh, T.B.; Khoo, K.C.; Lee, T.W.; Mohd Nor Md Yusuff. Kepong, Selangor (Malaysia). Forest Research Inst. Malaysia. Nov 1986. 131 p. Ill.; 8 tables; 21 ref. Malayan Forest Records - Forest Research Inst. Malaysia (Malaysia). no. 31. Received Sep 1987. PULP; PAPER; PAPER INDUSTRY; PENINSULAR MALAYSIA.

MY8705531

Petai [Parkia; Peninsular Malaysia]. Wood utilization. (En). Malaysian Timber Industry Board, Kuala Lumpur. *Maskayu (Malaysia)*. ISSN 0126-771X. (May 1987). v. 5 p.9 Received Aug. 1987. PARKIA; HARDWOOD; PLANT ANATOMY; PENINSULAR MALAYSIA.

MY8705473

Wood utilization: Penaga [Mesua ferrea; Malaysia]. (En). Malaysian Timber Industry Board, Kuala Lumpur. *Maskayu (Malaysia)*. ISSN 0126-771X. (Mar 1987). v. 3 p. 8. Received Jul. 1987. \*; GUTTIFERAE; HARDWOOD; MALAYSIA.

MY8705511

Stem form of Kapur (Dryobalanops aromatica Gaertn.f.) with special reference to its potential as a round-pole for overhead power transmission lines. (En). Afzal-Afa, M. (Institut Penyelidikan Perhutanan Malaysia, Kepong, Selangor). 4 tables; 8 ref. Summary (En). Appendices. *Malaysian Forester (Malaysia)*. ISSN 0302-2935. (1985). v. 48(2) p. 137-147. Received Jul. 1987. DRYOBALANOPS; POLES; STANDARDS; PENINSULAR MALAYSIA.

MY8705510

Particle board from the trunks of oil palm (Elaeis guineensis). (En). Chew, L.T.; Ong, C.L. (Institut Penyelidikan Perhutanan Malaysia, Kepong, Selangor. Forest Products Research). 5 tables; 6 ref. Summary (En). *Malaysian Forester (Malaysia)*. ISSN 0302-2935. (1985). v. 48(2) p. 130-136. Received Jul. 1987. ELAEIS GUINEENSIS; RESINS; PARTICLE BOARDS; PENINSULAR MALAYSIA.

MY8705512

Calorific value of some Malaysian timbers. (En). Ser, C.S.; Tan, Y.E. (Institut Penyelidikan Perhutanan Malaysia, Kepong, Selangor). Ill.; 2 tables; 2 ref. Summary (En). *Malaysian Forester (Malaysia)*. ISSN 0302-2935. (1985). v. 48(2) p. 148-153. Received Jul. 1987. WOOD; CALORIFIC VALUE; STATISTICAL ANALYSIS; MALAYSIA.

MY8705513

Natural durability of some Malaysian timbers by stake tests. (En). Mohd Dahlan Jantan; Tam, M.K. (Institut Penyelidikan Perhutanan Malaysia, Kepong, Selangor). 1 table; 2 ref. Summary (En). *Malaysian Forester (Malaysia)*. ISSN 0302-2935. (1985). v. 48(2) p. 154-159. Received Jul. 1987. WOOD; LONGEVITY; TERMITES; MALAYSIA.

MY8705476

Wood utilization: Nemesu [Shorea pauciflora; Malaysia]. (En). Malaysian Timber Industry Board, Kuala Lumpur. *Maskayu (Malaysia)*. ISSN 0126-771X. (Apr 1987). v. 4 p.7. Received Jul. 1987. SHOREA; WOOD ANATOMY; MALAYSIA.

MY8705509

The pulping and papermaking quality of export woodchips from Sarawak peat swamp forest resources. (En). Chin, W.J.; Phillips, F.H.; Logan, A.F. (CSIRO Div. of Chemical and Wood Technology, Clayton, Victoria (Australia)); Salleh L.; Lim, N. Ill.; 12 tables; 3 ref. Summary (En). *Malaysian Forester (Malaysia)*. ISSN 0302-2935. (1985). v. 48(2) p. 101-129. Received Jul. 1987. WOOD CHIPS; PEAT SOILS; SWAMPS; SARAWAK.

MY8705515

Fire propagation tests on some commercial wood-based panels. (En). Abdul Rashid Bin Abdul Malik (Institut Penyelidikan Perhutanan Malaysia, Kepong, Selangor). Ill.; 2 tables; 5 ref. Summary (En). *Malaysian Forester (Malaysia)*. ISSN 0302-2935. (1985). v. 48(2) p. 168-174. Received Jul. 1987. PARTICLE BOARDS; FIRES; STANDARDS; MALAYSIA.

MY8705514

A comparative study on the gluing properties of rubberwood, mengkulang [Heritiera spp.], kapur (Dryobalanops) and keruing [Dipterocarpus spp.] species. (En). Mohd Shukari Midon; Chew, L.T.; Lopez, D.T. (Institut Penyelidikan Perhutanan, Kepong, Selangor). Ill.; 7 tables; 3 ref. Summary (En). *Malaysian Forester (Malaysia)*. ISSN 0302-2935. (1985). v. 48(2) p. 160-167. Received Jul. 1987. HEVEA BRASILIENSIS; DRYOBALANOPS; DIPTEROCARPUS; ADHESIVES.

L: SAINS PETERNAKAN, PENGELUARAN DAN PERLINDUNGAN

L01: Peternakan

MY8782147

Facelift for plantations [in Malaysia]. Plantation industry. (En). Mudali, D. *Investors Digest (Malaysia)*. ISSN 0127-546. (May 1987). p. 10. Received Jul. 1987. CALVES; FEEDS; PLANTATIONS; MALAYSIA.

MY8705452

Understanding the draught buffalo [Sabah]. (En). Kehoe, M.M.; Chan, L.C. 6 ref. **Planter (Malaysia)**. ISSN 0126-575X. (Apr 1987). v. 63(733) p. 137-142. Received Jun 1987. WATER BUFFALOES; OIL PALMS; USES; SABAH.

MY8705526

[Modern dairy cattle management]. Pengurusan moden lembu tenusu. (Malay). Davis, R.F. Kuala Lumpur (Malaysia). Dewan Bahasa dan Pustaka. 1987. 355 p. DAIRY CATTLE; FARM MANAGEMENT; BREEDING.

#### L02: Makanan ternakan

MY8705522

Animal feeds in Western Europe - A huge market for fats. (En). Pantzaris, T.P. 8 tables. **Palm Oil Developments (Malaysia)**. Palm Oil Research Institute Malaysia, Palm Oil Developments. ISSN 0127-3329. (Jan 1987). (no. 6) p. 3-7. FATS; OILS; FEEDS; NETHERLANDS.

#### L10: Genetik dan pembiakbaikan ternakan

MY8705495

Comparison of two diluents for freezing semen of local and F1 goats [Malaysia]. (En). Mukherjee, T.K.; Nelson, E.A. (Malaya Univ., Kuala Lumpur (Malaysia). Department of Genetics and Cellular Biology). 1 table; 2 ref. Summaries (En, Malay). **Pertanika (Malaysia)**. ISSN 0126-6128. (Apr 1987). v. 10(1) p. 113-116. Received Jun. 1987. GOATS; SEMEN; CITRIC ACID; MALAYSIA.

MY8782140

[Crossbreeding between Hereford x Kedah-Kelantan's cow at the Felda [Federal Land Development Authority; Malaysia] palm oils schemes]. Lembu kacukan Hereford x Kedah-Kelantan di Rancangan Kelapa Sawit Felda. (Malay). Shamsuddin bin Abu Bakar (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Ternakan). **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)**. ISSN 0127-1458. (1986). v. 8(3) p. 29. Received May 1987. COWS; CROSSBREEDING; ELAEIS GUINEENSIS; BODY MEASUREMENTS; ARTIFICIAL INSEMINATION; MALAYSIA.

#### L60: Taksonomi dan geografi haiwan

MY8705477

Perithelphusa lehi sp. nov., a new species of highland freshwater crab from Sarawak, Borneo (Crustacea Decapoda, Brachyura, Parathelphusidae). (En). Ng, P.K.L. (National Univ. of Singapore. Department of

Zoology). 2 plates; 1 ill.; 4 ref. **Sarawak Museum Journal (Malaysia)**. ISSN 0375-3050. (Dec 1986). v. 36(57) p. 291-295. CRABS; FRESHWATER; SARAWAK.

#### L70: Sains veterinar dan kesihatan

MY8705494

Granulomatous staphylococcal mastitis (Botryomyco-tis) in a local Indian dairy cross cow [Malaysia]. (En). Omar Abdul Rahman, Sheikh; Too, H. (Pertanian Malaysia Univ., Serdang, Selangor. Dept. of Veterinary Pathology and Microbiology). Serdang, Selangor. April 1987. ill; 4 ref. Summaries (En, Malay). **Pertanika (Malaysia)**. ISSN 0126-6128. (Apr 1987). v. 10(1) p. 111-112. Received Jun. 1987. COWS; MASTITIS; STAPHYLOCOCCUS; MALAYSIA.

MY8705493

Bacterial isolates from dogs with ear infection (En). Mohd Shah Abdul Majid; Basri Kasim (Pertanian Malaysia Univ., Serdang, Selangor. Jabatan Patologi Mikrobiologi Veterinar). 1 table; 11 ref. Summaries (En, Malay). **Pertanika (Malaysia)**. ISSN 0126-6128. (Apr 1987). v. 10(1) p. 107-109. Received Jun. 1987. DOGS; EAR DISEASES; STAPHYLOCOCCUS AUREUS; PENINSULAR MALAYSIA.

#### L72: Perosak haiwan

MY8705528

[Introduction to parasitologi: protozoa and helminth in human]. Parasitologi asas : protozoa dan helmin manusia. (Malay). Arbain Kadri (Kebangsaan Malaysia Univ., Bangi, Selangor). Kuala Lumpur (Malaysia). Dewan Bahasa dan Pustaka. 1987. 124 p. Bibliography p. 117m. \*; PARASITOLOGY; PROTOZOA; HELMINTHS.

#### L73: Penyakit-penyakit haiwan

MY8782157

Pollorum disease in poultry. (En, Malay). Department of Agriculture, Kuching, Sarawak (Malaysia). English. ed. Also in Malay. Malay. ed.: Penyakit berak kapur. **Farmers' Bulletin (Malaysia)**. (May 1987). (no. 266) p. 1, 3-4. Received Jul. 1987. CHICKENS; SALMONELLA; POLLORUM DISEASE; SARAWAK.

MY8705486

Rumen bacteria and fungi of cattle and buffaloes. (En). Norhani bte Abdullah (Pertanian Malaysia Univ., Serdang, Selangor. Department of Biochemistry and Microbiology). ill.; 3 tables; 21 ref. Summaries (En, Malay). **Pertanika (Malaysia)**. ISSN 0126-6128. (Apr 1987). v. 10(1) p. 49-52. Received Jun. 1987. CATTLE; BUFFALOES; BACTERIA; MALAYSIA.

**L74: Pelbagai penyakit haiwan**

MY8705543

Deleterious effects of *Brachiaria decumbens* (signal grass) on ruminants [in Malaysia]. (En). Abas Mazni O.; Sharif H. Serdang, Selangor (Malaysia). *MARDI*. Sep 1986. 20 p. Ill.; 8 color plates; 55 ref. Summaries (En, Malay). *MARDI Report (Malaysia)*. no. 112. Received Sep 1987. GOATS; SHEEP; BRACHIARA DECUMBENS; MALAYSIA.

MY8782132

[Mineral deficiencies in ruminants livestock]. Kekurangan zat galian pada ternakan ruminan. (Malay). Wong, H.K.; Wan Zahari Mohamed (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Ternakan). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(3) p. 22. Received May 1987. SHEEP; RUMINANTS; MINERAL DEFICIENCIES; ANIMAL DISEASE SYMPTOMS.

MY8705444

Some physiological responses of imported dorset sheep as observed in the shade. (En). S. Abdul Wahid. 4 tables; 21 ref. Summaries (En, Malay). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709. (Aug 1986). v. 14(2) p. 164-168. Received May 1987. SHEEP; BODY TEMPERATURE; BLOOD CIRCULATION; MALAYSIA.

MY8705445

Effect of fibre and protein levels on growth and carcass characteristics of pigs. (En). Ong, H.K.; Hutagalung, R.H. 5 tables; 25 ref. Summaries (En, Malay). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709. (Aug 1986). v. 14(2) p. 170-177. Received May 1987. FIBRES; PROTEINS; PERFORMANCE; CARCASSES; SWINE; MALAYSIA.

**M: PERIKANAN DAN AKUAKULTUR**

**M12: Pengeluaran dan pengurusan akuakultur**

MY8782108

[Catfish farming project in Felda [Federal Land Development Authority] Bukit Tangga [Peninsular Malaysia]]. Projek ternakan ikan kali di Felda Bukit Tangga. (Malay). Anon. 2 tables. *Peneroka (Malaysia)*. ISSN 0126-6349. (1987). v. 19(3) p. 11-12, 22. Received Jun 1987. FRESHWATER CATFISH; FISH PONDS; FISH LARVAE; MALAYSIA.

MY8705530

Biology of fishes. Biologi ikan. (Malay). Bond,

C.E. (Oregon State Univ., Corvallis, Oregon (USA)). Kuala Lumpur (Malaysia). Dewan Bahasa dan Pustaka. 1987. 512. p. Translation: Biology of fishes. \*; FISHES; FISHERY BIOLOGY.

**M40: Ekologi akuatik**

MY8705480

Sepat - Malaysian gouramis. (En). Tan, H.K.; Ng, P.K.L.; Ng, H.P. Ill. *Nature Malaysiana (Malaysia)*. ISSN 0126-5318. (Jan 1987). v. 12(1) p. 20-23. Received Jul. 1987. \*; FRESHWATER FISHES; FINS; RICE; MALAYSIA.

MY8705432

The coral reefs of the Bodgaya Islands (Sabah: Malaysia) and Pulau Sipadan, 5: Fishes. (En). Wood, C.R.; Wood, E.M. 10 tables; 23 ref. Summary (En). *Malayan Nature Journal (Malaysia)*. ISSN 0025-1291. (Feb-May 1987). v. 40(3-4) p. 285-310. Received May 1987. \*; FISHES; CORAL REEFS; SABAH.

MY8705478

Turtle tagging and international tag returns for Sabah, East Malaysia [*Chelonia mydas*]. (En). De Silva, G.S. (Sabah Parks, Sandakan (Malaysia)). 2 plates; 1 ill.; 7 ref. Summary (En). *Sarawak Museum Journal (Malaysia)*. ISSN 0375-3050. (Dec 1986). v. 36(57) p. 263-271. CHELONIA; ERETMOCHELYS; IDENTIFICATION; SABAH.

MY8705497

Mangrove algae. (En). Wee, Y.C. (National Univ. of Singapore. Department of Botany). 1 ill.; 1 table; 64 ref. *Wallaceana (Malaysia)*. ISSN 0216-8236. (Dec 1986). v. 46 p. 13-16. Received Jul. 1987. \*; ALGAE; MANGROVES.

MY8705479

The sea turtles of Malaysia. (En). Chan, E.H. Ill. *Nature Malaysiana (Malaysia)*. ISSN 0126-5318. (Jan 1987). v. 12(1) p. 4-9. Received Jul 1987. TURTLES; DERMOCHELYS; CHELONIA; MALAYSIA.

**N: JENTERA DAN KEJURUTERAAN PERTANIAN**

**N20: Jentera dan peralatan pertanian**

MY8705542

Adaptation of a pulling machine for stump extraction on peat [in Malaysia]. (En). Ooi, H.S. Serdang, Selangor (Malaysia). *MARDI*. Sep 1986. 9 p. Ill.; 2 tables; 4 ref. Summaries (En, Malay). Appendixes. *MARDI Report (Malaysia)*. no. 113. Received Sep. 1987. \*; STUMP REMOVAL; CULTIVATORS; PEAT SOILS; MALAYSIA.

MY8705544

Potential of modified porter P6-121 in pineapple estate [in Malaysia]. (En). Ooi, H.S.; Hamdan A.M. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Makmal Penyelidikan Pusat). Serdang, Selangor (Malaysia). MARDI. Sep 1986. 8 p. 4 plates; 2 tables; 8 ref. Summaries (En, Malay), Appendixes. MARDI Report (Malaysia). no. 111. Received Sep 1987. \*; TRANSPORT; PEAT SOIL; PLANTATIONS; MALAYSIA.

MY8705545

Performance of modified Kubota Carrier RC20P and Porter P6-121 on peat soil [in Malaysia]. (En). Ooi, H.S. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Makmal Penyelidikan Pusat). Serdang, Selangor (Malaysia). MARDI. Sep 1986. 8 p. 7 plate; 8 tables; 2 ref. Summaries (En, Malay). Appendixes. MARDI Report (Malaysia). no. 110. Received Sep. 1987. \*; TRANSPORT; PEAT SOIL; MACHINERY; MALAYSIA.

MY8782114

[Controlled pressure sprayer for weeds]. Alat penyempur tekanan terkawal untuk rumpai. (Malay). Ooi, H.S. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Makmal Penyelidikan Pusat). Ill. *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(3) p. 6. Received May 1987. \*; SPRAYERS; WEED CONTROL.

#### **P: SUMBER ALAM DAN SEKITARAN**

**P01: Pemuliharaan alam dan sumber tanah**

MY8705496

Environmental impacts of (de)forestation in the humid tropics: a watershed perspective. (En). Bruijnzeel, P.S. (Free Univ., Amsterdam (Netherlands). Department of Hydrogeology and Geographical Hydrology). Ill.; 3 tables; 114 ref. *Wallaceana (Malaysia)*. ISSN 0216-8236. (Dec 1986). v. 46 p. p. 3-13. Received Jul. 1987. \*; TROPICAL RAIN FORESTS; CLIMATE; WATERSHEDS; DEFORESTATION.

**P06: Pembaharuan sumber tenaga**

MY8705520

Potential biomass energy from palm oil industry. (En). Ma, A.N.; Ong, A.S.H. Ill.; 5 tables; 13 ref., Summary (Malay). *PORIM Bulletin (Malaysia)*. Palm Oil Research Institute Malaysia Bulletin. ISSN 0127-0249. (May 1987). (no. 14) p. 10-15. PALM OILS; PALM-KERNEL OIL; OILS INDUSTRY.

**P33: Kimia dan fizik tanah**

MY8705485

Chemical changes in soils affected by the application of palm oil mill effluent. (En). Shamshuddin Jusop; Jamaliah I.; Mokhtaruddin Ab Manan (Pertanian Malaysia Univ., Serdang, Selangor. Jabatan Sains Tanah). 1 plate; 5 graphs; 2 tables; 11 ref. Summary (En, Malay). *Pertanika (Malaysia)*. ISSN 0126-6128. (Apr 1987). v. 10(1) p. 41-47. Received Jun. 1987. \*; PALM OILS; WASTES; FERTILIZER APPLICATION.

**P36: Hakisan, pemuliharaan dan penebusgunaan tanah**

MY8705481

The effects of height and frequency of previous defoliation on nodulation, nitrogen fixation and regrowth of phasey bean [*Macroptilium lathyroides*]. (En). Mohamad Othman, Wan (Pertanian Malaysia Univ., Serdang, Selangor. Jabatan Agronomi dan Kulturakebunan). 5 ill., 1 table; 14 ref. Summary (En, Malay). *Pertanika (Malaysia)*. ISSN 0126-6128. (Apr 1987). v. 10(1) p. 1-10. Received Jun. 1987. *MACROPTILIUM LATHYROIDES*; NITROGEN FIXATION; CUTTING.

#### **Q: PEMROSESAN HASIL PERTANIAN**

**Q01: Sains dan teknologi makanan**

MY8782156

R and D: ways with local fruits [Malaysia]. Fruits Focus. (En). Waran, K.P. *Malaysian Business (Malaysia)*. ISSN 0126-5504. 1 Jul 1987. p. 42. Received Jul 1987. \*; TROPICAL FRUITS; RESEARCH INSTITUTIONS; CANNED FRUITS; MALAYSIA.

**Q02: Pemprosesan dan pengawetan makanan**

MY8782141

[Product from less popular fruits [in Malaysia]]. Produk dari buah-buahan yang kurang popular. (Malay). Che Rahani Zakaria (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Teknologi Makanan). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(3) p. 30, 31. Received May 1987. \*; TAMARINDUS INDICA; MANGIFERA; AVERRHOA BILIMBI; MALAYSIA.

**Q03: Pencemaran dan toksikologi makanan**

MY8705538

Food-poisoning microorganisms in our foods. (En). Choo, T.K. (Institut Teknologi MARA, Shah Alam

(Malaysia). Kajian Sains Gunaan). Ill.; 1 table; 14 ref. Summary (Malay). **Ikhtisar (Malaysia)**. ISSN 0127-9092. (1987). v. 1(2) p. 39-47. Received Aug. 1987. \*; STAPHYLOCOCCUS AUREUS; BOTULISM; SALMONELLOSIS; VIBRIO.

#### Q04: Kandungan makanan

MY8782143

[Nutritive value of fresh fruits and tinned fruits]. Nilai-nilai pemakanan buah-buahan segar dan yang ditinkan. (Malay). Katijah Idris (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Teknologi Makanan). 2 tables. **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)**. ISSN 0127-1458. (1986). v. 8(3) p. 32. Received May 1987. \*; TROPICAL FRUITS; FRESH FRUITS; CANNED FRUITS; NUTRITIVE VALUE.

MY8782113

[The power to cure from garlic]. Daya penyembuh bawang putih. (Malay). Ding, T.H (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai). **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)**. ISSN 0127-1458. (1986). v. 8(3) p. 5. Received May 1987. ALLIUM SATIVUM; DRUG PLANTS; ANTIBIOTICS.

MY8705440

Protein and amino acid compositions of Malaysian vegetables. (En). Zanariah J.; Noor Rehan A.; Rosnah O. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Teknologi Makanan). 5 tables; 14 ref. Summaries (En, Malay). **MARDI Research Bulletin (Malaysia)**. ISSN 0126-5709. (Aug 1986). v. 14(2) p. 140-147. Received May 1987. BRASSICA CHINENSIS; CUCUMIS SATIVUS; DAUCUS CAROTA; MALAYSIA.

MY8705489

Determination of arsenic in cocoa [Theobroma cacao] beans by hydride generation with inductively coupled plasma atomic emission spectrometry. (En). Lee, C.K.; Low, K.S. (Pertanian Malaysia Univ., Serdang, Selangor. Jabatan Kimia). 4 tables; 9 ref. Summaries (En, Malay). **Pertanika (Malaysia)**. ISSN 0126-6128. (Apr 1987). v. 10(1) p. 69-73. Received Jun. 1987. THEOBROMA CACAO; ARSENIC; SPECTROMETRY; ASH CONTENT.

MY8705441

Quality of clove [Eugenia caryophyllus] bud and clove bud oil. Mat Isa A.; Nazarifah, I. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Teknologi Makanan). **MARDI Research Bulletin (Malaysia)**. ISSN 0126-5709. (Aug 1986). v.

14(2) p. 148-153. Received May 1987. EUGENIA CARYOPHYLLUS; PHENOLIC COMPOUNDS; BUDS; LIPID CONTENT.

MY8705527

[Nutrition metabolism]. Metabolisme pemakanan. (Malay). Mohamad Ishak Jaafar (Pertanian Malaysia Univ., Serdang, Selangor). Kuala Lumpur (Malaysia). Dewan Bahasa dan Pustaka. 1987. 369 p. Bibliography p. 363-366. Livestock nutrition series (Malaysia). \*; METABOLISM; NUTRITIONAL REQUIREMENTS.

MY8705521

Studies on cocoa butter replacer fats. (En). Kalanithi, N.; Ong, A.S.H. 3 tables. **Palm Oil Developments (Malaysia)**. Palm Oil Research Institute Malaysia, Palm Oil Developments. ISSN 0127-3329. (Jan 1987). (no. 6) p. 1-2. PALM OILS; CHOCOLATE; FATS; COCOA.

MY8705537

Determination of calcium content in Virginia-type peanuts [Arachis hypogaea]. (En). Halimahton Zahrah Mohamed Som (Institut Teknologi MARA, Shah Alam (Malaysia). Kajian Sains Gunaan). 3 tables; 16 ref. Summary (Malay). **Ikhtisar (Malaysia)**. ISSN 0127-9092. (1987). v. 1(2) p. 9-15. Received Aug. 1987. ARACHIS HYPOGAEA; CALCIUM; MINERAL CONTENT; USA.

MY8705487

Composition of mango seed kernel. (En). Augustin, M.A.; Ling, E.T. (Pertanian Malaysia Univ., Serdang, Selangor. Dept. of Food Science). 3 tables; 21 ref. Summary (En, Malay). **Pertanika (Malaysia)**. ISSN 0126-6128. (Apr 1987). v. 10(1) p. 53-59. Received Jun. 1987. MANGIFERA INDICA; FATTY ACIDS; AMINO ACIDS.

MY8705488

Some nutritional and anti-nutritional components in Jering (Pithecellobium jeringa), Keredas (Pithecellobium microcarpum) and Petai (Parkia speciosa). (En). Suhaila Mohamed; Mohamed Shamsuddin Abd Rahman; Sabturiyah Sulaiman; Fauziah Abdullah (Pertanian Malaysia Univ., Serdang, Selangor. Department of Food Science). 7 tables; 18 ref. Summary (En, Malay). **Pertanika (Malaysia)**. ISSN 0126-6128. (Apr 1987). v. 10(1) p. 61-68. Received Jun. 1987. PARKIA; PROTEIN; TANNINS; MALAYSIA.

#### Q60: Pemprosesan hasil pertanian yang bukan makanan manusia dan bukan makanan ternakan

MY8705519

Study on the utilisation of palm based products in candle making. (En). Ooi, T.L.; Ong, A.S.H.). 6 ill.; 2 tables;

Summary (Malay). **PORIM Bulletin (Malaysia)**. Palm Oil Research Institute Malaysia Bulletin. ISSN 0127-0249.(May 1987). (no. 14) p. 5-9. PALM OILS; OIL PRODUCTS; BYPRODUCTS.

**Q70: Pemrosesan sisa-sisa pertanian**

MY8782119

[Livestock wastes treatment]. Pengendalian najis ternakan. (Malay). Ong, H.K. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Ternakan). III. **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)**. ISSN 0127-1458. (1986). v. 8(3) p. 10. Received May 1987. \*; LIVE-STOCK; ANIMAL LITTER; METHANE PRODUCTION.

**S: PEMAKANAN MANUSIA**

**S30: Sajian makanan dan penyakit-penyakitnya**

MY8705416

Beneficial effects of palm oil on arterial thrombosis (rat) and atherosclerosis (rabbit). (En). Hornstra, G.; Hen-

nissen, A.A.H.M.; Tan, D.T.S.; Kalafusz, R. Institut Penyelidikan Minyak Kelapa Sawit Malaysia, Bangi, Selangor. Bangi, Selangor (Malaysia). IPMKSM. [1986]. 19 P. 12 ill.; 30 ref.; Summary (En). PALM OILS; RATS; RABBITS; LIPIDS.

**T: PENCEMARAN**

**T01: Pencemaran**

MY8705472

[Environment dilemma]. Perspektif persekitaran. (Malay). Ahmad Badri Mohamad. Petaling Jaya (Malaysia). Fajar Bakti Sdn. Bhd. 1987. 219 p. Bibliography p. 213-219. POLLUTION CONTROL; AIR POLLUTION; SOIL POLLUTION; WATER POLLUTION; ENVIRONMENTAL CONDITIONS.



# Istilah Perikanan Pilihan

Bahasa Inggeris - Bahasa Malaysia

## A

additional food	-	makanan tambahan
air dry soil	-	tanah kering udara
animal bedding	-	alas haiwan/bincah haiwan
animal manure	-	baja haiwan
animal residue	-	hampas haiwan/saki haiwan/baki haiwan
aquatic plant	-	tumbuhan aquatik
artificial fertilizer	-	baja buatan

## B

baby feed production	-	pengeluaran makanan bayi
bagworm	-	ulat bungkus
bare soil	-	tanah dedah
basal dressing	-	baja asas
blue green algae	-	alga biru hijau
bottom feeders	-	pemakanan bawah
broadcasting (fertilizer)	-	sebara-rata (membaja)
bulb	-	bebawang

## C

calcareous soil	-	tanah berkapur
chemical nature of soil	-	keadaan kimia tanah
circle weeding	-	merumput keliling
close-breeding	-	pembiakbaikan tertutup/ pembiakbaikan rapat
cluster bean	-	kacang jambak
commercial fertilizer	-	baja dagangan
complete fertilizer	-	baja dagangan lengkap; baja kimia lengkap
cover crop	-	tanaman tutup bumi

## D

density of soil	-	ketumpatan tanah
disc plough	-	bajak cakera/bajak piring
drill planting	-	menanam jalur

## E

emergent weed	-	rumpai timbul/rumpai tumbuh
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exhausted land	-	tanah usang
experimental plot	-	petak percubaan

## F

factor of soil formation	-	faktor pembentukan tanah
fallow land	-	tanah rang
farm manure	-	baja kandang
farming land	-	tanah ladang
feeding enclosure	-	keputusan makanan
fixation of nutrients	-	pengikatan zat makanan
floating weed	-	rumpai apung
frond pruning	-	mencantas pelepah

## G

gley soil	-	tanah glei
green algae	-	alga hijau
green manure	-	baja hijau
green pepper bug	-	kepinging lada hijau

## H

half-breed	-	anak peranakan; jenis kacuk
hard wood cutting	-	keratan kayu keras
hay	-	rumpai kering/jerami
horizon (soil)	-	horizon (tanah)

## I

inbreeding	-	pembiakbaikan ke dalam
insect pest	-	serangga perosak

## L

lawn grass	-	rumpai halaman
leaf cutting	-	keratan daun
loamy soil	-	tanah berloam
low fertility	-	kesuburan rendah/ kurang subur

## M

mixed fertilizer	-	baja campuran
monocropping	-	tanaman tunggal
muck soil	-	tanah limbah

## N

natural food	-	makanan semula jadi
nematode	-	nematod
nitrifying bacteria	-	bakteria penitratan
nitrogen-fixing bacteria	-	bakteria pengikat nitrogen

<b>O</b>		soil sterilization	-	pembasmian kuman tanah
outbreeding	-	spot planting	-	tanaman tompok
oven-dry soil	-	stock plant	-	tanaman baka
		storage root	-	akar kepuk/akar berubi
<b>P</b>		submerged weed	-	rumpai terpendam; rumpai tenggelam
particle (soil)	-	subsoiler	-	tanah pendalam/tanah pembawah
peaty soil	-	supplementary feeding	-	makanan tambahan
plant house	-			
plant tissue analysis	-	<b>T</b>		
puddled soil	-	top dressing	-	baja permukaan
puddling	-	top soil	-	tanah atas/bunga tanah
<b>R</b>		<b>U</b>		
reclaimed land	-	undulating land	-	tanah beralun
renewal bark	-			
repotting	-	<b>V</b>		
root band	-	vegetative propagation	-	pembiakan tampang
root cutting	-	vortex	-	vorteks
<b>S</b>		<b>W</b>		
saline soil	-	wasteland	-	tanah tandus
selective weedicide	-	white spot disease	-	penyakit tompok putih
soft wood cutting	-			
soil and foliar analysis	-			
soil particle	-			

## Pertukaran alamat

Jika anda telah bertukar alamat, harap beritahu kami butir-butir berikut:-

- (i) alamat baru
- (ii) alamat lama
- (iii) nombor senarai mel

## Kalendar Kongress Pertanian

Kalendar ini menyenaraikan seminar, konferens, simposium dan bengkel peringkat kebangsaan dan antarabangsa mengenai pertanian dan pekerja-pekerja berkaitan dengannya yang akan diadakan dari bulan Jun 1989 hingga bulan November 1989. Untuk melengkapkan lagi senarai ini, anda adalah dipelawa untuk melaporkan apa juga maklumat mengenai lain-lain seminar, konferens dan bengkel pertanian yang tidak termasuk di dalam senarai ini.

### Jun, 1989

Judul : Kursus Perlembahan Madu ke 13  
Tempat : Universiti Pertanian Malaysia  
Anjuran : UPM & IDRC

### Jun 20-22, 1989

Judul : PKDP Workshop : Modelling of Agriculture Sectors  
Tempat : Pusat Pengembangan & Pendidikan Lanjutan, U.P.M.  
Anjuran : Pusat Kajian Dasar Pertanian (PKDP), Fakulti Ekonomi & Pengurusan, U.P.M.

### Julai 3-8, 1989

Judul : Latex Concentrate Product and Introduction to Latex Product Manufacture (Kursus)  
Tempat : RRIM Training Centre, RRI Experimental Station Sungai Buloh, Selangor  
Anjuran : RRIM

### Ogos 20-23, 1989

Judul : Crop Protection and Weed Control (Kursus)  
Tempat : RRIM Training Centre, RRI Experimental Station Sungai Buloh, Selangor  
Anjuran : RRIM

### Ogos 21-23, 1989

Judul : Persidangan Penanam Getah (RGC 1989): Menjamin Produk yang tinggi  
Tempat : RRIM Training Centre, RRI Experimental Station Sungai Buloh, Selangor  
Anjuran : RRIM

### Ogos/September, 1989

Judul : Training course 'Water Quality and Water Resource Management'  
Tempat : Universiti Pertanian Malaysia  
Anjuran : UPM/Perancis

### September 5-9, 1989

Judul : 1989 PORIM International Palm Oil Development Conference  
Tempat : Hilton, Kuala Lumpur  
Anjuran : PORIM

### September 11-16, 1989

Judul : Introduction to Rubber Technology (Kursus)  
Tempat : RRIM Training Centre, RRI Experimental Station Sungai Buloh, Selangor  
Anjuran : RRIM

### September 25-30, 1989

Judul : Production of Conventional NR Grades (Kursus)  
Tempat : RRIM Training Centre, RRI Experimental Station Sungai Buloh, Selangor  
Anjuran : RRIM

### Oktober 23-28, 1989

Judul : Retreading of Car Tyres (Kursus)  
Tempat : RRIM Training Centre, RRI Experimental Station Sungai Buloh, Selangor  
Anjuran : RRIM

### November 13-18, 1989

Judul : Conductors (Kursus)  
Tempat : RRIM Training Centre, RRI Experimental Station Sungai Buloh, Selangor  
Anjuran : RRIM

November 20-25, 1989

Judul : Latex Concentrate Production  
Introduction to Latex Product Manufacture (Kursus)  
Tempat : RRIM Training Centre, RRI Experimental Station Sungai Buloh, Selangor  
Anjuran : RRIM

November, 1989

Judul : Kursus Perlembahan ke 14  
Tempat : Universiti Pertanian Malaysia  
Anjuran : UPM & IDRC

November, 1989

Judul : Pesticide Application Technology  
Tempat : Universiti Pertanian Malaysia  
Anjuran : UPM & MAPPS

November, 1989

Judul : Regional Conference on Engineering in Agriculture (Konferensi Serantau Mengenai Kejuruteraan Dalam Sektor Pertanian)  
Tempat : Pusat Pengembangan & Pendidikan Lanjutan, UPM  
Anjuran : UPM

November, 1989

Judul : Training course 'Monitoring of Domestic and Industrial Wastewater'  
Tempat : Universiti Pertanian Malaysia  
Anjuran : UPM/DOE

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## Pengumuman

### C. A. B. International - Malaysia Regional Office

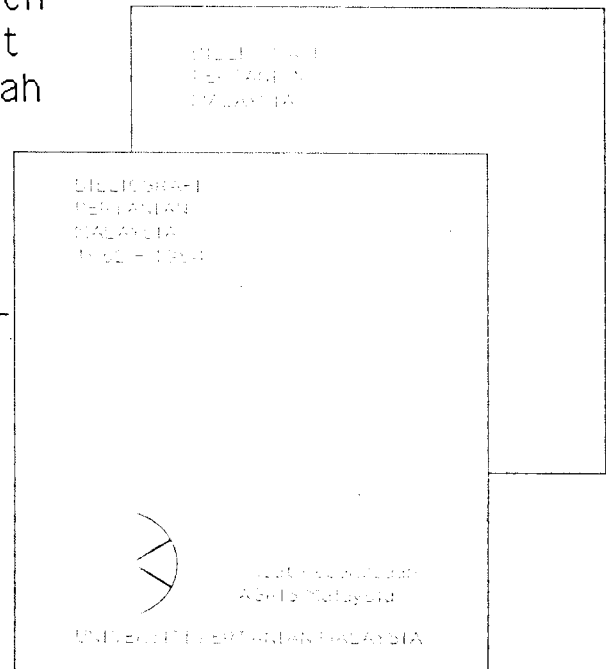
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	Judul	Harga
1.	Abstrak Buah-buahan Malaysia (Malaysian Fruit Abstracts) Nov. 1980	\$10.00
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3.	Asas Ekologi untuk Kegunaan Rasional Sumber Hutan di Asia Tenggara. (Ecological Basis for Rational Utilization of Forest Resources in Southeast Asia: A bibliography). 1982	\$ 5.00
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14.	Bibliography of Malaysian Soils, 1981	\$10.00
15.	Hasil-hasil Hutan Malaysia dan Kegunaannya: sebuah bibliografi. (Malaysian Forest Products & Their Utilization: a bibliography). Okt. 1979	Percuma
16.	Kerbau: sebuah bibliografi. (Buffalo: a bibliography). 1979	Percuma
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19.	Malaysian Animal Science Abstracts: 1975-1979. 1980	Percuma
20.	Orkid: Senarai Bahan-bahan dalam perpustakaan. (Orchid: List of Materials in the Library). Ogos 1980	Percuma
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