

# Maklumat Pertanian Malaysia

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## KANDUNGAN

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AGRICOLA: PANGKALAN DATA DARI NATIONAL AGRICULTURAL LIBRARY, AMERIKA SYARIKAT

### PENGENALAN

Pada zaman maklumat ini, terdapat beberapa pangkalan data yang boleh digunakan bagi tujuan mendapatkan senarai maklumat di dalam sesuatu bidang. Di dalam bidang pertanian terdapat tiga pangkalan data utama yang boleh digunakan melalui komputer. Pangkalan-pangkalan data tersebut adalah AGRICOLA (Agricultural Online Access), AGRIS (International Information System for Agricultural Science and Technology) and CABI

(Commonwealth Agricultural Bureaux International).

Di dalam Fokus keluaran ini, kita akan mendedahkan pembaca-pembaca kepada pangkalan data AGRICOLA, yang mana ia boleh diakses menggunakan perumah seperti DIALOG. Perkhidmatan ini boleh didapati di beberapa perpustakaan di Malaysia.

### APA ITU AGRICOLA

AGRICOLA adalah pangkalan data bibliografi yang mengandungi rekod-rekod bagi butiran penulisan di dalam bentuk makalah jurnal, monograf, teses, paten, perisian, bahan-bahan pandang-dengar dan laporan teknikal yang berkaitan dengan semua aspek bidang pertanian. Sebelum tahun 1984, AGRICOLA adalah indeks yang meliputi koleksi dokumen National Agricultural Library (NAL), Amerika Syarikat. Ia merupakan koleksi yang terbesar di dunia di dalam penulisan pertanian dengan berjumlah 1.8 juta jilid. Semenjak itu, skop AGRICOLA telah berkembang untuk meliputi bahan-bahan yang tidak terdapat di dalam koleksi NAL. Untuk bahan-bahan tersebut, perpustakaan yang mempunyai naskhah itu akan dikenalpasti. Kakitangan NAL dan pihak yang bekerjasama dengannya meneliti lebih kurang 5,000 judul jurnal yang diperolehi untuk diinput ke dalam pangkalan datanya.

AGRICOLA telah didapati di dalam bentuk pita magnetik sejak tahun 1970. Jumlah rekod yang terdapat sekarang adalah sebanyak 2.5 juta.

AGRICOLA merangkumi perkara-perkara di dalam bidang pertanian sama ada secara terus atau yang berkaitan dengan pertanian dan sains hayat:

### TERAS

Pertanian (Am)  
Temakan Haiwan & Hal Ehwalnya  
Akuakultur

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 perminataan. 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 Ariffin  
Pengarang-pengarang: Badillah Saad; Hawa Abdul Majid; Asliah Abu  
Penyunting: Jama yah Zakaria

Bioteknologi  
 Botani  
 Ekologi  
 Ekonomi Pertanian  
 Kejuruteraan Pertanian  
 Entomologi  
 Sains Alam Sekitar  
 Pengurusan Ladang  
 Perusahaan dan Pemprosesan Makanan Haiwan  
 Kewangan Pertanian  
 Perusahaan dan Pemprosesan Makanan  
 Perhutanan  
 Sejarah Pertanian  
 Ekonomi Rumahtangga  
 Pekebunan  
 Ekologi Manusia  
 Pengurusan  
 Pemakanan  
 Parasitologi  
 Sains Tumbuhan  
 Sosiologi Desa  
 Sains Tanah  
 Perubatan Veterinar

#### Bidang berkaitan

Biologi  
 Kimia  
 Pemuliharaan  
 Sitologi  
 Tenaga  
 Hidrologi  
 Landskap  
 Mikrobiologi  
 Persekitaran Semulajadi  
 Fisiologi  
 Pencemaran  
 Kesihatan Awam  
 Cuaca  
 Hidupan Liar  
 Zoologi

#### Bidang-bidang Lain

Sains Komputer  
 Geografi  
 Geologi  
 Sains Informasi  
 Perundangan  
 Perusahaan  
 Fizik  
 Pengangkutan

#### SUBFAIL-SUBFAIL

Selain dari rekod-rekod monograf, makalah jurnal dan jalanbicara konferen yang disediakan oleh NAL, AGRICOLA juga mengandungi beberapa subfail yang khusus:

AGE: Subfail AG-ECON menganalisa dokumen dari USDA Economic Research Service, pilihan dari penerbitan ekonomi Agricultural Experiment Stations, dan syarikat koperasi ladang-ladang di Amerika Syarikat dan Kanada. Ia mengandungi ringkasan dan deskriptor.

FNC: Food and Nutrition Information Centre. Bahan-bahan bercetak dan pandang-dengar pilihan diindeks (menggunakan tesaurus CAB) dan diabstrak. Penekanan utama adalah yang berkaitan penyelidikan dan pendidikan pemakanan manusia dan semua aspek pemakanan terseluruh yang ditujukan ke perkhidmatan sekolah di Amerika Syarikat.

#### PENYIASATAN MENGGUNAKAN AGRICOLA

AGRICOLA mempunyai beberapa pendekatan yang boleh digunakan untuk akses. Satu daripadanya adalah dengan menyiasat setiap perkataan yang terkandung di dalam judul monograf dan makalah jurnal. Sejak tahun 1970 hingga tahun 1984 tambahan kepada perkataan dan konsep yang terdapat di 55 peratus daripada judul makalah jurnal dijalankan bagi memperkayakan judul-judul itu dengan perkataan dan seterusnya memberikan makna yang lebih jelas bagi tujuan dapat kembali (retrieval). Di masa itu juga, subfail FNC menggunakan peristilahan khusus untuk pengindeksan rekod-rekod. Pada Januari 1985 kerja-kerja di atas dihentikan dan deskriptor dari tesaurus CAB (yang dikemaskini oleh CABI dan NAL) ditambah kepada butiran makalah jurnal. Sebagai tambahan juga, perkataan yang boleh diakses yang tidak didapati di dalam tesaurus yang dikenali sebagai identifiers mula digunakan. Pendekatan lain yang boleh digunakan di dalam penyiasatan adalah:

Pengarang-pengarang  
 dan selembaga  
 Kod-kod kategori  
 Tarikh keluaran jurnal  
 Judul jurnal atau ringkasan judul-judul  
 Bahasa teks  
 Kod-kod sumber  
 Judul perkara  
 Perkataan-perkataan pengindeksan

Sebagai tambahan, bahan-bahan yang dikatalog atau diindeks di beberapa subfail mengandungi abstrak yang boleh disiasat seperti subfail AGE.

#### Contoh Rekod Dialog

File 10:AGRICOLA - 1979-87/DEC  
 11/3/18 (Item 1 from file: 10)  
 86046830 85061882 Holding Library: AGL  
 Residue status of monocrotophos in coconut water  
 injected by stem injection technique  
 Patel, R.K.; Shah, A.H.; Jhala, R.C.  
 Gujarat Agricultural University research journal. Jan

1985. v. 10 (2) p.16-22. Ahmedabad, India : The University. CODEN: GAUJD  
DNAL CALL NO: S539.I4G8  
Language: English

7/3/28 (Item 1 from file: 10)  
81026410 80081274 Holding Library: AGL  
Utilization of sago (palm, Metroxylon) starch (for beer, fiber, paper and food industries).  
Ito, T.; Arai, Y.; Hisazima, S.  
Nettai nogyo. = Japanese journal of tropical agriculture.  
v. 23 (3) ,  
Oct 1979. p. 148-156. ill.  
Tokyo, , Nettai Nogyo Gakkai.  
NAL: SB111.A2N43

#### HASIL-HASIL SAMPINGAN AGRICOLA

Berikut adalah contoh penerbitan yang diambil daripada pangkalan data AGRICOLA:

Bibliography of Agriculture (bulanan)

Agricultural Journal Titles and Abbreviations

Food and Nutrition Quarterly Index

Food and Nutrition Bibliography

#### MAKLUMAT TAMBAHAN

Perpustakaan Universiti Pertanian Malaysia merupakan salah satu daripada perpustakaan yang memberikan perkhidmatan pencarian maklumat dalam talian dari perumah DIALOG. Segala pertanyaan boleh dibuat melalui:

Ketua Bahagian  
Bahagian Penerangan & Perkhidmatan Lanjutan  
Perpustakaan  
Universiti Pertanian Malaysia  
43400 UPM Serdang  
Tel: 9486101-10 samb. 1321, 1322

## 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 PERTANIAN MALAYSIA

Bibliografi ini mengandungi bahan-bahan terbitan mengenai pertanian Malaysia yang telah diindeks dari Disember 1986 - Februari 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 AGRIASIA.

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

Kod	Perkara
<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 employment)
E13	- Pelaburan, kewangan dan kredit (Investment, 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 danedaran (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 pembiakan 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)

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

XB8705005

Tay, E.B. (Jabatan Pertanian, Kota Kinabalu, Sabah (Malaysia)); Fung, Y.L. Research and cultivation of coffee [Coffea] and tea [Camellia sinensis] in Sabah. (En). Seminar Penyelidikan Tanaman Rempah dan Minuman. Kluang, Johor (Malaysia) 23-24 Jan 1985. Kluang, Johor (Malaysia). 1985. 11 leaves. 3 tables. \*Library, Universiti Pertanian Malaysia. Received Jan. 1987. COFFEA; CAMELLIA SINENSIS; FARM AREA; SABAH/ EXPERIMENTS

XB8705010

Zaidah Idris; Abdul Shukor Abdul Rahman (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Teknologi Makanan). Research activities and progress related to postharvest handling and processing of beverages [Coffea; Camellia sinensis] and spices [Piper nigrum] [in Malaysia]. (En). Seminar Penyelidikan Tanaman Rempah dan Minuman. Kluang, Johor (Malaysia) 23-24 Jan 1985. Kluang, Johor (Malaysia). 1985. 32 p. Ill.; 8 tables; 19 ref. \* Library, Universiti Pertanian Malaysia. Received Jan. 1987. COFFEA; CAMELLIA SINENSIS; PIPER NIGRUM; MALAYSIA/ PROCESSING; RESEARCH; POST-HARVEST SYSTEMS

XB8705008

Mohd Said Saad (Universiti Pertanian Malaysia, Kuching, Sarawak. Cawangan Sarawak); Ahmad Husni Mohd Hanif. [Research on pepper (Piper nigrum L.) in UPM [Universiti Pertanian Malaysia]] Penyelidikan lada (Piper nigrum L.) di UPM. (Malay). Seminar Penyelidikan Tanaman Rempah dan Minuman. Kluang, Johor (Malaysia) 23-24 Jan 1985. Kluang, Johor (Malaysia). 1985. 11 leaves. 7 ref. \* Library, Universiti Pertanian Malaysia. Received Jan. 1987. PIPER NIGRUM; PHYTO-PHTHORA; DISEASE RESISTANCE; MALAYSIA/ UNIVERSITIES; RESEARCH

XB8705006

Jabatan Pertanian, Kuching Sarawak (Malaysia). Research and cultivation of pepper [Piper nigrum], tea [Camellia sinensis] and coffee [Coffea] in Sarawak. (En). Seminar Penyelidikan Tanaman Rempah dan Minuman. Kluang, Johor (Malaysia) 23-24 Jan 1985. Kluang, Johor (Malaysia). 1985. 39 leaves. 5 tables; 43 ref. Appendices. \*Library, Universiti Pertanian Malaysia. Received Jan. 1987. PIPER NIGRUM; CAMELLIA SINENSIS; COFFEA; SARAWAK/ PLANTING; RESEARCH; HISTORY

XB8705007

Saharan Haji Anang (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai). [Activities and research de-

velopment of spice and beverage crops by MARDI [Malaysian Agricultural Research and Development Institute]] Kegiatan dan kemajuan penyelidikan tanaman rempah dan minuman oleh MARDI sehingga masa kini. (Malay). Seminar Penyelidikan Tanaman Rempah dan Minuman. Kluang, Johor (Malaysia) 23-24 Jan 1985. Kluang, Johor (Malaysia). 1985. 11 leaves. \* Library, Universiti Pertanian Malaysia. Received Jan. 1987. PIPER NIGRUM; COFFEA; CAMELLIA SINENSIS; MALAYSIA/ RESEARCH INSTITUTIONS; CULTIVATION

**B: GEOGRAFI DAN SEJARAH**

**B50: Sejarah**

XB8705039

Sivalingam, G. The fishing economy of Malaysia, technology, organization or production and income distribution in 1955-1975. (En). Journal of the Malaysian Branch of the Royal Asiatic Society. ISSN 0126-7353. (1986). v. 59(pt. 2) p. 51-80.\*; FISHING OPERATIONS; FISHING INDUSTRY; TECHNOLOGY; MALAYSIA/ INCOME DISTRIBUTION

XB8705004

Deanna Sivaram Jabatan Pertanian, Kuala Lumpur (Malaysia). The department of Agriculture's experience in the planting of coffee, tea, clove and pepper [Peninsular Malaysia]. (En). Seminar Penyelidikan Tanaman Rempah dan Minuman. Kluang, Johor (Malaysia) 23-24 Jan 1985. Kluang, Johor (Malaysia). 1985. 11 leaves. 6 ref. \*Library, Universiti Pertanian Malaysia. Received Jan. 1987. CAMELLIA SINENSIS; COFFEA; PIPER NIGRUM; PENINSULAR MALAYSIA/EUGENIA CARYOPHYLLUS; PLANTING

XB8705005

Tay, E.B. (Jabatan Pertanian, Kota Kinabalu, Sabah (Malaysia)); Fung, Y.L. Research and cultivation of coffee [Coffea] and tea [Camellia sinensis] in Sabah. (En). Seminar Penyelidikan Tanaman Rempah dan Minuman. Kluang, Johor (Malaysia) 23-24 Jan 1985. Kluang, Johor (Malaysia). 1985. 11 leaves. 3 tables. \*Library, Universiti Pertanian Malaysia. Received Jan. 1987. COFFEA; CAMELLIA SINENSIS; FARM AREA; SABAH/ EXPERIMENTS

XB8705006

Jabatan Pertanian, Kuching Sarawak (Malaysia). Research and cultivation of pepper [Piper nigrum], tea [Camellia sinensis] and coffee [Coffea] in Sarawak. (En). Seminar Penyelidikan Tanaman Rempah dan Minuman. Kluang, Johor (Malaysia) 23-24 Jan 1985. Kluang, Johor (Malaysia). 1985. 39 leaves. 5 tables; 43 ref. Appendices. \*Library, Universiti Pertanian Malaysia. Received Jan. 1987. PIPER NIGRUM; CAMELLIA SINENSIS; COFFEA; SARAWAK/ PLANTING; RESEARCH; HISTORY

**C: PENDIDIKAN, PENGEMBANGAN DAN  
MAKLUMAT NASIHAT**

**C10: Pendidikan**

XB8705014

Rahimah Ismail, Wan. [Entrepreneur training programma at the Food Technology Division [Malaysia]. Program latihan usahawan Bahagian Teknologi Makanan. (Malay). *Teknologi Makanan (Malaysia)*. ISSN 0127-4117. (Apr 1986). v. 5(1) p. 8-11.\*; AGROINDUSTRIAL SECTOR; TRAINING COURSES; RESEARCH INSTITUTION; MALAYSIA/ ADVISORY OFFICERS

**C20: Pengembangan**

XB8705015

Abu Bakar Husin. Services provided by the Reference Laboratory and Certification Unit of the Food Technology Division of MARDI [Malaysian Agricultural and Research Institute] to the food industry. (En). *Teknologi Makanan (Malaysia)*. ISSN 0127-4117. (Apr 1986). v. 5(1) p. 12-15.\*; FOOD TECHNOLOGY; CHEMICAL ANALYSIS; RESEARCH INSTITUTION; MALAYSIA/ LABORATORY EQUIPMENT; EXTENSION ACTIVITIES

XB8782035

Pillai, P. Serdang park: meeting of science and industry [Peninsular Malaysia]. (En). *Malaysian Business (Malaysia)*. ISSN 0126-5504. (16 Jan 1987). p. 22-24.\*; TECHNOLOGY; INNOVATION ADOPTION; INDUSTRY; PENINSULAR MALAYSIA

XB8782053

Turiman Suandi (Universiti Pertanian Malaysia, Serdang, Selangor. Jabatan Pendidikan Pengembangan). [Commitment towards extension service]. Komitmen dalam kerja pengembangan. (Malay). *Majalah Pengembangan (Malaysia)*. ISSN 0126-5032. (Mar 1986). v. 9(1) p. 1-7.\*; EXTENSION ACTIVITIES; ADVISORY OFFICERS

XB8705013

Othman Hassan. [The extension services program of the MARDI [Malaysian Agriculture and Research Institute] Food Technology Division]. Program khidmat pengembangan Bahagian Teknologi Makanan MARDI. (Malay). *Teknologi Makanan (Malaysia)*. ISSN 0127-4117. (Apr 1986). v. 5(1) p. 1-7.\*; FOOD TECHNOLOGY; TECHNOLOGY TRANSFER; RESEARCH INSTITUTIONS; MALAYSIA/ EXTENSION ACTIVITIES

**D: PENTADBIRAN  
DAN PERUNDANGAN**

**D50: Perundangan**

XB8705017

Zahara Merican. [The Food Regulations 1985 and its effect on the food industries [in Malaysia]]. Peraturan Makanan 1985 dan kesannya pada industri makanan. (Malay). *Teknologi Makanan (Malaysia)*. ISSN 0127-4117. (Apr 1986). v. 5(1) p. 22-30.\*; FOOD INDUSTRIES; REGULATIONS; MALAYSIA/ LAWS; SAMPLING; PRODUCT LABELLING; STANDARDS

XB8782056

Mohd Yusof Hussein (Universiti Pertanian Malaysia, Serdang, Selangor. Jabatan Perlindungan Tumbuhan). [Pesticide Act and chemicals [Malaysia]]. Akta Racun Perosak dan bahan kimia. (Malay). *Majalah Pengembangan (Malaysia)*. ISSN 0126-5032. (Mar 1986). v. 9(1) p. 27-36.\*; PESTICIDES; LAWS; TOXICITY; MALAYSIA

XB8705040

ASEAN Plant Quarantine Centre and Training Inst., Serdang, Selangor (Malaysia). Irradiation in plant quarantine. (En). *PLANTI News (Malaysia)*. (Apr 1986). v. 5(1) p. 1, 6.\*; QUARANTINE; IRRADIATION; IMPORTS; ASEAN

**E: EKONOMI, PEMBANGUNAN  
DAN SOSIOLOGI DESA**

**E10: Ekonomi dan polisi pertanian**

XB8782046

Soh, E.L. Food production: Towards greater self-sufficiency. (En). *Malaysian Business (Malaysia)*. ISSN 0126-5504. (16 Feb 1987). p. 51-54.\*; AGRICULTURAL POLICIES; INTERNATIONAL TRADE; LOANS; MALAYSIA/ FARM AREA; PRODUCTION

XB8605834

Pepper Marketing Board, Kuching, Sarawak (Malaysia). Sarawak pepper exports in April, May and June 1986. (En). *Warta Pasaran Lada (Malaysia)*. ISSN 0126-5903. (Jul-Sep 1986). v. 15(3) p. 16-20. PIPER NIGRUM; EXPORTS; PRICES; SARAWAK

XB8605835

Pepper Marketing Board, Kuching, Sarawak (Malaysia). Review of Sarawak pepper exports for January-June 1985 and 1986. (En). *Warta Pasaran Lada (Malaysia)*. ISSN 0126-5903. (Jul-Sep 1986). v. 15(3) p. 21-24. PIPER NIGRUM; EXPORTS; PRICES; SARAWAK

**E11: Ekonomi dan polisi tanah**

XB8705047

National land code (act 56 of 1965) [Malaysia]. (En).



ISBN 967-9960-69-2. Kuala Lumpur (Malaysia). International Law Book Services. 1985. 407 p.\*; LAND; LAND TAX; LAND DEVELOPMENT; MALAYSIA

XB8705048

Strata titles act, 1985 (Act 318). (En). ISBN 967-9960-89-7. Kuala Lumpur (Malaysia). International Law Book Services. 1985. 81 p.\*; LAND; LAND TAX; LAND DEVELOPMENT; MALAYSIA

XB8705046

Sulong Mohamad. [Felda's resettlement: Town and country planning perspective]. Petempatan Felda : Perspektif perancangan bandar dan desa. (Malay). Kuala Lumpur (Malaysia). Dewan Bahasa dan Pustaka. 1985. 194 p. Ill.; Bibliography p. 167-174.\*; RURAL SETTLEMENT; PLANNING; RURAL-URBAN RELATIONS

#### **E12: Buruh dan pekerjaan**

XB8782041

Lee, E. Plantation workers: Estate jobs for the picking. (En). *Malaysian Business* (Malaysia). ISSN 0126-5504. (16 Feb 1987). p. 16.\*; PLANTATIONS; LABOUR MOBILITY; HIRED LABOUR; MALAYSIA

XB8782042

Soh, E.L. Worker-owned housing: Rooting for an ideal. (En). *Malaysian Business* (Malaysia). ISSN 0126-5504. (16 Feb 1987). p. 17-19.\*; LABOUR; HOUSING; RURAL-URBAN MIGRATIONS; MALAYSIA

XB8705011

Ayob Bin Sukra; Abdullah Hashim (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Makmal Penyelidikan Pusat). [Prospects and mechanization potential in tea [*Camellia sinensis*] towards overcoming problems related to the shortage of labour [in Malaysia]] Prospek dan potensi mekanisasi dalam tanaman teh bagi mengatasi masalah kekurangan tenaga buruh. (Malay). Seminar Penyelidikan Tanaman Rempah dan Minuman. Kluang, Johor (Malaysia) 23-24 Jan 1985. Kluang, Johor (Malaysia). 1985. 10 p. 1 table; 6 ref. Summaries (En, Malay). \* Library, Universiti Pertanian Malaysia. Received Jan. 1987.\*; MECHANIZATION; TEA INDUSTRY; LABOUR; MALAYSIA/CUTTING; PRUNING

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

XB8705047

National land code (act 56 of 1965) [Malaysia]. (En). ISBN 967-9960-69-2. Kuala Lumpur (Malaysia). International Law Book Services. 1985. 407 p.\*; LAND; LAND TAX; LAND DEVELOPMENT; MALAYSIA

XB8705048

Strata titles act, 1985 (Act 318). (En). ISBN 967-9960-

89-7. Kuala Lumpur (Malaysia). International Law Book Services. 1985. 81 p.\*; LAND; LAND TAX; LAND DEVELOPMENT; MALAYSIA

XB8705075

Zulkifly Haji Mustapha (Universiti Kebangsaan Malaysia, Bangi, Selangor. Fakulti Sains Pembangunan). Growth and development in the agricultural sector of Sabah: Trends and potentials. (En). *Sumber* (Malaysia). ISSN 0127-8037. (Dec 1985). (no. 1) p. 67-95.\*; AGRICULTURAL DEVELOPMENT; INCOME DISTRIBUTION; INVESTMENT; SABAH/ FARM AREA; POVERTY

XB8705012

Ariff Ahmad, Tengku (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Kajian Tekno-Ekonomi dan Sosial); Mohd Khairol Mohd Ariff. [Status and potential of beverage and spice crops in Malaysia] Status dan potensi tanaman minuman dan rempah di Malaysia. (Malay). Seminar Penyelidikan Tanaman Rempah dan Minuman. Kluang, Johor (Malaysia) 23-24 Jan 1985. Kluang, Johor (Malaysia). 1985. 52 leaves. Ill.; 19 tables; Appendices. \* Library, Universiti Pertanian Malaysia. Received Jan 1987. COFFEA; CAMELLIA SINENSIS; PIPER NIGRUM; EUGENIA CARYOPHYLLUS; MALAYSIA/ FARM AREA; INTERNATIONAL TRADE; SUPPLY BALANCE; PRICES

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

XB8705039

Sivalingam, G. The fishing economy of Malaysia, technology, organization or production and income distribution in 1955-1975. (En). *Journal of the Malaysian Branch of the Royal Asiatic Society*. ISSN 0126-7353. (1986). v. 59(pt. 2) p. 51-80.\*; FISHING OPERATIONS; FISHING INDUSTRY; TECHNOLOGY; MALAYSIA/ INCOME DISTRIBUTION

XB8705046

Sulong Mohamad. [Felda's resettlement: Town and country planning perspective]. Petempatan Felda : Perspektif perancangan bandar dan desa. (Malay). Kuala Lumpur (Malaysia). Dewan Bahasa dan Pustaka. 1985. 194 p. Ill.; Bibliography p. 167-174.\*; RURAL SETTLEMENT; PLANNING; RURAL-URBAN RELATIONS

XB8705049

Santhiapillai, J.R. Availability and cost competitiveness of palm oil and palm kernel oil in non-food uses. (En). *Palm Oil Developments* (Malaysia). ISSN 0127 3329. (Jun 1986). (no. 5) p. 1-6. PALM OILS; PALM-KERNEL OIL/ MARKET COMPETITION; PRICES

XB8705050

Holla, K.S.; Dharmarajan, H. Palm oil in the Indian indus-

try. (En). **Palm Oil Developments (Malaysia)**. ISSN 0127-3329. (Jun 1986). (no. 5) p. 7-16. PALM OILS; INDIA/ OILS INDUSTRY

XB8705079

Ng, Y.T.; Abdul Rahman Ismail, Ku. Institut Penyelidikan Getah Malaysia, Kuala Lumpur. Progress in SMR [Standard Malaysian Rubber] production. (En). **Planters' Bulletin - Rubber Research Institute of Malaysia (Malaysia)**. ISSN 0032-096X. (Sep 1986). (no. 188) p. 86-90. RUBBER; OWNERSHIP; GRADING; MALAYSIA/ PRODUCTION; MARKET COMPETITION

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

XB8782043

Ngam, S.M. Coffee: Cashing in on coffee [Malaysia]. (En). **Malaysian Business (Malaysia)**. ISSN 0126-5504. (16 Feb 1987). p. 38-39. COFFEE; PRODUCTION; CONSUMPTION; MALAYSIA/ COMMERCIAL FARMING

XB8782044

Ngam, S.M. Study trip: Lessons from Thai farmers [on coffee farming]. (En). **Malaysian Business (Malaysia)**. ISSN 0126-5504. (16 Feb 1987). p. 39-41. COFFEE; PLANTATIONS; SEASONAL LABOUR; MALAYSIA/ THAILAND

XB8682201

Vasanthi, R. Market share: Competing in the world market [Rubber]. (En). **Malaysian Business (Malaysia)**. ISSN 0126-5504. (16 Dec 1986). p. 19, 67. RUBBER; TYRES; MALAYSIA/ INDUSTRY; INTERNATIONAL TRADE

**E21: Industri pertanian**

XB8782001

Ibrahim Daud, Wan (Kementerian Pertanian, Kuala Lumpur (Malaysia). Bahagian Ekonomi Pertanian). [Prospects and investment incentives in agricultural related industries [in Malaysia]] Peluang-peluang dan galakan pelaburan dalam industri berasaskan pertanian. (Malay). Seminar Peluang-Peluang Mempelbagaikan Bidang Perniagaan Selaras dengan keadaan Ekonomi Semasa. Kuala Lumpur (Malaysia) 6-7 Aug 1986. Kuala Lumpur (Malaysia). 1986. 37 leaves. 10 ref. Appendix. \*Library, Universiti Pertanian Malaysia. Received Jan. 1987.\*; INVESTMENT; PRIVATE OWNERSHIP; AGROINDUSTRIAL SECTOR; MALAYSIA

XB8705111

Shamsher Mohamad; Annuar Mohd Nasir. Universiti Pertanian Malaysia, Serdang, Selangor. Jabatan Pengajian Pengurusan Future of agro-based industry in Sarawak. (En). Staff Paper - Department of Management Studies

(Malaysia). no. 7. Serdang, Selangor (Malaysia). 1986. 21 p. 3 tables; 15 ref. Summary (En). \*Library, Universiti Pertanian Malaysia.\*; AGROINDUSTRIAL SECTOR; CAPITAL; MANAGERS; SARAWAK

XB8782033

Magesvaran, M. Gold Coin (Malaysia) Bhd [a feedmiller company]: good prospects in the long-term. (En). **Malaysian Business (Malaysia)**. ISSN 0126-5504. 1 Feb 1987. p. 53-54.\*; FEED INDUSTRY; FIRMS; POULTRY; MALAYSIA/ DIVERSIFICATION; PROFIT

XB8782051

Lee, E. Pesticides: spare no effort on safety. (En). **Malaysian Business (Malaysia)**. ISSN 0126-5504. (16 Feb 1987). p. 64-67.\*; PESTICIDES; DEMAND; SAFETY; MALAYSIA/ PESTICIDE INDUSTRY; LEGISLATION; TOXICITY

XB8705095

Fadillah Yakin (Lembaga Kemajuan Perindustrian Malaysia, Kuala Lumpur. Bahagian Industri Sumber-Sumber Asli). Policies and development strategies for the wood-based industry (WBI) [in Malaysia] under the Industrial Master Plan. (En). **Warta Perdagangan Kayu (Malaysia)**. ISSN 0302-5802. (1986). v. 15(4) p. 12-15.\*; WOOD INDUSTRY; STRUCTURAL POLICIES; INDUSTRIAL DEVELOPMENT; MALAYSIA

XB8705096

Baharuddin Haji Ghazali (Lembaga Perindustrian Kayu Malaysia, Kuala Lumpur). Developing the timber industry: can the IMP [Industrial Master Plan Malaysia] help?. (En). **Warta Perdagangan Kayu (Malaysia)**. ISSN 0302-5802. (1986). v. 15(4) 15-19.\*; WOOD INDUSTRY; INDUSTRIAL DEVELOPMENT; MALAYSIA

XB8782047

Veronica Poopathy. Fertilizers: Richer soils for better yield. (En). **Malaysian Business (Malaysia)**. ISSN 0126-5504. (16 Feb 1987). p. 54, 56, 57, 58, 59.\*; FERTILIZERS; DEMAND; MALAYSIA/ FERTILIZER INDUSTRY

XB8782048

Veronica Poopathy. Urea: push for urea use. (En). **Malaysian Business (Malaysia)**. ISSN 0126-5504. (16 Feb 1987). p. 58, 59.\*; UREA; SALES PROMOTION; MALAYSIA/ FERTILIZER INDUSTRY

XB8782002

Adinan Husin (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Teknologi Makanan). [Processing of agricultural commodities and the role of MARDI [Malaysian Agricultural Research and Development Institute] in the development of local food industry] Pemprosesan barangan pertanian dan peranan MARDI dalam pembangunan industri makanan tempatan Seminar Peluang-Peluang Mempelbagaikan Bidang Per-

niagaan Selaras dengan keadaan Ekonomi Semasa. Kuala Lumpur (Malaysia) 6-7 Aug 1986. Kuala Lumpur (Malaysia). 1986. 36 leaves. Appendix \*Library, Universiti Pertanian Malaysia. Received Jan. 1987.\*; FOOD INDUSTRIES; FOOD TECHNOLOGY; RESEARCH INSTITUTIONS; MALAYSIA

XB8705101

Malaysian Timber Industry Board, Kuala Lumpur. Rattan industry to the fore [Malaysia]. (En). *Maskayu (Malaysia)*. ISSN 0126-771X. (Dec 1986). v. 12 p. 1, 16. CANES; FURNITURE MAKING; MALAYSIA/ INDUSTRY

XB8705083

Malaysian Timber Industry Board, Kuala Lumpur. The Italian furniture industry and prospects for Malaysian timber. (En). *Maskayu (Malaysia)*. ISSN 0126-771X. (Nov 1986). v. 11 p. 5. FURNITURE; FURNITURE MAKING; ITALY; MALAYSIA/ INTERNATIONAL TRADE; WOOD

XB8605837

Jayasuriya, S.K. (Australian National University, Canberra (Australia). Research School of Pacific Studies); Barlow, C. Effects of industrial protection and exchange rate policies on a traditional export crop sector: a study of the Sri Lankan rubber industry, 1950-80. (En). *Journal of Natural Rubber Research (Malaysia)*. ISSN 0127-7065. (Sep 1986). v. 1(3) p. 145-154. HEVEA BRASILENSIS; RUBBER; INDUSTRY; SRI LANKA/ ECONOMIC PLANTS; EXPORTS; IMPORTS; TAXES; TRADE POLICIES; INVESTMENT

XB8705089

Malaysian Timber Industry Board, Kuala Lumpur. Developing a winner from rubberwood [Hevea brasiliensis]. (En). *Warta Perdagangan Kayu (Malaysia)*. ISSN 0302-5802. (1985). v. 14(2) p. 2. HEVEA BRASILIENSIS; SAWNWOOD; USES; QUALITY CONTROLS/ WOOD INDUSTRY

XB8682199

Vasanthi, R. Rubber industry: What it takes to be no [number] 1 [Malaysia]. (En). *Malaysian Business (Malaysia)*. ISSN 0126-5504. (16 Dec 1986). p. 14-16. RUBBER; TYRES; INDUSTRY; MALAYSIA/ INTERNATIONAL TRADE

XB8705093

Malaysian Timber Industry Board, Kuala Lumpur. Industrial survey: Rubberwood utilization - some views from the industry. (En). *Warta Perdagangan Kayu (Malaysia)*. ISSN 0302-5802. (1985). v. 14(2) p. 13-22. WOOD; HEVEA BRASILIENSIS; USES; MALAYSIA/ WOOD INDUSTRY; FURNITURE

XB8782036

Ho, S.B. Rabbit farming: revenue from rabbits [Malaysia]. (En). *Malaysian Business (Malaysia)*. ISSN 0126-5504. (16 Jan 1987). p. 28. RABBITS; MEAT INDUSTRY; MARKETS; MALAYSIA

#### E51: Penduduk desa

XB8705002

Mashhor Mansor. Population ecology. *Ekologi Populasi (Malay)*. Pulau Pinang (Malaysia). Universiti Sains Malaysia. 1986. 83 p. Bibliography p. 83.\*; POPULATION STRUCTURE; ECOLOGY

#### E70: Niaga, pemasaran dan edaran

XB8705017

Zahara Merican. [The Food Regulations 1985 and its effect on the food industries [in Malaysia]]. *Peraturan Makanan 1985 dan kesannya pada industri makanan (Malay)*. *Teknologi Makanan (Malaysia)*. ISSN 0127-4117. (Apr 1986). v. 5(1) p. 22-30.\*; FOOD INDUSTRIES; REGULATIONS; MALAYSIA/ LAWS; SAMPLING; PRODUCT LABELLING; STANDARDS

XB8705003

Chong, L.C. Institute of Strategic and International Studies, Kuala Lumpur (Malaysia). Fostering trade through deregulation and consumer emancipation. (En). ISBN 967-947-027-X. Kuala Lumpur (Malaysia). Institute of Strategic and International Studies. 1986. 18 p. Bibliography p. 17-18.\*; CONSUMER COOPERATIVES; MARKETING POLICIES; MARKETING; TRADE

XB8782034

Anon. KLCE [Kuala Lumpur Commodity Exchange]: heading for the roof [Futures trading in Malaysia]. (En). *Malaysian Business (Malaysia)*. ISSN 0126-5504. 1 Feb 1987. p. 69-70. PALM OILS; FUTURE TRADING; PRICES; MALAYSIA/ CONSUMER EXPENDITURE

XB8705065

Fatimah Mohd Arshad (Universiti Pertanian Malaysia, Serdang, Selangor. Jabatan Ekonomi Pertanian); Roslan Abdul Ghaffar. Crude palm oil price forecasting: Box-Jenkins approach. (En). *Pertanika (Malaysia)*. ISSN 0126-6128. (Dec 1986). v. 9(3) p. 359-367. PALM OILS; FORECASTING; PRICES; MODELS

XB8705053

Institut Penyelidikan Minyak Kelapa Sawit Malaysia, Bangi, Selangor. Statistical summary (of palm oil). (En). *Palm Oil Developments (Malaysia)*. ISSN 0127-3329. (Jun 1986). (no. 5) p. 17-21. PALM OILS; EXPORTS; PRICES/ STATISTICAL ANALYSIS; PRODUCTION

XB8605831

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ber 1986. (En). **Warta Pasaran Lada (Malaysia)**. ISSN 0126-5903. (Jul-Sep 1986). v. 15(3) p. 5-10. PIPER NIGRUM; PRICES; SINGAPORE; MALAYSIA

XB8605832

Pepper Marketing Board, Kuching, Sarawak (Malaysia). Tables on monthly and weekly average pepper [Piper nigrum] prices. (En). **Warta Pasaran Lada (Malaysia)**. ISSN 0126-5903. (Jul-Sep 1986). v. 15(3) p. 11-14. PIPER NIGRUM; PRICES; SINGAPORE; MALAYSIA

XB8605833

Pepper Marketing Board, Kuching, Sarawak (Malaysia). Black pepper prices in New York for July-September 1986 [Piper nigrum]. (En). **Warta Pasaran Lada (Malaysia)**. ISSN 0126-5903. (Jul-Sep 1986). v. 15(3) p. 15. PIPER NIGRUM; PRICES; NEW YORK

XB8605830

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XB8605836

Pepper Marketing Board, Kuching, Sarawak (Malaysia). Sarawak pepper certified for grades in July-September 1986 [Piper nigrum]. (En). **Warta Pasaran Lada (Malaysia)**. ISSN 0126-5903. (Jul-Sep 1986). v. 15(3) p. 25. PIPER NIGRUM; GRADING; SARAWAK

XB8782040

Soh, E.L.; Magesvaran, M.; Jayasankaran, S. Plantation sector: Hope for recovery [of commodity prices in Malaysia]. (En). **Malaysian Business (Malaysia)**. ISSN 0126-5504. (16 Feb 1987). p. 9. RUBBER; OIL PALMS; PLANTATIONS; MALAYSIA/ PRICES; COCOA

XB8705079

Ng, Y.T.; Abdul Rahman Ismail, Ku. Institut Penyelidikan Getah Malaysia, Kuala Lumpur. Progress in SMR [Standard Malaysian Rubber] production. (En). **Planters' Bulletin - Rubber Research Institute of Malaysia (Malaysia)**. ISSN 0032-096X. (Sep 1986). (no. 188) p. 86-90. RUBBER; OWNERSHIP; GRADING; MALAYSIA/ PRODUCTION; MARKET COMPETITION

XB8705097

Malaysian Rubber Research and Development Board, Kuala Lumpur. Production [of rubber in the third quarter of 1986]. (En). **Malaysian Rubber Review (Malaysia)**. ISSN 0127-2969. (Jan 1987). v. 7 (Fourth Quarter) p. 3-6. RUBBER; PRODUCTION

XB8705098

Malaysian Rubber Research and Development Board,

Kuala Lumpur. Consumption [of rubber in the second quarter of 1986]. (En). **Malaysian Rubber Review (Malaysia)**. ISSN 0127-2969. (Jan 1987). v. 7 (Fourth Quarter) p. 7-22. RUBBER; DEMAND; USES

XB8705099

Malaysian Rubber Research and Development Board, Kuala Lumpur. Market [of rubber in the fourth quarter of 1986]. (En). **Malaysian Rubber Review (Malaysia)**. ISSN 0127-2969. (Jan 1987). v. 7 (Fourth Quarter) p. 23-30. RUBBER; PRICES; MARKETING MARGINS

XB8705100

Malaysian Rubber Research and Development Board, Kuala Lumpur. Statistical data [of rubber in 1986]. (En). **Malaysian Rubber Review (Malaysia)**. ISSN 0127-2969. (Jan 1987). v. 7 (Fourth Quarter) p. 37. RUBBER; MALAYSIA/ PRODUCTION; DEMAND; EXPORTS

XB8782039

Soh, E.L.; Magesvaran, M.; Jayasankaran, S. Commodity: check on optimism [in the pricing of primary commodities in Malaysia]. (En). **Malaysian Business (Malaysia)**. ISSN 0126-5504. (16 Feb 1987). p. 7-9. RUBBER; PALM OILS; COCOA; MALAYSIA/ PIPER NIGRUM; PRICES; EXPORTS

XB8705019

Mohd Salleh Punan; Mohd Yazid Mohd Ali. [Packaging and transportation of vegetables for export [in Malaysia]]. Pembungkusan dan pengangkutan sayur-sayuran untuk eksport. (Malay). **Teknologi Makanan (Malaysia)**. ISSN 0127-4117. (Apr 1986). v. 5(1) p. 35. VEGETABLES; PACKAGING; TRANSPORT; MALAYSIA

XB8705091

Malaysian Timber Industry Board, Kuala Lumpur. Rubberwood - into an era of impressive growth [for Malaysia]. (En). **Warta Perdagangan Kayu (Malaysia)**. ISSN 0302-5802. (1985). v. 14(2) p. 8. WOOD; HEVEA BRASILIENSIS; EXPORTS; MALAYSIA/ FURNITURE; MARKET COMPETITION

XB8782045

Krishnamoorthy, M. Rubberwood: Case of mistaken identity [in USA]. (En). **Malaysian Business (Malaysia)**. ISSN 0126-5504. (16 Feb 1987). p. 41. WOOD; HEVEA BRASILIENSIS; MALAYSIA; USA/ QUALITY; USES; FURNITURE; WORLD MARKETS

## E71: Niaga antarabangsa

XB8705090

Malaysian Timber Industry Board, Kuala Lumpur. Market report: First quarter 1985 [Malaysia timber trade]. (En). **Warta Perdagangan Kayu (Malaysia)**. ISSN 0302-5802. (1985). v. 14(2) p. 3-7.\*; SAWNWOOD; PLYWOOD; VENEERS; MALAYSIA/ INTERNATIONAL TRADE; PRICES

XB8705003

Chong, L.C. Institute of Strategic and International Studies, Kuala Lumpur (Malaysia). Fostering trade through deregulation and consumer emancipation. (En). ISBN 967-947-027-X. Kuala Lumpur (Malaysia). Institute of Strategic and International Studies. 1986. 18 p. Bibliography p. 17-18.\*; CONSUMER COOPERATIVES; MARKETING POLICIES; MARKETING; TRADE

XB8782032

Abdullah Hassan (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Teknologi Makanan). ['Pisang Emas' being sailed [to Hong Kong] [Bananas]]. Pisang Emas bawa belayar. (Malay). Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia). ISSN 0127-1458.(1986). v. 8(2) p. 26.BANANAS; EXPORTS; HONG KONG; MALAYSIA/ VARIETIES

XB8705012

Ariff Ahmad, Tengku (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Kajian Tekno-Ekonomi dan Sosial); Mohd Khairol Mohd Ariff. [Status and potential of beverage and spice crops in Malaysia] Status dan potensi tanaman minuman dan rempah di Malaysia. (Malay). Seminar Penyelidikan Tanaman Rempah dan Minuman. Kluang, Johor (Malaysia) 23-24 Jan 1985.Kluang, Johor (Malaysia). 1985.52 leaves. Ill.; 19 tables; Appendices. \* Library, Universiti Pertanian Malaysia. Received Jan 1987. COFFEA; CAMELLIA SINENSIS; PIPER NIGRUM; EUGENIA CARYOPHYLLUS; MALAYSIA/ FARM AREA; INTERNATIONAL TRADE; SUPPLY BALANCE; PRICES

XB8705083

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XB8682203

Pillai, P.Palm kernel futures [contract]: Welcomes all round [Malaysia]. (En). Malaysian Business (Malaysia). ISSN 0126-5504. (16 Dec 1986). p. 71, 72. PALM-KERNEL OIL; FUTURES TRADING; MALAYSIA/ INTERNATIONAL TRADE

XB8682199

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XB8782039

Soh, E.L.; Magesvaran, M.; Jayasankaran, S. Commodity:

check on optimism [in the pricing of primary commodities in Malaysia]. (En). Malaysian Business (Malaysia). ISSN 0126-5504. (16 Feb 1987). p. 7-9. RUBBER; PALM OILS; COCOA; MALAYSIA/ PIPER NIGRUM; PRICES; EXPORTS

XB8705080

Mohd Yusof Shahabuddin; Yong, H.W. Institut Penyelidikan Getah Malaysia, Kuala Lumpur.A review of rubber export duty 1961-86 [Peninsular Malaysia]. (En). Planters' Bulletin - Rubber Research Institute of Malaysia (Malaysia). ISSN 0032-096X. (Sep 1986). (no. 188) p. 91-96. RUBBER; EXPORTS; TAXES; PENINSULAR MALAYSIA/ SMALL SCALE FARMING

XB8682201

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XB8705094

Malaysian Timber Industry Board, Kuala Lumpur. Market report: Third quarter 1986 [Malaysian timber trade]. (En). Warta Perdagangan Kayu (Malaysia). ISSN 0302-5802. (1986). v. 15(4) p. 3-11. SAWNWOOD; PLYWOOD; VENEERS; MALAYSIA/ INTERNATIONAL TRADE

XB8705102

Malaysian Timber Industry Board, Kuala Lumpur.Export of timber - October 1986 [Peninsular Malaysia]. (En). Maskayu (Malaysia). ISSN 0126-771X. (Dec 1986). v. 12 p. 3, 6.SAWNWOOD; PLYWOOD; VENEERS; PENINSULAR MALAYSIA/ EXPORTS; MOULDING

XB8705103

Malaysian Timber Industry Board, Kuala Lumpur. Consumption trend of sawnwood and wood-based panels in major consuming countries [European Communities; Canada; USA; Japan]. (En).Maskayu (Malaysia). ISSN 0126-771X. (Dec 1986). v. 12 p. 5. SAWNWOOD; WOOD PANELS; EUROPEAN COMMUNITIES; CANADA/ USA; JAPAN; SOFTWOOD; HARDWOOD

XB8705086

Malaysian Timber Industry Board, Kuala Lumpur. Export statistics of Peninsular Malaysia [Wood; January-September 1986]. (En). Maskayu (Malaysia). ISSN 0126-771X. (Nov 1986). v. 11 p. 10-13. SAWNWOOD; PLYWOOD; VENEERS; PENINSULAR MALAYSIA/ MOULDING; EXPORTS

XB8705087

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11 p. 14. SAWNWOOD; PLYWOOD; VENEERS; SABAH/ EXPORTS

XB8705088

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XB8705082

Malaysian Timber Industry Board, Kuala Lumpur. Export of timber - September 1986 [from Peninsular Malaysia]. (En). *Maskayu (Malaysia)*. ISSN 0126-771X. (Nov 1986). v. 11 p. 3, 8. WOOD; SAWNWOOD; PLYWOOD; PENINSULAR MALAYSIA/ EXPORTS; VENEERS; MOULDING

XB8705106

Malaysian Timber Industry Board, Kuala Lumpur. Export statistics of [wood] Peninsular Malaysia [from January-July 1986]. (En). *Maskayu (Malaysia)*. ISSN 0126-771X. (Dec 1986). v. 12 p. 10-13. WOOD; EXPORTS; PENINSULAR MALAYSIA

XB8705107

Malaysian Timber Industry Board, Kuala Lumpur. Export statistics of [wood] Sabah [from January-July 1986]. (En). *Maskayu (Malaysia)*. ISSN 0126-771X. (Dec 1986). v. 12 p. 14. WOOD; EXPORTS; SABAH

XB8705108

Malaysian Timber Industry Board, Kuala Lumpur. Export statistics of [wood] Sarawak [from January-July 1986]. (En). *Maskayu (Malaysia)*. ISSN 0126-771X. (Dec 1986). v. 12 p. 15. WOOD; EXPORTS; SARAWAK

#### E72: Niaga dalam negeri

XB8705084

Malaysian Timber Industry Board, Kuala Lumpur. Domestic trade. Month: September 1986 [Wood; Peninsular Malaysia]. (En). *Maskayu (Malaysia)*. ISSN 0126-771X. (Nov 1986). v. 11 p. 6, 9. HARDWOOD; LOGS; PLYWOOD; PENINSULAR MALAYSIA/ PRICES

XB8705104

Malaysian Timber Industry Board, Kuala Lumpur. Domestic trade. Month: October 1986. (En). *Maskayu (Malaysia)*. ISSN 0126-771X. (Dec 1986). v. 12 p. 7, 8. SAWNWOOD; PLYWOOD; TRADE; MALAYSIA

#### E73: Ekonomi pengguna

XB8705003

Chong, L.C. Institute of Strategic and International Stud-

ies, Kuala Lumpur (Malaysia). Fostering trade through deregulation and consumer emancipation. (En). ISBN 967-947-027-X. Kuala Lumpur (Malaysia). Institute of Strategic and International Studies. 1986. 18 p. Bibliography p. 17-18. \*; CONSUMER COOPERATIVES; MARKETING POLICIES; MARKETING; TRADE

XB8705081

Wong, N.P.; John, C.K.; Chin, H.C.. Institut Penyelidikan Getah Malaysia, Kuala Lumpur. Environmentally acceptable natural rubber latex from Malaysia. (En). *Planters' Bulletin - Rubber Research Institute of Malaysia (Malaysia)*. ISSN 0032-096X. (Sep 1986). (no. 188) p. 97-101. RUBBER; AMINES; TOXICITY; MALAYSIA/ CONSUMER PROTECTION

#### F: SAINS TUMBUHAN DAN PENGELUARAN

##### F01: Perusahaan

XB8605853

Chan, Y.K. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Buah-buahan). Differential compatibility in a diallel cross involving three groups of pineapple [*Ananas comosus* L. (Merr.)]. (En). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709. (Apr 1986). v. 14(1) p. 23-27. ANANAS COMOSUS; HYBRIDS/ SEED; GENOTYPES; VARIETIES

XB8782028

Mooi, K.C. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai). [Production of white Asparagus using paddy husks [in Peninsular Malaysia]]. Pengeluaran Asparagus putih menggunakan sekam padi. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 20. ASPARAGUS; WASTES; RICE; PENINSULAR MALAYSIA/ PLANTING

XB8705004

Deanna Sivaram Jabatan Pertanian, Kuala Lumpur (Malaysia). The department of Agriculture's experience in the planting of coffee, tea, clove and pepper [Peninsular Malaysia]. (En). Seminar Penyelidikan Tanaman Rempah dan Minuman. Kluang, Johor (Malaysia) 23-24 Jan 1985. Kluang, Johor (Malaysia). 1985. 11 leaves. 6 ref. \*Library, Universiti Pertanian Malaysia. Received Jan. 1987. CAMELLIA SINENSIS; COFFEA; PIPER NIGRUM; PENINSULAR MALAYSIA/ EUGENIA CARYOPHYLLUS; PLANTING

XB8705038

Suraphong Kosiyachinda (Kasetsart Univ. Bangkok (Thailand). Department of Horticulture). Design and fabrication of papaya [*Carica papaya*] fruit picker. (En).

ASEAN Food Journal (Malaysia). ISSN 0127-7324. (Jun 1986). v. 2(2) p. 84-85.\*; CARICA PAPAYA; PICKING; CUTTING IMPLEMENTS; THAILAND/ HARVESTING LOSSES

XB8705005

Tay, E.B. (Jabatan Pertanian, Kota Kinabalu, Sabah (Malaysia)); Fung, Y.L. Research and cultivation of coffee [Coffea] and tea [Camellia sinensis] in Sabah. (En). Seminar Penyelidikan Tanaman Rempah dan Minuman. Kluang, Johor (Malaysia) 23-24 Jan 1985. Kluang, Johor (Malaysia). 1985. 11 leaves. 3 tables. \*Library, Universiti Pertanian Malaysia. Received Jan. 1987. COFFEA; CAMELLIA SINENSIS; FARM AREA; SABAH/ EXPERIMENTS

XB8605817

Rao, V. Note on a convenient method of access to young oil palm [Elaeis guineensis] inflorescences. (En). **PO-RIM Bulletin** (Malaysia). ISSN 0127-0249. (Nov 1986). (no. 13) p. 12-15. ELAEIS GUINEENSIS; INFLORESCENCES; POLLINATION/ PICKING

XB8705069

Eschbach, J.M. (Rubber Research Station of Ivory Coast, Abidjan). Weekly tapping of rubber [Hevea brasiliensis] trees: agronomical, physiological and economic aspects [Ivory Coast]. (En). **Journal of Natural Rubber Research** (Malaysia). ISSN 0127-7065. (Dec 1986). v. 1(4) p. 218-233. HEVEA BRASILIENSIS; TAPPING; STIMULATION; IVORY COAST/ LABOUR PRODUCTIVITY; CLONES; RUBBER

XB8605840

Abu Bakar Atim (Rubber Research Institute of Malaysia, Kuala Lumpur (Malaysia); Mohd Napi Daud; Abdul Malik Yaakob. Relationship of nectar flow on colony development and honey yield of Apis cerana under Hevea brasiliensis in Malaysia. (En). **Journal of Natural Rubber Research** (Malaysia). ISSN 0127-7065. (Sep 1986). v. 1(3) p. 176-186. HEVEA BRASILIENSIS; NECTAR; HONEY/ HONEYBEES; CLONES; SUGAR; RAIN

XB8705068

Yeang, H.Y.; Samsuddin Z. (Institut Penyelidikan Getah Malaysia, Kuala Lumpur). Preliminary observations on the induction of precocious flowering in Hevea brasiliensis by PP333. (En). **Journal of Natural Rubber Research** (Malaysia). ISSN 0127-7065. (Dec 1986). v. 1(4) p. 209-217. HEVEA BRASILIENSIS; INDUCED FLOWERING; GROWTH INHIBITORS/ POLLEN; SEED; GERMINABILITY

XB8682202

Ngam, S.M. Shiitake cultivation: Commercial success in the making [Lentinus]. (En). **Malaysian Business** (Malaysia). ISSN 0126-5504. (16 Dec 1986). p. 52-53. LENTINUS; COMMERCIAL FARMING; MALAYSIA/ CULTIVATION

XB8782005

Department of Agriculture, Kuching, Sarawak (Malaysia). Methods of rice [Oryza sativa] harvesting in Sarawak. (En, Malay). **Farmers' Bulletin** (Malaysia). (Nov 1986). (no. 260) p. 4. ORYZA SATIVA; HARVESTING; SARAWAK/ HARVESTERS; CUTTING IMPLEMENTS

XB8705006

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XB8705007

Saharan Haji Anang (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai) [Activities and research development of spice and beverage crops by MARDI [Malaysian Agricultural Research and Development Institute]] Kegiatan dan kemajuan penyelidikan tanaman rempah dan minuman oleh MARDI sehingga masa kini. (Malay). Seminar Penyelidikan Tanaman Rempah dan Minuman. Kluang, Johor (Malaysia) 23-24 Jan 1985. Kluang, Johor (Malaysia). 1985. 11 leaves. \* Library, Universiti Pertanian Malaysia. Received Jan. 1987. PIPER NIGRUM; COFFEA; CAMELLIA SINENSIS; MALAYSIA/ RESEARCH INSTITUTIONS; CULTIVATION

XB8782012

Wong, L.J.; Saidatul Majni Mohd Hashim (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai). [Sweeteners or sugar [in Malaysia]]. Pemanis atau gula. (Malay). **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia** (Malaysia). ISSN 0127-1458. (1986). v. 8(2) p. 6, 7. SUGAR CROPS; VARIETIES; MALAYSIA/ COMPOSITION

XB8782025

Ramli Abdullah (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Koko/Kelapa). [Indigofera tasmanii as shade trees for cocoa [Theobroma cacao; Peninsular Malaysia]]. Indigofera tasmanii sebagai pokok lindungan koko. (Malay). **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia** (Malaysia). ISSN 0127-1458. (1986). v. 8(2) p. 17. THEOBROMA CACAO; INDIGOFERA; SHADE TREES; PENINSULAR MALAYSIA/ PLANTING

XB8782052

Universiti Pertanian Malaysia, Serdang, Selangor. Grape



planting project [in Peninsular Malaysia]. Projek penanaman anggur. (Malay). *Unipertama (Malaysia)*. ISSN 0126-9496. (Feb 1987). v. 9(2) p. 3, 9. VITIS; PLANT DISEASE CONTROL; PROPAGATION MATERIALS; PENINSULAR MALAYSIA/ VITICULTURE

XB8605858

Lee, C.K. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Seberang Perai, Pulau Pinang. Bahagian Penyelidikan Tanaman Pelbagai). Yield potential of grain maize in humid tropical Malaysia. (En). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709. (Apr 1986). v. 14(1) p. 53-57. ZEA MAYS; IRRIGATION; MALAYSIA/ WATERING; YIELDS; VARIETIES; TRIALS

#### F04: Membaja

XB8782013

Zainuddin Haji Meon (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Buah-buahan). [Fertilizing using micro-organisms]. Pembajaan menggunakan mikro-organisma. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 7.\*; MYCORRHIZAE; ALGAE; MICROORGANISMS; GREEN MANURES

XB8782047

Veronica Poopathy. Fertilizers: Richer soils for better yield. (En). *Malaysian Business (Malaysia)*. ISSN 0126-5504. (16 Feb 1987). p. 54, 56, 57, 58, 59.\*; FERTILIZERS; DEMAND; MALAYSIA/ FERTILIZER INDUSTRY

XB8782048

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XB8782055

Shamshuddin Jusop (Universiti Pertanian Malaysia, Serdang, Selangor. Jabatan Sains Tanah). [Land application of palm oil mill effluent]. Membaja tanah dengan efluen kilang kelapa sawit. (Malay). *Majalah Pengembangan (Malaysia)*. ISSN 0126-5032. (Mar 1986). v. 9(1) p. 23-26.\*; PALM OILS; WASTES; FERTILIZERS; MALAYSIA/ MILLING BYPRODUCTS

XB8605838

Sivanadyan, K. (Rubber Research Institute of Malaysia, Kuala Lumpur (Malaysia); Harirar, G. Mineral nutrition and reproduction in Hevea: effects of nitrogen fertilisation on flowering and fruiting in immature trees of some clones [in Malaysia]. (En). *Journal of Natural Rubber Research (Malaysia)*. ISSN 0127-7065. (Sep 1986). v. 1(3) p. 155-166. HEVEA; MINERALS; NITROGEN

FERTILIZERS; MALAYSIA/ INDUCED FLOWERING; CLONES; FRUIT

XB8605816

Foster, H.L.; Zin Zawawi Zakaria. Volatilisation losses of nitrogen from urea applied to Malaysian soils [commonly planted with oil palm] 2. Effect of granular size and soil properties. (En). *PORIM Bulletin (Malaysia)*. ISSN 0127-0249. (Nov 1986). (no. 13) p. 1-11. OIL PALMS; PENINSULAR MALAYSIA/ UREA; SOILS; NITROGEN; APPLICATION METHODS; CHEMICO-PHYSICAL PROPERTIES

XB8605820

Ahmad Tarmizi Mohammed; Foster, H.L.; Zin Zawawi Zakaria; Chow, C.S. Statistical and economic analysis of oil palm fertilizer trials in Peninsular Malaysia between 1970-1981. *PORIM Occasional Paper (Malaysia)*. ISSN 0127-2209. no. 22. Bangi, Selangor (Malaysia). Institut Penyelidikan Minyak Kelapa Sawit Malaysia. Aug 1986. 122 p. OIL PALMS; PENINSULAR MALAYSIA/ FERTILIZERS; TRIALS; STATISTICAL ANALYSIS; ECONOMIC ANALYSIS

XB8705071

Ahenkorah, Y.; Appiah, M.R.; Halm, B.J. (Cocoa Research Inst. of Ghana, New Tafo-Akim). Review of foliar fertilisation of some tropical perennial crops and effect of three foliar fertilisers on cocoa [*Theobroma cacao*] seedlings. (En). *Planter (Malaysia)*. ISSN 0126-575X. (Jan 1987). v. 63(730) p. 3-15. THEOBROMA CACAO; LEAVES; SEEDLINGS; MINERAL DEFICIENCY/ FERTILIZATION; APPLICATION METHODS; PESTICIDES

#### F06: Pengairan

XB8705057

Kamarudzaman Aribi (Universiti Pertanian Malaysia, Serdang, Selangor. Fakulti Kejuruteraan). Water use of young citrus as a function of irrigation management and ground cover condition. (En). *Pertanika (Malaysia)*. ISSN 0126-6128. (Dec 1986). v. 9(3) p. 291-298. CITRUS SINENSIS; PASPALUM NOTATUM; EVAPOTRANSPIRATION; SAND/ TRICKLE IRRIGATION; SOIL WATER POTENTIAL; COVER PLANTS; LYSIMETERS

#### F07: Penyuburan tanah

XB8782008

Saharan Haji Anang (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai). [Zero tillage - Weed management and soil reclamation]. Tanpa pembajakan - Pengurusan rumput-rumpai dan pemuliharaan tanah. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kema-*



Juan Pertanian Malaysia (Malaysia). ISSN 0127-1458. (1986). v. 8(2) p. 2.\*; WEED CONTROL; RECLAMATION; TILLAGE

XB8782029

Noor Rawi Abu Bakar (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai); Mohd Zaki Haji Ghazali. [Preparation of soil that is economic for ground nut and maize [in Peninsular Malaysia]]. Penyediaan tanah yang berekonomi untuk kacang tanah dan jagung. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 21. ARACHIS HYPOGAEA; ZEA MAYS; TILLAGE; PENINSULAR MALAYSIA/ SOIL REQUIREMENTS

**F08: Corak dan sistem penanam**

XB8782007

Mohd Salleh Rejab (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Ternakan). [Livestock for controlling weeds [in Malaysia]]. Ternakan sebagai pengawal rumpai. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 1, 20.\*; WEEDS; CATTLE; SHEEP; MALAYSIA/ WEED CONTROL

XB8705044

Dootson, J. (Chumphon Horticultural Research Centre, Amphoc Sawi (Thailand); Maliwan Rattanapruk; Wit Suwannawuth. Coconut development in Thailand and its stimulation by cocoa [Cocos nucifera; Theobroma cacao]. (En). *Planter (Malaysia)*. ISSN 0126-575X. (Dec 1986). v. 62(729) p. 519-530. COCOS NICIFERA; THEOBROMA CACAO; INTERCROPPING; THAILAND/ TRANSPLANTING

XB8605844

Embi Yusof (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Bertam, Seberang Perai. Bahagian Penyelidikan Padi); Cheong, A.W.; Mohd Shahrin Yob. Large scale rice farming in Malaysia. (En). *Teknologi Padi (Malaysia)*. (Jun 1985). v. 1(2) p. 47-53. IRRIGATED RICE; COLLECTIVE FARMING; SMALL SCALE FARMING; MALAYSIA/ PRODUCTION COSTS; SUBSIDIES

XB8782003

Lee, E. Sheep rearing: sheep labour for the estates [Malaysia]. (En). *Malaysian Business (Malaysia)*. ISSN 0126-5504.1 Jan 1987. p. 56-57. SHEEP; PLANTATIONS; HEVEA; MALAYSIA/ MIXED FARMING; WEED CONTROL; MEAT PRODUCTION

**F30: Genetic dan pembiakbaikan tumbuhan**

XB8782020

Jamadon B.; Khadzir D. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Koko/Kelapa). [Local coconut varieties [in Peninsular Malaysia]]. Jenis-jenis kelapa tempatan. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 14. COCOS NUCIFERA; COPRA VARIETIES; PENINSULAR MALAYSIA/ YIELDS

XB8782017

Musa Yaacob (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tembakau). [TAPM 13 - potential tobacco variety [Nicotiana tabacum; Peninsular Malaysia]]. TAPM 13 - Varieti tembakau berpotensi. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 10-11. NICOTIANA TABACUM; DISEASE RESISTANCE; VARIETIES; PENINSULAR MALAYSIA

XB8782030

Mohamad Osman; Guok, H.P. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Padi). [Paddy hybrid [in Malaysia]]. Padi hibrid. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 22. ORYZA SATIVA; HYBRIDS; MALAYSIA

XB8605845

Othman Omar (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Bumbong Lima, Seberang Perai); Alias Ismail; Hadzim Khalid. Past and present of rice [Oryza sativa] varietal development in Malaysia. (En). *Teknologi Padi (Malaysia)*. (Jun 1985). v. 1(2) p. 55-57. ORYZA SATIVA; VARIETIES; MALAYSIA/ QUALITY; RESISTANCE TO INJURIOUS FACTORS

XB8782009

Embi Yusof (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Padi). [Paddy, new variety MR 84 [Oryza sativa; Malaysia]]. Padi baru MR 84. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 3. ORYZA SATIVA; DISEASE RESISTANCE; MALAYSIA/ VARIETIES; QUALITY

XB8705009

Mohamad Idris Bin Haji Zainal Abidin (Universiti Pertanian Malaysia, Serdang, Selangor. Jabatan Agronomi dan Kulturakebunan). [Breeding of pepper for resistance to Phytophthora palmivora [Malaysia]]. Membaikbiak lada hitam untuk menentang penyakit utama Phytophthora palmivora. (Malay). Seminar Penyelidikan Tana-

man Rempah dan Minuman. Kluang, Johor (Malaysia) 23-24 Jan 1985. Kluang, Johor (Malaysia). 1985. 6 p.. 5 ref. Summary (Malay). \* Library, Universiti Pertanian Malaysia. Received Jan. 1987. PIPER NIGRUM; PHYTOPHTHORA; DISEASE RESISTANCE; MALAYSIA/ PLANT BREEDING; ROTS

XB8782011

Sapiyah Subali (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Koko/Kelapa). [New cocoa clones [Theobroma cacao] [in Malaysia]]. Klon-klon koko baru. (Malay). **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)**. ISSN 0127-1458. (1986). v. 8(2) p. 5. THEOBROMA CACAO; CLONES; DISEASE RESISTANCE; MALAYSIA

#### F40: Ekologi tumbuhan

XB8705002

Mashhor Mansor. Population ecology. Ekologi Populasi. (Malay). 1986. 83 p. Bibliography p. 83.\*; POPULATION STRUCTURE; ECOLOGY

XB8705001

Rubeli, K.. Tropical rain forest in South-East Asia: a pictorial journey. (En). ISBN 967-73-0013-X. Kuala Lumpur (Malaysia). Tropical Press Sdn. Bhd. 1986. 234 p.. Ill.; Bibliography p. 228-234.\*; TROPICAL RAIN FORESTS; FORESTRY BIOLOGY; PLANT ECOLOGY

#### F50: Struktur tumbuhan

XB8705001

Rubeli, K. Tropical rain forest in South-East Asia: a pictorial journey. (En). ISBN 967-73-0013-X. Kuala Lumpur (Malaysia). Tropical Press Sdn. Bhd.. 1986. 234 p.. Ill.; Bibliography p. 228-234.\*; TROPICAL RAIN FORESTS; FORESTRY BIOLOGY; PLANT ECOLOGY

#### F60: Fisiologi dan biokimia tumbuhan

XB8605854

Leong, A.C. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Pontian, Johore. Bahagian Penyelidikan Tanaman Pelbagai). The effects of frequencies and levels of watering on the performance of shallot (*Allium cepa* var. *ascalonicum*) grown on peat. (En). **MARDI Research Bulletin (Malaysia)**. ISSN 0126-5709. (Apr 1986). v. 14(1) p. 29-33. ALLIUM CEPA; PEAT; WATERING/ YEILDS; BULBS

XB8705066

Elias Saion; Sin, D.S.; Zainal Abdul Sulaiman (Universiti Pertanian Malaysia, Serdang, Selangor. Jabatan Fizik);

Sabirin H. Ikhsan; Husin Wagiran. Gamma ray attenuation in Hevea latex and its application to DRC [dry rubber content] measurement. (En). **Pertanika (Malaysia)**. ISSN 0126-6128. (Dec 1986). v. 9(3) p. 369-373. HEVEA; LATEX; DRY MATTER CONTENT; SOLIDS/ MEASUREMENT

XB8605818

Ravigadevi, S. Application of protoplast technology. (En). **PORIM Bulletin (Malaysia)**. ISSN 0127-0249. (Nov 1986). (no. 13) p. 16-24. TOMATOES/ HYBRIDS; PROTOPLAST; METABOLISM; MUTATION

#### F62: Fisiologi tumbuhan - Pemakanan

XB8605857

Halimathul Saadiah A.S. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Makmal Penyelidikan Pusat). Development of cucumber seed from flowering to maturity. (En). **MARDI Research Bulletin (Malaysia)**. ISSN 0126-5709. (Apr 1986). v. 14(1) p. 47-51. CUCUMIS SATIVUS; SEEDS; FLOWERING; MATURITY/ YEILDS; MOISTURE CONTENT; DRY MATTER CONTENT; GERMINABILITY; VARIETIES

XB8705058

Normah, M.N.; Chin, H.F.; Hor, Y.L. (Universiti Pertanian Malaysia, Serdang, Selangor. Jabatan Agronomi). Desiccation and cryopreservation of embryonic axes of *Hevea brasiliensis* Muell.-Arg.. (En). **Pertanika (Malaysia)**. ISSN 0126-6128. (Dec 1986). v. 9(3) p. 299-303. HEVEA BRASILIENSIS; DRYING; SEED LONGEVITY; EMBRYO/ MOISTURE CONTENT; PRESERVATION

XB8705056

Aminuddin Bin Mohamad (Institut Penyelidikan Perhutanan Malaysia, Kepong, Selangor). Light requirements of *Shorea materialis* seedlings [in Peninsular Malaysia]. (En). **Pertanika (Malaysia)**. ISSN 0126-6128. (Dec 1986). v. 9(3) p. 285-289. SHOREA; SEEDLINGS; DRY MATTER CONTENT; PENINSULAR MALAYSIA/ GROWTH; LIGHT; MEASUREMENT

#### F63: Fisiologi tumbuhan - Pengeluaran

XB8605839

Yeang, H.Y. (Rubber Research Institute of Malaysia, Kuala Lumpur (Malaysia); Ong, S.H.; Mohd. Napi Daud. Influence of meteorological factors around the time of hand-pollination on *Hevea* fruit-set. (En). **Journal of Natural Rubber Research (Malaysia)**. ISSN 0127-7065. (September 1986). v. 1(3) p. 167-175. HEVEA; POLLINATION; METEOROLOGY; FRUIT/ EVAPORATION; TEMPERATURE; RELATIVE HUMIDITY; FLOWERING

XB8705068

Yeang, H.Y.; Samsuddin Z. (Institut Penyelidikan Getah Malaysia, Kuala Lumpur). Preliminary observations on the induction of precocious flowering in *Hevea brasiliensis* by PP333. (En). *Journal of Natural Rubber Research (Malaysia)*. ISSN 0127-7065.(Dec 1986). v. 1(4) p. 209-217. HEVEA BRASILIENSIS; INDUCED FLOWERING; GROWTH INHIBITORS/ POLLEN; SEED; GERMINABILITY

XB8782022

Rukayah Aman (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang. Bahagian Penyelidikan Buah-Buahan). [Good news for mango planters [in Peninsular Malaysia]]. Berita baik untuk penanam manga. (Malay) *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 15. MANGIFERA INDICA; INDUCED FLOWERING; PLANT GROWTH SUBSTANCES; PENINSULAR MALAYSIA

## H: PERLINDUNGAN TUMBUHAN

### H01: Perlindungan tumbuhan - Aspek am

XB8782027

Abdullah Othman (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Koko/Kelapa). [The control of weeds under Gliricidia [shade trees] trees] [Peninsular Malaysia]]. Pengawalan rumpai di bawah pokok Gliricidia. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458.(1986). v. 8(2) p. 19. GLIRICIDIA; SHADE TREES; WEEDS; PENINSULAR MALAYSIA/ WEED CONTROL

XB8782025

Ramli Abdullah (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Koko/Kelapa). [Indigofera tasmanii as shade trees for cocoa [Theobroma cacao; Peninsular Malaysia]]. Indigofera tasmanii sebagai pokok lindungan koko. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 17. THEOBROMA CACAO; INDIGO-FERA; SHADE TREES; PENINSULAR MALAYSIA/ PLANTING

### H10: Perosak tumbuhan

XB8705041

Durai, P.S.S. Updating the taxonomy and distribution of the Malaysian Dinidoridae. (En). *PLANTI News (Malaysia)*. (Apr 1986). v. 5(1) p. 4-5, 6.\*; PEST INSECTS; TAXONOMY; MALAYSIA

XB8782019

Fauziah Haji Ismail (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai). [Toxicity of insecticides [Malaysia]]. Kebiasaan racun makhluk perosak. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 14.\*; INSECTICIDES; TOXICITY; MALAYSIA

XB8782024

Yuen, P.M.; Enon Abdul Samad (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tembakau). [The control of roots nodule nematodes in weeds [in Peninsular Malaysia]]. Pengawalan nematod bengkok akar pada rumpai. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 16-17.\*; NEMATODES; ROOT NODULATION; WEEDS; PENINSULAR MALAYSIA/ NEMATODE CONTROL

XB8705074

Duckett, J.E. (Austral Enterprises Berhad, Kuala Lumpur (Malaysia)). Birds of prey as feeders on oil palm (*Elaeis guineensis*) - a note on a new Malaysian record. (En). *Planter (Malaysia)*. ISSN 0126-575X.(Jan 1987). v. 63(730) p. 21-23. ELAEIS GUINEENSIS; NOXIOUS BIRDS; FRUIT; MALAYSIA/ SPECIES

XB8782014

Mohammed Mohd Salleh (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Padi). [Sanwa grass: temporary hosts of paddy pest insects [in Peninsular Malaysia]]. Rumput sambau: perumah sementara serangga perosak padi. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 8. ORYZA SATIVA; ECHINOCHLOA FRUMENTACEA; LEPTOCORISA; PENINSULAR MALAYSIA/ PEST INSECTS

XB8705067

Mohd Yusof Hussein (Universiti Pertanian Malaysia, Serdang, Selangor. Jabatan Perlindungan Tumbuhan). A method of collecting eggs of *Micromus tasmaniae* Walker (Neuroptera: Hemerobiidae). (En). *Pertanika (Malaysia)*. ISSN 0126-6128. (Dec 1986). v. 9(3) p. 449-453. SOLANUM TUBEROSUM; PREDATORS; NEUROPTERA; EGG HATCHABILITY/ EXPERIMENTS

XB8705072

Caballero, E.; Easaw, P.T.; Nagaraja, H. (Agricultural Consultancy Services Inc., Hagonoy, Davao del Sur (Philippines). Cacao Investors Inc.). A new record of a Pyrgotid parasite of *Adoretus ranuncululus* on cacao [*Theobroma cacao*] in the Philippines. (En). *Planter (Malaysia)*. ISSN 0126-575X. (Jan 1987). v. 63(730) p. 16-17.

THEOBROMA CACAO; ADORETUS; PARASITES;  
PHILIPPINES/ SPECIES; IDENTIFICATION

XB8705073

Nagaraja, H. Nunez, I.; Reyes, T.M.; Easaw, P.T. (Agricultural Consultancy Services Inc., Hagonoy, Davao de Sur (Philippines). Cocoa Investors Inc.). Record of a new Lepidopterous pest cacao [*Theobroma cacao*] pods of Criollo variety in the Philippines. (En). *Planter (Malaysia)*. ISSN 0126-575X. (Jan 1987). v. 63(730) p. 18-20. THEOBROMA CACAO; LEPIDOPTERA; PEST INSECTS; PHILIPPINES/ SPECIES; IDENTIFICATION

H20: Penyakit tumbuhan

XB8605823

Lee, B.S. (MARDI, Serdang (Malaysia). Pest Science Unit). *Phytophthora* - a serious plant pathogen in Malaysia. (En). *Planter (Malaysia)*. ISSN 0126-575X. (Nov 1986). v. 62(728) p. 493-494.\*; PHYTOPHTHORA; MALAYSIA/ PLANT PATHOLOGY

XB8705059

Ismail Bin Ahmad (Universiti Kebangsaan Malaysia, Bangi, Selangor. Jabatan Mikrobiologi); Scott, H.A. Peptide electrophoretic patterns of cucumoviruses. (En). *Pertanika (Malaysia)*. ISSN 0126-6128. (Dec 1986). v. 9(3) p. 305-309.\*; VIRUSES; ISOLATION; PEPTIDES; ELECTROPHORESIS/ IDENTIFICATION

XB8605855

Ho, B.L. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Kelang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai). Screening of cabbage varieties for resistance to bacterial blight disease. (En). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709. (Apr 1986). v. 14(1) p. 35-38. CABBAGES; BLIGHTS; DISEASE RESISTANCE/ VARIETIES; LEAVES; INOCULATION

XB8705054

Lim, T.K.; Chan, L.G. (Universiti Pertanian Malaysia, Serdang, Selangor. Jabatan Perlindungan Tumbuhan). Fruit rot of durian [*Durio zibethinus*] caused by *Phytophthora palmivora* [in Peninsular Malaysia]. (En). *Pertanika (Malaysia)*. ISSN 0126-6128. (Dec 1986). v. 9(3) p. 269-276. *DURIO ZIBETHINUS*; PHYTOPHTHORA; ROTS; PENINSULAR MALAYSIA/ FRUIT; IDENTIFICATION; PATHOGENICITY

XB8605841

Samarajeewa, P.K. (Central Agricultural Research, Gannorun, Peradeniya (Sri Lanka); Liyanage, A. de S. Reactions of resistant and susceptible Hevea clones to *Colletotrichum gloeosporioides*. (En). *Journal of Natural Rubber Research (Malaysia)*. ISSN 0127-7065. (Sep 1986). v. 1(3) p. 187-194. HEVEA; COLLETOTRICHUM; DISEASE RESISTANCE/ LEAVES; CELLS; PATHOGENS; CLONES

XB8605842

Ismail Hashim (EMBRAPA/SUDHEVEA/ CEPLAC/ RRIM Rubber Technical Co-operation Programme; Itabuna, Bahia (Brazil). Induced resistance of Hevea to South American Leaf Blight by incompatible races of *microcyclus ulei*. (En). *Journal of Natural Rubber Research (Malaysia)*. ISSN 0127-7065. (Sep 1986). v. 1(3) p. 195-201. HEVEA; DISEASE RESISTANCE; BLIGHTS; SPORES/ INOCULATION; PATHOGENS

XB8605821

Kuruvilla Jacob, C. (Rubber Research Inst. of India, Kottayam. Rubber Board); Edathil, T. New approaches of pink disease management in Hevea (*brasiliensis*). (En). *Planter (Malaysia)*. ISSN 0126-575X. (Nov 1986). v. 62(728) p. 463-467. HEVEA BRASILIENSIS; PLANT DISEASES/ FUNGICIDES; PLANT DISEASE CONTROL

XB8605850

Chew, B.H. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Makmal Penyelidikan Pusat). In vitro blast screening technique for genetic studies of rice. (En). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709. (Apr 1986). v. 14(1) p. 1-5. *ORYZA SATIVA*; DISEASE RESISTANCE; BLIGHTS/ GENETICS; INOCULATION; LEAVES; MYCOSES

XB8782021

Saad Abdullah (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Padi). ['Bakanae' disease in Malaysia]. Penyakit 'bakanae' di Malaysia. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 15. *ORYZA SATIVA*; GIBBERELLA; FUSARIUM; MALAYSIA/ VARIETIES; PLANT DISEASE CONTROL

XB8605849

Chin, K.M. (Ciba-Geigy Agricultural Experiment Station Malaysia, Seremban, Negeri Sembilan). Reports of new sheath diseases of rice [*oryza sativa*] in Peninsular Malaysia. (En). *Teknologi Padi (Malaysia)*. (Jun 1985). v. 1(2) p. 79-83. *ORYZA SATIVA*; OPHIOBOLUS; RHIZOCTONIA; PENINSULAR MALAYSIA/ LEAVES; STEMS; BLIGHTS; HELMINTHOSPORIUM; CERCOSPORA

XB8705043

Ravindran, P.N.; Ratnambal, M.J.; Munir, V.M. (Central Plantation Crops Research Institute, Kerala (India). Regional Station). Differential radiosensitivity of black pepper (*Piper nigrum* L.) cultivars. (En). *Planter (Malaysia)*. ISSN 0126-575X. (Dec 1986). v. 62(729) p. 515-518. *PIPER NIGRUM*; GAMMA RADIATION; PHYTOPHTHORA; DISEASE RESISTANCE/ CULTIVARS; GERMINATION; SEED TREATMENT

XB8705009

Mohamad Idris Bin Haji Zainal Abidin (Universiti Pertanian Malaysia, Serdang, Selangor. Jabatan Agronomi dan Kulturakebunan). [Breeding of pepper for resistance to Phytophthora palmivora [Malaysia]] Membaikbiak lada hitam untuk menentang penyakit utama Phytophthora palmivora. (Malay). Seminar Penyelidikan Tanaman Rempah dan Minuman. Kluang, Johor (Malaysia) 23-24 Jan 1985. Kluang, Johor (Malaysia). 1985. 6 p. 5 ref. Summary (Malay). \* Library, Universiti Pertanian Malaysia. Received Jan. 1987. PIPER NIGRUM; PHYTOPHTHORA; DISEASE RESISTANCE; MALAYSIA/ PLANT BREEDING; ROTS

#### H50: Pelbagai penyakit tumbuhan

XB8782056

Mohd Yusof Hussein (Universiti Pertanian Malaysia, Serdang, Selangor. Jabatan Perlindungan Tumbuhan). [Pesticide Act and chemicals [Malaysia]]. Akta Racun Perusak dan bahan kimia. (Malay). *Majalah Pengembangan (Malaysia)*. ISSN 0126-5032. (Mar 1986). v. 9(1) p. 27-36.\*; PESTICIDES; LAWS; TOXICITY; MALAYSIA

#### H60: Rumpai dan pengawalan rumpai

XB8782007

Mohd Salleh Rejab (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Ternakan). [Livestock for controlling weeds [in Malaysia]]. Ternakan sebagai pengawal rumpai. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 1, 20.\*; WEEDS; CATTLE; SHEEP; MALAYSIA/ WEED CONTROL

XB8782054

Mohamed Zain Hasan, Soyed (Universiti Pertanian Malaysia, Serdang, Selangor. Jabatan Agronomi dan Kulturakebunan). [Retention and penetration of translocated herbicide in plants]. Pelekatan dan penyerapan racun herba serap dalam tumbuhan. (Malay). *Majalah Pengembangan (Malaysia)*. ISSN 0126-5032. (Mar 1986). v. 9(1) p. 13-22.\*; HERBICIDES; TRANSLOCATION; DETOXIFICATION; PLANT ANATOMY

XB8782031

Ahmed Anwar Ismail (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Padi). [Effect on changes of energy [production costs] on the weed control technology]. Kesan perubahan tenaga ke atas teknologi kawalan rumpai. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 23.\*; FERTILIZERS; HERBICIDES; TECHNOLOGY; PRODUCT COSTS/ ENERGY SOURCES; WEED CONTROL

XB8782008

Saharan Haji Anang (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai). [Zero tillage - Weed management and soil reclamation]. Tanpa pembajakan - Pengurusan rumput-rumpai dan pemuliharaan tanah. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 2\*; WEED CONTROL; RECLAMATION; TILLAGE

XB8605856

Lee, S.A. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Kelang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai). Effects of dalapon and glyphosate on *imperata cylindrica* (L.) Beauv. at different growth stages. (En). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709. (Apr 1986). v. 14(1) p. 39-45. IMPERATA; HERBICIDES/ PERENNIAL WEEDS; FOLIAR APPLICATION; PHYTOTOXICITY; RHIZOMES; STEMS

XB8782016

Azman Ismail, Wan (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tembakau). [Controlling of weeds increase yield and quality of tobacco [*Nicotiana tabacum*]]. Pengawalan rumpai meningkatkan hasil dan mutu tembakau. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 9, 10. NICOTIANA TABACUM; NICOTINE; WEED CONTROL; QUALITY/ YIELDS

XB8782023

Yuen, P.M.; Enon Abdul Samad (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tembakau). [Weeds in tobacco [*Nicotiana tabacum*] fields [in Peninsular Malaysia]]. Rumpai di ladang tembakau. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 16. NICOTIANA TABACUM; WEEDS; PENINSULAR MALAYSIA/ SPICES

XB8782010

Embi Yusof; Supaad Haji Mohd Amin, Haji; Cheong, A.W.; Azmi Man (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Padi). [Weed management for paddy [*Oryza sativa*] crop [in Malaysia]]. Pengurusan rumpai untuk tanaman padi. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 3, 4. ORYZA SATIVA; HERBICIDES; COSTS/ WEED CONTROL

XB8782015

Azmi Man (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Padi). [Sanwa grass - main weed for paddy crop using

broadcasting placement [Peninsular Malaysia]]. Rumpit sambau - rumpai utama pada tanaman padi tabur terus. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 8, 9. ORYZA SATIVA; ECHINOCHLOA FRUMENTACEA; WEED CONTROL; PENINSULAR MALAYSIA/ BROADCASTING

XB8782018

Lo, N.P. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Padi). [Usage of herbicides for paddy using broadcasting placement]. Kegunaan racun rumpai untuk padi tabur terus. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458.(1986). v. 8(2) p. 11. ORYZA SATIVA; ECHINOCHLOA FRUMENTACEA; LEPTOCHLOA; 2, 4-D/ HERBICIDES; WEED CONTROL

XB8782003

Lee, E. Sheep rearing: sheep labour for the estates [Malaysia]. (En). *Malaysian Business (Malaysia)*. ISSN 0126-5504. 1 Jan 1987. p. 56-57. SHEEP; PLANTATIONS; HEVEA; MALAYSIA/ MIXED FARMING; WEED CONTROL; MEAT PRODUCTION

## J: TEKNOLOGI LEPAS TUAI

### J10: Pengawasan, pengangkutan, storan dan perlindungan, hasil pertanian

XB8705070

Abu Bin Amu; Abdul Rahman Bin Rais; Sidek Bin Dulngali (Institut Penyelidikan Getah Malaysia, Kuala Lumpur). Thermal oxidative ageing of epoxidised natural rubber. (En). *Journal of Natural Rubber Research (Malaysia)*. ISSN 0127-7065. (Dec 1986). v. 1(4) p. 256-269. RUBBER; AGING; ANTIOXIDANTS/ CHEMICAL PHYSICAL PROPERTIES

XB8605851

Kamal A. Kamaruddin (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Makmal Penyelidikan Pusat). Population studies of the Malaysian wood rat (*Rattus tiomanicus* Miller) in a cocoa-coconut plantation. (En). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709. (Apr 1986). v. 14(1) p. 7-13. THEOBROMA CACAO; COCOS NUCIFERA; RATS; MALAYSIA/ NOXIOUS MAMMALS; POPULATION DYNAMICS; POPULATION CHANGE; REPRODUCTION; SURVIVAL; TRAPPING

XB8605852

Kamal A. Kamarudin (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Makmal Penyelidikan Pusat). Activity pattern and trap-

ping behaviour of the Malaysian wood rat (*rattus tiomanicus miller*) in a cocoa-coconut plantation. (En). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709.(Apr 1986). v. 14(1) p. 7-13. THEOBROMA CACAO; COCOS NUCIFERA; RATS; MALAYSIA/ NOXIOUS MAMMALS; TRAPPING; PEST CONTROL; BEHAVIOUR

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

XB8705040

ASEAN Plant Quarantine Centre and Training Inst., Serdang, Selangor (Malaysia). Irradiation in plant quarantine. (En). *PLANTI News (Malaysia)*. (Apr 1986). v. 5(1) p. 1, 6.\*; QUARANTINE; IRRADIATION; IMPORTS; ASEAN

XB8705022

Mat Isa Awang; Nazarifah Ibrahim. [Aflatoxin contamination in agricultural commodities [in Malaysia]]. Pencemaran aflatoksin dalam komoditi pertanian. (Malay). *Teknologi Makanan (Malaysia)*. ISSN 0127-4117. (Apr 1986). v. 5(1) p. 54-58.\*; ARACHIS HYPOGAEA; THEOBROMA CACAO; MYCOTOXICS; MALAYSIA/ PIPER NIGRUM; ORYZA SATIVA; COPRA

XB8705035

Tan, S.C. (Universiti Kebangsaan Malaysia, Bangi, Selangor. Jabatan Biokimia); Lam, P.F.; Abdullah H. Changes of the pectic substances in the ripening of bananas (*Musa sapientum*, cultivar Emas) after storage in polyethylene bags. (En). *ASEAN Food Journal (Malaysia)*. ISSN 0127-7324. (Jun 1986). v. 2(2) p. 76-77. BANANAS; CARBON DIOXIDE; PECTINS; INJURIOUS FACTORS/ STORAGE CONTAINERS

XB8705038

Suraphong Kosiyachinda (Kasetsart Univ. Bangkok (Thailand). Department of Horticulture). Design and fabrication of papaya [*Carica papaya*] fruit picker. (En). *ASEAN Food Journal (Malaysia)*. ISSN 0127-7324. (Jun 1986). v. 2(2) p. 84-85. CARICA PAPAYA; PICKING; CUTTING IMPLEMENTS; THAILAND/ HARVESTING LOSSES

XB8705010

Zaidah Idris; Abdul Shukor Abdul Rahman (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Teknologi Makanan). Research activities and progress related to postharvest handling and processing of beverages [*Coffea*; *Camellia sinensis*] and spices [*Piper nigrum*] [in Malaysia]. (En). Seminar Penyelidikan Tanaman Rempah dan Minuman. Kluang, Johor (Malaysia) 23-24 Jan 1985. Kluang, Johor (Malaysia). 1985. 32 p.. Ill.; 8 tables; 19 ref. \* Library, Universiti Pertanian Malaysia. Received Jan. 1987. COFFEA;

CAMELLIA SINENSIS; PIPER NIGRUM; MALAYSIA/ PROCESSING; RESEARCH; POSTHARVEST SYSTEMS

XB8705036

Augustin, M.A.; Mohd Nasir Azudin (Universiti Pertanian Malaysia, Serdang, Selangor. Fakulti Sains dan Teknologi Makanan). Storage of mangosteen (*Garcinia mangostana*, L.) [Malaysia]. (En). *ASEAN Food Journal (Malaysia)*. ISSN 0127-7324. (Jun 1986). v. 2(2) p. 78-80 .GARCINIA MANGOSTANA; KEEPING QUALITY; MALAYSIA/ STORAGE; TEMPERATURE; CHEMICOPHYSICAL PROPERTIES

XB8705042

Anon.Vapour heat treatment on Philippine mangoes [*Mangifera indica*]. (En). *PLANTI News (Malaysia)*. (Apr 1986). v. 5(1) p. 14. MANGIFERA INDICA; QUARANTINE; HEAT; PHILIPPINES/ DACUS

XB8605843

Burfield, D.R.Storage hardening of natural rubber: an examination of current mechanistic proposals. (En). *Journal of Natural Rubber Research (Malaysia)*. ISSN 0127-7065. (Sep 1986). v. 1(3) p. 202-208. RUBBER; STORAGE; INJURIOUS FACTORS/ DEGRADATION; HUMIDITY

**J14: Pengawasan, pengangkutan, storan dan perlindungan hasil perikanan dan akuakultur**

XB8705033

Summer, J. (Royal Melbourne Inst. of Technology, Australia); Orejana, F.; Cordial, N.Keeping quality in ice of Tilapia from warm and cold waters. (En). *ASEAN Food Journal (Malaysia)*. ISSN 0127-7324. (Jun 1986). v. 2(2) p. 71-73. TILAPIA; ICE; KEEPING QUALITY; STORAGE/ EVALUATION

**K: PERHUTANAN**

**K01: Perhutanan - Aspek am**

XB8705001

Rubeli, K. Tropical rain forest in South-East Asia: a pictorial journey. (En).ISBN 967-73-0013-X. Kuala Lumpur (Malaysia). Tropical Press Sdn. Bhd. 1986. 234 p. Ill.; Bibliography p. 228-234.\*; TROPICAL RAIN FORESTS; FORESTRY BIOLOGY; PLANT ECOLOGY

XB8705055

Abdul Rahim Nik; Baharuddin Kasran; Azman Hassan (Institut Penyelidikan Perhutanan Malaysia, Kepong, Selangor). Soil temperature regimes under mixed dipterocarp forests of Peninsular Malaysia. (En). *Pertanika (Malaysia)*. ISSN 0126-6128.(Dec 1986). v. 9(3) p. 277-

284. PENINSULAR MALAYSIA; DIPTEROCARPACEAE; SOIL TEMPERATURE; TROPICAL RAIN FORESTS/ SOIL THERMAL REGIMES; AIR TEMPERATURE

**K50: Pemprosesan**

XB8705105

Malaysian Timber Industry Board, Kuala Lumpur.Kembang Semangkok [Tropical hardwood produced by several species of *Scaphium*]. (En). *Maskayu (Malaysia)*. ISSN 0126-771X. (Dec 1986). v. 12 p. 9.\*; HARDWOOD; TROPICAL RAIN FORESTS; WOOD ANATOMY; MALAYSIA/ CHEMICOPHYSICAL PROPERTIES; USES

XB8705092

Lew, W.H. (Malaysian Timber Industry Board, Kuala Lumpur). Quality control of sawn rubberwood for export [Malaysia]. (En). *Warta Perdagangan Kayu (Malaysia)*. ISSN 0302-5802. (1985). v. 14(2) p. 12.SAWNWOOD; HEVEA BRASILIENSIS; QUALITY CONTROLS; MALAYSIA

XB8705085

Malaysian Timber Industry Board, Kuala Lumpur. A wider selection of timbers for panelling and partitions. (En). *Maskayu (Malaysia)*. ISSN 0126-771X. (Nov 1986). v. 11 p. 7.WOOD; WOOD PANELS; USES; MALAYSIA/ SPECIES

**L: SAINS PETERNAKAN, PENGELUARAN DAN PERLINDUNGAN**

**L01: Peternakan**

XB8605863

Dahlan, Ismail (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Ternakan); Mohd Mahyuddin Dahan; Ahmad Shokri Othman; Mohd Ariff Omar. Prediction of total lean meat of Kedah-Kelantan cattle and its crosses from live body measurements. (En). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709. (Apr 1986). v. 14 (1) p. 85-91. CATTLE; BEEF; BODY MEASUREMENTS; CROSSBREDS/ CARCASSES

XB8605861

Chen, C.P.; Othman Omar (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Ternakan). Effects of stocking rate and grazing management on cattle production from tropical grass *Digitaria setivalva* Stent [Peninsular Malaysia]. (En). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709. (Apr 1986). v. 14(1) p. 69-80. CATTLE; DIGITARIA; ROTATIONAL GRAZING; PENINSULAR MALAYSIA/PASTURES; COMPOSITION; ANIMAL PRODUCTION



XB8605862

Yeong, S.W.; Faizah Mohamad (Institute Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Ternakan). The effect of brewers grains on egg production of chickens [Malaysia]. (En). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709. (Apr 1986). v. 14(1) p. 81-84. CHICKENS; BREWERS GRAINS; EGGS; EGG ALBUMEN; MALAYSIA/ EGG PRODUCTION; COMPOSITION

XB8782037

Jabatan Pertanian, Kuching, Sarawak (Malaysia). Care of cross-bred broiler chicks. (En, Malay). *Farmers' Bulletin (Malaysia)*. (Dec 1986). (no. 261) p. 4. CHICKS; CROSSBREDS; DISEASE PREVENTION; SARAWAK/ POULTRY HOUSING

XB8605840

Abu Bakar Atim (Rubber Research Institute of Malaysia, Kuala Lumpur (Malaysia); Mohd Napi Daud; Abdul Malik Yaakob. Relationship of nectar flow on colony development and honey yield of *Apis cerana* under *Hevea brasiliensis* in Malaysia. (En). *Journal of Natural Rubber Research (Malaysia)*. ISSN 0127-7065. (Sep 1986). v. 1(3) p. 176-186. HONEYBEES; HEVEA BRASILIENSIS; NECTAR; HONEY/ CLONES; SUGAR; RAIN

XB8782036

Ho, S.B. Rabbit farming: revenue from rabbits [Malaysia]. (En). *Malaysian Business (Malaysia)*. ISSN 0126-5504. (16 Jan 1987). p. 28. RABBITS; MEAT INDUSTRY; MARKETS; MALAYSIA

XB8782003

Lee, E. Sheep rearing: sheep labour for the estates [Malaysia]. (En). *Malaysian Business (Malaysia)*. ISSN 0126-5504. 1 Jan 1987. p. 56-57. SHEEP; PLANTATIONS; HEVEA; MALAYSIA/ MIXED FARMING; WEED CONTROL; MEAT PRODUCTION

#### L02: Makanan ternakan

XB8605862

Yeong, S.W.; Faizah Mohamad (Institute Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Ternakan). The effect of brewers grains on egg production of chickens [Malaysia]. (En). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709. (Apr 1986). v. 14(1) p. 81-84. BREWERS GRAINS; EGGS; EGG ALBUMEN; MALAYSIA/ EGG PRODUCTION; COMPOSITION

XB8605864

Musaddin, Kamaruddin; Mohd Sukri Idris; Dahlan Ismail (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Kluang, Johor. Bahagian Penyelidikan Ternakan). [The effect of rations containing coffee pulp on the carcass performance of young LID x Red Dane bulls]. Kesan

pemakanan kulit kopi pada ciri karkas lembu jantan kacukan (LID x Red Dane). (En). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709. (Apr 1986). v. 14(1) p. 93-97. BULLS; COFFEA; CARCASSES; RATIONS/ EVALUATION; BODY REGIONS

XB8605859

Liang, J.B. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Ternakan); Winters, W.H.; Murray, R.M. Grazing behaviour as an indicator of nutritive value of feed and environmental effect on cattle [Australia]. (En). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709. (Apr 1986). v. 14(1) p. 59-62. CATTLE; GRAZING; PASTURES; AUSTRALIA/ DRY SEASONS; WET SEASONS; PERIODICITY; TIMING; BEHAVIOUR

XB8605861

Chen, C.P.; Othman Omar (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Ternakan). Effects of stocking rate and grazing management on cattle production from tropical grass *Digitaria setivalva* Stent [Peninsular Malaysia]. (En). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709. (Apr 1986). v. 14(1) p. 69-80. CATTLE; DIGITARIA; ROTATIONAL GRAZING; PENINSULAR MALAYSIA/ PASTURES; COMPOSITION; ANIMAL PRODUCTION

#### L10: Genetik dan pembiakbaikan ternakan

XB8782038

Natural breeding of lampam jawa [Carp; Sarawak]. Jabatan Pertanian, Kuching, Sarawak (Malaysia). (En, Malay). *Farmers' Bulletin (Malaysia)*. (Dec 1986). (no. 261) p. 4. CARP; SELECTION; SARAWAK/ BREEDS

#### L20: Ekologi haiwan

XB8705002

Mashhor Mansor. Population ecology. Ekologi Populasi. (Malay). Pulau Pinang (Malaysia). Universiti Sains Malaysia. 1986. 83 p. Bibliography p. 83.\*; POPULATION STRUCTURE; ECOLOGY

XB8782026

Sivarajasingam, S.; Sharif Haron (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Ternakan). [Genetic resources for the need of rearing livestock [in Malaysia]]. Sumber genetik ternakan keperluan pemeliharaan. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 18, 19.\*; LIVESTOCK; GENETIC RESOURCES; MALAYSIA



**L40: Struktur haiwan**

XB8605863

Dahlan, Ismail (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Ternakan); Mohd Mahyuddin Dahan; Ahmad Shokri Othman; Mohd Ariff Omar. Prediction of total lean meat of Kedah-Kelantan cattle and its crosses from live body measurements. (En). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709. (Apr 1986). v. 14(1) p. 85-91. CATTLE; BEEF; BODY MEASUREMENTS; CROSSBREDS/ CARCASSES

**L53: Fisiologi haiwan - Pengeluaran**

XB8605860

Sivarajasingam, S.Y.; Kumar, A.K.; Sobri, A.B. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Ternakan). Genetic and some environmental factors affecting birth weight of Zebu, Friesian and Jersey purebred and crossbred calves [Malaysia]. (En). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709. (Apr 1986). v. 14(1) p. 63-68. CALVES; WEIGHT; PARTURITION; MALAYSIA/ CROSSBREDS; PURE LINES; DRY SEASONS; WET SEASONS; MATERNITY

**L72: Perosak haiwan**

XB8605828

Ho, T.M.; Yap, H.H. Mites in poultry manure [Peninsular Malaysia]. (En). *Nature Malaysiana (Malaysia)*. ISSN 0126-5318. (Jan 1986). v. 11(1) p. 30-31. ACARINA; POULTRY; MANURES; PENINSULAR MALAYSIA/ IDENTIFICATION

**L74: Pelbagai penyakit haiwan**

XB8782019

Fauziah Haji Ismail (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai). [Toxicity of insecticides [Malaysia]]. Kebiasaan racun makhluk perosak. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 14. INSECTICIDES; TOXICITY; MALAYSIA

**M: PERIKANAN DAN AKUAKULTUR****M11: Pengeluaran perikanan**

XB8705039

Sivalingam, G. The fishing economy of Malaysia, technology, organization or production and income distribution in 1955-1975. (En). *Journal of the Malaysian Branch of the Royal Asiatic Society*. ISSN 0126-7353. (1986). v.

59(pt. 2) p. 51-80. FISHING OPERATIONS; FISHING INDUSTRY; TECHNOLOGY; MALAYSIA/ INCOME DISTRIBUTION

**M12: Pengeluaran dan pengurusan akuakultur**

XB8782004

Department of Agriculture, Kuching, Sarawak (Malaysia). Natural breeding of Lee Koh [Carp; Sarawak]. (En, Malay). *Farmers' Bulletin (Malaysia)*. (Nov 1986). (no. 260) p. 1-3. CARP; BREEDING METHODS; SARAWAK/ MATURITY

XB8782038

Natural breeding of lampam jawa [Carp; Sarawak]. Jabatan Pertanian, Kuching, Sarawak (Malaysia). (En, Malay). *Farmers' Bulletin (Malaysia)*. (Dec 1986). (no. 261) p. 4. CARP; SELECTION; SARAWAK/ BREEDS

XB8705063

Mohd Azmi Ambak; Mohsin, A.K.M. (Universiti Pertanian Malaysia, Serdang, Selangor. Jabatan Biologi Perikanan dan Akuakultur). Monitoring population parameters for fisheries management, 1: Species composition, abundance and distribution patterns of fishes in Paya Bungor [Peninsular Malaysia]. (En). *Pertanika (Malaysia)*. ISSN 0126-6128. (Dec 1986). v. 9(3) p. 339-351. FRESHWATER FISHES; POPULATION DISTRIBUTION; PREDATORS; PENINSULAR MALAYSIA/ SPECIES; MONITORING

**M40: Ekologi akuatik**

XB8605826

Soepadmo, E. Aquatic flowering plants. (En). *Nature Malaysiana (Malaysia)*. ISSN 0126-5318. (Jul 1986). v. 11(3) p. 16-25. AQUATIC PLANTS; PENINSULAR MALAYSIA/ BRACKISH WATER; FRESHWATER

XB8605825

Chou, L.M. Nudibranchs in Singapore waters. (En). *Nature Malaysiana (Malaysia)*. ISSN 0126-5318. (Jul 1986). v. 11(3) p. 12-15. CORAL REEFS; SINGAPORE/ MARINE ENVIRONMENT

XB8605829

Ng, P.K.L.; Maitland, D.P. The fresh water crabs of Singapore. (En). *Nature Malaysiana (Malaysia)*. ISSN 0126-5318. (Apr 1986). v. 11(2) p. 16-21. CRABS; FRESHWATER; SINGAPORE/ IDENTIFICATION; FRESHWATER ECOLOGY

XB8705077

Ridzwan Hashim; Che Bashah Che Chat (Universiti Kebangsaan Malaysia, Bangi, Selangor. Fakulti Sains dan Sumber Alam). [Introductory survey on the distribution and evaluation of holothurian in the water zones of Sabah

as source of foods]. Tinjauan awal taburan dan penilaian holothurian di beberapa kawasan perairan Sabah sebagai sumber pemakanan. (Malay). **Sumber (Malaysia)**. ISSN 0127-8037. (Dec 1985). (no. 1) p. 143-155. ECHINODERMATA; POPULATION DISTRIBUTION; SABAH/SPECIES; IDENTIFICATION; COMPOSITION; EVALUATION

**XB8705063**

Mohd Azmi Ambak; Mohsin, A.K.M. (Universiti Pertanian Malaysia, Serdang, Selangor. Jabatan Biologi Perikanan dan Akuakultur). Monitoring population parameters for fisheries management, 1: Species composition, abundance and distribution patterns of fishes in Paya Bungor [Peninsular Malaysia]. (En). **Pertanika (Malaysia)**. ISSN 0126-6128. (Dec 1986). v. 9(3) p. 339-351. FRESHWATER FISHES; POPULATION DISTRIBUTION; PREDATORS; PENINSULAR MALAYSIA/SPECIES; MONITORING

**N: JENTERA DAN KEJURUTERAAN  
PERTANIAN**

**N01: Kejuruteraan pertanian**

**XB8705076**

Hairi Abdullah; Zulkifly Haji Mustapha (Universiti Kebangsaan Malaysia, Bangi, Selangor. Fakulti Sains Pembangunan). Road infrastructure and agricultural development: A case of Sabah. (En). **Sumber (Malaysia)**. ISSN 0127-8037. (Dec 1985). (no. 1) p. 105-122.\*; ROADS; AGRICULTURAL DEVELOPMENT; NATIONAL EXPENDITURE; SABAH

**N20: Jentera dan peralatan pertanian**

**XB8782049**

Sharif Haron. Farm equipment: Machine boost for agriculture [Malaysia]. (En). **Malaysian Business (Malaysia)**. ISSN 0126-5504. (16 Feb 1987). p. 59, 61, 63.\*; COMBINE HARVESTERS; TRACTORS; PLOUGHS; MALAYSIA/ SPRAYERS; AERIAL APPLICATION

**XB8782050**

Khalid Jaffar. Mechanisation: More manual than machines. (En). **Malaysian Business (Malaysia)**. ISSN 0126-5504. (16 Feb 1987). p. 63, 64.\*; MECHANIZATION; TRACTORS; HARVESTERS; MALAYSIA/ AGRICULTURAL POLICIES

**XB8605847**

Abu Hassan D.; Said O. (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Bertam, Seberang Perai. Bahagian Penyelidikan Padi). [Two-wheel tractor mounted with levelling implements for paddy field [Malaysia]]. Alat perataan tanah sawah dengan traktor dua roda. (Malay). **Teknologi Padi (Malaysia)**. (Jun 1985). v. 1(2) p. 65-70.\*; TRACTORS; IMPLEMENTS; FIELDS; MALAYSIA/ LEVELLING; EVALUATION

**XB8705011**

Ayob Bin Sukra; Abdullah Hashim (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Makmal Penyelidikan Pusat). [Prospects and mechanization potential in tea [Camellia sinensis] towards overcoming problems related to the shortage of labour [in Malaysia]] Prospek dan potensi mekanisasi dalam tanaman teh bagi mengatasi masalah kekurangan tenaga buruh. (Malay). Seminar Penyelidikan Tanaman Rempah dan Minuman. Kluang, Johor (Malaysia) 23-24 Jan 1985. Kluang, Johor (Malaysia). 1985.10 p.. 1 table; 6 ref. Summaries (En, Malay). \* Library, Universiti Pertanian Malaysia. Received Jan. 1987.\*; MECHANIZATION; TEA INDUSTRY; LABOUR; MALAYSIA/ CUTTING; PRUNING

**XB8705038**

Suraphong Kosiyachinda (Kasetsart Univ. Bangkok (Thailand). Department of Horticulture). Design and fabrication of papaya [Carica papaya] fruit picker. (En). **ASEAN Food Journal (Malaysia)**. ISSN 0127-7324. (Jun 1986). v. 2(2) p. 84-85.\*; CARICA PAPAYA; PICKING; CUTTING IMPLEMENTS; THAILAND/ HARVESTING LOSSES

**P: SUMBER ALAM DAN  
SEKITARAN**

**P01: Pemuliharaan alam dan sumber tanah**

**XB8605824**

Chou, L.M.; Ng, P.K.L.; Tan, H.K. Last Bastion of Singapore's primary rain forest. (En). **Nature Malaysiana (Malaysia)**. ISSN 0126-5318. (Jul 1986). v. 11(3) p. 5-9.\*; FOREST TREES; SINGAPORE/ FLORA; FAUNA

**P05: Sumber tenaga dan pengurusan**

**XB8782031**

Ahmed Anwar Ismail (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Padi). [Effect on changes of energy [production costs] on the weed control technology]. Kesan perubahan tenaga ke atas teknologi kawalan rumpai. (Malay). **Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)**. ISSN 0127-1458. (1986). v. 8(2) p. 23.\*; FERTILIZERS; HERBICIDES; TECHNOLOGY; PRODUCT COSTS/ ENERGY SOURCES; WEED CONTROL

**P10: Sumber air dan pengurusan**

**XB8705045**

Mohamad Ishak Jaafar. [Food and its uses]. Makanan dan kegunaannya. (Malay). Kuala Lumpur (Malaysia). Dewan Bahasa dan Pustaka. 1985. 274 p. Bibliography p. 269-271.\*; FOODS; QUALITY; WATER; VITAMINS

**P32: Kimia dan genesis tanah**

XB8705061

Paramanathan, S.; Noordin Daud (Universiti Pertanian Malaysia, Serdang, Selangor. Jabatan Sains Tanah). Classification of acid sulfate soils of Peninsular Malaysia. (En). *Pertanika (Malaysia)*. ISSN 0126-6128.(Dec 1986). v. 9(3) p. 323-330. PENINSULAR MALAYSIA; ACID SOILS; SULPHATES; IDENTIFICATION/ SOIL CLASSIFICATION

**P33: Kimia dan fizik tanah**

XB8705060

Kamaruzaman Yusoff; Muhamad Majid, Nik (Universiti Pertanian Malaysia, Serdang, Selangor. Jabatan Pengeluaran Hutan). The impact of skid trails on the physical properties of tropical hill. (En). *Pertanika (Malaysia)*. ISSN 0126-6128.(Dec 1986). v. 9(3) p. 311-321. PENINSULAR MALAYSIA; FOREST SOILS; EROSION; TIMBER EXTRACTION/EVALUATION; SOIL PHYSICO-CHEMICAL PROPERTIES

XB8705055

Abdul Rahim Nik; Baharuddin Kasran; Azman Hassan (Institut Penyelidikan Perhutanan Malaysia, Kepong, Selangor). Soil temperature regimes under mixed dipterocarp forests of Peninsular Malaysia. (En). *Pertanika (Malaysia)*. ISSN 0126-6128. (Dec 1986). v. 9(3) p. 277-284. PENINSULAR MALAYSIA; DIPTEROCARPACEAE; SOIL TEMPERATURE; TROPICAL RAIN FORESTS/ SOIL THERMAL REGIMES; AIR TEMPERATURE

**P34: Biologi tanah**

XB8782013

Zainuddin Haji Meon (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Buah-buahan). [Fertilizing using microorganisms]. Pembajaan menggunakan mikro-organisma. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 7.\*; MYCORRHIZAE; ALGAE; MICROORGANISMS; GREEN MANURES

XB8605816

Foster, H.L.; Zin Zawawi Zakaria. Volatilisation losses of nitrogen from urea applied to Malaysian soils [commonly planted with oil palm] 2. Effect of granular size and soil properties. (En). *PORIM Bulletin (Malaysia)*. ISSN 0127-0249. (Nov 1986). (no. 13) p. 1-11. OIL PALMS; PENINSULAR MALAYSIA/ UREA; SOILS; NITROGEN; APPLICATION METHODS; CHEMICO-PHYSICAL PROPERTIES

**P35: Kesuburan tanah**

XB8605822

Chang, K.C. (Institut Penyelidikan Minyak Kelapa Sawit Malaysia, Kuala Lumpur, (Malaysia). Agronomy Section); Zakaria Abas. Leaching losses of N and K Fertilizers from mature fields of perennial crops in Malaysia - a review of local work. (En). *Planter (Malaysia)*. ISSN 0126-575X. (Nov 1986). v. 62(728) p. 468-487.\*; LEACHING; FERTILIZERS; MALAYSIA/ RAIN; NUTRIENTS; WATER

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

XB8782008

Saharan Haji Anang (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Tanaman Pelbagai). [Zero tillage - Weed management and soil reclamation]. Tanpa pembajakan - Pengurusan rumput-rumpai dan pemuliharaan tanah. (Malay). *Berita Penyelidikan - Institut Penyelidikan dan Kemajuan Pertanian Malaysia (Malaysia)*. ISSN 0127-1458. (1986). v. 8(2) p. 2.\*; WEED CONTROL; RECLAMATION; TILLAGE

XB8782006

Department of Agriculture, Kuching, Sarawak (Malaysia). Conserve your farm soil [Sarawak]. (En, Malay). *Farmers' Bulletin (Malaysia)*. (Nov 1986). (no. 260) p. 4.\*; EROSION; TERRACE CROPPING; MULCHING; SARAWAK/ SOIL CONSERVATION

**Q: PEMROSESAN HASIL PERTANIAN**

**Q01: Sains & teknologi makanan**

XB8705030

Lefebvre, M.S. (Syrinx Research Inst., Sydney (Australia)). Membrane technology and the food industry. (En). *ASEAN Food Journal (Malaysia)*. ISSN 0127-7324. (Jun 1986). v. 2(2) p. 51-57.\*; FOOD TECHNOLOGY; INDUSTRIAL DEVELOPMENT; SEPARATING/ OSMOSIS

**Q02: Pemrosesan dan pengawetan makanan**

XB8782002

Adinan Husin (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Teknologi Makanan). [Processing of agricultural commodities and the role of MARDI [Malaysian Agricultural Research and Development Institute] in the development of local food industry] Pemrosesan barangan pertanian dan peranan MARDI dalam pembangunan industri makanan tempatan. (Malay). Seminar Peluang-Peluang Mempelbagikan Bidang Perniagaan Selaras dengan keadaan Ekonomi

Semasa. Kuala Lumpur (Malaysia) 6-7 Aug 1986. Kuala Lumpur (Malaysia). 1986. 36 leaves. Appendix \*Library, Universiti Pertanian Malaysia. Received Jan. 1987.\*; FOOD INDUSTRIES; FOOD TECHNOLOGY; RESEARCH INSTITUTIONS; MALAYSIA

XB8705026

Ghani Senik; Salma Omar; Wan Mohamed Abd Hamid; Zaharah I. [Traditional Kelantan food [Peninsular Malaysia]]. Kueh tradisional Kelantan. (Malay). *Teknologi Makanan (Malaysia)*. ISSN 0127-4117. (Apr 1986). v. 5(1) p. 71-78.\*; FOOD TECHNOLOGY; PENINSULAR MALAYSIA

XB8705029

Pirie, N.W. Production, preservation and use of leaf protein. (En). *ASEAN Food Journal (Malaysia)*. ISSN 0127-7324. (Jun 1986). v. 2(2) p. 47-50.\*; VEGETABLE PROTEINS; LEAVES; PRESERVATION; BYPRODUCTS/ QUALITY; PROTEIN CONTENT

XB8705010

Zaidah Idris; Abdul Shukor Abdul Rahman (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Teknologi Makanan). Research activities and progress related to postharvest handling and processing of beverages [Coffea; Camellia sinensis] and spices [Piper nigrum] [in Malaysia]. (En). Seminar Penyelidikan Tanaman Rempah dan Minuman. Kluang, Johor (Malaysia) 23-24 Jan 1985. Kluang, Johor (Malaysia). 1985. 32 p. Ill.; 8 tables; 19 ref. \* Library, Universiti Pertanian Malaysia. Received Jan. 1987. COFFEA; CAMELLIA SINENSIS; PIPER NIGRUM; MALAYSIA/ PROCESSING; RESEARCH; POSTHARVEST SYSTEMS

XB8705034

Che Rahani Zakaria (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Teknologi Makanan). Determination of degree of lactose hydrolysis in milk by an enzymic cryoscopic method. (En). *ASEAN Food Journal (Malaysia)*. ISSN 0127-7324. (Jun 1986). v. 2(2) p. 74-75. MILK; LACTOSE; ENZYMIC ACTIVITY; ENZYME PREPARATIONS

XB8605848

Abdullah Ahmad (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Alor Setar, Kedah. Bahagian Penyelidikan Padi). [Factors affecting loss of protein during milling of rice]. (Malay). *Teknologi Padi (Malaysia)*. (Jun 1985). v. 1(2) p. 71-77. RICE; PROTEIN CONTENT; PROCESSING LOSSES; MILLING

XB8705031

Dharmstithi, S.C.; Flegel, W.; Bhumiratana, A. (Mahidol University, Bangkok (Thailand). Department of Microbiology). Isolation and characterization of amylase from *Aspergillus flavus* var. *columnaris*, a soy sauce koji mould.

(En). *ASEAN Food Journal (Malaysia)*. ISSN 0127-7324. (Jun 1986). v. 2(2) p. 59-63. SOYFOODS; ASPERGILLUS; AMYLASES; ENZYMIC ACTIVITY/ ISOLATION; IDENTIFICATION; SODIUM CHLORIDE; PH; TEMPERATURE; PURIFICATION

#### Q03: Pencemaran dan toksikologi makanan

XB8705022

Mat Isa Awang; Nazarifah Ibrahim. [Aflatoxin contamination in agricultural commodities [in Malaysia]]. Pencemaran aflatoksin dalam komoditi pertanian. (Malay). *Teknologi Makanan (Malaysia)*. ISSN 0127-4117. (Apr 1986). v. 5(1) p. 54-58.\*; ARACHIS HYPOGAEA; THEOBROMA CACAO; MYCOTOXICS; MALAYSIA/ PIPER NIGRUM; ORYZA SATIVA; COPRA

XB8705037

Ng, T.K.W. (Institut Penyelidikan Perubatan, Kuala Lumpur (Malaysia). Division of Human Nutrition). Polar material in the frying oils of a popular hawker trade [in Malaysia]. (En). *ASEAN Food Journal (Malaysia)*. ISSN 0127-7324. (Jun 1986). v. 2(2) p. 81-82. FATS; FRYING; BYPRODUCTS; NUTRITIVE VALUE/ FOOD HYGIENE

#### Q04: Kandungan makanan

XB8705045

Mohamad Ishak Jaafar. [Food and its uses]. Makanan dan kegunaannya. (Malay). Kuala Lumpur (Malaysia). Dewan Bahasa dan Pustaka. 1985. 274 p. Bibliography p. 269-271.\*; FOODS; QUALITY; WATER; VITAMINS

XB8705064

Lee, C.K. (Universiti Pertanian Malaysia, Serdang, Selangor. Jabatan Kimia); Finlayson, R.J. Analysis of milk powder by direct nebulization into inductively-coupled plasma. (En). *Pertanika (Malaysia)*. ISSN 0126-6128. (Dec 1986). v. 9(3) p. 353-358. DRIED MILK; SPECTROMETRY; CALCIUM; PHOSPHORUS/ DISPERSIONS; IRON; MAGNESIUM; SODIUM

XB8705016

Othman Hassan. [Sensory evaluation concept in the development of food product]. Konsep penilaian rasa dalam pembangunan hasil makanan. (Malay). *Teknologi Makanan (Malaysia)*. ISSN 0127-4117. (Apr 1986). v. 5(1) p. 16-21. FOODS; FLAVOUR; SMELL; TEXTURE/ EVALUATION; COLOUR; CONSUMER BEHAVIOUR

XB8705028

Chuah, E.C.; Che Rahani Zakaria. [Factors that influence the quality of meat]. Faktor-faktor yang mempengaruhi mutu daging. (Malay). *Teknologi Makanan (Malaysia)*. ISSN 0127-4117. (Apr 1986). v. 5(1) p. 83-89. MEAT;

QUALITY; COLOUR; FLAVOUR/ PH; EVALUATION

XB8705020

Zanariah Jiman. Junk food - Is the concept right? [Malaysia]. (En). *Teknologi Makanan (Malaysia)*. ISSN 0127-4117. (Apr 1986). v. 5(1) p. 43-48. PREPARED FOODS; VITAMINS; NUTRITIVE VALUE; MALAYSIA/ COMPOSITION

XB8705032

Karossi, T.A. (Indonesia Institute of Sciences, Jakarta. Research and Development Centre for Applied Chemistry); Sutherland, T.M. Characterization of pronase digestion rate and products of protein meals. (En). *ASEAN Food Journal (Malaysia)*. ISSN 0127-7324. (Jun 1986). v. 2(2) p. 64-70. PROTEIN PRODUCTS; DIGESTIBILITY; NITROGEN; CHROMATOGRAPHY/ PROTEASES; ENZYME PREPARATIONS; ENZYMIC ACTIVITY

XB8605846

Ajimilah Nyak Hussin (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Bumbong Lima, Seberang Perai. Bahagian Teknologi Makanan); Abdullah A.; Shamsuddin A. Status of production and quality of rice bran in Peninsular Malaysia. (En). *Teknologi Padi (Malaysia)*. (Jun 1985). v. 1(2) p. 59-64. RICE; BRAN; FEEDS; PENINSULAR MALAYSIA/ QUALITY; FATTY OILS

#### Q05: Makanan penampung

XB8705023

Lim, B.T.; Patimah Hasim; Chan, S.T. Synthetic colours in some local foods [Malaysia]. (En). *Teknologi Makanan (Malaysia)*. ISSN 0127-4117. (Apr 1986). v. 5(1) p. 59-63.\*; FOOD COLORANTS; REGULATIONS; MALAYSIA

XB8705024

Chia, J.S.; Maznah Atan. [Alum and its usage in food [in Malaysia]. Alum dan kegunaannya dalam makanan. (Malay). *Teknologi Makanan (Malaysia)*. ISSN 0127-4117. (Apr 1986). v. 5(1) p. 64-66.\*; FOOD ADDITIVES; KEEPING QUALITY; MALAYSIA/ CHEMICAL ANALYSIS

XB8705025

Hamzah Abd Rahman. [Hydrocolloid in food formulation]. Hidrokoloid dalam pemformulaan makanan. (Malay). *Teknologi Makanan (Malaysia)*. ISSN 0127-4117. (Apr 1986). v. 5(1) p. 67-70.\*; STABILIZERS; FOOD TECHNOLOGY; FORMULATIONS

#### Q52: Pemprosesan dan pengawetan makanan ternakan

XB8705062

Norhani Abdullah (Universiti Pertanian Malaysia, Ser-

dang, Selangor. Jabatan Biokimia dan Mikrobiologi). In vitro fermentation of mixed rumen microorganisms on molasses-based substrates. (En). *Pertanika (Malaysia)*. ISSN 0126-6128. (Dec 1986). v. 9(3) p. 331-337. MOLASSES; MICROORGANISMS; RUMEN; FERMENTATION / EQUIPMENT; SHEEP; DIGESTIVE JUICES; INCUBATION; UREA

#### Q54: Kandungan makanan ternakan

XB8605862

Yeong, S.W.; Faizah Mohamad (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Ternakan). The effect of brewers grains on egg production of chickens [Malaysia]. (En). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709. (Apr 1986). v. 14(1) p. 81-84. BREWERS GRAINS; EGGS; EGG ALBUMEN; MALAYSIA/ EGG PRODUCTION; COMPOSITION

XB8605861

Chen, C.P.; Othman Omar (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Serdang, Selangor. Bahagian Penyelidikan Ternakan). Effects of stocking rate and grazing management on cattle production from tropical grass *Digitaria setivalva* Stent [Peninsular Malaysia]. (En). *MARDI Research Bulletin (Malaysia)*. ISSN 0126-5709. (Apr 1986). v. 14(1) p. 69-80. CATTLE; DIGITARIA; ROTATIONAL GRAZING; PENINSULAR MALAYSIA/ PASTURES; COMPOSITION; ANIMAL PRODUCTION

XB8605846

Ajimilah Nyak Hussin (Institut Penyelidikan dan Kemajuan Pertanian Malaysia, Bumbong Lima, Seberang Perai. Bahagian Teknologi Makanan); Abdullah A.; Shamsuddin A. Status of production and quality of rice bran in Peninsular Malaysia. (En). *Teknologi Padi (Malaysia)*. (Jun 1985). v. 1(2) p. 59-64. RICE; BRAN; FEEDS; PENINSULAR MALAYSIA/ QUALITY; FATTY

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

XB8605819

Mohamad Husin; Abdul Halim Hassan; Ahmad Tarmizi Mohammed. Availability and potential utilization of oil palm trunks and fronds up to the year 2000 [in Peninsular Malaysia, Sabah, Sarawak] *PORIM Occasional Paper (Malaysia)*. ISSN 0127-2209. no. 20. Bangi, Selangor (Malaysia). Institut Penyelidikan Minyak Kelapa Sawit Malaysia. Jul 1986. 17 p. OIL PALMS; PENINSULAR MALAYSIA; SABAH; SARAWAK/ STEMS; TRANSPLANTING; USES; PULP; PAPER

XB8705051

Maycock, J.H. Palm oil and its products as boiler fuel. (En). *Palm Oil Developments (Malaysia)*. ISSN 0127-

3329. (Jun 1986). (no. 5) p. 14. PALM OILS; STEARIN; FUELS; USES

XB8705052

Hamirin Kifli; Salmiah Ahmad. Palm-based surfactants; detergents and white soaps. (En). *Palm Oil Developments (Malaysia)*. ISSN 0127-3329. (Jun 1986). (no. 5) p. 15-15. PALM OILS; USES/ SURFACE ACTIVE AGEN

**Q80: Pembungkusan**

XB8705018

Hasnah Midon; Mohd Ismail Abdullah. [The importance of packaging in storage and presentation of processed products]. Kepentingan pembungkusan dalam penyimpanan dan persembahan hasil keluaran yang diproses. (Malay). *Teknologi Makanan (Malaysia)*. ISSN 0127-4117. (Apr 1986). v. 5(1) p. 31-34.\*; KEEPING QUALITY; MARKETING TECHNIQUES; PRESERVATION/ PACKAGING

XB8705027

Rokiah Mohamad. [Canning of 'laksa' [Malaysian food] gravy]. Pengetinan kuah laksa. (Malay). *Teknologi Makanan (Malaysia)*. ISSN 0127-4117. (Apr 1986). v. 5(1) p. 79-82.\*; INSTANT FOODS; CANNING; MALAYSIA

**S: PEMAKANAN MANUSIA**

**S01: Pemakanan manusia - aspek am**

XB8705021

Abu Kasim Ali. [Instant noodles: Relationship between ethnic groups and consumption patterns [in Malaysia]]. Mi segera: Hubungan antara kaum dengan penggunaannya. (Malay). *Teknologi Makanan (Malaysia)*. ISSN 0127-4117. (Apr 1986). v. 5(1) p. 49-53. INSTANT FOODS; ETHNICITY; CONSUMPTION; MALAYSIA/ SURVEYS

**T: PENCEMARAN**

**T01: Pencemaran**

XB8782056

Mohd Yusof Hussein (Universiti Pertanian Malaysia, Serdang, Selangor. Jabatan Perlindungan Tumbuhan). [Pesticide Act and chemicals [Malaysia]]. Akta Racun Perosak dan bahan kimia. (Malay). *Majalah Pengembangan (Malaysia)*. ISSN 0126-5032. (Mar 1986). v. 9(1) p. 27-36.\*; PESTICIDES; LAWS; TOXICITY; MALAYSIA

XB8705078

Murtezda Mohamed; Lee, Y.H. (Universiti Kebangsaan Malaysia, Sabah. Fakulti Sains dan Sumber Alam). Heavy metals in rice [*Oryza sativa*] field soil of Lohan Valley, Sabah. (En). *Sumber (Malaysia)*. ISSN 0127-8037. (Dec 1985). (no. 1) p. 179-187. ORYZA SATIVA; HEAVY METALS; TOXICITY; SABAH/ SOIL TOXICITY

XB8705081

Wong, N.P.; John, C.K.; Chin, H.C.. Institut Penyelidikan Getah Malaysia, Kuala Lumpur. Environmentally acceptable natural rubber latex from Malaysia. (En). *Planters' Bulletin - Rubber Research Institute of Malaysia (Malaysia)*. ISSN 0032-096X. (Sep 1986). (no. 188) p. 97-101. RUBBER; AMINES; TOXICITY; MALAYSIA/ CONSUMER PROTECTION

# Istilah Pertanian Pilihan

## BAHASA INGGERIS

## BAHASA MALAYSIA

### A

Abietic acid	-	Asid abietik
Air passage	-	laluan udara
alcoholic fermentation	-	penapaian alkohol
alkaline soil	-	tanah beralkali
allometric growth	-	pertumbuhan alometri
animal vector	-	vektor haiwan
aplanospore	-	aplanospora
aqueous humour	-	gelema air

### B

bacteriochlorophyll	-	bakterioklorofil
bipinnate	-	dwipinat (daun)
bougainvillea	-	bunga kertas
bud scale	-	sisik tunas
bulb	-	bebawang
bulblet	-	sulur bebawang

### C

chromoprotein	-	kromoprotein
chrysalis	-	kepompong
clay humus complex	-	kompleks humus tanah liat
climax vegetation	-	tumbuhan kemuncak/ tumbuhan klimaks
clone	-	klon
cocoon	-	kokun
complete flower	-	bunga lengkap
consociation plant	-	tumbuhan konsosiasi
contour ploughing	-	bajakan kontur
contractile root	-	akar mengecut
cornified tissue	-	tisu keras
corrective tissue	-	tisu pembaik
creeping	-	menjalar
cross breeding	-	(pem) biakbaka(an) kacuk
cross (hybrid)	-	kacuk(an)
crumbs (soil)	-	reja-reja (tanah)
cuttings (vegetative)	-	keratan (tampang)
cyme	-	sima (daun)

### D

day neutral plants	-	tumbuhan neutral hari
decolorization of leaf	-	penyahwarnaan daun

degree of greenness	-	darjah kehijauan
derived protein	-	protein terbitan
diet	-	gizi
digestive juices	-	jus pencernaan
dorsal root ganglion	-	ganglion akar dorsal

### E

egg albumen	-	albumen telur
environmental adaptation	-	adaptasi persekitaran

### F

floating vegetation	-	tumbuhan apung
floral sexuality	-	seks flora
food reserve	-	simpanan makanan

### H

hermaphroditic animals	-	haiwan hermafrodit/ haiwan khunsa
homocercal caudal fin	-	sirip ekor homoserki

### I

insectivorous plant	-	tumbuhan insektivor
intake	-	pengambilan (makanan)
internal environment	-	sekitaran dalam

### J

jelly fish	-	ampai-ampai; obor-obor
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### L

lateral root	-	akar sisi
lateritic soil	-	tanah laterit
leaf buttress	-	banir daun
leaf divergence	-	pencapahan daun
leaf spine	-	duri daun
leaf trace	-	surih daun
leaflet	-	anak daun

### M

mesozoic flora	-	flora mesozoik
mesozoic fauna	-	fauna mesozoik
monoecious plant	-	tumbuhan monoesius
mottled (soil)	-	terpercik (tanah)

### N

nitrogen fixation	-	pengikatan nitrogen
nitrogen fixing bacteria	-	bakteria pengikat nitrogen
nucleoprotein	-	nukleoprotein

**P**

palaeobotany	-	paleobotani; kajifosil tumbuhan
palm kernel oil	-	minyak isirong sawit
pancreatic juice	-	jus pankreas
petal	-	ranggi/petal
plankton	-	plankton
plankton net	-	jaring plankton
pollen grain	-	butir debunga
pollen sac	-	pundi debunga
potato dextrose sugar	-	gula dekstroza kentang
primitive flower	-	bunga primitif

**R**

reafforestation	-	pugar penghutanan
redwood tree	-	pokok kayu merah/ pokok redwood
reproductive potential	-	keupayaan pembiakan
rill erosion	-	hakisan alur

**S**

seedling	-	anak benih/bibit
simple leaf	-	daun tunggal
soil atmosphere	-	atmosfera tanah

soil depth	-	dalam tanah
spring wood	-	kayu musim bunga
stem tendril	-	sulur batang
stem tuber	-	ubi batang
stump	-	tunggul

**V**

velum (Mushroom)	-	velum
ventral root	-	akar ventral

**W**

world soil group	-	kumpulan tanah dunia
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**Z**

zoospore	-	zoospora
zymoprotein	-	zimoprotein

## Pertukaran alamat

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

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



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## Kalendar Kongress Pertanian

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Kalendar ini menyenaraikan seminar, konferens, simposium dan bengkel peringkat kebangsaan dan antarabangsa mengenai pertanian dan pekerja-pekerja berkaitan dengannya yang akan diadakan dari bulan November 1988 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.

### November 14-19, 1988

Judul : Agronomy Course : Conductors  
Tempat : Training Centre, RRIM Experiment Station, Sg. Buloh, Selangor  
Anjuran : RRIM

### November 21-24, 1988

Judul : IAALD Regional Conference 1988 on Strategic Issues in Agricultural Information with special reference to developing countries  
Tempat : PPPL, Universiti Pertanian Malaysia  
Anjuran : IAALD/UPM

### November 21 - 26, 1988

Judul : Processing and Technology Course - Production of Conventional NR Grades  
Tempat : Training Centre, RRIM Experiment Station, Sg. Buloh, Selangor  
Anjuran : RRIM

### November 21 - 26, 1988

Judul : Seminar on Operation and Maintenance of Wastewater Treatment Plants  
Tempat : PPPI, Universiti Pertanian Malaysia  
Anjuran : UPM, Kementerian Kesihatan & DOE  
Kementerian Sains, Teknologi dan Alam Sekitar

### November 22-24, 1988

Judul : Persidangan Buah-Buahan  
Tempat : Kuala Lumpur  
Anjuran : Koperasi Kakitangan Kementerian Pertanian, MARDI & Majlis Industri Buah-Buahan Malaysia

### Januari 13-14, 1989

Judul : Seminar Japan International Cooperation Agency/Fakulti Perikanan dan Sains Samudera  
Tempat : Air Keroh, Melaka  
Anjuran : JICA

### Januari 30 - Februari 4, 1989

Judul : Bengkel Histopathologi Ikan  
Tempat : Universiti Pertanian Malaysia  
Anjuran : IDRC

### November, 1989

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

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3.	Abstrak Penukaran Biojisim Kepada Bahan Tenaga. (Abstracts on Bioconversion for Fuel Production). Okt. 1981	\$10.00
4.	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
5.	Bibliografi Alam Sekitar ASEAN. (ASEAN Environment Bibliography). 1981	\$ 5.00
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9.	Bibliografi Penyakit Merah (Bibliography on Penyakit Merah). Okt. 1983	\$ 5.00
10.	Bibliografi Penyeliaan dalam Pendidikan: Penyelia Sebagai Pemimpin Kumpulan (Bibliography on Supervision in Education: the supervisor as team leader). Ogos 1983	\$10.00
11.	Bibliografi Perhutanan Malaysia. (Bibliography of Malaysian Forestry). Nov. 1980	\$ 5.00
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17.	Bibliography of Malaysian Soils, 1981	\$10.00
18.	Hasil-hasil Hutan Malaysia dan Kegunaannya: sebuah bibliografi. (Malaysian Forest Products & Their Utilization: a bibliography). Okt. 1979	Percuma
19.	Kerbau: sebuah bibliografi. (Buffalo: a bibliography). 1979	Percuma
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21.	Makanan dan Pemakanan di Asia: sebuah bibliografi. (Food and Nutrition in Asia: a bibliography). 1981	\$ 5.00
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