

INDEKS BIOLOGI DAN PERTANIAN INDONESIA
(Indonesian Biological and Agricultural Index)

Vol. 36, No. 2

Tahun 2006



Departemen Pertanian
PUSAT PERPUSTAKAAN DAN PENYEBARAN TEKNOLOGI PERTANIAN
Jalan Ir. H. Juanda 20, Bogor 16122, Indonesia
2006

**INDEKS BIOLOGI DAN PERTANIAN
INDONESIA**

(Indonesian Biological and Agricultural
Index)

ISSN 0216-0803

Terbit sejak tahun 1969

Penanggung Jawab :

Dr. Mei Rochjat D., M.Ed..

Kepala Pusat Perpustakaan dan
Penyebaran Teknologi Pertanian

Penyusun :

Hendrawaty
Ariatin
Etty Andriaty
Sulastrri Kuslan

Alamat Redaksi :

Pusat Perpustakaan dan Penyebaran
Teknologi Pertanian
Jl. Ir. H. Juanda 20
B O G O R - 16122

Telepon No. : (0251) 321746
Facsimile : 62-0251-326561

Kata Pengantar

Indeks Biologi dan Pertanian Indonesia ini terbit tiga nomor setahun, berisi judul-judul karangan mengenai biologi dan pertanian di Indonesia yang dimuat dalam berbagai penerbitan dalam maupun luar negeri.

Indeks ini disusun menurut skema pembagian subyek dari AGRIS (The International Information System for Agricultural Sciences and Technology) dan masing-masing entri dilengkapi dengan kata kunci yang menggambarkan isi karangan. Kata kunci ini diambil dari AGROVOC edisi ke-4 tahun 1999, dan dipakai pula untuk indeks subyeknya.

Untuk menelusuri suatu karangan yang diinginkan, pengguna dapat mencarinya dari indeks pengarang dan indeks subyek. Daftar majalah dari karangan-karangan yang dimuat dalam indeks ini juga disertakan.

Semua karangan yang ada di dalam indeks ini ada di Pusat Perpustakaan dan Penyebaran Teknologi Pertanian, dan pengguna yang memerlukan karangan aslinya dapat menghubungi alamat dari Pusat tersebut.

Bogor, 2006

Kepala Pusat Perpustakaan dan
Penyebaran Teknologi Pertanian

DAFTAR ISI

	Halaman
A00 PERTANIAN SECARA UMUM	
A01 PERTANIAN – ASPEK UMUM.....	1
A50 PENELITIAN PERTANIAN.....	1
B00 GEOGRAFI DAN SEJARAH	
B50 SEJARAH	1
C00 PENDIDIKAN, PENYULUHAN DAN INFORMASI	
C20 PENYULUHAN DAN KOMUNIKASI	1
D00 ADMINISTRASI DAN PERATURAN PERUNDANG-UNDANGAN	
D50 HUKUM DAN PERATURAN PERUNDANG-UNDANGAN	3
E00 EKONOMI PERTANIAN, PEMBANGUNAN DAN SOSIOLOGI PEDESAAN	
E10 EKONOMI DAN KEBIJAKSANAAN NASIONAL MENGENAI PERTANIAN.....	4
E11 EKONOMI DAN KEBIJAKSANAAN NASIONAL MENGENAI LAHAN	4
E13 INVESTASI, KEUANGAN DAN KREDIT	5
E14 EKONOMI DAN KEBIJAKSANAAN PEMBANGUNAN.....	5
E16 EKONOMI PRODUKSI	8
E20 ORGANISASI, ADMINISTRASI DAN PENGELOLAAN PERUSAHAAN PERTANIAN / USAHA TANI.....	9
E21 AGRO INDUSTRI	11
E70 PERDAGANGAN, PEMASARAN DAN DISTRIBUSI.....	12
E71 PERDAGANGAN INTERNASIONAL.....	13
E80 EKONOMI RUMAH TANGGA, INDUSTRI RUMAH TANGGA DAN KERAJINAN TANGAN	14
F00 ILMU-ILMU PERTANIAN DAN PRODUKSI	
F01 PERTANAMAN	14
F02 PERBANYAKAN TANAMAN	17
F03 PRODUKSI DAN PERLAKUAN TERHADAP BIJI DAN BENIH.....	17
F04 PEMUPUKAN	18
F07 PENGOLAHAN TANAH	20
F08 POLA TANAM DAN SISTEM PENANAMAN	20
F30 GENETIKA DAN PEMULIAAN TANAMAN.....	21
F50 MORFOLOGI DAN ANATOMI TANAMAN.....	23
F60 FISILOGI DAN BIODIVERSITAS TANAMAN	23
F62 FISILOGI TANAMAN – PERTUMBUHAN DAN PERKEMBANGAN.....	28
F70 TAKSONOMI TANAMAN DAN SEBARAN GEOGRAFI.....	28
H00 PERLINDUNGAN TANAMAN	
H10 HAMA TANAMAN.....	28
H20 PENYAKIT TANAMAN	30
J00 TEKNOLOGI PASCA PANEN	
J11 PENANGANAN, TRANSPOR, PENYIMPANAN DAN PERLINDUNGAN HASIL TANAMAN	31
J13 PENANGANAN, TRANSPOR, PENYIMPANAN DAN PERLINDUNGAN HASIL PETERNAKAN	32

K00 KEHUTANAN	
K10 PRODUKSI HUTAN.....	32
K50 PENGOLAHAN HASIL HUTAN.....	33
L00 ILMU TERNAK, PRODUKSI DAN PERLINDUNGAN TERNAK	
L01 PETERNAKAN	33
L02 PAKAN TERNAK	34
L10 GENETIKA DAN PEMULIAAN TERNAK.....	35
L52 FISILOGI TERNAK - PERTUMBUHAN DAN PERKEMBANGAN	36
L53 FISILOGI TERNAK - REPRODUKSI.....	36
L70 ILMU VETERINER DAN KESEHATAN TERNAK - ASPEK UMUM.....	36
L73 PENYAKIT TERNAK.....	37
M00 PERIKANAN DAN KULTUR PERAIRAN	
M12 PRODUKSI DAN PENGELOLAAN BUDIDAYA PERAIRAN	38
M40 EKOLOGI PERAIRAN.....	38
N00 MESIN DAN ENJINIRING PERTANIAN	
N10 BANGUNAN-BANGUNAN PERTANIAN	38
N20 MESIN-MESIN DAN PERALATAN PERTANIAN	39
P00 SUMBERDAYA ALAM DAN LINGKUNGAN	
P01 KONSERVASI SUMBER DAYA ALAM DAN SUMBER DAYA LAHAN	40
P10 SUMBER DAYA AIR DAN PENGELOLAANNYA	41
P33 KIMIA DAN FISIKA TANAH.....	41
P34 BIOLOGI TANAH.....	41
P40 CUACA DAN IKLIM	41
Q00 PENGOLAHAN HASIL PERTANIAN	
Q02 PENGOLAHAN DAN PENGAWETAN MAKANAN	42
Q04 KOMPOSISI MAKANAN	44
Q05 ZAT TAMBAHAN PADA PANGAN	44
Q70 PENGOLAHAN LIMBAH PERTANIAN	44
S00 ILMU GIZI	
S01 ILMU GIZI – ASPEK UMUM.....	45
S20 FISILOGI GIZI.....	45
T00 POLUSI	
T01 POLUSI.....	45
U00 METODOLOGI	
U40 METODA SURVEI.....	46
INDEKS PENGARANG	47
INDEKS SUBYEK.....	51
INDEKS BADAN KORPORASI.....	63
INDEKS JURNAL.....	65

TABLE OF CONTENT

	Page
A00 AGRICULTURAL IN GENERAL	
A01 AGRICULTURE – GENERAL ASPECTS	1
A50 AGRICULTURAL RESEARCH	1
B00 GEOGRAPHY AND HISTORY	
B50 HISTORY	1
C00 EDUCATION, EXTENSION AND INFORMATION	
C20 EXTENSION	1
D00 ADMINISTRATION AND LEGISLATION	
D50 LEGISLATION	3
E00 AGRICULTURAL ECONOMICS, DEVELOPMENT AND RURAL SOCIOLOGY	
E10 AGRICULTURAL ECONOMICS AND POLICIES.....	4
E11 LAND ECONOMICS AND POLICIES	4
E13 INVESTMENT, FINANCE AND CREDIT	5
E14 DEVELOPMENT ECONOMICS AND POLICIES	5
E16 PRODUCTION ECONOMICS	8
E20 ORGANIZATION, ADMINISTRATION AND MANAGEMENT OF AGRICULTURAL ENTERPRISES OR FARMS.....	9
E21 AGROINDUSTRY.....	11
E70 TRADE, MARKETING AND DISTRIBUTION	12
E71 INTERNATIONAL TRADE	13
E80 HOME ECONOMICS, INDUSTRIES AND CRAFTS	14
F00 PLANT SCIENCE AND PRODUCTION	
F01 CROP HUSBANDRY	14
F02 PLANT PROPAGATION	17
F03 SEED PRODUCTION AND PROCESSING.....	17
F04 FERTILIZING.....	18
F07 SOIL CULTIVATION	20
F08 CROPPING PATTERNS AND SYSTEMS	20
F30 PLANT GENETICS AND BREEDING	21
F50 PLANT STRUCTURE	23
F60 PLANT PHYSIOLOGY AND BIOCHEMISTRY.....	23
F62 PLANT PHYSIOLOGY - GROWTH AND DEVELOPMENT	28
F70 PLANT TAXONOMY AND GEOGRAPHY	28
H00 PLANT PROTECTION	
H10 PESTS OF PLANTS.....	28
H20 PLANT DISEASES	30
J00 POSTHARVEST TECHNOLOGY	

J11 HANDLING, TRANSPORT, STORAGE AND PROTECTION OF PLANT PRODUCTS.....	31
J13 HANDLING, TRANSPORT, STORAGE AND PROTECTION OF ANIMAL PRODUCTS	32
K00 FORESTRY	
K10 FORESTRY PRODUCTION.....	32
K50 PROCESSING OF FOREST PRODUCTS	33
L00 ANIMAL SCIENCE, PRODUCTION AND PROTECTION	
L01 ANIMAL HUSBANDRY	33
L02 ANIMAL FEEDING	34
L10 ANIMAL GENETICS AND BREEDING	35
L52 ANIMAL PHYSIOLOGY - GROWTH AND DEVELOPMENT	36
L53 ANIMAL PHYSIOLOGY - REPRODUCTION.....	36
L70 VETERINARY SCIENCE AND HYGIENE - GENERAL ASPECTS	36
L73 ANIMAL DISEASES	37
M00 FISHERIES AND AQUACULTURE	
M12 AQUACULTURE PRODUCTION	38
M40 AQUATIC ECOLOGY	38
N00 AGRICULTURAL MACHINERY AND ENGINEERING	
N10 AGRICULTURAL STRUCTURES	38
N20 AGRICULTURAL MACHINERY AND EQUIPMENT	39
P00 NATURAL RESOURCES AND ENVIRONMENT	
P01 NATURE CONSERVATION AND LAND RESOURCES.....	40
P10 WATER RESOURCES AND MANAGEMENT	41
P33 SOIL CHEMISTRY AND PHYSICS	41
P34 SOIL BIOLOGY	41
P40 METEOROLOGY AND CLIMATOLOGY	41
Q00 PROCESSING OF AGRICULTURAL PRODUCTS	
Q02 FOOD PROCESSING AND PRESERVATION	42
Q04 FOOD COMPOSITION	44
Q05 FOOD ADDITIVES	44
Q70 PROCESSING OF AGRICULTURAL WASTES	44
S00 HUMAN NUTRITION	
S01 HUMAN NUTRITION – GENERAL ASPECTS	45
S20 PHYSIOLOGY OF HUMAN NUTRITION	45
T00 POLLUTION	
T01 POLLUTION.....	45
U00 METHODOLOGY	
U40 SURVEYING METHODS	46
AUTHOR INDEX	47
SUBJECT INDEX.....	51
CORPORATE BODY INDEX.....	63
JOURNAL INDEX	65

A01 AGRICULTURE - GENERAL ASPECTS / PERTANIAN - ASPEK UMUM

0301 MUBYARTO. [Agricultural reformation and people prosperity: case of Bekasi District]. Reformasi pertanian dan kesejahteraan rakyat: kasus Kabupaten Bekasi/Mubyarto. [National Seminar on Small Agricultural Enterprise Development Towards Agricultural Industrialization and Global Market]. [Kumpulan makalah] Seminar Nasional Membangun Pertanian Kerakyatan Menuju Industrialisasi dan Pasar Global/Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian. Keluarga Alumni. Yogyakarta (Indonesia), 2002: (pt. 6)

AGRICULTURE; SOCIAL GROUPS; ECONOMICS; INDUSTRIALIZATION; JAVA.

A50 AGRICULTURAL RESEARCH / PENELITIAN PERTANIAN

0302 TJITROPRANOTO, P. Promoting farmers participation on agricultural research and development/Tjitropranoto, P. (Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Agricultural Research Management Project). APEC Seminar on Agricultural Technology Transfer and Training: proceedings/Abdurachman, E.; Hapsari; Sugiharto, B.; Early, A.; Harpini, B.; Abubakar F.L.; Hendriana, N.; Maulana, M.; Harahap, Y.E.; Sarifudin, M.H. (eds.) Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): BADAN LITBANG PERTANIAN, 2001: p. 56-62 1 ill., 3 ref.

EXTENSION ACTIVITIES; FARMERS; AGRICULTURAL DEVELOPMENT; RESEARCH.

0303 WIRATMADJA, R. Promoting farmers participation on agricultural research and extension/Wiratmadja, R.. APEC Seminar on Agricultural Technology Transfer and Training: proceedings/Abdurachman, E.; Hapsari; Sugiharto, B.; Early, A.; Harpini, B.; Abubakar F.L.; Hendriana, N.; Maulana, M.; Harahap, Y.E.; Sarifudin, M.H. (eds.) Badan

Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): BADAN LITBANG PERTANIAN, 2001: p. 63-74 RESEARCH; EXTENSION ACTIVITIES; FARMERS.

B50 HISTORY / SEJARAH

0304 YAHMADI, M. [History of arabica coffee in Indonesia]. Sejarah kopi arabica di Indonesia/Yahmadi, M. (Asosiasi Eksportir Kopi Indonesia, Jakarta (Indonesia)). Warta Pusat Penelitian Kopi dan Kakao Indonesia (Indonesia) ISSN 0215-1308 (2000) v. 16(3) p. 180-188 3 tables; 10 ref.

ARABICA COFFEE; HISTORY; PLANT INTRODUCTION; GEOGRAPHICAL DISTRIBUTION; EXPORTS; PRODUCTION SPECIALIZATION; QUALITY; ENVIRONMENTAL FACTORS; INDONESIA.

C20 EXTENSION / PENYULUHAN DAN KOMUNIKASI

0305 BADAN PENGEMBANGAN SUMBERDAYA MANUSIA PERTANIAN, JAKARTA. [General guidance on developing agricultural extension program in province and regency]. Pedoman umum penyusunan program penyuluhan pertanian provinsi dan kabupaten/kota/Badan Pengembangan Sumberdaya Manusia Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): Badan Pengembangan Sumberdaya Manusia Pertanian, 2002: 10 p. 1 table

EXTENSION ACTIVITIES; AGRICULTURAL DEVELOPMENT; DEVELOPMENT PLANS; EVALUATION.

0306 BAGIAN PROYEK MANAJEMEN PENYULUHAN PERTANIAN, JAKARTA. [National policy of implementation of agricultural extension activities]. Kebijakan nasional penyelenggaraan penyuluhan pertanian/Bagian Proyek Manajemen Penyuluhan Pertanian, Jakarta (Indonesia).

Jakarta (Indonesia): Bagian Proyek Manajemen Penyuluhan Pertanian, 2002: 42 p.

AGRICULTURE; EXTENSION ACTIVITIES; AGROINDUSTRIAL SECTOR; DEVELOPMENT POLICIES.

0307 HARUN, R. Promoting farmers participation through the farmer's group approaches/Harun, R. (Balai Latihan Penyuluhan Pertanian, Lembang, Bandung (Indonesia)). APEC Seminar on Agricultural Technology Transfer and Training: proceedings/Abdurachman, E.; Hapsari; Sugiharto, B.; Early, A.; Harpini, B.; Abubakar F.L.; Hendriana, N.; Maulana, M.; Harahap, Y.E.; Sarifudin, M.H. (eds.). Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): BADAN LITBANG PERTANIAN, 2001: p. 111-126 12 ref.

INDONESIA; EXTENSION ACTIVITIES; AGRICULTURAL DEVELOPMENT; FARMERS ASSOCIATIONS.

0308 HUBEIS, A.V.S. Empowering farmer community through field assistance action program/Hubeis, A.V.S.; Sailah, I. (Institut Pertanian Bogor (Indonesia)). APEC Seminar on Agricultural Technology Transfer and Training: proceedings/Abdurachman, E.; Hapsari; Sugiharto, B.; Early, A.; Harpini, B.; Abubakar F.L.; Hendriana, N.; Maulana, M.; Harahap, Y.E.; Sarifudin, M.H. (eds.) Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): BADAN LITBANG PERTANIAN, 2001: p. 158-164

INDONESIA; EXTENSION ACTIVITIES; FARMERS; TRAINING; PARTICIPATION.

0309 JATNIKA, A. Role of agricultural in-service training center of Nganjuk to promote farmers in the future/Jatnika, A.; Saptorningsih (Balai Latihan Pegawai Pertanian, Nganjuk (Indonesia)). APEC Seminar on Agricultural Technology Transfer and Training: proceedings/Abdurachman, E.; Hapsari; Sugiharto, B.; Early, A.; Harpini, B.; Abubakar F.L.; Hendriana, N.; Maulana, M.; Harahap, Y.E.; Sarifudin, M.H. (eds.). Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): BADAN LITBANG PERTANIAN, 2001: p. 226-230 4 ref.

JAVA; EXTENSION ACTIVITIES; AGRICULTURAL SECTOR; FARMERS; PARTICIPATION; TRAINING.

0310 JIN GON AHN. Agricultural extension and technology transfer in Korea/Jin Gon Ahn (Deputy Director of International Technical Cooperation Center, Seoul (Korea). Rural Development Administration). APEC Seminar on Agricultural Technology Transfer and Training: proceedings/Abdurachman, E.; Hapsari; Sugiharto, B.; Early, A.; Harpini, B.; Abubakar F.L.; Hendriana, N.; Maulana, M.; Harahap, Y.E.; Sarifudin, M.H. (eds.). Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): BADAN LITBANG PERTANIAN, 2001: p. 83-102 3 ill., 3 tables

KOREA REPUBLIC; EXTENSION ACTIVITIES; TECHNOLOGY TRANSFER; FARMLAND; LABOUR; ECONOMIC DEVELOPMENT.

0311 OIKAWA, A. Establishment of new method agriculture technology transfer and training in the future/Oikawa, A. (Agency of Agricultural Human Resources Development, Jakarta (Indonesia). Project for Improvement of Agricultural Extension and Training System). APEC Seminar on Agricultural Technology Transfer and Training: proceedings/Abdurachman, E.; Hapsari; Sugiharto, B.; Early, A.; Harpini, B.; Abubakar F.L.; Hendriana, N.; Maulana, M.; Harahap, Y.E.; Sarifudin, M.H. (eds.) Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): BADAN LITBANG PERTANIAN, 2001: p. 40-47

INDONESIA; JAPAN; EXTENSION ACTIVITIES; TRAINING; TECHNOLOGY TRANSFER.

0312 PRIHONO. Agricultural training centre in Mataram West Nusa Tenggara /Prihono (Balai Latihan Pegawai Pertanian, Mataram (Indonesia)). APEC Seminar on Agricultural Technology Transfer and Training: proceedings/Abdurachman, E.; Hapsari; Sugiharto, B.; Early, A.; Harpini, B.; Abubakar

F.L.; Hendriana, N.; Maulana, M.; Harahap, Y.E.; Sarifudin, M.H. (eds.) Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): BADAN LITBANG PERTANIAN, 2001: p. 215-216

NUSA TENGGARA; AGRICULTURAL SECTOR; TECHNOLOGY TRANSFER; TRAINING.

0313 SALLEH, D.S.M. Model and method of agricultural extension and technology transfer, the Malaysian experience/Salleh, D.S.M. (Directorate of Human Resources Planning and Development, Kuala Lumpur (Malaysia)). APEC Seminar on Agricultural Technology Transfer and Training: proceedings/Abdurachman, E.; Hapsari; Sugiharto, B.; Early, A.; Harpini, B.; Abubakar F.L.; Hendriana, N.; Maulana, M.; Harahap, Y.E.; Sarifudin, M.H. (eds.) Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): BADAN LITBANG PERTANIAN, 2001: p. 29-39 2 ill., 12 ref.

MALAYSIA; EXTENSION ACTIVITIES; TECHNOLOGY TRANSFER; FARMERS.

0314 SARDJONO. [Agricultural extension and information dissemination]. Penyuluhan dan penyebaran informasi/Sardjono; Parwanto, A.; Yosaphat, P.. [Final year report of financial year 2001: engineering and development participatory project of Indonesian Center for Agricultural Engineering Research and Development, Serpong (Indonesia)]: Book 2, part 2. Laporan akhir tahun bagian proyek perekayasa dan pengembangan Alsintan Serpong tahun anggaran 2001/Balai Besar Pengembangan Alat dan Mesin Pertanian, Serpong-Tangerang (Indonesia). Serpong-Tangerang (Indonesia): BBP ALSINTAN, 2001: (pt. 8) p. 1-33 28 ill., 1 table; Appendices

EQUIPMENT; EXTENSION ACTIVITIES; TECHNOLOGY; INNOVATION.

0315 THAMRIN, M. Experiences and obstacle of technology transfer and training in Maros Regency/Thamrin, M. (Balai Penyuluhan Pertanian Maros (Indonesia)). APEC Seminar on Agricultural Technology Transfer and Training: proceedings /Abdurachman, E.; Hapsari; Sugiharto, B.; Early, A.; Harpini, B.;

Abubakar F.L.; Hendriana, N.; Maulana, M.; Harahap, Y.E.; Sarifudin, M.H. (eds.) Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): BADAN LITBANG PERTANIAN, 2001: p. 210-214

SULAWESI; AGRICULTURAL DEVELOPMENT; FISHERMEN; TRAINING; TECHNOLOGY TRANSFER; EXTENSION ACTIVITIES.

0316 WINARSIH, E. Success and the problems in agriculture technology transfer in Nganjuk/Winarsih, E. (Balai Informasi Penyuluhan Pertanian, Nganjuk (Indonesia)). APEC Seminar on Agricultural Technology Transfer and Training: proceedings /Abdurachman, E.; Hapsari; Sugiharto, B.; Early, A.; Harpini, B.; Abubakar F.L.; Hendriana, N.; Maulana, M.; Harahap, Y.E.; Sarifudin, M.H. (eds.) Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): BADAN LITBANG PERTANIAN, 2001: p. 245-249 1 ill.

JAVA; AGRICULTURAL DEVELOPMENT; TECHNOLOGY TRANSFER; EXTENSION ACTIVITIES; FARMERS; PARTICIPATION.

D50 LEGISLATION / HUKUM DAN PERATURAN PERUNDANG-UNDANGAN

0317 ANON. [Procedure on application for meat imports]. Tata cara permohonan impor daging/Anon.. Manual Kesmavet (Indonesia) ISSN 0216-4868 (2002) (no. 1) p. 1-4

MEAT; IMPORTS; REGULATIONS; QUALITY.

0318 DIREKTORAT PUPUK DAN PESTISIDA, JAKARTA. . [Guidance of fertilizer controlling]. Pedoman pengawasan pupuk/Direktorat Pupuk dan Pestisida, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Pupuk dan Pestisida, 2001: 71 p. Appendices

FERTILIZERS; REGULATIONS; MARKETING CHANNELS; STOCKS; MONITORING; CONSUMER PROTECTION; PRODUCT LABELLING.

0319 WINARYO. [Inspection and certification of organic agriculture with its application proposal]. Inspeksi dan sertifikasi pertanian organik serta pengajuan aplikasinya/Winaryo. Warta Pusat Penelitian Kopi dan Kakao Indonesia (Indonesia) ISSN 0215-1308 (2002) v. 18(2) p. 58-70 3 ref.

ORGANIC AGRICULTURE; QUALITY CONTROLS; CERTIFICATION.

E10 AGRICULTURAL ECONOMICS AND POLICIES / EKONOMI DAN KEBIJAKSANAAN NASIONAL MENGENAI PERTANIAN

0320 ASHARI. [Phenomenon of lowland conversion at Java Island]. Fenomena konversi lahan sawah di Pulau Jawa/Ashari (Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(2) p. 3-4

RICE; IRRIGATED LAND; SOIL DIVERSION; PRODUCTION; JAVA.

0321 HASANUDDIN, A. Research and development policy of legume and tuber crops. Kebijakan penelitian dan pengembangan tanaman aneka kacang dan umbi/Hasanuddin, S.; Partohardjono, S.; Hidayat, J.R.; Wargiono (Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia)). [Innovation technology for legume and root crops supporting food security]. Teknologi inovatif tanaman kacang-kacangan dan umbi-umbian mendukung ketahanan pangan/Jusuf, M.; Soejitno, J.; Sudaryono; Arsyad, D.M.; Rahmianna, A.A.; Heriyanto; Marwoto; Tastra, I K.; Adie, M.M.; Hermanto (eds.). Malang (Indonesia): BALITKABI, 2002: p. 1-18 3 tables; 12 ref. Summary (In)

LEGUMES; ROOT CROPS; FOOD SECURITY; DEVELOPMENT POLICIES; RESEARCH; AGRICULTURAL DEVELOPMENT.

0322 INDRAWANTO, C. [Role, position and prospect of Cinamon in Indonesia]. Peran, posisi dan prospek kayumanis Indonesia/ Indrawanto, C.; Rosmeilisa, P. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)).

[Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGBUN, 2002: p. 385-389 1 ill., 1 table; 4 ref. Summary (In)

CINNAMOMUM BURMANNI; EXPORTS; INDUSTRIAL USES; DEMAND; INTERNATIONAL TRADE; DOMESTIC CONSUMPTION; ECONOMIC VALUE.

0323 PURNOMO, B. [Potential of regional economy]. Potensi ekonomi daerah/Purnomo, B. (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Ekonomi). [Proceedings of National Symposium of Land Capability Based Regional Planning and Its Implicatie to Local Economy]. Prosiding Simposium Nasional Tata Ruang Daerah Berbasis Kemampuan Lahan dan Implikasinya pada Ekonomi Local/Prastistho, B.; Bahagiarti, S.; Sastroprawiro, S.; Udjiyanto, D.W.; Wuryani, S.; Nurcholis, M. (eds.) Universitas Pembangunan Nasional Veteran Yogyakarta (Indonesia). Yogyakarta (Indonesia): UPN Veteran, 2003: p. 77-79 1 ill., 1 table

ECONOMIC DEVELOPMENT; AGRICULTURAL ECONOMICS; MARKET ECONOMICS; REGIONAL ACCOUNTING.

E11 LAND ECONOMICS AND POLICIES / EKONOMI DAN KEBIJAKSANAAN NASIONAL MENGENAI LAHAN

0324 ARIEF, T. [Land suitability for superior agricultural commodities in South Sumatra]. Kesesuaian lahan untuk komoditas unggulan pertanian di Sumatera Selatan/Arief, T.; Muhadjir; Bamualim, A. (Balai Pengkajian Teknologi Pertanian Sumatera Selatan, Palembang (Indonesia)). [Cultivation technology of superior commodities in South Sumatra (Indonesia)]. Teknologi budidaya komoditas unggulan Sumatera Selatan/Bamualim, A.; Wirdahayati, R.B.; Muhadjir (eds.) Balai Pengkajian Teknologi Pertanian Sumatera Selatan, Palembang (Indonesia). Palembang (Indonesia): BPTP Sumatera Selatan, 2003: p. 1-10 8 tables; 4 ref.

FOOD CROPS; HORTICULTURE; LAND SUITABILITY; AGROECOSYSTEMS; SUMATRA.

0325 SAPTANA. [Land use: its implication on farm income]. Penatagunaan lahan, implikasinya terhadap pendapatan petani/ Saptana; Supriyati; Supriatna, Y. (Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia)). *Warta Penelitian dan Pengembangan Pertanian (Indonesia)* ISSN 0216-4427 (2003) v. 24(4) p. 6-7
KALIMANTAN; JAVA; LAND USE; FARM INCOME; RURAL SOCIOLOGY; RURAL AREAS.

0326 WIBAWA, A. [Development of land qualities and potential of arabica coffee development in Indonesia]. Perkembangan kualitas lahan dan potensi pengembangan kopi arabika di Indonesia/Wibawa, A.. *Warta Pusat Penelitian Kopi dan Kakao Indonesia (Indonesia)* ISSN 0215-1308 (2000) v. 16(3) p. 206-217 6 ill., 5 tables; 25 ref.

ARABICA COFFEE; SOIL TYPES; SOIL CHEMICOPHYSICAL PROPERTIES; AGRICULTURAL DEVELOPMENT; LAND SUITABILITY; PRODUCTION; RAIN.

E13 INVESTMENT, FINANCE, AND CREDIT / INVESTASI, KEUANGAN DAN KREDIT

0327 DIREKTORAT JENDERAL BINA PRODUKSI HORTIKULTURA, JAKARTA. [Capability of *Aloe vera* farmers to acces credit from bank]. Petani lidah buaya kini telah mampu mengakses kredit/Direktorat Jenderal Bina Produksi Hortikultura, Jakarta (Indonesia). *Hortikultura (Indonesia)* ISSN 1412-5250 (2003) v. 2(11) p. 52-53 3 ill.

ALOE BARBADENSIS; FARMING SYSTEMS; CREDIT.

0328 DIREKTORAT JENDERAL BINA SARANA PERTANIAN, JAKARTA. [Guidance on food security credit]. Pedoman SKIM Kredit Ketahanan Pangan (KKP)/ Direktorat Jenderal Bina Sarana Pertanian,

Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Jenderal Bina Sarana Pertanian, 2001: 8 p. Appendixes

CREDIT; WORKING CAPITAL; FOOD SECURITY; FARMERS ASSOCIATIONS; COOPERATION; BANKING; FARM INCOME; MONITORING.

0329 DIREKTORAT JENDERAL BINA SARANA PERTANIAN, JAKARTA. [Technical guidance for utilization of poverty alleviation (taskin) credit on agribusiness]. Petunjuk teknis pemanfaatan skim kredit taskin agribisnis/Direktorat Jenderal Bina Sarana Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): Dirjen. Bina Sarana Pertanian, 2001: 26 p. 4 tables

CREDIT; AGROINDUSTRIAL SECTOR; POVERTY.

E14 DEVELOPMENT ECONOMICS AND POLICIES / EKONOMI DAN KEBIJAKSANAAN PEMBANGUNAN

0330 ACOBA, E.P. Related issues to promote farmer participation in agricultural technology transfer/Acoba, E.P. (Department of Agriculture, Manila (Philippines). Agriculture Training Institute). APEC Seminar on Agricultural Technology Transfer and Training: proceedings/Abdurachman, E.; Hapsari; Sugiharto, B.; Early, A.; Harpini, B.; Abubakar F.L.; Hendriana, N.; Maulana, M.; Harahap, Y.E.; Sarifudin, M.H. (eds.) Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): BADAN LITBANG PERTANIAN, 2001: p. 48-55 5 ref.

AGRICULTURAL DEVELOPMENT; TECHNOLOGY TRANSFER; FARMERS; ADVISORY OFFICERS.

0331 DARMOWIJONO, S. [Institutional policy of agricultural organization to support agricultural development and regional autonomous]. Kebijakan kelembagaan organisasi pertanian dan otonomi daerah/Darmowijono, S.. [National Seminar on Small Agricultural Enterprise Development Towards Agricultural Industrialization and Global

Market]. [Kumpulan makalah] Seminar Nasional Membangun Pertanian Kerakyatan Menuju Industrialisasi dan Pasar Global/ Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian. Keluarga Alumni. Yogyakarta (Indonesia), 2002: (pt. 2) 1 ill.

AGRICULTURAL DEVELOPMENT;
AGROINDUSTRIAL SECTOR; INDUSTRY;
FARM INCOME; ON-FARM RESEARCH.

0332 DINAS PERKEBUNAN PROPINSI JAWA TIMUR, SURABAYA. [Problems of tobacco development in East Java]. Permasalahan pengembangan tembakau di Jawa Timur/Dinas Perkebunan Propinsi Jawa Timur, Surabaya (Indonesia). [Proceeding of the Workshop on Tobacco Agribusiness]. Prosiding Lokakarya Agribisnis Tembakau// Suwarso; Tirtosastro, S.; Murdiyati, A.S.; Dalmadiyo, G.; Mastur; Mukani (eds.) Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGBUN, 2003: p. 15-19 2 tables. Appendix

NICOTIANA TABACUM; PRODUCTION;
SOCIOECONOMIC ENVIRONMENT;
DEVELOPMENT AGENCIES; FARMERS
ASSOCIATIONS; CAPITAL; AP-PROPRIATE
TECHNOLOGY; FARM INPUTS; JAVA.

0333 DINAS PERKEBUNAN PROPINSI NUSA TENGGARA BARAT, MATARAM. [Problems on virginia tobacco industrial development in Lombok, West Nusa Tenggara]. Pokok permasalahan dalam usaha pengembangan tembakau di Lombok-NTB/Dinas Perkebunan Propinsi Nusa Tenggara Barat, Mataram (Indonesia). [Proceeding of the Workshop on Tobacco Agribusiness]. Prosiding Lokakarya Agribisnis Tembakau/Suwarso; Tirtosastro, S.; Murdiyati, A.S.; Dalmadiyo, G.; Mastur; Mukani (eds.) Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGBUN, 2003: p. 6-13 2 ill., 3 tables

NICOTIANA TABACUM; DEVELOPMENT
POLICIES; PARTNERSHIPS; DEVELOP-
MENT AGENCIES; FARMERS;
INVESTMENT; GOVERNMENT; SUPPLY
BALANCE; NUSA TENGGARA.

0334 IRIANTO, G. [Prime commodity zoning and development to support regional autonomous implementation]. Zonafikasi dan pengembangan komoditas unggulan untuk mendukung pelaksanaan otonomi daerah/ Irianto, G.; Mulyani, A. (Pusat Penelitian dan Pengembangan Tanah dan Agroklimat, Bogor (Indonesia)). [National Seminar on Small Agricultural Enterprise Development Towards Agricultural Industrialization and Global Market]. [Kumpulan makalah] Seminar Nasional Membangun Pertanian Kerakyatan Menuju Industrialisasi dan Pasar Global/Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian. Keluarga Alumni. Yogyakarta (Indonesia), 2002: p. 1-19 10 ill., 2 tables; 6 ref.

AGRICULTURAL SECTOR; AGRI-
CULTURAL DEVELOPMENT; RESOURCE
MANAGEMENT; CROPS; PRODUCTION.

0335 JEN PIN CHEN. Farmer's participation on agricultural technology transfer in chinese Taipei/Jen Pin Chen (Director of Agricultural Extension Division, Taipei (Taiwan). Farmers Service Department). APEC Seminar on Agricultural Technology Transfer and Training: proceedings/ Abdurachman, E.; Hapsari; Sugiharto, B.; Early, A.; Harpini, B.; Abubakar F.L.; Hendriana, N.; Maulana, M.; Harahap, Y.E.; Sarifudin, M.H. (eds.) Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): BADAN LITBANG PERTANIAN, 2001: p. 103-108 1 ill.

TAIWAN; FARMERS; TECHNOLOGY
TRANSFER; PARTICIPATION; ECONOMIC
DEVELOPMENT; SOCIAL CONDITIONS;
EXTENSION ACTIVITIES.

0336 MAARIF, M.S. [Improving strategy of the quality of traditional fisheries agroindustry products; case study at Muara Angke, Jakarta]. Strategi peningkatan mutu produk hasil agroindustri perikanan tradisional (studi kasus PHPT Muara Angke)/Maarif, M.S. (Institut Pertanian Bogor (Indonesia). Fakultas Teknologi Pertanian); Rahardjo, M.. Jurnal Teknologi Industri Pertanian (Indonesia) ISSN 0216-3160 (2001) v. 10(3) p. 99-108 2 ill., 9 tables; 14 ref. Summary (En)

SALTED FISH; QUALITY; TRADITIONAL TECHNOLOGY; INFRASTRUCTURE; POSTHARVEST TECHNOLOGY; INNOVATION; INDIGENOUS KNOWLEDGE; AGROINDUSTRIAL SECTOR.

0337 MAWARDI, S. [Constraints of organic agriculture development in Indonesia]. Kendala pengembangan pertanian organik di Indonesia/Mawardi, S. (Pusat Penelitian Kopi dan Kakao, Jember (Indonesia)). Warta Pusat Penelitian Kopi dan Kakao Indonesia (Indonesia) ISSN 0215-1308 (2002) v. 18(2) p. 48-57 2 tables; 12 ref.

ORGANIC AGRICULTURE; MARKETS; AGRICULTURAL DEVELOPMENT; INDONESIA; EUROPE; CHINA; INDIA.

0338 PUSAT PENELITIAN DAN PENGEMBANGAN TANAMAN PANGAN, BOGOR. [Integrated plant management: technology innovation of food crops production]. Pengelolaan tanaman terpadu: inovasi teknologi produksi pangan/Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2002: 66 p. 40 tables

FOOD CROPS; TECHNOLOGY TRANSFER; INNOVATION; PRODUCTION INCREASE.

0339 SAENONG, S. Success story and the constraints of transfer technology and training of farmers in South Sulawesi/Saenong, S. (Instalasi Penelitian dan Pengkajian Teknologi Pertanian, Makassar (Indonesia)); Amirullah. APEC Seminar on Agricultural Technology Transfer and Training: proceedings /Abdurachman, E.; Hapsari, Sugiharto, B.; Early, A.; Harpini, B.; Abubakar F.L.; Hendriana, N.; Maulana, M.; Harahap, Y.E.; Sarifudin, M.H. (eds.) Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): BADAN LITBANG PERTANIAN, 2001: p. 127-134 2 tables

SULAWESI; AGRICULTURAL DEVELOPMENT; TECHNOLOGY TRANSFER; RESEARCH; FARMERS; PARTICIPATION; TRAINING.

0340 SAIFULLAH, A. [Supporting agent for agricultural commodity market to realize food security]. Badan penyangga kebijaksanaan pasar hasil-hasil pertanian dalam usaha menciptakan ketahanan pangan/Saifullah, A.. [National Seminar on Small Agricultural Enterprise Development Towards Agricultural Industrialization and Global Market]. [Kumpulan makalah] Seminar Nasional Membangun Pertanian Kerakyatan Menuju Industrialisasi dan Pasar Global/Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian. Keluarga Alumni. Yogyakarta (Indonesia), 2002: (pt. 5) 2 ill., 8 ref.

AGRICULTURAL PRODUCTS; AGRO-INDUSTRIAL SECTOR; FOOD SUPPLY; STABILITY; MARKET ECONOMICS; SUPPLY BALANCE; AGRICULTURAL STRUCTURE; YIELDS.

0341 SUBIYANTO, I. [Development agenda of Sleman regency on Merapi slope sub areas]. Agenda pembangunan Kabupaten Sleman pada sub kawasan lereng Merapi /Subiyanto, I. (Pemerintah Daerah Tingkat II Sleman (Indonesia)). [Proceedings of National Simposium of Land Capability Based Regional Planning and Its Implicatie to Local Economy]. Prosiding Simposium Nasional Tata Ruang Daerah Berbasis Kemampuan Lahan dan Implikasinya Pada Ekonomi Lokal/Prastistho, B.; Bahagiarti, S.; Sastroprawiro, S.; Udjiyanto, D.W.; Wuryani, S.; Nurcholis, M. (eds.) Universitas Pembangunan Nasional Veteran Yogyakarta (Indonesia). Yogyakarta (Indonesia): UPN Veteran, 2003: p. 5-8 2 ill.

JAVA; INTEGRATED RURAL DEVELOPMENT; LAND MANAGEMENT; NATURE CONSERVATION; REGIONAL DEVELOPMENT.

0342 SUPRIYANTO. [Problems of tobacco development in Central Java]. Permasalahan pengembangan tembakau di Jawa Tengah /Supriyanto; Larsito, S.; Basuki, H. (Dinas Perkebunan Propinsi Jawa Tengah, Semarang (Indonesia)). [Proceeding of the Workshop on Tobacco Agribusiness]. Prosiding Lokakarya Agribisnis Tembakau/Suwarso; Tirtosastro, S.; Murdiyati, A.S.; Dalmadiyo, G.; Mastur; Mukani (eds.) Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGBUN, 2003: p. 21-27 4 tables

NICOTIANA TABACUM; DEVELOPMENT POLICIES; INTENSIFICATION; PRODUCTION; MARKETING; PRODUCTIVITY; QUALITY; TECHNOLOGY TRANSFER; JAVA.

0343 SUTOMO. Agricultural technology transfer and training activities in Lampung Tengah District, Lampung Province/Sutomo. APEC Seminar on Agricultural Technology Transfer and Training: proceedings /Abdurachman, E.; Hapsari; Sugi-harto, B.; Early, A.; Harpini, B.; Abubakar F.L.; Hendriana, N.; Maulana, M.; Harahap, Y.E.; Sarifudin, M.H. (eds.) Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): BADAN LITBANG PERTANIAN, 2001: p. 202-203

SUMATRA; AGRICULTURAL DEVELOPMENT; TECHNOLOGY TRANSFER; TRAINING; FARMERS; RESEARCH; EXTENSION ACTIVITIES.

0344 THOHARI, E.S. [Costing aspect on supporting farmer empowerment for agribusiness]. Aspek pembiayaan dalam mendukung pemberdayaan petani untuk usaha agribisnis/Thohari, E.S. (Direktorat Jenderal Bina Sarana Pertanian, Jakarta (Indonesia)). [Proceedings of Scientific Meeting/ Technology Exhibition of Agricultural Machinery]. Prosiding Temu Ilmiah/Gelar Teknologi Alsintan/Haryono; Sardjono; Nugroho, P.; Triwahyudi, S.; Parwanto, A.; Utami, S. (eds.) Balai Besar Pengembangan Mekanisasi Pertanian, Serpong-Tangerang (Indonesia). Serpong-Tangerang (Indonesia): Balai Besar Pengembangan Mekanisasi Pertanian, 2002: p. 1-17 1 table; appendix

AGRICULTURAL DEVELOPMENT; AGROINDUSTRIAL SECTOR; CAPITAL; FARMERS; CREDIT; BANKING; FINANCIAL INSTITUTIONS.

0345 UTOMO, W. [Prospect and challenge of regional autonomy implementation]. Prospek dan tantangan pelaksanaan otonomi daerah/ Utomo, W. (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Ilmu Sosial dan Ilmu Politik). [Proceedings of National Symposium of Land Capability Based Regional Planning and Its Implication to Local Economy].

Prosiding Simposium Nasional Tata Ruang Daerah Berbasis Kemampuan Lahan dan Implikasinya pada Ekonomi Lokal/Prastitho, B.; Bahagiarti, S.; Sastroprawiro, S.; Udjianto, D.W.; Wuryani, S.; Nurcholis, M. (eds.) Universitas Pembangunan Nasional Veteran Yogyakarta (Indonesia). Yogyakarta (Indonesia): UPN Veteran, 2003: p. 1-4

REGIONAL GOVERNMENT; REGULATIONS; REGIONAL DEVELOPMENT; DECENTRALIZATION.

E16 PRODUCTION ECONOMICS / EKONOMI PRODUKSI

0346 ANON. [Government policy in increasing milk production in Indonesia]. Kebijakan pemerintah dalam meningkatkan produksi susu di Indonesia/ Anon.. Manual Kesmavet (Indonesia) ISSN 0216-4868 (2002) (no. 1) p. 34-41

MILK PRODUCTION; PRODUCTION INCREASE; DEVELOPMENT POLICIES.

0347 MUKANI, A. [Low price overcome of tobacco]. Mengatasi terpuruknya harga tembakau/Mukani, A.; Murdiyati, S.; Tirtosastro, S. (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(2) p. 18-19

TOBACCO; PRICES; DEMAND.

0348 PUSAT INFORMASI DAN DOKUMENTASI STANDARDISASI, JAKARTA. [Indonesian national standards for meat and meat processed products]. Standar nasional Indonesia untuk daging dan produk olahannya/Pusat Informasi dan Dokumentasi Standardisasi, Jakarta (Indonesia). [Arrow root as source of alternative carbohydrate]. Garut sebagai sumber karbohidrat alternatif/Pusat Pengembangan Ketersediaan Pangan, Jakarta (Indonesia). Jakarta (Indonesia): Pusat Pengembangan Ketersediaan Pangan, 2002 2 p.. Info Standar (Indonesia) (2003) (no. 1) p. 1-6 2 ill. Summaries only 1 ill.

MEAT; PROCESSING; MEAT PRODUCTS; BEEF; FOOD TECHNOLOGY; STANDARDS.

0349 RAHARDJO, B. [Improving quality, value added, and competitiveness of agricultural products industry]. Peningkatan mutu, nilai tambah, dan daya saing industri hasil pertanian/Rahardjo, B. (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Teknologi Pertanian). [Proceedings of Scientific Meeting/Technology Exhibition of Agricultural Machinery]. Prosiding Temu Ilmiah/Gelar Teknologi Alsintan/Haryono; Sardjono; Nugroho, P.; Triwahyudi, S.; Parwanto, A.; Utami, S. (eds.) Balai Besar Pengembangan Mekanisasi Pertanian, Serpong-Tangerang (Indonesia). Serpong-Tangerang (Indonesia): Balai Besar Pengembangan Mekanisasi Pertanian, 2002: p. 23-28 1 ill., 4 ref.

AGRICULTURAL PRODUCTS; INDUSTRY; VALUE ADDED; QUALITY; ECONOMIC COMPETITION; PRODUCTION COSTS; INNOVATION; TECHNOLOGY.

0350 SUMARNO. [Production cost and bargaining power index of irrigated rice farming system]. Biaya produksi dan indeks kekuatan tawar usahatani padi sawah/Sumarno (Direktorat Jenderal Bina Produksi Hortikultura, Jakarta (Indonesia)); Kartasasmita, U.G. Berita Puslitbangtan (Indonesia) ISSN 0852-6230 (2002) (no. 25) p. 11-12 1 table; 2 ref.

IRRIGATED RICE; FARMING SYSTEMS; PRODUCTION COSTS; COST ANALYSIS; ECONOMIC COMPETITION.

0351 SUPARYONO. [Assessment on specific location superiority technology in Yogyakarta Special Province]. Kajian teknologi unggulan spesifik lokasi di Daerah Istimewa Yogyakarta/Suparyono; Mulyadi (Balai Pengkajian Teknologi Pertanian, Yogyakarta (Indonesia)). [Proceedings of Scientific Meeting/Technology Exhibition of Agricultural Machinery]. Prosiding Temu Ilmiah/Gelar Teknologi Alsintan/Haryono; Sardjono; Nugroho, P.; Triwahyudi, S.; Parwanto, A.; Utami, S. (eds.) Balai Besar Pengembangan Mekanisasi Pertanian, Serpong-Tangerang (Indonesia). Serpong-Tangerang (Indonesia): Balai Besar Pengembangan Mekanisasi Pertanian, 2002: p. 29-36 6 ref.

AGROINDUSTRIAL SECTOR; APPROPRIATE TECHNOLOGY; AGRICULTURAL PRODUCTS; INDUSTRY; VALUE ADDED; QUALITY; ECONOMIC COMPETITION; PRODUCTION COSTS; INNOVATION; TECHNOLOGY.

CULTURAL PRODUCTS; SOCIO-ECONOMIC ENVIRONMENT; JAVA.

0352 SUPRIHATINI, R. [Marketing prospect of fatty alcohol]. Prospek pasar fatty alcohol menjanjikan/Suprihatini, R. (Lembaga Riset Perkebunan Indonesia, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(2) p. 8-10

INDONESIA; FATTY ALCOHOLS; MARKETING.

E20 ORGANIZATION, ADMINISTRATION AND MANAGEMENT OF AGRICULTURAL ENTERPRISES OR FARMS / ORGANISASI, ADMINISTRASI DAN PENGELOLAAN PERUSAHAAN PERTANIAN / USAHA TANI

0353 ANON. [Program on the development of animal husbandry: rearing of livestock within oil palm plantation]. Program terobosan pengembangan peternakan: integrasi ternak pada perkebunan kelapa sawit/Anon.. Media Pengembangan Peternakan (Indonesia) (2003) v. 11(4) p. 1-10 3 tables; 3 ref.

RUMINANTS;; ELAEIS GUINEENSIS; PLANTATIONS; INTEGRATION; LIVESTOCK MANAGEMENT; ANIMAL PRODUCTION; CROP MANAGEMENT.

0354 BAROH, I. [Factors influencing selection of introduced onion varieties]. Faktor-faktor yang mempengaruhi pemilihan bawang merah varietas impor/Baroh, I. (Universitas Muhammadiyah Malang (Indonesia). Fakultas Pertanian). Tropika (Indonesia) ISSN 0854-6533 (2002) v. 10(2) p. 209-214 5 tables; 5 ref. Summary (En)

ONIONS; INTRODUCED VARIETIES; SELECTION; FARMING SYSTEMS; FARMERS; ECONOMIC SOCIOLOGY.

0355 DAHYA. Analysis of competitive advantage of cassava agribusiness on maize and peanut in Watubangga Kabupaten Kolaka.

Analisis keunggulan kompetitif usahatani ubikayu terhadap usahatani jagung dan kacang tanah di Kecamatan Watubangga Kabupaten Kolaka/Dahya; Rubiyono; Sulaeman; Abidin, Z.; Kartono, G. (Balai Pengkajian Teknologi Pertanian Kendari (Indonesia)). Jurnal Stigma (Indonesia) ISSN 0853-3776 (2002) v. 10(4) p. 371-374 2 tables; 9 ref. Summary (En)

CASSAVA; MAIZE; GROUNDNUTS; AGROINDUSTRIAL SECTOR; ECONOMIC COMPETITION; SULAWESI.

0356 DIREKTORAT PENGEMBANGAN USAHA HORTIKULTURA, JAKARTA. [Development of production model for horticulture]. Pengembangan model usaha produksi hortikultura/Direktorat Pengembangan Usaha Hortikultura, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Pengembangan Usaha Hortikultura, 2001: 46 p.

HORTICULTURE; AGROINDUSTRIAL SECTOR; FARMERS ASSOCIATIONS; PARTNERSHIPS; COOPERATIVE ACTIVITIES; AGRICULTURAL DEVELOPMENT.

0357 HARIYONO, M.B. [Rentability of small scale beef cattle raising in Ponorogo, East Java (Indonesia)]. Rentabilitas usaha sapi potong skala kecil di Kabupaten Ponorogo Jawa Timur/Hariyono, M.B. (Universitas Brawijaya, Malang (Indonesia). Fakultas Peternakan). Tropika (Indonesia) ISSN 0854-6533 (2002) v. 10(1) p. 107-114 2 tables; 13 ref. Summary (En)

BEEF CATTLE; ANIMAL HUSBANDRY; SMALL FARMS; COST ANALYSIS; PROFITABILITY.

0358 HARTONO, S. [Microenterprise and selective corporate farming to support rural agricultural development and agricultural industry based on prospect UGM (Gadjah Mada University) opinion]. Microenterprise dan selective corporate farming dalam mendukung pengembangan pertanian kerakyatan dan industri pertanian menurut pandangan prospek-UGM/Hartono, S.; Helmy, Z. (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian). [National Seminar on Small Agricultural Enterprise Development Towards Agricultural Industrialization and Global Market] [Kumpulan makalah] Seminar Nasional

Membangun Pertanian Kerakyatan Menuju Industrialisasi dan Pasar Global/Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian. Keluarga Alumni. Yogya-karta (Indonesia), 2002: (pt. 4) 2 ill., 8 ref.

FARMS; OFF FARM EMPLOYMENT; AGRICULTURAL DEVELOPMENT; INTENSIVE FARMING; AGRO-INDUSTRIAL SECTOR.

0359 KUSWANTO, S. [Experience as manager for virginia tobacco intensification]. Pengalaman sebagai pengelola intensifikasi tembakau virginia/Kuswanto, S.. [Proceeding of the Workshop on Tobacco Agribusiness]. Prosiding Lokakarya Agribisnis Tembakau/Suwarso; Tirtosastro, S.; Murdiyati, A.S.; Dalmadiyo, G.; Mastur; Mukani (eds.) Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGBUN, 2003: p. 35-40 1 ill., 2 tables

NICOTIANA TABACUM; INTENSIFICATION; PRODUCTIVITY; QUALITY; CAPITAL; EMPLOYMENT; PARTNERSHIPS; TECHNOLOGY TRANSFER.

0360 LISTYONINGRUM, N.I. Impact of rural industrialization on paddy farming management. Dampak industrialisasi pedesaan terhadap pengelolaan usahatani padi sawah/Listyoningrum, N.I.; Rusimah, S.Y.; Susanawati (Universitas Muhammadiyah Yogyakarta (Indonesia). Fakultas Pertanian). Agr-UMY (Indonesia) ISSN 0854-4026 (2002) v. 10(2) p. 116-123 5 tables; 7 ref. Summary (En)

ORYZA SATIVA; FARM MANAGEMENT; PRODUCTIVITY; FARMING SYSTEMS; INDUSTRIALIZATION; LABOUR PRODUCTIVITY; ECONOMIC ANALYSIS; FARM INCOME.

0361 PUJO. [Socioeconomic and ecological functions of forest]. Fungsi sosial ekonomi dan ekologi hutan/Pujo Universitas Winaya Mukti, Jatinangor, Sumedang (Indonesia). Fakultas Kehutanan. Jatinangor, Sumedang (Indonesia): UNWIM, 2000: 7 p. 4 ref.

FORESTRY; ECOLOGY; RENEWABLE RESOURCES; SOCIOECONOMIC

DEVELOPMENT; NATURE CONSERVATION.

0362 SAHMINUDDIN. [Problems concerned the tobacco farmers]. Permasalahan yang dihadapi petani tembakau/Sahminuddin. [Proceeding of the Workshop on Tobacco Agribusiness]. Prosiding Lokakarya Agribisnis Tembakau/Suwarso; Tirtosastro, S.; Murdiyati, A.S.; Dalmadiyo, G.; Mastur; Mukani (eds.) Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGBUN, 2003: p. 29-34 2 ref.

NICOTIANA TABACUM; FARMERS; FARM INPUTS; APPROPRIATE TECHNOLOGY; CAPITAL; MARKETING; PARTNERSHIPS; NUSA TENGGARA.

0363 SYAHNI, R. Pressure of community economical activities on the sustainability of Taman Nasional Kerinci Seblat. Tekanan aktivitas ekonomi masyarakat terhadap kelestarian Taman Nasional Kerinci Seblat/Syahni, R.; Mahdi; Yusmini; Tanjung, F.; Hakimi, R. (Universitas Andalas, Padang (Indonesia). Fakultas Pertanian). Jurnal Stigma (Indonesia) ISSN 0853-3776 (2002) v. 10(4) p. 364-370 6 tables; 14 ref. Summary (En) SUMATRA; SOCIOECONOMIC DEVELOPMENT; NATURE CONSERVATION; NATIONAL PARKS; SUSTAINABILITY; ECONOMIC POLICIES.

0364 TRIJAYA, N.O. [Salm (Skim Akreditasi Ladang Malaysia) causing the product quality improvement of Malaysia agriculture]. Salm mendongkrak mutu pertanian Malaysia/Trijaya, N.O./Direktorat Jenderal Bina Produksi Hortikultura, Jakarta (Indonesia). Hortikultura (Indonesia) ISSN 1412-5250 (2003) v. 2(11) p. 34-35 2 ill.

AGRICULTURE; CULTIVATION; STANDARDIZING; AGRICULTURAL PRODUCTS; QUALITY.

E21 AGROINDUSTRY / AGRO-INDUSTRI

0365 ASHARI. [Red sugar industri: alternative of sugar cane farmer at Kediri, East Java]. Industri gula merah, alternatif usaha petani tebu di Kediri/Ashari; Sinuraya, Y.F.; Khoiriyah A., N.; Yuni H. (Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 24(4) p. 18-19

SUGARCANE; SUGAR INDUSTRY; PROCESSING; FARM INCOME; MARKETING; JAVA.

0366 BALAI PENELITIAN PASCA-PANEN PERTANIAN, JAKARTA. [Integrated system: new concept of rice processing]. Sistem terpadu, konsep baru pengolahan padi/Balai Penelitian Pascapanen Pertanian, Jakarta (Indonesia). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(2) p. 4-6

RICE; PROCESSING; AGROINDUSTRIAL SECTOR; BYPRODUCTS; RICE HUSKS.

0367 BOERHENDHY, I. [Substituting natural forest wood by rubber wood]. Kayu karet dapat menggantikan kayu hutan alam/Boerhendhy, I.; Nancy, C.; Gunawan, A. (Balai Penelitian Sembawa, Palembang (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(1) p. 3-5

RUBBER; WOOD INDUSTRY; DEMAND; INDONESIA.

0368 DIREKTORAT PENGEMBANGAN PETERNAKAN, JAKARTA. . [Development of farmer institution in animal husbandry-based agribusiness areas]. Pengembangan kelembagaan peternak di kawasan agribisnis berbasis peternakan/Direktorat Pengembangan Peternakan, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Pengembangan Peternakan, 2002: 41 p. 4 ill., 1 table; 14 ref.

ANIMAL HUSBANDRY; AGRO-INDUSTRIAL SECTOR; FARMERS; SOCIAL INSTITUTIONS.

0369 HERIYANTO. [Development of sweet potato agroindustry]. Pengembangan agroindustri ubi jalar/Heriyanto; Antarlina, S.S.; Jusuf, M. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). [Advanced Milestone of Food Crop Production Technology: Symposium of the Fourth Food Crops Research]. *Tonggak Kemajuan Teknologi Produksi Tanaman Pangan: Simposium Penelitian Tanaman Pangan ke-4/Sunihardi; Kasim, H.; Adil, W.H.; Hermanto (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGTAN, 2002: p. 339-348 2 ill., 2 tables: 23 ref. Summary (In)*

SWEET POTATOES; AGROINDUSTRIAL SECTOR; FARMING SYSTEMS; AGRICULTURAL PRODUCTS; QUALITY OF LIFE; AGRICULTURAL ECONOMICS; SIMULATED FOODS.

0370 NINGSIH, G.M. [Analysis of added value of brem agroindustry: case study in Mejayan-Madiun East Java]. Analisis nilai tambah agroindustri brem :studi kasus di Kecamatan Mejayan Kabupaten Madiun)/ Ningsih, G.M. (Universitas Muhammadiyah Malang (Indonesia). Fakultas Pertanian). *Tropika (Indonesia) ISSN 0854-6533 (2002) v. 10(2) p. 169-175 3 tables; 5 ref. Summary (En)* FERMENTED FOODS; VALUE ADDED; PROFIT; LABOUR; REMUNERATION; AGROINDUSTRIAL SECTOR.

0371 NUGRAHA, S. [Agribusiness opportunity of charcoal husks]. Peluang agribisnis arang sekam/Nugraha, S.; Setiawati, J. (Balai Penelitian Pascapanen Pertanian, Jakarta (Indonesia)). *Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 24(4) p. 4-6*

RICE HUSKS; CHARCOAL; AGRICULTURAL WASTES; WASTE UTILIZATION; AGROINDUSTRIAL SECTOR; MARKETING; BYPRODUCTS.

0372 PRABAWATI, S. [Opportunity of jasmine oils]. Minyak melati, peluang yang menjanjikan/Prabawati, S.; Suyanti; Unadi, A. (Balai Penelitian Pascapanen Pertanian, Jakarta (Indonesia)). *Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(1) p. 1-3*

JASMINE OIL; PROCESSING; EXTRACTION; TECHNOLOGY; INDUSTRIAL DEVELOPMENT.

0373 SOFYAN, R. [Discovering regional potential to enhance agribusiness in Yogyakarta Special Province in regional autonomy era]. Menggali potensi daerah untuk memacu agribisnis di Daerah Istimewa Yogyakarta dalam era otonomi daerah/Sofyan, R. (Badan Perencanaan Pembangunan Daerah Provinsi Daerah Istimewa Yogyakarta (Indonesia)). [Proceedings of Scientific Meeting/ Technology Exhibition of Agricultural Machinery]. *Prosiding Temu Ilmiah/Gelar Teknologi Alsintan/Haryono; Sardjono; Nugroho, P.; Triwahyudi, S.; Parwanto, A.; Utami, S. (eds.) Balai Besar Pengembangan Mekanisasi Pertanian, Serpong-Tangerang (Indonesia). Serpong-Tangerang (Indonesia): Balai Besar Pengembangan Mekanisasi Pertanian, 2002: p. 19-22*

AGROINDUSTRIAL SECTOR; AGRICULTURAL DEVELOPMENT; DEVELOPMENT POLICIES; QUALITY OF LIFE; SELF SUFFICIENCY; LOCAL GOVERNMENT; JAVA.

0374 SUDIYONO, A. [Social interaction analysis of agro industrial group (Grand Leontief curve approach)]. Analisis interaksi social pada kelompok usaha agroindustri (Pendekatan kurva Grand Leontief)/Sudiyono, A. (Universitas Muhammadiyah, Malang (Indonesia). Fakultas Pertanian); Purnomowati, E.. *Tropika (Indonesia) ISSN 0854-6533 (2002) v. 10(1) p. 1-10 2 ill., 1 table; 15 ref. Summary (En)*

AGROINDUSTRIAL SECTOR; SOCIAL BEHAVIOUR; PRODUCTION COSTS; PRICES; QUALITY; PROFITABILITY.

0375 SUGENG. [Management of mango fruit quality]. Pengelolaan mutu buah mangga/Sugeng. Direktorat Jenderal Bina

Produksi Hortikultura, Jakarta (Indonesia). Hortikultura (Indonesia) ISSN 1412-5250 (2003) v. 2(11) p. 30-31 1 ill., 1 table

MANGIFERA INDICA; QUALITY; AGROINDUSTRIAL SECTOR.

0376 ZAENUDIN. [Challenge and development strategy of coffee agribusiness in Indonesia toward 21st century]. Tantangan dan strategi pengembangan agribisnis kopi di Indonesia memasuki abad ke-21/Zaenudin; Martadinata. Warta Pusat Penelitian Kopi dan Kakao Indonesia (Indonesia) ISSN 0215-1308 (2000) v. 16(3) p. 189-197 2 ill., 1 table; 16 ref.

COFFEA; AGROINDUSTRIAL SECTOR; AGRICULTURAL DEVELOPMENT; LAND RESOURCES; DEVELOPMENT POLICIES.

E70 TRADE, MARKETING AND DISTRIBUTION / PERDAGANGAN, PEMASARAN DAN DISTRIBUSI

0377 ANON. [Rejection of import of livestock foodstuffs from foreign countries]. Penolakan impor bahan pangan asal ternak dari luar negeri/Anon.. Manual Kesmavet (Indonesia) ISSN 0216-4868 (2002) (no. 1) p. 7-10

FOODS; IMPORTS; GELATIN; MEAT; QUALITY CONTROLS.

0378 DIREKTORAT PENGEMBANGAN USAHA HORTIKULTURA, JAKARTA. [Directory of export import of horticulture]. Direktori ekspor impor hortikultura/Direktorat Pengembangan Usaha Hortikultura, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Pengembangan Usaha Hortikultura, 2002: 119 p.

HORTICULTURE; VEGETABLES; EXPORTS; IMPORTS.

0379 PUSAT DATA DAN INFORMASI PERTANIAN, JAKARTA. [Development of inputs and prices of some vegetable and fruit commodities in Pasar Induk Kramatjati (PIK) and Pasar Grosir Cibitung (PGC), Jakarta]. Perkembangan pasokan dan harga beberapa komoditi sayur dan buah di Pasar Induk

Kramatjati (PIK) dan Pasar Grosir Cibitung (PGC)/Pusat Data dan Informasi Pertanian, Jakarta (Indonesia). Buletin Bulanan Statistik Agribisnis (Indonesia) (2001) (Dec) p. 1-7 10 ill.

TOMATOES; POTATOES; CABBAGES; MANGOES; PINEAPPLES; CITRUS; BANANAS; PAPAYAS; MARKETS; PRICES; JAVA.

0380 PUSAT DATA DAN INFORMASI PERTANIAN, JAKARTA. [Development of vegetable and fruit retail price, growing price, and price in farmers level]. Perkembangan harga eceran, grosir dan tingkat produsen sayuran dan buah-buahan di Daerah Khusus Ibukota/Pusat Data dan Informasi Pertanian, Jakarta (Indonesia). Buletin Bulanan Statistik Agribisnis (Indonesia) (2001) (Dec) p. 8-14 9 ill., 9 tables

CHILLIES; TOMATOES; ONIONS; BANANAS; POTATOES; CITRUS; PAPAYAS; CABBAGES; MARKETING; CONSUMER; PRODUCER PRICES; PRICES.

0381 RUSMIN, D. [Potential of Tamarindus as superior commodity in dry land]. Potensi tamarin sebagai komoditas unggulan di lahan kering/Rusmin, D.; Hasanah, M.; Sukarman (Balai Penelitian Tanaman Rempah dan Obat, Bogor(Indonesia)). [Proceedings of the Ninetenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/ Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbangbun, 2002 p. 57-64 2 tables; 10 ref. Summary (In)

TAMARINDUS INDICA; AGRICULTURAL PRODUCTS; MULTIPLE USE; TRADITIONAL MEDICINES; INDUSTRIAL USES; POSTHARVEST TECHNOLOGY; DRY FARMING.

0382 SAPTANA. [Market dynamics of farm input-output of rice]. Dinamika pasar input - output komoditas padi/Saptana (Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(3) p. 10-11

RICE; COMMODITY MARKETS; FARM INPUTS; SEED; FERTILIZERS; LABOUR.

E71 INTERNATIONAL TRADE / PER-DAGANGAN INTERNASIONAL

0383 ANON. [Import of meat and bone meal: MBM from Itali on bovine spongiform encephalopathy]. Impor tepung tulang dan daging (meat and bone meal=MBM) dari Itali terhadap penyakit sapi gila (bovine spongiform encephalopathy)/Anon. Direktorat Kesehatan Masyarakat Veteriner, Jakarta (Indonesia). Manual Kesmavet (Indonesia) (2001) p. 14-15

MEAT; BONE MEAL; IMPORTS; REGULATIONS; BOVINE SPONGIFORM ENCEPHALOPATHY; DISEASE TRANSMISSION.

0384 ANON. [Importation of skin raw material]. Importasi bahan baku kulit/Anon. Direktorat Kesehatan Masyarakat Veteriner, Jakarta (Indonesia). Manual Kesmavet (Indonesia) (2001) p. 11-13

HIDES AND SKINS; RAW MATERIALS; IMPORTS; REGULATIONS;

0385 ANON. [Problem of chicken leg quarter imports]. Masalah impor daging paha bawah ayam/Anon.. Manual Kesmavet (Indonesia) ISSN 0216-4868 (2002) (no. 1) p. 14-27
CHICKENS; MEAT; IMPORTS; QUALITY CONTROLS; REGULATIONS.

0386 ANON. [Rejection of import of non food from livestock of foreign country]. Penolakan impor bahan non pangan asal ternak dari luar negeri/Anon. Manual Kesmavet (Indonesia) ISSN 0216-4868 (2002) (no. 1) p. 11-13

NON FOOD PRODUCTS; IMPORTS; IMPORT CONTROLS.

0387 HADI, P.U. Marketing policy to improve competitiveness of agricultural commodities facing trade liberalization/Hadi, P.U. (Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia). Analisis Kebijakan Pertanian (Indonesia) ISSN1693-2021 (2003) v. 1(2) p. 143-151

AGRICULTURAL PRODUCTS; DOMESTIC TRADE; MARKETING POLICIES; TRADE LIBERALIZATION; INDONESIA

0388 WATSON, D.W.H. [Marketing of arabica coffee]. Pemasaran kopi arabika/Watson, D.W.H. (Kantor Perwakilan Asosiasi Eksportir Kopi Indonesia London (Inggris)). Warta Pusat Penelitian Kopi dan Kakao Indonesia (Indonesia) ISSN 0215-1308 (2000) v. 16(3) p. 198-205

ARABICA COFFEE; EXPORTS; CONSUMPTION; MARKETS; PRICES.

E80 HOME ECONOMICS, INDUSTRIES AND CRAFTS / EKONOMI RUMAH TANGGA, INDUSTRI RUMAH TANGGA DAN KE-RAJINAN TANGAN

0389 PURWANDARI, I. [Role of industrial sector on work opportunity of women and household income]. Peranan industri terhadap kesempatan kerja wanita dan pendapatan rumah tangga: studi kasus pada industri kerajinan tas di Kecamatan Sentolo Kabupaten Kulon Progo/Purwandari, I. Institut Pertanian STIPER, Yogyakarta (Indonesia). Yogyakarta (Indonesia): Institut Pertanian STIPER, 2002: 24 p. 5 tables; 19 ref.

COTTAGE INDUSTRY; LEATHER INDUSTRY; ROLE OF WOMEN; LABOUR REQUIREMENT; HOUSEHOLDS; IN-COME.

F01 CROP HUSBANDRY / PERTANAMAN

0390 ADISARWANTO, T. Soybean production and postharvest technology in Indonesia/Adisarwanto, T. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Soybean production and

and postharvest technology for innovation in Indonesia: Proceedings of RILET-JIRCAS Workshop on Soybean Research/Rahmianna, A.A.; Nikkuni, S. (eds.). Malang (Indonesia): BALITKABI, 2002 131 p.. Jircas Working Report (Indonesia) ISSN 1341-710X (2002) (no. 24) p. 13-24 1 ill., 8 tables; 17 ref. Summary (En)

GLYCINE MAX; SOYBEANS; POST-HARVEST TECHNOLOGY; CROPPING SYSTEMS; VARIETIES; PRODUCTION; FERTILIZER APPLICATION; CONTROL METHODS; YIELDS; INDONESIA.

0391 BUDIHardjo, K. [Effect of ethylene on the growth and yield of fruit crops]. Manfaat hormon etilen bagi pertumbuhan dan hasil buah/Budihardjo, K. Institut Pertanian STIPER, Yogyakarta (Indonesia). Yogyakarta (Indonesia): Institut Pertanian STIPER, 2001: 39 p. 4 ill., 17 ref.

FRUIT CROPS; PLANT GROWTH SUBSTANCES; ETHYLENE; GROWTH; YIELDS.

0392 BUDIHardjo, K. [Problems of flowering and fruiting process on mangoes (*Mangifera indica*)]. Permasalahan proses pembungaan dan pematangan tanaman mangga (*Mangifera indica* L.)/Budihardjo, K. Institut Pertanian Stiper, Yogyakarta (Indonesia). Yogyakarta (Indonesia): Institut Pertanian Stiper, 2002: 26 p. 19 ref. Appendices

MANGIFERA INDICA; FLOWERING; FRUITING; VARIETIES.

0393 DIREKTORAT JENDERAL BINA PRODUKSI HORTIKULTURA, JAKARTA. [The ever popular melon (*Cucumis melo*)]. Melon yang makin kesohor/Direktorat Jenderal Bina Produksi Hortikultura, Jakarta (Indonesia). Hortikultura (Indonesia) ISSN 1412-5250 (2003) v. 2(11) p. 14-17 4 ill.

CUCUMIS MELO; VARIETIES; PLANT ANATOMY; CULTIVATION; PLANT PROPAGATION; PLANT NURSERIES; QUALITY.

0394 GANDANEGARA, S. Effectivity of Azospirillum isolates associated with maize in acid soil. Keefektifan isolat Azospirillum pada tanaman jagung di tanah masam/Gandanegara, S.; Idawati; Slamet, S. (Pusat Penelitian dan Pengembangan Teknologi Isotop dan Radiasi, Jakarta (Indonesia)). Jurnal Stigma (Indonesia) ISSN 0853-3776 (2002) v. 10(4) p. 340-343 3 tables; 17 ref. Summary (En)

ZEA MAYS; AZOSPIRILLUM; INOCULATION; ACID SOILS; GROWTH.

0395 HERMAWAN, A. [Inter-variable linkage and its effect on rice production on IP-300 pattern in Central Java]. Keterkaitan antar variabel dan pengaruhnya terhadap produksi padi pada pola IP 300 di Jawa Tengah/Hermawan, A.; Sarjana; DwiYana, E. (Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia)). [Proceedings of the National Seminar on Specific Location Technology Striving for Decentralization of Agricultural Development]. Prosiding Seminar Nasional Teknologi Spesifik Lokasi Menuju Desentralisasi Pembangunan Pertanian/Rusastra, I W.; Ginting, N.; Gurning, T.M.; Zaini, Z.; Ibrahim, T.; Hermanto; Daniel, M.; Nainggolan, P.; Sariman; Primawati, N.; Nazir, D.; Suryani, S. (eds.) Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia). Bogor (Indonesia): PSE, 2000: p. 349-357 1 ill., 9 tables; 7 ref. Summary (In)

ORYZA SATIVA; SITE FACTORS; PUMPS; WATER AVAILABILITY; TILLAGE; CROP MANAGEMENT; UREA; SUPERPHOSPHATE; PRODUCTIVITY; CROP YIELDS; JAVA.

0396 ILMAN. [Cactus, a multipurpose plant]. Kaktus tanaman multiguna /Ilman; Sugeng/ Direktorat Jenderal Bina Produksi Hortikultura, Jakarta (Indonesia). Hortikultura (Indonesia) ISSN 1412-5250 (2003) v. 2(11) p. 22-23 1 ill. OPUNTIA; ORNAMENTAL PLANTS; USES.

0397 MURDIYATI, A.S. [Technology support for tobacco cultivation]. Dukungan teknologi budidaya tembakau/ Murdiyati, A.S.; Dalmadiyo, G.; Suwarso (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). [Proceeding of the Workshop on Tobacco Agribusiness]. Prosiding Lokakarya

Agribisnis Tembakau/ Suwarso; Tirtosastro, S.; Murdiyati, A.S.; Dalmadiyo, G.; Mastur; Mukani (eds.) Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGBUN, 2003: p. 46-51 14 ref.

NICOTIANA TABACUM; CULTIVATION; FARMING SYSTEMS; DEVELOPMENT POLICIES; SUSTAINABILITY; TECHNOLOGY; AGROINDUSTRIAL SECTOR.

0398 PRIBADI, E.R. [Aspects of cultivation and farming system of Sauropus in Cinangneng, Bogor]. Aspek budidaya dan usahatani tanaman katuk di Cinangneng, Bogor/Pribadi, E.R.; Sudiarto; Nurhayati, H. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGBUN, 2002: p. 273-280 4 tables; 6 ref. Summary (In)

SAUROPUS; CULTIVATION; MONOCULTURE; MULTIPLE CROPPING; FARMING SYSTEMS; FERTILIZER APPLICATION; FOLIAR APPLICATION; PROPAGATION BY CUTTINGS; YIELDS.

0399 PRIYADI, R. [Effect of fermented sheep manure application and kinds of "turus" (stake) to growth and yield of japanese cucumber, Fushimidori cultivar]. Pengaruh pemberian porasi kotoran domba dan jenis turus terhadap pertumbuhan dan hasil mentimun jepang (*Cucumis sativus* L.) kultivar Fushimidori/Priyadi, R. (Universitas Siliwangi, Tasikmalaya (Indonesia). Fakultas Pertanian). Tropika (Indonesia) ISSN 0854-6533 (2002) v. 10(1) p. 57-63 5 tables; 8 ref. Summary (En)
CUCUMIS SATIVUS; FARMYARD MANURE; ORGANIC FERTILIZERS; FERMENTATION; APPLICATION RATES; GROWTH; YIELDS.

0400 RAHAYUNINGSIH, S.A. [Relation between harvesting date suspend with sweet potato quality]. Hubungan penundaan waktu

panen dengan kualitas ubi jalar/ Rahayuningsih, S.A.; Sutrisno; Antarlina, S.S.; Heriyanto (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). [Advanced Milestone of Food Crop Production Technology: Symposium of the Fourth Food Crops Research]. Tonggak Kemajuan Teknologi Produksi Tanaman Pangan: Simposium Penelitian Tanaman Pangan ke-4/Sunihardi; Kasim, H.; Adil, W.H.; Hermanto (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGTAN, 2002: p. 327-338 3 ill., 6 tables: 22 ref. Summary (In)

IPOMOEA BATATAS; HARVESTING DATE; CLONES; GERMPLASM; TUBERS; QUALITY; STARCH; CRUDE FIBRE.

0401 ROJUDIN, E. [Measuring and counting technique of herb pepper vegetative growth planted under coconut tree stands]. Teknik pengukuran dan penghitungan pertumbuhan vegetatif lada perdu d bawah tegakan kelapa/Rojudin, E.; Slamet, A.H. (Loka Penelitian Tanaman Sela Perkebunan, Sukabumi (Indonesia)). Buletin Teknik Pertanian (Indonesia) ISSN 0853-8379 (2003) v. 8(1) p. 34-36 1 table; 6 ref.

PIPER NIGRUM; COCOS NUCIFERA; GROWTH; VEGETATIVE PROPAGATION; INTERCROPPING; LIGHT REQUIREMENTS; SHADE.

0402 SAROSO, B. Development of kenaf (*Hibiscus cannabinus* L.) for pulp material. Pengembangan kenaf (*Hibiscus cannabinus* L.) untuk bahan pulp/Saroso, B. (Balai Penelitian Tembakau dan Tanaman Serat, Malang (Indonesia)). Agr-UMY (Indonesia) ISSN 0854-4026 (2002) v. 10(2) p. 84-91 5 tables; 12 ref. Summary (En)

HIBISCUS CANNABINUS; VARIETIES; PLANTING DATE; NITROGEN FERTILIZERS; POTASH FERTILIZERS; CALCIUM FERTILIZERS; YIELDS; HARVESTING DATE; DRYING; PROCESSING; PULP AND PAPER INDUSTRY.

0403 SUGENG. [Cactus cultivation]. Budidaya kaktus/Sugeng. Direktorat Jenderal

Bina Produksi Hortikultura, Jakarta (Indonesia). Hortikultura (Indonesia) ISSN 1412-5250 (2003) v. 2(11) p. 24-25 2 ill.

OPUNTIA; CULTIVATION; PLANT PROPAGATION; GROWING MEDIA.

0404 TEJASARWANA, R. [Calla lily (*Zantedeschia elliottiana*) cultivation]. Meningkatkan keragaman bunga potong melalui budi daya Calla lily/Tejasarwana, R. (Balai Penelitian Tanaman Hias, Cianjur (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(3) p. 4-6 1 ill.

CUT FLOWERS; ARACEAE; CULTIVATION; PLANT PROPAGATION; HARVESTING

0405 TENAYA, I M.N. [Fan design in studying growth and optimum population of garlic in lowland]. Rancangan kipas dalam mempelajari pertumbuhan dan populasi optimum bawang putih di dataran rendah/Tenaya, I M.N.; Agung, I D.G. (Universitas Udayana, Bali (Indonesia). Fakultas Pertanian).. Tropika (Indonesia) ISSN 0854-6533 (2002) v. 10(1) p. 46-56 1 ill., 4 tables; 25 ref. Summary (En)

ALLIUM SATIVUM; SPACING; PLANT POPULATION; GROWTH; YIELD COMPONENTS; YIELDS.

0406 WAHYUDI, T. [Effect of kinds of sawdust on production and nutrient content of three kinds of mushrooms]. Pengaruh macam serbuk gergaji terhadap produksi dan kandungan nutrisi tiga jenis jamur kayu /Wahyudi, T. (Universitas Muhammadiyah, Malang (Indonesia). Fakultas Pertanian); Husen, S.; Santoso, U.. Tropika (Indonesia) ISSN 0854-6533 (2002) v. 10(1) p. 79-86 2 ill., 5 tables; 16 ref. Summary (En)

EDIBLE FUNGI; GROWING MEDIA; SAWDUST; TECTONA GRANDIS; PINUS RADIATA; PARASERIANTHES FALCATARIA; YIELDS; NUTRITIVE VALUE.

0407 WAHYUNI, S. [Anticipating the slowness of rice planting date]. Mengantisipasi keterlambatan musim tanam padi/Wahyuni, S. (Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(1) p. 6-7

ORYZA SATIVA; PLANTING DATE; PRODUCTION INCREASE; INTENSIVE FARMING.

0408 WIDODO, P. [Morphological variation of *Alternanthera ficoidea* (L.) R. Br. ex Griseb. at various shelter and time of light exposure] . Variasi morfologis *Alternanthera ficoidea* (L.) R.Br.ex Griseb pada berbagai naungan dan lama waktu penyinaran/Widodo, P.; Sukarsa (Universitas Jenderal Soedirman, Purwokerto (Indonesia). Fakultas Biologi). Biosfera (Indonesia) ISSN 0853-1625 (2003) v. 20(1) p. 32-36 1 ill., 1 table; 8 ref. Summary (En)

ALTERNANTHERA; PLANT ANATOMY; LIGHTING; SHADING; TIME.

F02 PLANT PROPAGATION / PERBANYAKAN TANAMAN

0409 KURNIYAWAN H., A. [Explants sterilization on tissue culture technique]. Sterilisasi eksplan dalam teknik kultur jaringan/Kurniyawan H., A. (Balai Penelitian dan Pengembangan Kehutanan Kalimantan, Samarinda (Indonesia)). Dipterokarpa (Indonesia) ISSN 1410-1033 (2002) v. 6(1) p. 1-10 1 ill., 1 table; 9 ref. Summary (In)

CROPS; TISSUE CULTURE; IN VITRO CULTURE; STERILIZATION; EXPLANTS.

0410 SYAH, M.J.A. [Stebung quick propagation technique of citrus]. Stebung, teknik perbanyakan jeruk secara cepat/Syah, M.J.A. (Balai Penelitian Tanaman Buah, Solok (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 24(4) p. 13-14 1 ill.

CITRUS; PLANT PROPAGATION; SEED; QUALITY.

F03 SEED PRODUCTION AND

**PROCESSING / PRODUKSI DAN
PERLAKUAN TERHADAP BIJI
DAN BENIH**

0411 DIREKTORAT PERBENIHAN, JAKARTA. . [Guidance on seed propagation of lowland vegetables: shallot and egg plant]. Pedoman perbanyak benih sayuran dataran rendah: seri bawang merah, terong/Direktorat Perbenihan, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Perbenihan, 2002: 84 p.

ALLIUM ASCALONICUM; SOLANUM MELONGENA; SEED PRODUCTION; LOWLAND; FERTILIZER APPLICATION; PEST CONTROL; DISEASE CONTROL; CULTIVATION; HARVESTING; POST-HARVEST TECHNOLOGY.

0412 RAHARDJO, M. [Cultivation of *Sauropus androgynus* using seed as propagation materials]. Bertanam katuk (*Sauropus androgynus* Merr) menggunakan biji sebagai bahan tanam/Rahardjo, M.; Sudiarso (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGBUN, 2002: p. 267-272 3 tables; 8 ref. Summary (In)

SAUROPUS; SEED; PROPAGATION MATERIALS; SEED COLLECTION; VIGOUR; VIABILITY; GERMINABILITY; QUALITY; PRODUCTIVITY; LEAF PROTEIN CONTENT.

0413 ROSITA, S.M.D. [Effect of seed on the growth and production *Alpinia galanga*]. Pengaruh macam bibit terhadap pertumbuhan dan produksi lengkuas/Rosita, S.M.D.; Darwati, I.; Rahardjo, M. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGBUN, 2002: p. 229-234 7 tables; 4 ref. Summary (In)

ALPINIA GALANGA; SEED; PLANT PROPAGATION; SEEDLINGS; GROWTH; PRODUCTION.

0414 SARJANA. [Development of Kaempferia food crops intercropping to increase food security in dry lowland area]. Pengembangan penerapan pola tumpangsari kencur dengan tanaman pangan untuk meningkatkan ketahanan pangan di wilayah lahan kering dataran rendah/Sarjana; Pramono, J. (Balai Pengkajian Teknologi Pertanian Ungaran (Indonesia)). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGBUN, 2002: p. 257-266 3 ill., 4 tables; 9 ref. Summary (In)

KAEMPFERIA; ARACHIS HYPOGAEA; ZEA MAYS; MULTIPLE CROPPING; PLANT INTRODUCTION; CROP MANAGEMENT; AGRONOMIC CHARACTERS; TECHNOLOGY TRANSFER; FOOD SECURITY; DRY FARMING.

0415 SUGENG. [Strategy on the supply of sweet pepper seed]. Strategi memenuhi kebutuhan benih cabai/Sugeng. Direktorat Jenderal Bina Produksi Hortikultura, Jakarta (Indonesia). Hortikultura (Indonesia) ISSN 1412-5250 (2003) v. 2(11) p. 36-37 3 ill.

CHILLIES; SEED; SUPPLY; LIRIOMYZA.

F04 FERTILIZING / PEMUPUKAN

0416 AL-JABRI, M.. [Effectivity of natural phosphate fertilizer as alternative fertilizer]. Pupuk fosfat alam sebagai pupuk alternatif/ Al-Jabri, M. (Pusat Penelitian dan Pengembangan Tanah dan Agroklimat, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(2) p. 15-16

PHOSPHATE FERTILIZERS; FERTILIZER APPLICATION; APPLICATION METHODS; APPLICATION DATE; APPLICATION RATES.

0417 AL-JABRI, M. [Phosphate fertilizer and potassium fertilizer on lowland based on soil testing to support organic agriculture]. Pemupukan Fosfat dan Kalium tanah sawah berdasarkan uji tanah mendukung pertanian organik/Al-Jabri, M. (Pusat Penelitian dan Pengembangan Tanah dan Agroklimat, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(3) p. 17-18 1 ill.

ORGANIC AGRICULTURE; PHOSPHATE FERTILIZERS; POTASH FERTILIZERS; LOWLAND; AGRICULTURAL DEVELOPMENT; INDONESIA.

0418 DARWATI, I. [Effect of farmyard manure and "kasting" on *Curcuma aeruginosa* production]. Pengaruh pupuk kandang dan kasting terhadap produksi temu ireng (*Curcuma aeruginosa* Roxb.)/Darwati, I.; Rosita, S.M.D.; Rahardjo, M. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). Warta Tumbuhan Obat Indonesia (Indonesia) ISSN 0853-6929 (2001) v. 7(1) p. 12-15 2 ill., 4 tables; 14 ref. Summary (In)

CURCUMA; FARMYARD MANURE; FAECES; COMPOSTING; LUMBRICIDAE; ORGANIC FERTILIZERS; YIELDS.

0419 DIREKTORAT PUPUK DAN PESTISIDA, JAKARTA. [Data base of single non macro fertilizers in the period of 1989 to 2002]. Data base pupuk non makro tunggal period: 1989 s/d 2002/Direktorat Pupuk dan Pestisida, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Pupuk dan Pestisida, 2002: 89 p.

FERTILIZERS; LISTS; ZEOLITES; DATABASES.

0420 ERYTHRINA. [Study of bionitro microbial fertilizer on groundnut in North Sumatra]. Pengkajian pupuk mikroba bionitro pada tanaman kacang tanah di Sumatera Utara/Erythrina (Balai Pengkajian Teknologi Pertanian, Sumatera Utara (Indonesia)). [Advanced Milestone of Food Crop Production Technology: Symposium of the Fourth Food Crops Research]. Tonggak Kemajuan Teknologi Produksi Tanaman Pangan: Simposium Penelitian Tanaman Pangan ke-4/Sunihardi;

Kasim, H.; Adil, W.H.; Hermanto (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGTAN, 2002: p. 260-268 4 tables: 15 ref. Summary (In)

ARACHIS HYPOGAEA; VARIETIES; BIOFERTILIZERS; AZOTOBACTER; MICROORGANISMS; NUTRIENT UPTAKE; SOIL FERTILITY; YIELD COMPONENTS; YIELD INCREASES.

0421 LINDIAWATI, D. [Influence of animal manure on rate N and P mineralization of plant pruning dominantly in upland area, South Malang (Indonesia)]. Pengaruh penambahan pupuk kandang terhadap mineralisasi N dan P dari biomassa tumbuhan dominan di lahan berkapur Malang Selatan/Lindiawati, D.; Handayanto, E. (Universitas Brawijaya, Malang (Indonesia). Fakultas Pertanian). Agrivita (Indonesia) ISSN 0126-0537 (2002) v. 24(2) p. 127-135 8 ill., 19 ref. Summary (En)

FARMYARD MANURE; BIOMASS; SOIL FERTILITY; MINERALIZATION; NITROGEN; PHOSPHORUS; UPLAND SOILS; ORGANIC MATTER; JAVA.

0422 MASLAHAH, N. [Effect of organic fertilizers on the growth, production and protein content of *Sauropus androgynus*]. Pengaruh pupuk organik terhadap pertumbuhan, produksi dan protein katuk (*Sauropus androgynus* (L) Merr)/Maslahah, N.; Sudiarto (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGBUN, 2002: p. 379-384 4 tables; 6 ref. Summary (In)

SAUROPUS; FARMYARD MANURE; GROWTH RATE; FERTILIZER APPLICATION; APPLICATION RATES; YIELDS; PROTEIN CONTENT.

0423 NONCI, N. [Stem borer attack on maize with different dosage of NPK fertilizers]. Serangan hama penggerek batang pada tanaman jagung dengan perlakuan berbagai takaran

pupuk NPK/Nonci, N. (Balai Penelitian Tanaman Serealia, Maros (Indonesia)). Berita Puslitbangtan (Indonesia) ISSN 0852-6230 (2003) (no. 25) p. 8-9 2 tables; 2 ref.

ZEA MAYS; OSTRINIA FURNACALIS; NPK FERTILIZERS; APPLICATION RATES; SOIL CHEMICOPHYSICAL PROPERTIES; CROP LOSSES; YIELDS.

0424 PIRNGADI, K. [NPK fertilizer application on monocultured upland rice]. Pemupukan NPK pada padi gogo monokultur/Pirngadi, K.; Rustiati, T.; Toha, H.M. (Balai Penelitian Tanaman Padi, Sukamandi (Indonesia)). Berita Puslitbangtan (Indonesia) ISSN 0852-6230 (2002) (no. 25) p. 13-14 1 table; 6 ref.

UPLAND RICE; NPK FERTILIZERS; FERTILIZER APPLICATION; APPLICATION RATES; MONOCULTURE; YIELDS; YIELD INCREASES.

0425 PRIHATINI, T. [Application of microorganism to increase phosphate fertilizer efficiency]. Mikroorganisme meningkatkan efisiensi pemupukan fosfat/Prihatini, T. (Pusat Penelitian dan Pengembangan Tanah dan Agroklimat, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 24(4) p. 10-11

CROPS; BIOFERTILIZERS; MICRO-ORGANISMS; PHOSPHATE FERTILIZERS; PRODUCTION INCREASE; EFFICIENCY.

0426 RAHARDJO, M. [Effect of phosphate fertilizer on cadmium status on the yield of *Curcuma aeruginosa* rhizomes]. Status logam berat kadmium (Cd) dan hasil rimpang temu ireng (*Curcuma aeruginosa* Roxb.) pada pemupukan fosfat/Rahardjo, M.; Rosita, S.M.D.; Darwati, I. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). Warta Tumbuhan Obat Indonesia (Indonesia) ISSN 0853-6929 (2001) v. 7(1) p. 16-20 6 tables; 10 ref. Summary (In)

CURCUMA; PHOSPHATE FERTILIZERS; CADMIUM; RESIDUES; YIELDS.

0427 ROSITA, S.M.D. [Effect of seed weight and farmyard manure on yield and quality of *Curcuma aeruginosa* rhizomes]. Pengaruh bobot benih dan pupuk kandang terhadap hasil dan mutu rimpang temu ireng (*Curcuma aeruginosa* Roxb.)/Rosita, S.M.D.; Darwati, I.; Rahardjo, M. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). Warta Tumbuhan Obat Indonesia (Indonesia) ISSN 0853-6929 (2001) v. 7(1) p. 9-11 4 tables; 9 ref. Summary (In)

CURCUMA; FARMYARD MANURE; FERTILIZER APPLICATION; DRUG PLANTS; SEED WEIGHT; QUALITY; YIELDS.

0428 SUARDI, D. [Rooting and grain yield of hybrid rice and new plant type of rice on different dosage of N fertilizer]. Perakaran dan hasil gabah padi hibrida dan padi tipe baru pada berbagai takaran pupuk N/Suardi, D. (Balai Penelitian Bioteknologi dan Sumberdaya Genetik Pertanian, Bogor (Indonesia)); Suhartatik, E.. Berita Puslitbangtan (Indonesia) ISSN 0852-6230 (2002) (no. 25) p. 14-15 4 tables; 4 ref.

ORYZA SATIVA; HYBRIDS; NITROGEN FERTILIZERS; APPLICATION RATES; ROOTS; GROWTH; YIELDS.

0429 SUDIARTO. Effect of manure on growth and yield of katuk (*Sauropus androgynus* L. Merr). Pengaruh pupuk organik terhadap pertumbuhan dan produksi katuk (*Sauropus androgynus* (L) Merr)/Sudiarto; Maslahah, N.; Sukmajaya, D. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). Jurnal Penelitian Tanaman Industri (Indonesia) ISSN 0853-8212 (2002) v. 8(3) p. 77-82 2 ill., 5 tables; 7 ref. Summaries (En, In)

SAUROPUS; FERTILIZER APPLICATION; ORGANIC FERTILIZERS; FARMYARD MANURE; APPLICATION RATES; PROTEIN CONTENT; AGRONOMIC CHARACTERS; YIELDS.

0430 SURYATMANA, P. [Effect of kascing and mycorrhizae application to degree of Pb ion on soil, Pb sorption, phosphor sorption and yield of chilli (*Capsicum annuum* L.) on Pb-polluted

soil]. Aplikasi pupuk kascing dan mikoriza serta pengaruhnya terhadap kandungan ion Pb tanah, serapan Pb, serapan P dan hasil tanaman cabai (*Capsicum annuum* L.) pada tanah tercemar Pb/ Suryatmana, P. Universitas Padjadjaran, Bandung (Indonesia). Fakultas Pertanian. Bandung (Indonesia): UNPAD, 2001: 22 p. 4 tables; 11 ref.
CAPSICUM ANNUUM; ORGANIC FERTILIZERS; MYCORRHIZAE; APPLICATION RATES; LEAD; PHOSPHORUS; NUTRIENT UPTAKE; SOIL FERTILITY; YIELDS.

F07 SOIL CULTIVATION / PENG-OLAHAN TANAH

0431 SUPRAPTO. [Water use efficiency on maize farming system in dry land at Patas, Bali]. Efisiensi penggunaan air dalam usahatani jagung pada lahan kering di Patas Bali/Suprpto; Kamandalu, A.A.N.B.; Suryawan; Sinaga, M. (Instalasi Penelitian dan Pengkajian Teknologi Pertanian, Denpasar (Indonesia)). [Advanced Milestone of Food Crop Production Technology: Symposium of the Fourth Food Crops Research]. Tonggak Kemajuan Teknologi Produksi Tanaman Pangan: Simposium Penelitian Tanaman Pangan ke-4/Sunihardi; Kasim, H.; Adil, W.H.; Hermanto (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGTAN, 2002: p. 50-55 1 ill., 3 tables: 8 ref. Summary (In)

ZEA MAYS; FARMING SYSTEMS; VARIETIES; EFFICIENCY; WATER USE; WATER RESERVOIRS; IRRIGATION SYSTEMS; SPRINKLER IRRIGATION; PUMPS; YIELD INCREASES; BALI.

F08 CROPPING PATTERNS AND SYSTEMS / POLA TANAM DAN SISTEM PENANAMAN

0432 HIDAYAT, U. [Agricultural system concerning to environment concept]. Menuju pertanian berwawasan lingkungan/Hidayat, U. (Balai Penelitian Sembawa, Palembang (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 24(4) p.3-4

ORGANIC AGRICULTURE; BIO-PESTICIDES; INTEGRATED CONTROL; ENVIRONMENT.

0433 MULYADI. [Study of shallot, chili and other vegetables in medium and lowland of Yogyakarta]. Pengkajian pola tanam bawang merah, cabe merah dan tanaman sayuran lainnya di dataran rendah dan medium Daerah Istimewa Yogyakarta/ Mulyadi; Aliudin; Sutardi; Sarjiman; Srinarni, R.; Chalimie, N. Balai Pengkajian Teknologi Pertanian, Yogyakarta (Indonesia). Yogyakarta (Indonesia): BPTP, 2001: 32 p. 15 tables; 19 ref.

ALLIUM ASCALONICUM; CAPSICUM ANNUUM; CROP MANAGEMENT; INTERCROPPING; LOWLAND; IRRIGATED LAND; JAVA.

0434 RIZ. [Cropping pattern and marketing methods based on the wise of traditional farmers]. Pola tanam dan pasar belajar dari kearifan petani tradisional/Riz. Direktorat Jenderal Bina Produksi Hortikultura, Jakarta (Indonesia). Hortikultura (Indonesia) ISSN 1412-5250 (2003) v. 2(11) p. 56-57 2 ill.

CROP MANAGEMENT; TRADITIONAL FARMING; INDIGENOUS KNOWLEDGE.

F30 PLANT GENETICS AND BREEDING / GENETIKA DAN PEMULIAAN TANAMAN

0435 ABDULLAH, B. [Releasing the new type of rice high yielding varieties]. Akan dilepas, padi varietas unggul tipe baru perdana/Abdullah, B.; Tjokrowidjojo, S.; Daradjat, A.A.; Guswara, A. (Balai Penelitian Tanaman Padi, Sukamandi (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 24(4) p. 1-2

ORYZA SATIVA; HIGH YIELDING VARIETIES; YIELDS; INDONESIA.

0436 ABDULLAH, B. [Research development of new plant type of rice]. Perkembangan penelitian padi tipe baru/ Abdullah, B. (Balai Penelitian Tanaman Padi, Sukamandi (Indonesia)). Berita Puslitbangtan (Indonesia)

ISSN 0852-6230 (2002) (no. 25) p. 1-4 1 ill., 5 ref.

ORYZA SATIVA; RESEARCH; HIGH YIELDING VARIETIES; HYBRIDIZATION; PEST RESISTANCE; DISEASE RESISTANCE; YIELDS.

0437 BASIR, M. [Yield stability of some population of open pollinated promising maize]. Stabilitas hasil beberapa populasi harapan jagung bersari bebas/Basir, M.; Mappe, A.; Dahlan, M.; Kasim, F. (Balai Penelitian Tanaman Jagung dan Serealia Lainnya, Maros (Indonesia)). [Advanced Milestone of Food Crop Production Technology: Symposium of the Fourth Food Crops Research]. Tonggak Kemajuan Teknologi Produksi Tanaman Pangan: Simposium Penelitian Tanaman Pangan ke-4/Sunihardi; Kasim, H.; Adil, W.H.; Hermanto (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGTAN, 2002: p. 9-17 12 tables; 3 ref. Summary (In)

ZEA MAYS; GENOTYPE ENVIRONMENT INTERACTION; GENETIC STABILITY; LAND PRODUCTIVITY; POPULATION GENETICS; HIGH YIELDING VARIETIES.

0438 DASLIN, A. [Recommended improved rubber clone IRR seri 00 as latex-wood producer]. Klon karet unggul anjuran IRR seri 00 sebagai penghasil lateks-kayu/Daslin, A.; Lasminingsih, M.. Warta Pusat Penelitian Karet (Indonesia) ISSN 0852-8985 (2001) v. 20(1-3) p. 25-31 4 tables; 7 ref. Summary (In)

HEVEA BRASILIENSIS; CLONES; PLANT BREEDING; HIGH YIELDING VARIETIES; PRODUCTIVITY; CROP PERFORMANCE; INCOME.

0439 HIDAYAT. [Quantitative and qualitative genotype and environment interaction on tomatoes]. Interaksi kuantitatif dan kualitatif pada tanaman tomat/Hidayat (Universitas Tanjungpura, Pontianak (Indonesia)). Agrivita (Indonesia) ISSN 0126-0537 (2002) v. 24(2) p. 101-106 4 tables; 16 ref. Summary (En)

LYCOPERSICON ESCULENTUM; GENOTYPES; ENVIRONMENT; QUANTITATIVE GENETICS.

0440 KASIM, F. [Improvement of maize population through recurrent selection]. Perbaikan populasi jagung melalui seleksi berulang/Kasim, F.; Yasin H.G., M.; Azrai, M. (Balai Penelitian Tanaman Jagung dan Serealia Lainnya, Maros (Indonesia)). [Advanced Milestone of Food Crop Production Technology: Symposium of the Fourth Food Crops Research]. Tonggak Kemajuan Teknologi Produksi Tanaman Pangan: Simposium Penelitian Tanaman Pangan ke-4/Sunihardi; Kasim, H.; Adil, W.H.; Hermanto (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGTAN, 2002: p. 1-8 4 tables; 14 ref. Summary (In)

ZEA MAYS; POPULATION GENETICS; BREEDING METHODS; RECOMBINATION; GENETIC RESISTANCE; RECURRENT SELECTION; HYBRIDS.

0441 MAWARDI, S. [Development of *Coffea arabica* planting material in Indonesia during 3 centuries (1699-1999)]. Perkembangan bahan tanam kopi arabika di Indonesia selama tiga abad (1699-1999)/ Mawardi, S.. Warta Pusat Penelitian Kopi dan Kakao Indonesia (Indonesia) ISSN 0215-1308 (2000) v. 16(3) p. 218-231 13 ref.

COFFEA ARABICA; GEOGRAPHICAL DISTRIBUTION; PLANT BREEDING; VARIETIES; PRODUCTION; PLANTING STOCK; INDONESIA.

0442 MUHSANATI. Adaptation of several processing potato varieties (*Solanum tuberosum* L.) in Sukarami (Indonesia). Uji adaptasi beberapa varietas tanaman kentang olahan (*Solanum tuberosum* L.) di Sukarami/Muhsanati; Kasim, M.; Elmiati, R. (Universitas Andalas, Padang (Indonesia)). Fakultas Pertanian). Jurnal Stigma (Indonesia) ISSN 0853-3776 (2002) v. 10(4) p. 294-298 2 tables; 13 ref. Summary (En)

SOLANUM TUBEROSUM; ADAPTATION;
VARIETIES; GROWTH; YIELDS;
SUMATRA.

0443 NURTIRTAYANI. [Adaptation of some maize high yielding varieties and maize promising lines in swamp land]. Varietas unggul dan galur harapan jagung di lahan lebak dangkal/Nurtirtayani; Raihan, S. (Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia)). [Advanced Milestone of Food Crop Production Technology: Symposium of the Fourth Food Crops Research]. Tonggak Kemajuan Teknologi Produksi Tanaman Pangan: Simposium Penelitian Tanaman Pangan ke-4/Sunihardi; Kasim, H.; Adil, W.H.; Hermanto (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGTAN, 2002: p. 18-24 4 tables; 16 ref. Summary (In)

ZEA MAYS; PROGENY TESTING;
GENOTYPE ENVIRONMENT INTER-
ACTION; CLONES; HIGH YIELDING
VARIETIES; SWAMP SOILS; INTER-TIDAL
ENVIRONMENT; ADAPTATION.

0444 PURBIATI, T. [Pergiwo and pergi-wati, two high yielding varieties of *Rosa* sp.]. Pergiwo dan pergiwati, dua varietas unggul bunga mawar potong/Purbiati, T. (Balai Pengkajian Teknologi Pertanian Jawa Timur, Malang (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(2) p. 1-2

ROSA; CUT FLOWERS; HIGH YIELDING
VARIETIES; AGRONOMIC CHARAC-TERS;
ADAPTATION.

0445 PUSAT PENELITIAN DAN
PENGEMBANGAN TANAMAN PANGAN,
BOGOR. [Sukmaraga and Palakka: new high
yielding of corn]. Sukmaraga dan Palakka:
varietas unggul baru jagung/Pusat Penelitian dan
Pengembangan Tanaman Pangan, Bogor
(Indonesia). Warta Penelitian dan
Pengembangan Pertanian (Indonesia) ISSN
0216-4427 (2003) v. 25(1) p. 11-12 1 tables

ZEA MAYS; HIGH YIELDING VARIE-TIES;
PRODUCTION INCREASE.

0446 SUMANGGONO, A.M.R. Current status of legume crop improvement with the use of mutation techniques in Indonesia. Status terkini tentang perbaikan sifat tanaman kekacangan dengan menggunakan teknik mutasi di Indonesia/Sumanggono, A.M.R.; Masrizal; Dewi, K. (Pusat Penelitian dan Pengembangan Isotop dan Radiasi-Badan Tenaga Atom Nasional, Jakarta (Indonesia)). Jurnal Stigma (Indonesia) ISSN 0853-3776 (2002) v. 10(4) p. 283-288 7 tables; 5 ref. Summary (In)

LEGUMINOSAE; MUTATION; PLANT
BREEDING; RADIATION; VARIETIES;
YIELDS; INDONESIA.

0447 SUTRISNA, N. [Rice productivity on some typology of tidal swamp land of West Kalimantan]. Produktivitas padi pada beberapa tipologi lahan pasang surut di Kalimantan Barat/Sutrisna, N.; Suwalan, S. (Balai Pengkajian Teknologi Pertanian Jawa Barat, Lembang (Indonesia)). Berita Puslitbangtan (Indonesia) ISSN 0852-6230 (2002) (no. 25) p. 4-6 2 tables; 4 ref.

ORYZA SATIVA; HIGH YIELDING
VARIETIES; CULTIVATION; YIELDS; PEAT
SOILS; INTERTIDAL ENVIRON-MENT;
SULPHIDES; KALIMANTAN.

0448 TARYONO. [Conservation and characterization of *Plumbago zeylanica* germplasm]. Pelestarian dan karakterisasi plasma nutfah daun encok/Taryono; Syukur, C.; Lendri, S.; Rachmat, E.; Djunaedi, E. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/ Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGBUN, 2002: p. 133-137 6 tables; 5 ref. Summary (In)

PLUMBAGINACEAE; DRUG PLANTS;
TRADITIONAL MEDICINES; GERM-PLASM
CONSERVATION; BIO-DIVERSITY;
AGRONOMIC CHARAC-TERS; PLANT
ANATOMY.

0449 YULAIKAH, S. [Exploration of genetic sources of tobacco]. Eksplorasi sumber-sumber genetik tembakau/Yulaikah, S.; Rochman, F.; Supriyono; Dalmadiyo, G. (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). Tropika (Indonesia) ISSN 0854-6533 (2002) v. 10(1) p. 64-70 5 tables; 11 ref. Summary (En)

NICOTIANA TABACUM; GENETIC RESOURCES; GERMPLOASM; DISEASE RESISTANCE; PSEUDOMONAS SOLANACEARUM; MELOIDOGYNE; PHYTOPHTHORA NICOTIANAE.

F50 PLANT STRUCTURE / MORFOLOGI DAN ANATOMI TANAMAN

0450 WONOHADI, E. [Comparison between microscopic and macroscopic powder of dewa leaves (*Gynura procumbens* var. *Macrophylla*) with sambung nyawa leaf (*Gynura procumbens* (Lour.) Merr.)]. Perbandingan mikroskopik serbuk dan makroskopik daun dewa (*Gynura procumbens* var. *Macrophylla*) dengan daun sambung nyawa (*Gynura procumbens* (Lour.) Merr./Wonohadi, E.; Palupi, S. (Universitas Surabaya (Indonesia). Fakultas Farmasi). Warta Tumbuhan Obat Indonesia (Indonesia) ISSN 0853-6929 (2000) v. 6(1) p. 4-5 3 ill., 5 ref. Summary (In)

ASTERACEAE; DRUG PLANTS; MICROSCOPY; POWDERS; LEAVES.

F60 PLANT PHYSIOLOGY AND BIO-CHEMISTRY / FISILOGI DAN BOKIMIA TANAMAN

0451 ADJIRNI. [Prevention effect of bladder stone artificial and LD50 infusion of dewa leaves (*Gynura procumbens* Lour.) on laboratory animal]. Penelitian efek pencegahan batu kandung kemih buatan dan LD50 infus daun dewa (*Gynura procumbens* Lour.) pada hewan coba/Adjirni; Wahjoedi, B.; Sa'roni (Pusat Penelitian dan Pengembangan Farmasi, Jakarta (Indonesia)). Warta Tumbuhan Obat Indonesia (Indonesia) ISSN 0853-6929 (2000) v. 6(1) p. 8-9 1 table; 8 ref. Summary (In)

ASTERACEAE; DRUG PLANTS; MICE; LABORATORY ANIMALS; RESEARCH; DISEASE CONTROL.

0452 ASHARI, B.J. [Trials on bactericide potentials of essential oil found in *Alpinia galanga* corms]. Uji aktivitas bakterisida minyak atsiri dari rimpang laos/Ashari, B.J. (Universitas Tadulako, Palu (Indonesia). Fakultas Keguruan dan Ilmu Pendidikan). [Proceedings of the Fourth National Seminar on Chemistry]. Prosiding Seminar Nasional Kimia IV/Zetra, Y.; Ekawati, F.; Santoso, M. (eds.) Institut Teknologi Sepuluh Nopember, Surabaya (Indonesia). Surabaya (Indonesia): ITS, 2002: p. 38-40 3 tables; 5 ref. Summary (In)

ALPINIA GALANGA; RHIZOMES; DISTILLING; BACTERICIDES; FUNGICIDES; ESSENTIAL OILS; STAPHYLOCOCCUS AUREUS; ESCHERICHIA COLI; CANDIDA ALBICANS; TRADITIONAL MEDICINES.

0453 BATUBARA, I. [Herbal extracts activity of *Plumbago zeylanica* on leucemia cell]. Aktivitas ekstrak herba daun encok (*Plumbago zeylanica*) terhadap sel leukemia/Batubara, I.; Murni, A.; Darusman, L.K. (Institut Pertanian Bogor (Indonesia). Pusat Studi Biofarmaka). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGBUN, 2002: p. 211-214 3 tables; 7 ref. Summary (In)

PLUMBAGINACEAE; LEAVES; PLANT EXTRACTS; ETHANOL; LEUKAEMIA; ANTIGENS.

0454 DEWI N.L., P. [Test of traditional drug plants activity used for hypertension derive on antibacterial, antioxidant, and toxicity on *Artemia salina* larvae]. Uji aktivitas tumbuhan obat tradisional yang digunakan untuk penurunan tekanan darah tinggi terhadap daya antibakteri, antioksidan dan toksisitas terhadap larva udang *Artemia salina* leach/Dewi N.L., P.; Udin, L.Z.; Kardono, L.B.S. (Pusat Penelitian dan Pengembangan Kimia Terapan-LIPI, Serpong-Tangerang (Indonesia)). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan,

Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGBUN, 2002: p. 305-312 4 tables; 8 ref. Summary (In)

AVERRHOA; ACANTHACEAE; DRUG PLANTS; TRADITIONAL MEDICINES; HYPERTENSION; PLANT EXTRACTS; ANTIMICROBIAL PROPERTIES; ANTI-OXIDANTS; TOXICITY; ARTEMIA SALINA; FISH LARVAE.

0455 HARTI, S. [Histochemical test of stems and leaves of *Plumbago zeylanica*]. Uji histokimia batang dan daun encok/Harti, S.; Soemartojo, J. (Universitas Katolik Widya Mandala, Surabaya (Indonesia). Pusat Penelitian Obat Tradisional). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGBUN, 2002: p. 185-192 14 ill., 6 ref. Summary (In)

PLUMBAGINACEAE; LEAVES; STEMS; PLANT TISSUES; LIGNINS; XYLEM; SCLERENCHYMA; BIOPOLYMERS; TANNINS.

0456 HERNANI. [Qualitative chemical analysis of *Talinum triangulare*]. Analisis kimia akar kolesom (*Talinum triangulare*) secara kualitatif/Hernani (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia); Logawa, B.; Yusmartiana. [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGBUN, 2002: p. 299-304 2 ill., 2 tables; 7 ref. Summary (In)

PORTULACAEAE; DRUG PLANTS; CHEMICAL COMPOSITION; ALKALOIDS; SAPONINS; THIN LAYER CHROMATOGRAPHY; HPLC.

0457 HIDAYAT, S. [Useful value of *Tamarindus indica* L. in Java-Bali Islands use for drug plant]. Nilai guna *Tamarindus indica* L. di pulau Jawa-Bali sebagai tumbuhan obat/Hidayat, S.; Astuti, I.P. (Balai Pengembangan Kebun Raya-LIPI, Bogor

(Indonesia)). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGBUN, 2002: p. 79-84 2 tables; 4 ref. Summary (In)

TAMARINDUS INDICA; DRUG PLANTS; DRUGS; TRADITIONAL MEDICINES; MULTIPLE USE; JAVA; BALI.

0458 LOTULUNG, P.D.N. [Filtering of antibacterial, antioxidant and toxicity activities on *Artemia salina* larvae of Asteraceae extracts]. Penapisan aktivitas antibakteri, antioksidan dan toksisitas terhadap larva udang *Artemia salina* ekstrak tumbuhan Asteraceae/Lotulung, P.D.N.; Minarti; Kartono, L.B.S. (Pusat Penelitian dan Pengembangan Kimia Terapan-LIPI, Serpong-Tangerang (Indonesia)). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/ Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGBUN, 2002: p. 313-318 3 tables; 14 ref. Summary (In)

COSMOS; SPILANTHES; LEAVES; PLANT EXTRACTS; METHANOL; ANTI-MICROBIAL PROPERTIES; ANTI-OXIDANTS; TOXICITY; ARTEMIA SALINA; FISH LARVAE.

0459 MEIYANTO, E. [Toxic effect screening a few ethanol extract fraction of dewa leaves (*Gynura procumbens* (Lour.) Merr.)]. Skrining efek toksik beberapa fraksi ekstrak etanol daun dewa (*Gynura procumbens* (Lour.) Merr.)/Meiyanto, E.; Sugiyanto; Sudarto, B. (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Farmasi). Warta Tumbuhan Obat Indonesia (Indonesia) ISSN 0853-6929 (2000) v. 6(1) p. 11-13 1 ill., 2 tables; 7 ref. Summary (In)

ASTERACEAE; DRUG PLANTS; ARTEMIA SALINA; ETHANOL; EXTRACTION; CHROMATOGRAPHY; TOXICITY.

0460 MOELYONO M.W. [Screening on the antioxidant activity of medicinal plant *in vitro*]. Skrining aktivitas antioksidan *in vitro* dari

beberapa tumbuhan obat. Laporan penelitian/Moelyono M.W.; Muhtadi, A. Universitas Padjadjaran, Bandung (Indonesia). Fakultas Matematika dan Pengetahuan Alam. Bandung (Indonesia): UNPAD, 2001: 20 p. 1 ill., 5 tables; 11 ref.

DRUG PLANTS; ANTIOXIDANTS; IN VITRO; SPECTROMETRY; TRADITION-AL MEDICINES.

0461 NUGRAHENI, W.P. [Utilization of *Plumbago zeylanica* on treat various disease]. Pemanfaatan daun encok dalam mengobati berbagai penyakit/Nugraheni, W.P.; Ariningrum, R.; Hutapea, J.R. (Pusat Penelitian dan Pengembangan Pelayanan dan Teknologi Kesehatan, Jakarta (Indonesia)). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGBUN, 2002: p. 197-204 2 tables; 8 ref. Summary (In)

PLUMBAGINACEAE; DRUG PLANTS; MEDICINAL PROPERTIES; TRADITION-AL MEDICINES; MULTIPLE USE.

0462 NUGROHO, Y.A. [Effect of *Andrographis paniculata* on decreasing blood lipid content]. Sambilotto (*Andrographis paniculata* Nees) tumbuhan obat Indonesia penurun kadar lipid darah/Nugroho, Y.A. (Pusat Penelitian dan Pengembangan Farmasi, Jakarta (Indonesia)); Nafrialdi. [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGBUN, 2002: p. 353-358 4 tables; 16 ref. Summary (In)

ACANTHACEAE; DRUG PLANTS; PLANT EXTRACTS; ARTERIOSCLEROSIS; BLOOD LIPIDS; CHOLESTEROL; TRIGLYCERIDES.

0463 PALUPI, S. [Effect of extracter liquid and extraction method on essential oil component profile of *Plumbago zeylanica* and identification of its metal]. Pengaruh cairan pengekstraksi dan cara ekstraksi terhadap profil

komponen minyak atsiri daun encok (*Plumbago zeylanica* L) serta identifikasi logam-logamnya/Palupi, S. (Universitas Surabaya (Indonesia). Fakultas Farmasi). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGBUN, 2002: p. 215-227 13 ill., 1 table; 9 ref. Summary (In)

PLUMBAGINACEAE; LEAVES; PLANT EXTRACTS; ESSENTIAL OILS; ETHANOL; CALCIUM; COPPER; MANGANESE; MAGNESIUM; IRON; POTASSIUM; SODIUM.

0464 PRASETYORINI. [Morphology, anatomy and physiology of *Pterocarpus indica* wild (angsana) leaves at Baranangsiang terminal, Bogor (Indonesia)]. Morfologi, anatomi dan fisiologi daun *Pterocarpus indica* wild. (angsana) di terminal Baranangsiang Bogor/Prasetyorini; Ismanto; Moerfiah (Universitas Pakuan, Bogor (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam); Wahyudin, D.. Ekologia (Indonesia) ISSN 1411-9447 (2001) v. 1(1) p. 9-13 4 tables; 10 ref. Summary (In)

PTEROCARPUS INDICUS; LEAVES; AIR POLLUTION; PLANT ANATOMY; PLANT PHYSIOLOGY; JAVA.

0465 PRIASTINI S., R. [Toxicity of *Tamarindus indica* leaves extracts on liver and kidney of male rats]. Uji toksisitas ekstrak daun asam jawa (*Tamarindus indica* L.) pada hepar dan ginjal mencit jantan/Priastini S., R.; Winata, S.D. (Universitas Kristen, Jakarta (Indonesia). Fakultas Kedokteran). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGBUN, 2002: p. 119-124 4 tables; 5 ref. Summary (In)

TAMARINDUS INDICA; LEAVES; PLANT EXTRACTS; TOXICITY; MICE; KIDNEYS; LIVER.

0466 SOEJANI, S. [Comparison of chemical composition of tamarindus leaves taken from three different regions]. Perbandingan kadar sari daun asam (*Tamarindus indica* L.) dari ketiga daerah yang berbeda/Soejani, S.; Kesuma, D. (Universitas Surabaya (Indonesia). Fakultas Farmasi). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGBUN, 2002: p. 101-106 2 ill., 2 tables; 5 ref. Summary (In). Appendix

TAMARINDUS INDICA; LEAVES; CHEMICAL COMPOSITION; MEDICINAL PROPERTIES; CHLOROFORM.

0467 SOETARNO, S. [Flavonoid and fenolat acid of dewa leaves (*Gynura procumbens* (Lour.) Merr.). Flavonoid dan asam-asam fenolat dari daun dewa [*Gynura procumbens* (Lour.) Merr.]/Soetarno, S.; Suganda, A.G.; Sugihartina, G.; Sukrasno (Institut Teknologi Bandung (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam). Warta Tumbuhan Obat Indonesia (Indonesia) ISSN 0853-6929 (2000) v. 6(1) p. 6-7 5 tables; 4 ref. Summary (In)

ASTERACEAE; DRUG PLANTS; FLAVONOIDS; ACIDS; CHROMATOGRAPHY; ETHANOL; ULTRAVIOLET SPECTRO-PHOTOMETRY

0468 SUDARSO. [Acute toxicity tests of dewa leaves ethanol essence on laboratory animal (mice)]. Uji toksisitas akut sari etanol daun dewa (*Gynura procumbens* Merr.) terhadap hewan uji mencit/Sudarso (Universitas Hasanuddin, Ujung Pandang (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam). Warta Tumbuhan Obat Indonesia (Indonesia) ISSN 0853-6929 (2000) v. 6(1) p. 9-10 2 tables; 5 ref. Summary (In)

ASTERACEAE; DRUG PLANTS; MICE; ETHANOL; LABORATORY ANIMALS; ACUTE TOXICITY; BIOLOGICAL PROPERTIES.

0469 SUMASTUTI, R. [Effect of antihistamin compound on leaves, skin and fruit extracts of *Tamarindus indica* on squirell intestine]. Efek antihistamin ekstrak daun, kulit batang dan buah hitam asam jawa (*Tamarindus indica* L.) pada ileum marmot terpisah/Sumastuti, R. (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Kedokteran). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGBUN, 2002: p. 107-112 2 ill., 2 tables; 10 ref. Summary (In)

TAMARINDUS INDICA; LEAVES; PLANT EXTRACTS; FRUITS; STEMS; ANTI-HISTAMINICS; INTESTINES; SQUIR-RELS.

0470 SUPRIADI. [Antibacterial ability of Kaempferia galanga oils on *Bacillus cereus* and *Ralstonia solanacearum*]. Daya antibakteri minyak atsiri beberapa aksesori kencur terhadap *Bacillus cereus* dan *Ralstonia solanacearum*/Supriadi; Bermawie, N.; Hernani; Winarti, C. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGBUN, 2002: p. 319-322 1 table; 7 ref. Summary (In)

KAEMPFERIA; ESSENTIAL OILS; ANTIMICROBIAL PROPERTIES; BACILLUS CEREUS; PSEUDOMONAS SOLANACEARUM.

0471 SUPRIADI. [Potential of cashew leaf extracts on *Bacillus cereus* and *Pseudomonas solanacearum*]. Potensi ekstrak daun 5 klon jambu mente terhadap *Bacillus cereus* dan *Pseudomonas solanacearum*/Supriadi; Yuliani, S.; Angelia, I. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia).

Bogor (Indonesia): PUSLIT-BANGBUN, 2002: p. 373-378 5 ill., 9 ref. Summary (In)

ANACARDIUM OCCIDENTALE; CLONES; LEAVES; PLANT EXTRACTS; FLAVONOIDS; SAPONINS; STEROLS; TANNINS; ANTIMICROBIAL PROPERTIES; PSEUDOMONAS SOLANACEARUM; BACILLUS CEREUS.

0472 TAEBE, B. [Analgesic effect of methanol extract from *Tamarindus indica* on male rats]. Uji efek analgetik ekstrak metanol daun asam jawa (*Tamarindus indica* Linn.) terhadap mencit jantan/Taebé, B.; Tobo, F.; Hasbi, M.; Tayeb, R. (Universitas Hasanuddin, Makasar (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGBUN, 2002: p. 113-118 1 ill., 6 tables; 8 ref. Summary (In) TAMARINDUS INDICA; LEAVES; PLANT EXTRACTS; ANALGESICS; METHANOL; MICE; MALES; LABORATORY ANIMALS.

0473 WINDONO, T. [Isolation and identification of isoflavon compound from dewa leaves (*Gynura procumbens* Backer)]. Isolasi dan identifikasi suatu senyawa isoflavon dari daun dewa (*Gynura procumbens* Backer)/Windono, T.; Susilowati (Universitas Surabaya (Indonesia). Fakultas Farmasi). Warta Tumbuhan Obat Indonesia (Indonesia) ISSN 0853-6929 (2000) v. 6(1) p. 1-3 3 ill., 14 tables. Summary (In)

ASTERACEAE; DRUG PLANTS; FLAVONOIDS; ISOLATION; IDENTIFICATION; EXTRACTION; FRACTIONATION; SPECTROMETRY.

0474 YULIANI, S. [Analysis of *Piper retrofractum* quality from Lamongan and Sumenep]. Analisis mutu cabe jawa dari daerah Lamongan dan Sumenep /Yuliani, S.; Anggraeni; Tritianingsih (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants].

Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGBUN, 2002: p. 343-346 3 tables; 3ref. Summary (In)

PIPER RETROFRACTUM; DRUG PLANTS; TRADITIONAL MEDICINES; PROCESSING; ESSENTIAL OILS; QUALITY; JAVA.

0475 YULIANI, S. [Ethyl-P-metoxisnamat isolation from *Kaempferia galanga* by macerating method]. Isolasi etil-P-metoksisnamat dari kencur dengan cara maserasi/Yuliani, S.; Tritianingsih (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGBUN, 2002: p. 347-352 1 ill., 3 tables; 10 ref. Summary (In) KAEMPFERIA; ISOLATION; CINNAMIC ACIDS; MACERATING; AROMATIC COMPOUNDS; SPECTROMETRY.

F62 PLANT PHYSIOLOGY – GROWTH AND DEVELOPMENT / FISIOLOGI TANAMAN – PERTUMBUHAN DAN PERKEMBANGAN

0476 BUDIARDJO, K. [Efforts of flowering control and yield increase on *Citrus nobilis* cultivation]. Usaha pengaturan pembungaan dan peningkatan hasil dalam budidaya tanaman jeruk keprok (*Citrus nobilis*)/Budiardjo, K. Institut Pertanian STIPER, Yogyakarta (Indonesia). Yogyakarta (Indonesia): Institut Pertanian STIPER, 2000: 65 p. 19 ill., 2 tables; 29 ref.

CITRUS; CULTIVATION; FLOWERING; PRODUCTION POSSIBILITIES; PLANT ANATOMY; SEEDS; VARIETIES; ECONOMIC VALUE.

F70 PLANT TAXONOMY AND GEOGRAPHY / TAKSONOMI TANAMAN DAN SEBARAN GEOGRAFI

0477 HARYANI, T.S. [Biodiversity of polypodiaceae at Kebun Raya Cibodas area, Cianjur, West Java]. Keanekaragaman jenis paku-pakuan famili polypodiaceae di kawasan Kebun Raya-Cibodas, Cianjur, Jawa Barat/ Haryani, T.S.; Triastinurmiatiningsih (Universitas Pakuan, Bogor (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam). Ekologia (Indonesia) ISSN 1411-9447 (2001) v. 1(1) p. 5-8 2 tables; 7 ref. Summary (In)

POLYPODIUM; SPECIES; BIO-DIVERSITY; SURVEYS; JAVA.

0478 HIDAYAT, R.S. [Observation of dewa leaves (*Gynura procumbens* (Lour.) Merr. habitation). Pengamatan habitat daun dewa (*Gynura procumbens* (Lour.) Merr.)/ Hidayat, R.S. (Balai Pengembangan Kebun Raya-LIPI, Bogor (Indonesia)). Warta Tumbuhan Obat Indonesia (Indonesia) ISSN 0853-6929 (2000) v. 6(1) p. 14-15 1 table; 5 ref. Summary (In)

ASTERACEAE; DRUG PLANTS; HABITATS.

H10 PESTS OF PLANTS / HAMA TANAMAN

0479 ASMAN, A. [Opportunity of botanical pesticide from cloves]. Peluang industri pestisida nabati berbahan baku cengkeh/ Asman, A. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(1) p. 12-13

CLOVES; ESSENTIAL OILS; BOTANICAL PESTICIDES.

0480 DARYANTO. . [Guidance of utilization of plant protection facilities (use of pesticide with minimum residues)]. Pedoman pemanfaatan sarana perlindungan (penggunaan pestisida dengan residu minimum)/ Daryanto; Desmawati; Issusilaningtyas, U.H.; Sukamto, S.; Elvinardewi, E. Direktorat Perlindungan Hortikultura, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Perlindungan Hortikultura, 2001: 46 p. 4 ref. Appendixes

HORTICULTURE; PESTICIDES; SELECTION; APPLICATION RATES;

APPLICATION METHODS; SPRAYERS; RESIDUES.

0481 DESMAWATI. [Control of melon (*Cucumis melo*) pests]. Mengendalikan hama melon/Desmawati (Direktorat Perlindungan Hortikultura, Jakarta (Indonesia)). Hortikultura (Indonesia) ISSN 1412-5250 (2003) v. 2(11) p. 38-39 3 ill.

CUCUMIS MELO; PESTS OF PLANTS; INTEGRATED CONTROL.

0482 MARYAM-ABN. [Botanical insecticides]. Insektisida botani pasti ramah lingkungan/Maryam-ABN; Mulyana, T. (Balai Penelitian Tanaman Hias, Cianjur (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(1) p. 7-8

AZADIRACHTA INDICA; ANNONA SQUAMOSA; BOTANICAL INSECTICIDES.

0483 NGATIMAN. [Attack and control of *Zeuzera coffeae* on *Peronema canescens*]. Serangan hama penggerek batang *Zeuzera coffeae* Nietn pada tanaman sungkai (*Peronema canescens* Jack) dan pengendaliannya/Ngatiman (Balai Penelitian dan Pengembangan Kehutanan Kalimantan, Samarinda (Indonesia)); Sunyoto; Bambang. Dipterokarpa (Indonesia) ISSN 1410-1033 (2002) v. 6(1) p. 57-65 1 ill., 2 tables; 10 ref. Summary (In)

FOREST TREES; ZEUZERA; CONTROL METHODS; PEST CONTROL.

0484 ROCHMAN. [Effective method for controlling rats]. Cara efektif mengendalikan tikus/Rochman (Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(1) p. 8-10 1 ill.

ORYZA SATIVA; RODENT CONTROL; TRAPS; TECHNOLOGY.

0485 ROSTIKAWATI, T. [Effect of *Areca catechu* Linn.) seed extract on *Tenebrio molitor* Linn larvae mortality]. Pengaruh ekstrak biji pinang (*Areca catechu* Linn) terhadap mortalitas larva *Tenebrio molitor* Linn/Rostikawati, T.; Jaenudin, D.; Pujianti, A. (Universitas Pakuan, Bogor (Indonesia). Fakultas Keguruan dan Ilmu Pendidikan). *Ekologia (Indonesia)* ISSN 1411-9447 (2002) v. 2(2) p.7-9 6 ref. Summary (In)

ARECA CATECHU; PEST CONTROL; DRUG PLANTS; SEEDS; EXTRACTS; TENEBRIO MOLITOR; MORTALITY.

0486 RUSLI, I. Inventory of pesticide used by cabbage farmers in Kecamatan Lembah Gumanti, Solok District (Indonesia). Inventarisasi penggunaan pestisida oleh petani kubis di Kecamatan Lembah Gumanti, Kabupaten Solok/Rusli, I. (Balai Pengkajian Teknologi Pertanian Sukarami, Solok (Indonesia)). *Jurnal Stigma (Indonesia)* ISSN 0853-3776 (2002) v. 10(4) p. 344-346 2 tables; 5 ref. Summary (En)

BRASSICA; PESTICIDES; INSECTICIDES; FUNGICIDES; FARMERS; SUMATRA.

0487 SAENONG, M.S. [Resistance sources of maize to *Sitophilus zeamais*]. Sumber ketahanan tanaman jagung terhadap hama kumbang bubuk /Saenong, M.S.; Suherman, O. (Balai Penelitian Tanaman Jagung dan Serealia Lainnya, Maros (Indonesia)). [Advanced Milestone of Food Crop Production Technology: Symposium of the Fourth Food Crops Research]. *Tonggak Kemajuan Teknologi Produksi Tanaman Pangan: Simposium Penelitian Tanaman Pangan IV/Sunihardi; Kasim, H.; Adil, W.H.; Hermanto (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGTAN, 2002: p. 69-86 15 tables: 25 ref. Summary (In)*

ZEA MAYS; VARIETIES; SITOPHILUS ZEAMAI; MIGRATORY PESTS; GENETIC INHERITANCE; PEST RESISTANCE; GENETIC RESISTANCE; HARVESTING LOSSES; HARVESTING FREQUENCY; PROGENY.

0488 WIDIARTA, I N. [Integration of integrated pest control system to integrated plant management model]. Integrasi sistem pengendalian hama terpadu ke dalam model

pengelolaan tanaman terpadu/Widiarta, I N.; Hendarsih S. (Balai Penelitian Tanaman Padi, Sukamandi (Indonesia)). *Warta Penelitian dan Pengembangan Pertanian (Indonesia)* ISSN 0216-4427 (2003) v. 24(4) p. 8-10

CROPS; INTEGRATED PEST MANAGEMENT; PRODUCTION INCREASE; FARM INCOME; ENVIRONMENTAL FACTORS.

0489 YASIN H.G., M. [Control of *Ostrinia furnacalis* and *Helicoverpa armigera* on maize by cytoplasmic polyhedrosis virus]. Pengendalian penggerek jagung dan penggerek tongkol dengan cytoplasmic polyhedrosis virus/Yasin H.G., M.; Baco, D. (Balai Penelitian Tanaman Jagung dan Serealia Lainnya, Maros (Indonesia)). [Advanced Milestone of Food Crop Production Technology: Symposium of the Fourth Food Crops Research]. *Tonggak Kemajuan Teknologi Produksi Tanaman Pangan: Simposium Penelitian Tanaman Pangan ke-4/Sunihardi; Kasim, H.; Adil, W.H.; Hermanto (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGTAN, 2002: p. 87-93 3 ill., 1 table: 15 ref. Summary (In)*

ZEA MAYS; OSTRINIA FURNACALIS; HELICOVERPA ARMIGERA; STEM EATING INSECTS; BIOLOGICAL CONTROL AGENTS; PEST CONTROL; PATHOGENS; MORTALITY; BIO-LOGICAL PROPERTIES.

0490 ZEIN, R. Determination of imidachloprid, profenophos and deltamethrin as pesticide residue in chili pepper by high performance liquid chromatography. Penentuan imidachloprid, profenofos dan deltametrin sebagai residu pestisida pada buah cabe secara kromatografi cair kinerja tinggi/ Zein, R.; Munaf, E. (Universitas Andalas, Padang (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam) Nurhamidah; Suyani, H.. *Jurnal Stigma (Indonesia)* ISSN 0853-3776 (2002) v. 10(4) p. 352-356 4 ill., 11 ref. Summary (En)

CHILLIES; IMIDACHLOPRID; PROFENOFOS; DELTAMETHRIN; PESTICIDES; RESIDUES; HPLC.

H20 PLANT DISEASES / PENYAKIT TANAMAN

0491 DARLIAH. [New varieties of rose cut flower for tropical environment]. Varietas baru mawar potong untuk lingkungan tropis/ Darliah (Balai Penelitian Tanaman Hias, Cianjur (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(3) p.13-14 1 ill.

ROSA; CUT FLOWERS; HIGH YIELDING VARIETIES; SELECTION; CROSS-BREEDING; PLANT ANATOMY.

0492 INDRIANI, R. [Lokal infectious bronchitis (IB) vaccine]. Vaksin IB produk lokal, kualitas terjamin/Indriani, S. (Balai Penelitian Veteriner, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(1) p. 10-11 1 ill.

POULTRY; INFECTION; BRONCHITIS; VACCINES.

0493 MUSTIKA, I. [Utilization of *Pasteuria penetrans* for yellow diseases control agents on pepper plant]. Bakteri *Pasteuria penetrans* sebagai agen pengendali penyakit kuning pada tanaman lada/Mustika, I. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(3) p. 14-16 1 ill., 1 table

PIPER NIGRUM; RADOPHOLUS SIMILIS; MELOIDOGYNE INCOGNITA; PASTEURIA; BACTERIA; BIOLOGICAL CONTROL AGENTS; DISEASE CONTROL.

0494 NGATIMAN. [Dwarf disease infection on *Shorea lamellata* and *Shorea assamica*]. Serangan penyakit kerdil pada meranti putih (*Shorea lamellata* dan *Shorea assamica*)/Ngatiman; Armansah (Balai Penelitian dan Pengembangan Kehutanan Kalimantan, Samarinda (Indonesia)). Dipterokarpa (Indonesia) ISSN 1410-1033 (2002) v. 6(2) p. 21-29 1 ill., 4 tables; 7 ref. Summary (In)

SHOREA; PLANT DISEASES; MYCOPLASMA; GROWTH; SYMPTOMS; INFECTION.

0495 RAHARDJO, I.B. [Infection of cucumber mosaic virus on *Vinca* sp.]. Waspadalah terhadap virus mosaik ketimun, dapat menyerang tapak dara/Rahardjo, I.B. (Balai Penelitian Tanaman Hias, Cianjur (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(2) p. 10-11

CATHARANTHUS ROSEUS; CUCUMBER MOSAIC CUCUMOVIRUS; INFECTION; DISEASE CONTROL; SYMPTOMS.

0496 RAHARDJO, I.B. [Protection of *Dendranthema* spp. from virus using carna 5 vaccine]. Memproteksi tanaman krisan dari virus dengan vaksin carna 5/Rahardjo, I.B. (Balai Penelitian Tanaman Hias, Cianjur (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(2) p. 17

DENDRANTHEMA; CUCUMBER MOSAIC CUCUMOVIRUS; VACCINES; PLANT PROTECTION.

0497 RAS, Y. [Determination the method of measurement and the comparison of growth a few group fungi plant pathogen by *in vitro* culture]. Pengujian metode pengukuran dan perbandingan pertumbuhan beberapa kelompok jamur patogen tanaman secara *in vitro*/Ras, Y. (Universitas Mahaputra Muhammad Yamin, Solok (Indonesia)). Jurnal Ilmiah Tambua (Indonesia) ISSN 1412-5838 (2003) v. 11(1) p. 28-36 4 tables; 13 ref. Summary (En)

PATHOGENS; IN VITRO CULTURE; CULTURE MEDIA; GROWTH; ISOLATION; MEASUREMENT.

0498 SALEH, N. [Optimalization strategy of leaf spot and rust disease control on groundnut]. Strategi optimalisasi pengendalian penyakit bercak daun dan karat pada kacang tanah/Saleh, N. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang

(Indonesia)). Buletin Palawija (Indonesia) ISSN 1693-1882 (2002) (no. 3) p. 37-47 1 ill., 43 ref. Summaries (En, In)

ARACHIS HYPOGAEA; SPOTS; PLANT DISEASES; DISEASE CONTROL; RUSTS; MYCOSPHAERELLA ARACHIDIS; MYCOSPHAERELLA BERKELEYI; PUCCINIA ARACHIDIS; VARIETIES.

0499 SOESANTO, L. *Arabidopsis thaliana* as a bioassay plant for *Verticillium dahliae* Kleb. *Arabidopsis thaliana* (L.) Heyhn sebagai tanaman uji hayati untuk *Verticillium dahliae* Kleb./Soesanto, L. (Universitas Jenderal Soedirman, Purwokerto (Indonesia). Fakultas Pertanian); Termorshuizen, A.J.. Tropika (Indonesia) ISSN 0854-6533 (2002) v. 10(2) p. 152-161 4 ill., 1 table; 21 ref. Summary (En)

ARABIDOPSIS THALIANA; VERTICILLIUM DAHLIAE; BIOASSAYS; SOILBORNE ORGANISMS; INOCULATION; SPORES.

0500 SUDIR. Effect of rice genotype, fertilizers, and fungicides on intensity of rice neck blast. Pengaruh genotipe, pupuk, dan fungisida terhadap penyakit blas leher pada padi gogo/Sudir (Balai Penelitian Tanaman Padi, Sukamandi (Indonesia); Suprihanto; Guswara, A.; Toha, H.M.. Penelitian Pertanian Tanaman Pangan (Indonesia) ISSN 0216-9959 (2002) v. 21(1) p. 39-42 4 tables; 12 ref. Summaries (En, In)

ORYZA SATIVA; NITROGEN FERTILIZERS; POTASH FERTILIZERS; GENOTYPES; FUNGICIDES; VARIETIES; PLANT DISEASES; MAGNAPORTHE GRISEA.

0501 SUMARMADJI. [Controlling tapping panel dryness and bark necrosis on rubber plant]. Pengendalian kering alur sadap dan nekrosis pada kulit tanaman karet/ Sumarmadji. Warta Pusat Penelitian Karet (Indonesia) ISSN 0852-8985 (2001) v. 20(1-3) p. 76-88 8 ill., 1 table; 25 ref. Summary (In)

HEVEA BRASILIENSIS; TAPPING; NECROSIS; SYMPTOMS; FUSARIUM SOLANI; BOTRYODIPLODIA; PLATYPUS;

USTULINA; BARKING; MECHANICAL METHODS; DISEASE CONTROL.

0502 YUSUF, E.S. [Opportunity of gliocompost as synthetic fungicides substitute]. Gliocompost berpotensi menggantikan fungisida sintesis/Yusuf, E.S.; Nuryani, W.; Saepullah, A. (Balai Penelitian Tanaman Hias, Cianjur (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(1) p. 16-17 1 ill.

ORNAMENTAL PLANTS; GLIOCLADIUM; FUNGICIDES; FUSARIUM.

J11 HANDLING, TRANSPORT, STORAGE AND PROTECTION OF PLANT PRODUCTS / PENANGANAN, TRANSPORT, PENYIMPANAN DAN PERLINDUNGAN HASIL TANAMAN

0503 DEPARTEMEN PERTANIAN, JAKARTA. [Quality guarantee for mangoes: technical guidance of horticulture postharvest technology]. Pedoman kerja jaminan mutu mangga: petunjuk teknis pasca panen hortikultura/Departemen Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): Departemen Pertanian, 2000: 56 p. 3 ill., 9 tables

MANGOES; FARMERS ASSOCIATIONS; PLANT PRODUCTION; POSTHARVEST TECHNOLOGY; QUALITY; AGRO-INDUSTRIAL SECTOR.

0504 DIREKTORAT JENDERAL BINA PRODUKSI HORTIKULTURA, JAKARTA [Investment for edible fungi culture, to be more profitable, the farmer should cope with the processing technology]. Investasi jamur tiram agar untung, kuasai teknologi pengolahannya/Direktorat Jenderal Bina Produksi Hortikultura, Jakarta (Indonesia). Hortikultura (Indonesia) ISSN 1412-5250 (2003) v. 2(11) p. 46-47 2 ill., 1 table

EDIBLE FUNGI; POSTHARVEST TECHNOLOGY; KEEPING QUALITY; ECONOMIC ANALYSIS.

0505 SETYONO, A. [Grouped harvesting system of rice]. Panen padi sistem

kelompok/Setyono, A. (Balai Penelitian Tanaman Padi, Sukamandi (Indonesia)). Berita Puslitbangtan (Indonesia) ISSN 0852-6230 (2002) (no. 25) p. 6-7 3 tables; 5 ref.

ORYZA SATIVA; HARVESTING; THRESHERS; HARVESTING LOSSES.

0506 SUTJIATI, M. [Development of *Aspergillus* sp. on maize grain at the store house]. Perkembangan jamur *Aspergillus* sp. pada biji jagung di tempat penyimpanan /Sutjiati, M. (Balai Penelitian Tanaman Serealia, Maros (Indonesia)). Berita Puslitbangtan (Indonesia) ISSN 0852-6230 (2002) (no. 25) p. 9-10 1 table; 8 ref.

MAIZE; ASPERGILLUS; MOISTURE CONTENT; FUNGAL CONTAMINATION; INFECTION; STORAGE; DURATION.

J13 HANDLING, TRANSPORT, STORAGE AND PROTECTION OF ANIMAL PRODUCTS / PENANGANAN, TRANSPOR, PENYIMPANAN DAN PERLINDUNGAN HASIL PETERNAKAN

0507 UMIYASIH, U. [Assessment of processing technology of animal products in rural areas]. Pengkajian teknologi pengolahan hasil ternak di pedesaan/Umiyasih, U.; Soemarsono, S.B.; Soehardjo; Rasyid, A. [Proceedings of the Semnar and Expose on Agricultural Technology]. Prosiding Seminar dan Ekspose Teknologi. Pertanian Balai Pengkajian Teknologi Pertanian Jawa Timur/Soetjipto, P.H.; Kartono, G.; Kasijadi, F.; Roesmarkam, S.; Sidik, N.I. (eds.) Bogor (Indonesia): PSE, 2001:: p. 221-233. 12 tables; 11 ref. Summaries (En, In)

LIVESTOCKS; ANIMAL PRODUCTS; EGGS; MILK; MEAT; PROCESSING; QUALITY; PROXIMATE COMPOSITION; ORGANOLEPTIC ANALYSIS; SEX; COST BENEFIT ANALYSIS.

K10 FORESTRY PRODUCTION / PRODUKSI HUTAN

0508 RAHMANTO, R.G.H. [Development of "teras" wood on *Hopea cernua*]. Perkembangan kayu teras pada *Hopea cernua* Rahmanto, R.G.H.; Fauzi, D.I.; Iskandar, A. (Balai Penelitian dan Pengembangan Kehutanan Kalimantan, Samarinda (Indonesia)). Dipterokarpa (Indonesia) ISSN 1410-1033 (2002) v. 6(1) p. 47-56 3 ill., 1 table; 7 ref. Summary (In). Appendix

HOPEA; DIAMETER; QUALITY; COLOUR.

0509 SARI, W. . [Effect of plant number each plot on the carefulness level of *Tectona grandis* stand volume estimation using change plot method in Sumedang, West Java (Indonesia)]. Pengaruh jumlah pohon per petak terhadap tingkat ketelitian dalam pendugaan volume tegakan jati (*Tectona grandis* LF) dengan metode petak berubah di BKPH Ujung Jaya KPH Sumedang Perum Perhutani Unit III Jawa Barat/Sari, W.; Sastramihardja, H.M. Universitas Winaya Mukti, Jatinangor, Sumedang (Indonesia). Fakultas Kehutanan. Jatinangor, Sumedang (Indonesia): UNWIM, 2000: 42 p. 10 tables, 12 ref.

TECTONA GRANDIS; SPACING; FOREST INVENTORIES; SAMPLING; JAVA.

0510 TYRIE, G. Environmental framework a basic for planning sustainable forest management/Tyrie, G.. [Proceedings of the Workshop on Information Technology Supporting Sustainable Forest Management]. Prosiding Lokakarya Teknologi Informasi Mendukung Pengelolaan Hutan Lestari/Departemen Kehutanan dan Perkebunan, Jakarta (Indonesia). Jakarta (Indonesia): BFMP, 2000: p. 19-21 1 ill.

KALIMANTAN; FOREST MANAGEMENT; SUSTAINABILITY; ENVIRONMENT PLANNING.

0511 TYRIE, G. Information technology supporting sustainable forest management/Tyrie, G.. [Proceedings of the Workshop on Information Technology Supporting Sustainable Forest Management]. Prosiding Lokakarya Teknologi Informasi Mendukung Pengelolaan Hutan Lestari/Departemen Kehutanan dan

Perkebunan, Jakarta (Indonesia). Jakarta (Indonesia): BFMP, 2000: p. 13-16

FOREST MANAGEMENT; INFORMATION TECHNOLOGY; SUSTAINABILITY.

0512 TYRIE, G. [Supporting forest management in Kalimantan]. Mendukung pengelolaan hutan di Kalimantan/Tyrie, G.; Natadiwirya, M.. [Proceedings of the Workshop on Information Technology Supporting Sustainable Forest Management]. Prosiding Lokakarya Teknologi Informasi Mendukung Pengelolaan Hutan Lestari/ Departemen Kehutanan dan Perkebunan, Jakarta (Indonesia). Jakarta (Indonesia): BFMP, 2000: p. 25-33 4 ill.

KALIMANTAN; FOREST MANAGEMENT; ENVIRONMENT; PLANNING.

K50 PROCESSING OF FOREST PRODUCTS / PENGOLAHAN HASIL HUTAN

0513 FALAH, S. . [Isolation and identification of bioactive compounds available in *Manilkara kanosiensis* Lam wood to be used as natural wood preservatives]. Isolasi dan identifikasi senyawa bioaktif kayu torem (*Manilkara kanosiensis* Lam) sebagai bahan pengawet alami/Falah, S. Universitas Winaya Mukti, Sumedang (Indonesia). Fakultas Kehutanan. Sumedang (Indonesia): UNWIM, 2001 38 p. 8 ill., 5 tables; 29 ref. Appendices

MANILKARA; CHEMICAL COMPOSITION; ISOLATION; IDENTIFICATION; WOOD; WOOD EXTRACTS; ISOPTERA.

0514 MAHARANI, R. [Particle board characteristic of *Artocarpus elasticus* and *Macaranga gigantea* woods]. Sifat papan partikel dari jenis kayu terap (*Artocarpus elasticus* Reinw.) dan merkubung (*Macaranga gigantea* Muell. Arg)/Maharani, R.; Yusliansyah (Balai Penelitian dan Pengembangan Kehutanan Kalimantan, Samarinda (Indonesia)). Dipterokarpa (Indonesia) ISSN 1410-1033 (2002) v. 6(1) p. 38-46 1 ill., 2 tables; 6 ref. Summary (In)

ARTOCARPUS ELASTICUS; PARTICLE BOARDS; CHEMICOPHYSICAL PROPERTIES; MECHANICAL PROPERTIES.

0515 YUSLIANSYAH. [Physical and mechanical properties of particle board from fired wood]. Sifat fisik dan mekanik papan partikel dari pohon terbakar/Yusliansyah (Balai Penelitian dan Pengembangan Kehutanan Kalimantan (Indonesia)). Dipterokarpa (Indonesia) ISSN 1410-1033 (2002) v. 6(2) p. 38-45 3 tables; 6 ref. Summary (In)

ACACIA MANGIUM; ANTHOCEPHALUS; PARASERIANTHES FALCATA; PARTICLE BOARDS; CHEMICO-PHYSICAL PROPERTIES; MECHANICAL PROPERTIES.

0516 YUSLIANSYAH. [Utilization of *Artocarpus elasticus* wood for industry material]. Penggunaan kayu terap (*Artocarpus elasticus* Reinw.) untuk bahan baku industri/Yusliansyah (Balai Penelitian dan Pengembangan Kehutanan Kalimantan, Samarinda (Indonesia)). Dipterokarpa (Indonesia) ISSN 1410-1033 (2002) v. 6(1) p. 30-37 1 ill., 6 tables; 8 ref. Summary (In)

ARTOCARPUS ELASTICUS; SAWN-WOOD; PULP; PAPER; WOOD INDUSTRY; USES; CHEMICOPHYSICAL PROPERTIES.

L01 ANIMAL HUSBANDRY / PETERNAKAN

0517 ANON. [Review on animal welfare in Indonesia]. Tinjauan kesejahteraan hewan di Indonesia/Anon.. Direktorat Kesehatan Masyarakat Veteriner, Jakarta (Indonesia). Manual Kesmavet (Indonesia) ISSN 0216-4868 (2002) (no. 2) p. 1-3

ANIMAL WELFARE; INDONESIA.

0518 DIREKTORAT BUDIDAYA PETERNAKAN, JAKARTA. [Guidance of permission and registration of livestock business]. Pedoman perizinan dan pendaftaran usaha peternakan/Direktorat Budidaya Peternakan, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Budidaya Peternakan, 2002: 61 p.

LIVESTOCK; ANIMAL HUSBANDRY;
ENTERPRISES; LICENCES; REGU-
LATIONS.

0519 DIREKTORAT BUDIDAYA PE-
TERNAKAN, JAKARTA. . [Technical
guidance of swine farming]. Pedoman teknis
budidaya ternak babi/Direktorat Budidaya
Pernakan, Jakarta (Indonesia). Jakarta
(Indonesia): Direktorat Budidaya Ternakan,
2003: 163 p. 9 ill., 11 tables; 7 ref.

SWINE; BREEDING STOCKS; ANIMAL
HUSBANDRY; ANIMAL BREEDING;
RATIONS; ANIMAL HOUSING; FEEDS;
ANIMAL HEALTH; ARTIFICIAL
INSEMINATION.

0520 DIREKTORAT PENGEMBANGAN
PETERNAKAN, JAKARTA. . [Development
of livestock-based agribusiness]. Pengem-
bangan kawasan agribisnis berbasis
peternakan/Direktorat Pengembangan
Pernakan, Jakarta (Indonesia). Jakarta
(Indonesia): Direktorat Pengembangan
Pernakan, 2003: 102 p. 17 tables; 11 ref.

ANIMAL HUSBANDRY; AGRO-
INDUSTRIAL SECTOR; RURAL
DEVELOPMENT; DEVELOPMENT POLI-
CIES; MONITORING.

0521 DIREKTORAT PENGEMBANGAN
PETERNAKAN, JAKARTA. . [Guidance of
potential analysis of livestock farmers].
Pedoman analisis potensi peternak/Direktorat
Pengembangan Pernakan, Jakarta (Indonesia).
Jakarta (Indonesia): Direktorat Pengembangan
Pernakan, 2003: 59 p. 25 tables. Appendices

ANIMAL HUSBANDRY; FARMERS;
EDUCATION; INDIGENOUS KNOWLEDGE;
LABOUR ALLOCATION.

0522 DIREKTORAT PENGEMBANGAN
PETERNAKAN, JAKARTA. [Integrated
livestock development of goats and cocoa in
South Lampung]. Pengembangan peternakan
terpadu kambing dan coklat di Lampung
Selatan/Direktorat Pengembangan Ternakan,
Jakarta (Indonesia). Pelayanan Informasi
Pengembangan Ternakan (Indonesia) (2003)
(no. 24) p. 1-4

ANIMAL HUSBANDRY; DEVELOPMENT
PROJECTS; THEOBROMA CACAO; GOATS;
COCOA HUSKS; FEEDS; SUMATRA.

0523 RAHARDJO, Y.C. [Double function of
rabbit]. Kelinci, ternak kecil yang berfungsi
ganda/Rahardjo, Y.C. (Balai Penelitian Ternak,
Bogor (Indonesia)). Warta Penelitian dan
Pengembangan Pertanian (Indonesia) ISSN
0216-4427 (2003) v. 25(2) p. 6-8 2 tables

RABBITS; MEAT; USES; CARCASS
COMPOSITION; BYPRODUCTS.

0524 SETIOKO, A.R. [Potential of serati
duck]. Itik serati, ternak kecil potensi
besar/Setioko, A.R. (Balai Penelitian Ternak,
Bogor (Indonesia)). Warta Penelitian dan
Pengembangan Pertanian (Indonesia) ISSN
0216-4427 (2003) v. 25(2) p. 14-15

DUCKS; PRODUCTION POSSIBILITIES;
FARM INCOME.

L02 ANIMAL FEEDING / PAKAN TERNAK

0525 ARMAN, C. Ovarian activity in
brahman-cross heifers after multi-mineral mix
supplementation. Aktivitas ovarium pada sapi-
sapi dara brahman-cross sesudah suplementasi
multi-mineral mix/Arman, C.; Dilaga, S.H.
(Universitas Mataram, (Indonesia). Fakultas
Pernakan). Jurnal Ilmu dan Teknologi
Pernakan (Indonesia) ISSN 1412-6990 (2000)
v. 1(2) p. 53-59 3 tables; 10 ref. Summaries
(En, In)

HEIFERS; CROSSBREDS; SUPPLE-
MENTS; COMPOUND FEEDS; OVARIES;
INFERTILITY.

0526 HARYANTO, B. [Fermented rice straw
as ruminants rations]. Jerami padi fermentasi
sebagai ransum dasar ternak
ruminansia/Haryanto, B. (Balai Penelitian
Ternak, Ciawi, Bogor (Indonesia)). Warta
Penelitian dan Pengembangan Pertanian
(Indonesia) ISSN 0216-4427 (2003) v. 25(3) p.
1-2 1 table

RUMINANTS; RICE STRAW; FERMEN-
TATION; RATIONS; NUTRITIVE VALUE.

0527 HERNAMAN, I. [Utilization of local agricultural products and wastes as complete rations material to increase ruminant productivity in Sukarapih, Sukasari, Sumedang]. Pemanfaatan produk dan limbah pertanian lokal sebagai bahan penyusun ransum komplet untuk memacu produktivitas ternak ruminansia di Desa Sukarapih Kecamatan Sukasari Kabupaten Sumedang /Hernaman, I. Universitas Padjadjaran, Bandung (Indonesia). Lembaga Pengabdian Kepada Masyarakat. Bandung (Indonesia): UNPAD, 2001: 36 p. 4 tables; 7 ref. Appendices

SHEEP; AGRICULTURAL PRODUCTS;
AGRICULTURAL WASTES; COMPLETE
FEEDS; RATIONS; PRODUCTION
INCREASE; PRESERVATION; SILAGE
MAKING; JAVA.

0528 INOUNU, I. [Jute (*Boehmeria nivea*) leaves: alternative feed resources]. Daun rami, sumber pakan alternatif/Inounu, I. (Balai Penelitian Ternak, Ciawi-Bogor (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 24(4) p. 14-16 1 ill.

BOEHMERIA NIVEA; LEAVES; FEEDS.

0529 KOMPIANG, I P. Effect of yeast: *Saccharomyces cerevisiae* and marine yeast as probiotic supplement on performance of poultry. Pengaruh ragi: *Saccharomyces cerevisiae* dan ragi laut sebagai pakan imbuhan probiotik terhadap kinerja unggas/Kompiang, I P. (Balai Penelitian Ternak, Bogor (Indonesia)). Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN. 0853-7380 (2002) v. 7(1) p. 18-21 2 tables; 13 ref. Summaries (En,In)

POULTRY; SUPPLEMENTARY FEEDING;
PROBIOTICS; YEASTS; SACCHAROMYCES
CEREVISIAE; ANIMAL GROWTH
PROMOTERS.

0530 TAMZIL, M.H. Effect of niacine supplementation on egg production and yolk cholesterol level of tegal duck eggs. Pengaruh suplementasi niasin dalam pakan terhadap kinerja produksi telur dan kadar kolesterol

kuning telur itik tegal/Tamzil, M.H. (Universitas Mataram, (Indonesia). Fakultas Peternakan). Jurnal Ilmu dan Teknologi Peternakan (Indonesia) ISSN 1412-6990 (2000) v. 1(2) p. 91-97 3 ill., 1 table; 13 ref. Summaries (En, In)

DUCKS; EGG YOLK; CHOLESTEROL; EGG
PRODUCTION; SUPPLEMENTARY
FEEDING; NICOTINAMIDE; FEED
CONSUMPTION; ALBUMINS.

L10 ANIMAL GENETICS AND BREEDING / GENETIKA DAN PEMULIAAN TERNAK

0531 BIRO BINA PEREKONOMIAN DAERAH PROPINSI DKI, JAKARTA; INSTALASI PENELITIAN DAN PENGKAJIAN TEKNOLOGI PERTANIAN, JAKARTA. [Technological exhibition of DOC native chickens preparing with artificial insemination]. Pelaksanaan gelar teknologi penyediaan anak ayam umur sehari (DOC) bibit ayam buras dengan inseminasi buatan/Biro Bina Perekonomian Daerah Propinsi DKI, Jakarta (Indonesia); Instalasi Penelitian dan Pengkajian Teknologi Pertanian, Jakarta. [Report of Integrated Agricultural Technological Exhibition DKI Jakarta (Indonesia)]. Laporan Gelar Teknologi Pertanian Terpadu di DKI Jakarta/Biro Bina Perekonomian Daerah Propinsi DKI, Jakarta (Indonesia); Instalasi Penelitian dan Pengkajian Teknologi Pertanian, Jakarta. Jakarta (Indonesia): Biro Bina Perekonomian DKI, 2000: (pt. 3) p. 1-17 1 table

CHICKS; BREEDING METHODS;
ARTIFICIAL INSEMINATION; SEMEN
PRESERVATION; HATCHING;
PRODUCTIVITY; FARM INCOME;
TECHNOLOGY TRANSFER.

0532 PERMANA, G.N. [Bottle neck effect: a challenge and constraint on fish farms]. Efek leher botol (bottle neck effect): suatu tantangan dan kendala pada pembenihan ikan/Permana, G.N.; Mahardika, K. (Balai Besar Riset Perikanan Budidaya Laut, Gondol (Indonesia)). Warta Penelitian Perikanan Indonesia (Indonesia) ISSN 0853-894 (2003) v. 9(3) p. 10-13 3 ill., 11 ref.

SALTWATER FISHES; GENETIC RESOURCES; FISH FARMS; SPAWNING; SELECTION; ANIMAL BREEDING.

0533 PRAJOGA, S.B.K. [Socialization of artificial insemination on basic population development of native chickens on selection program in Cijulang Ciamis]. Sosialisasi IB (Inseminasi Buatan) dalam pengembangan ayam buras untuk pembentukan populasi dasar dalam program seleksi di Cijulang, Kabupaten Ciamis, Propinsi Jawa Barat/Prajoga, S.B.K. Universitas Padjadjaran, Bandung (Indonesia). Lembaga Pengabdian Kepada Masyarakat. Bandung (Indonesia): UNPAD, 2002: 21 p. 2 ill., 6 ref. Appendices

CHICKENS; ARTIFICIAL INSEMINATION; SELECTION; POPULATION GENETICS; FARM INCOME; JAVA.

L52 ANIMAL PHYSIOLOGY - GROWTH AND DEVELOPMENT / FISILOGI TERNAK - PERTUMBUHAN DAN PERKEMBANGAN

0534 MAKMUR, S. [Factors affecting the stress of the fish]. Mengapa terjadi keadaan stres pada ikan/Makmur, S. (Balai Riset Perikanan Perairan Umum, Palembang (Indonesia)). Warta Penelitian Perikanan Indonesia (Indonesia) ISSN 0853-894 (2003) v. 9(3) p. 18-20 1 ill., 10 ref.

FRESHWATER FISHES; STRESS; RESISTANCE TO INJURIOUS FACTORS; RADIOIMMUNOASSAY; ANIMAL PHYSIOLOGY.

L53 ANIMAL PHYSIOLOGY - REPRODUCTION / FISILOGI TERNAK - REPRODUKSI

0535 NURDIANI, N. [Role of vitamin C in reproductive performance of *Rattus norvegicus*]. Peranan vitamin C dalam peningkatan tampilan reproduksi pada hewan percobaan tikus putih (*Rattus norvegicus*)/Nurdiani, N.; Effendi, E.M.; Komala, O. (Universitas Pakuan, Bogor (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam); Damarini; Mustikarini, D.. Ekologia

(Indonesia) ISSN 1411-9447 (2001) v. 1(1) p. 14-17 3 tables; 11 ref. Summary (In)

MICE; LABORATORY ANIMALS; ANIMAL PERFORMANCE; ASCORBIC ACID; REPRODUCTION; ANIMAL EMBRYOS; TESTES.

0536 YULIANI, E. Increasing of Y chromosome - bearing spermatozoa ratio of bali cattle. Peningkatan rasio spermatozoa berkromosom Y pada sapi bali/Yuliani, E. (Universitas Mataram, (Indonesia). Fakultas Peternakan). Jurnal Ilmu dan Teknologi Peternakan (Indonesia) ISSN 1412-6990 (2000) v. 1(2) p. 74-83 2 tables; 37 ref. Summaries (En, In)

CATTLE; SPERMATOZOA; CHROMOSOMES; IN VITRO FERTILIZATION; MOVEMENT; METHODS.

L70 VETERINARY SCIENCE AND HYGIENE - GENERAL ASPECTS / ILMU VETERINER DAN KESEHATAN TERNAK - ASPEK UMUM

0537 ANON. [Technical regulations for importing skin/hide raw material to Republic of Indonesia]. Ketentuan teknis pemasukan bahan baku kulit dari luar negeri ke dalam wilayah Republik Indonesia/Anon. /Direktorat Kesehatan Masyarakat Veteriner, Jakarta (Indonesia). Manual Kesmavet (Indonesia) ISSN 0216-4868 (2002) (no. 2) p. 7-8

HIDES AND SKINS; LEATHER; IMPORTS; REGULATIONS.

0538 ANON. [Certification institution of HACCP (Hazard Analysis Critical Control Point) system for livestock products]. Lembaga sertifikasi sistem HACCP produk peternakan/Anon./Direktorat Kesehatan Masyarakat Veteriner, Jakarta (Indonesia). Manual Kesmavet (Indonesia) (2001) p. 4-10

ANIMAL PRODUCTS; HACCP; PUBLIC HEALTH; FOOD SAFETY; QUALITY ASSURANCE.

0539 ANON. [Rejection of livestock meat supported by Arab Saudi Kingdom]. Penolakan daging ternak bantuan kerajaan Arab Saudi/Anon.. Manual Kesmavet (Indo-nesia) ISSN 0216-4868 (2002) (no. 1) p. 5-6

MEAT; FOOD AID; INFECTIOUS DISEASES; MEAT INSPECTION.

0540 ANON. [Role of veterinarians in autonomy and global era]. Menyimak peranan dokter hewan berwenang di era otonomi dan global/Anon./Direktorat Kesehatan Masyarakat Veteriner, Jakarta (Indonesia). Manual Kesmavet (Indonesia) ISSN 0216-4868 (2002) (no. 2) p. 4-6

VETERINARY MEDICINE; VETERINARIANS; ANIMAL HEALTH; FOOD SAFETY.

L73 ANIMAL DISEASES / PENYAKIT TERNAK

0541 ANON. [Mad cow disease or BSE (Bovine Spongiform Encephalopathy)]. Penyakit sapi gila (mad cow disease) atau BSE (Bovine Spongiform Encephalopathy) /Anon./Direktorat Kesehatan Masyarakat Veteriner, Jakarta (Indonesia). Manual Kesmavet (Indonesia) (2001) p. 6-10

COWS; BOVINE SPONGIFORM ENCEPHALOPATHY; SYMPTOMS; DIAGNOSIS; DISEASE TRANSMISSION; DISEASE CONTROL.

0542 ANON. [Potential of meat in transmitting brucellosis disease and toxoplasmosis to human]. Potensi daging hewan dalam menularkan penyakit brucellosis dan toxoplasmosis kepada manusia/Anon.. Manual Kesmavet (Indonesia) ISSN 0216-4868 (2002) (no. 1) p. 28-33

MEAT; BRUCELLOSIS; TOXO-PLASMOSIS; DISEASE TRANSMISSION; FOOD HYGIENE; DISEASE CONTROL.

0543 DIREKTORAT KESEHATAN HEWAN, JAKARTA. [Guidance for exotic disease: Bovine spongiform encephalopathy

(BSE)]. Pedoman penyakit eksotik: seri bovine spongiform encephalopathy (BSE)/ Direktorat Kesehatan Hewan, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Kesehatan Hewan, 2003: 41 p. 5 ill., 3 tables; 32 ref.

CATTLE; SPONGIFORM ENCEPHALOPATHY; ANIMAL DISEASES; BACTERIOSES; SYMPTOMS; DISEASE CONTROL.

0544 DIREKTORAT KESEHATAN HEWAN, JAKARTA. [Indonesian veterinary awareness of rabies]. Kiat vetindo rabies: kesiagaan darurat veteriner Indonesia penyakit rabies/Direktorat Kesehatan Hewan, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Kesehatan Hewan, 2002: 46 p. 12 ref.

RABIES; DISEASE TRANSMISSION; SYMPTOMS; DIAGNOSIS; DISEASE CONTROL; PUBLIC HEALTH; INDONESIA.

0545 DIREKTORAT KESEHATAN HEWAN, JAKARTA. . [Technical guidance of implementation of integrated rabies control and brucellosis control in Indonesia]. Pedoman teknis pelaksanaan pembebasan rabies terpadu di Indonesia dan pedoman teknis pemberantasan dan pengendalian penyakit brucellosis di Indonesia/Direktorat Kesehatan Hewan, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Kesehatan Hewan, 2001: 66 p. 1 ill. Appendices

DOGS; RABIES; BRUCELLOSIS; DISEASE CONTROL; EPIDEMIOLOGY; IMMUNO-DIAGNOSIS; VACCINATION; INDONESIA.

0546 DIREKTORAT KESEHATAN HEWAN, JAKARTA. [Technical guidance of rabies and Brucellosis services]. Pedoman teknis pelayanan jasa rabies dan Brucellosis /Direktorat Kesehatan Hewan, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Kesehatan Hewan, 2002: 36 p.

RABIES; BRUCELLOSIS; VIROSES; ANIMAL HEALTH; HEALTH SERVICES.

0547 KOMALA, O. [Antimicrobial ability of *Curcuma domestica* Val., *Languas galanga* (L) Stunz and *Psidium guajava* L. leaves extracts for *Escherichia coli* (Migula) castellani and

chahners]. Daya antimikroba ekstrak rimpang kunyit (*Curcuma domestica* Val.), rimpang lengkuas (*Languas galanga* (L) Stunz) dan daun jambu biji (*Psidium guajava* L.) terhadap bakteri *Escherichia coli* (migula) castellani dan chahners/Komala, O.; Mulyani, S.D.; Ismanto (Universitas Pakuan, Bogor, (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam). Ekologia (Indonesia) ISSN 1411-9447 (2001) v. 1(2) p. 12-17 5 tables; 9 ref. Summary (En)

CURCUMA LONGA; ALPINIA; PSIDIUM GUAJAVA; ESCHERICHIA COLI; ANTIMICROBIALS; EXTRACTS; TRADITIONAL MEDICINES.

0548 SENDOW, I. Infection of Para-influenza type 3 (PI-3) as one of the causative agent of Pneumonia in sheep and goats. Infeksi virus Parainfluenza tipe 3 pada kasus Pneumonia kambing dan domba/Sendow, I.; Syafriati, T.; Wiedosari, E. (Balai Penelitian Veteriner, Bogor (Indonesia)); Selleck, P. Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN 0853-7380 (2002) v. 7(1) p. 62-68 1 ill., 2 tables; 21 ref. Summaries (En, In)

GOATS; SHEEP; INFECTION; PARAMYXOVIRIDAE; PNEUMONIA.

M12 AQUACULTURE PRODUCTION / PRODUKSI DAN PENGELOLAAN BUDIDAYA PERAIRAN

0549 PANGGABEAN, L.M.G. [Effect of fish culture waste on the growth of *Chlorella* sp.]. Pengaruh limbah budidaya ikan terhadap pertumbuhan *Chlorella* sp./Panggabea, L.M.G.; Sutomo (Pusat Penelitian Oseanografi, Bogor (Indonesia)). [Proceeding of the National Seminar on Limnologi 2002: utilization of waters resources]. Prosiding Seminar Nasional Limnologi 2002: menuju kesinambungan pemanfaatan sumberdaya perairan/Lukman; Chrismadha, T.; Meutia, A.A.; Fakhrudin, M.; Said, D.S.; Yoga, G.P. (eds.) Pusat Penelitian Limnologi, Bogor (Indonesia). Bogor (Indonesia): PUSLIT LIMNOLOGI, 2002: p. 183-188 3 tables; 11 ref. Summaries (En ,In)

CHLORELLA; FISH; ORGANIC WASTES; AQUACULTURE; GROWTH.

0550 SUTARMAT, T. [Effort of groupers culture in floating net cage as an alternative on increasing farm income]. Usaha pendederan benih kerapu bebek di keramba jaring apung sebagai salah satu alternatif peningkatan pendapatan pembudidaya/Sutarmat, T.; Andriyanto, W.; Hanafi, A. (Balai Besar Riset Perikanan Budidaya Laut, Gondol (Indonesia)); Kawahara, S.. Warta Penelitian Perikanan Indonesia (Indonesia) ISSN 0853-894 (2003) v. 9(3) p. 14-18 4 ill., 3 tables; 2 ref.

EPINEPHELUS; FISH CULTURE; FISH CAGES; FISH FARMS; FISH FEEDING; CAGE CULTURE; ECONOMIC ANALYSIS.

M40 AQUATIC ECOLOGY / EKOLOGI PERAIRAN

0551 RAZAK, A. [Physicochemical characteristics of sediment in Bandar Bakali estuary, Padang and its relation to bivalve community structure]. Karakteristik fisika-kimiawi sedimen muara Bandar Bakali Padang dan hubungannya dengan struktur komunitas Bivalvia/Razak, A. (Universitas Negeri Padang (Indonesia)); Sanusi, H.S.; Affandi, R.; Rahardjo, M.F.. [Proceeding of the National Seminar on Limnologi 2002: utilization of waters resources]. Prosiding Seminar Nasional Limnologi 2002: menuju kesinambungan pemanfaatan sumberdaya perairan/Lukman; Chrismadha, T.; Meutia, A.A.; Fakhrudin, M.; Said, D.S.; Yoga, G.P. (eds.) Pusat Penelitian Limnologi, Bogor (Indonesia). Bogor (Indonesia): PUSLIT LIMNOLOGI, 2002: p. 173-181 3 ill., 2 tables; 7 ref. Summaries (En, In)

BIVALVIA; WATERSHEDS; CHEMICO-PHYSICAL PROPERTIES; SEDIMENT; ENVIRONMENT; SUMATRA.

N10 AGRICULTURAL STRUCTURES / BANGUNAN-BANGUNAN PERTANIAN

0552 ANON. Establishing animal slaughter house and meat marketing]. Pembangunan rumah potong hewan dan tataniaga daging/Anon./Direktorat Kesehatan Masyarakat

Veteriner, Jakarta (Indonesia). Manual Kesmavet (Indonesia) (2001) p. 1-3

ABATTOIRS; MEAT; QUALITY; MEAT HYGIENE; MARKETING.

0553 WIDODO, P. [Cashew nut sheller machine design to support rural agroindustry]. Rekayasa mesin pengupas biji jambu mete untuk menunjang agroindustri pedesaan/ Widodo, P.; Hidayat, M.; Gultom, R.J. (Balai Besar Pengembangan Alat dan Mesin Pertanian, Serpong (Indonesia)). [Final year report of financial year 2001: engineering and development participatory project of Indonesian Center for Agricultural Engineering Research and Development, Serpong (Indonesia)]: Book 2, part 2. Laporan akhir tahun bagian proyek perekayasaan dan pengembangan Alsintan Serpong tahun anggaran 2001/Balai Besar Pengembangan Alat dan Mesin Pertanian, Serpong-Tangerang (Indonesia). Serpong-Tangerang (Indonesia): BBP ALSINTAN, 2001: (pt. 10) p. 1-9 28 ill., 7 ref.

CASHEWS; POSTHARVEST EQUIPMENT; SHELLING; DESIGN; AGROINDUSTRIAL SECTOR.

N20 AGRICULTURAL MACHINERY AND EQUIPMENT / MESIN-MESIN DAN PERALATAN PERTANIAN

0554 BIRO BINA PEREKONOMIAN DAERAH PROPINSI DKI, JAKARTA; INSTALASI PENELITIAN DAN PENGKAJIAN TEKNOLOGI PERTANIAN, JAKARTA. [Technological exhibition of insulated palka in Kepulauan Seribu (Indonesia)]. Pelaksanaan gelar teknologi perakitan palka berinsulasi di Kepulauan Seribu/Biro Bina Perekonomian Daerah Propinsi DKI, Jakarta (Indonesia); Instalasi Penelitian dan Pengkajian Teknologi Pertanian, Jakarta. [Report of Integrated Agricultural Technological Exhibition DKI Jakarta (Indonesia)]. Laporan Gelar Teknologi Pertanian Terpadu di DKI Jakarta/Biro Bina Perekonomian Daerah Propinsi DKI, Jakarta (Indonesia); Instalasi Penelitian dan Pengkajian Teknologi Pertanian, Jakarta. Jakarta

(Indonesia): Biro Bina Perekonomian DKI, 2000: (pt. 2) p. 1-15 2 tables; 6 ref. Appendices

JAVA; FISHING METHODS; FISHING VESSELS; STORAGE CONTAINERS; INSULATION; CONSTRUCTION; FIBREBOARDS; COLD STORAGE; FISH; QUALITY; TECHNOLOGY TRANSFER.

0555 DIREKTORAT ALAT DAN MESIN, JAKARTA. [General guidance of beef cattle equipment]. Pedoman umum alat dan mesin sapi potong/Direktorat Alat dan Mesin, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Alat dan Mesin, 2002: 47 p.

BEEF CATTLE; FARM EQUIPMENT; ANIMAL HUSBANDRY; AGRO-INDUSTRIAL SECTOR; INDUSTRIAL DEVELOPMENT.

0556 DIREKTORAT ALAT DAN MESIN, JAKARTA. [General guidance of postharvest equipment of fruits]. Pedoman umum Alsintan pascapanen buah-buahan/Direktorat Alat dan Mesin, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Alat dan Mesin, 2002: 43 p. 6 ill.

FRUITS; FARM EQUIPMENT; POST-HARVEST EQUIPMENT; EQUIPMENT CHARACTERISTICS; COST ANALYSIS.

0557 DIREKTORAT ALAT DAN MESIN, JAKARTA. [Guidance for economic analysis of agricultural equipment]. Pedoman analisa ekonomi alat dan mesin pertanian/Direktorat Alat dan Mesin, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Alat dan Mesin, 2001: 16 p. 1 table

FARM EQUIPMENT; ECONOMIC ANALYSIS; DEVELOPMENT POLICIES; TRACTORS; SIMULATION.

0558 DIREKTORAT ALAT DAN MESIN, JAKARTA. [Guidance of agricultural machinery use team]. Pedoman tim pendayagunaan alsintan/Direktorat Alat dan Mesin, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Alat dan Mesin, 2001: 29 p. 1 ill., 4 ref.

FARM EQUIPMENT; USES; ENTER-PRIZES;
PROFESSIONAL SERVICES;
AGRICULTURAL ECONOMICS; PROFIT;
LABOUR REQUIREMENT; FARM INCOME.

0559 DIREKTORAT ALAT DAN MESIN,
JAKARTA. [Utilization of artificial
insemination equipment]. Pemanfaatan peralatan
Inseminasi Buatan (IB)/Direktorat Alat dan
Mesin, Jakarta (Indonesia). Jakarta (Indonesia):
Direktorat Alat dan Mesin, 2001: 8 p. 1 table
LIVESTOCK; ARTIFICIAL INSEMI-
NATION; EQUIPMENT; PRODUCTION
INCREASE.

0560 HANDAKA. [Change of stationer
rice milling system to circle rice milling system
at East Java]. Pergeseran sistem penggilingan
padi stasioner ke penggilingan padi keliling di
Jawa Timur/Handaka; Harsono; Budiharti, U.;
Sriyanto, C.; Rahmat, R.. [Final year report of
financial year 2001: engineering and
development participatory project of Indonesian
Center for Agricultural Engineering Research
and Development, Serpong (Indonesia)]: Book
1, part 1. Laporan akhir tahun: bagian proyek
perekayasa dan pengembangan Alsintan
Serpong tahun anggaran 2001/Balai Besar
Pengembangan Alat dan Mesin Pertanian,
Serpong-Tangerang
(Indonesia). Serpong-Tangerang (Indonesia):
BBP Alsintan, 2001: (pt. 1) p. 1-14 5 tables; 9
ref.

RICE; FARM EQUIPMENT; INCOME;
MILLING; JAVA.

0561 ISKANDAR, M. [Trap for fruit fly
(*Bactrocera* sp.)]. Perangkap lalat
buah/Iskandar, M. (Balai Penelitian Tanaman
Rempah dan Obat, Bogor (Indonesia)). Warta
Penelitian dan Pengembangan Pertanian
(Indonesia) ISSN 0216-4427 (2003) v. 25(3) p.
6-7 3 ill.

FRUIT CROPS; PEST CONTROL
EQUIPMENT; BACTROCERA; TRAPS.

0562 PRASTOWO, B. [Application of
agricultural equipment for cultivation and
postharvest of maize]. Pemanfaatan alat dan

mesin pertanian untuk budidaya dan pascapanen
jagung/Prastowo, B. (Balai Pengkajian
Teknologi Pertanian, Biromaru (Indonesia));
Sarasutha, I G.P.; Lando, T.M.; Zubachtirodin;
Abidin, B.. [Advanced Milestone of Food Crop
Production Technology: Symposium of the
Fourth Food Crops Research]. Tonggak
Kemajuan Teknologi Produksi Tanaman
Pangan: Simposium Penelitian Tanaman Pangan
ke-4/Sunihardi; Kasim, H.; Adil, W.H.;
Hermanto (eds.) Pusat Penelitian dan
Pengembangan Tanaman Pangan, Bogor
(Indonesia). Bogor (Indonesia): PUSLIT-
BANGTAN, 2002: p. 94-99 16 ref. Summary
(In)

MAIZE; FARMING SYSTEMS; FARM
EQUIPMENT; TILLAGE EQUIPMENT;
PLANTING EQUIPMENT; THRESHERS;
POSTHARVEST EQUIPMENT; USES;
TECHNOLOGY TRANSFER.

0563 SATRIYO, B. [Double function
equipment for pellet processing]. Alsintan pembuat
pelet pakan fungsi ganda/Satriyo, B.;
Nurhasanah, A.; Hidayat, M. (Balai Besar
Pengembangan Mekanisasi Pertanian, Serpong
(Indonesia)). Warta Penelitian dan
Pengembangan Pertanian (Indonesia) ISSN
0216-4427 (2003) v. 25(3) p. 3-4

PELLETS; FEEDS; EQUIPMENT; FEED
PRODUCTION.

P01 NATURE CONSERVATION AND LAND RESOURCES / KONSER- VASI SUMBERDAYA ALAM DAN SUMBERDAYA LAHAN

0564 HARTINI, S. [*Ex-situ* conservation of
Plumbago zeylanica in Bogor Botanical
Garden]. Konservasi *ex-situ* *Plumbago zeylanica*
L. di Kebon Raya Bogor perlu
dilakukan/Hartini, S. (Kebun Raya Bogor-LIPI,
Bogor (Indonesia)). [Proceedings of the
Nineteenth National Seminar on Indonesian
Medicinal Plants]. Prosiding Seminar Nasional
ke-19 Tumbuhan Obat Indonesia/Pusat
Penelitian dan Pengembangan Perkebunan,
Bogor (Indonesia). Bogor (Indonesia):
PUSLITBANGBUN, 2002: p. 139-146 10 ref.
Summary (In)

PLUMBAGINACEAE; DRUG PLANTS;
TRADITIONAL MEDICINES; USES;

COLLECTIONS; GENETIC RESOURCES;
RESOURCE CONSERVATION; BOTANICAL
GARDENS; JAVA.

0565 SARGO, S. [Soil resource manage-ment reformation in Indonesia]. Reformasi pengelolaan sumberdaya tanah di Indonesia/ Sargo, S. [National Seminar on Small Agricultural Enterprise Development Towards Agricultural Industrialization and Global Market]. [Kumpulan makalah] Seminar Nasional Membangun Pertanian Kerakyatan Menuju Industrialisasi dan Pasar Global/ Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian. Keluarga Alumni. Yogyakarta (Indonesia): 2002: (pt. 3) 7 tables

LAND RESOURCES; TECHNOLOGY; LAND
MANAGEMENT; LAND USE.

P10 WATER RESOURCES AND MANAGEMENT / SUMBER DAYA AIR DAN PENGELOLAANNYA

0566 WAHYUNTO. [Estimation method for extremelly drought of irrigated land]. Cara menduga wilayah sawah rawan kekeringan/ Wahyunto; Hikmatullah (Pusat Penelitian dan Pengembangan Tanah dan Agroklimat, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(3) p. 8-9 1 ill., 2 tables

JAVA; IRRIGATED LAND; DROUGHT;
FLOODING; IMAGERY; SATELLITES.

P33 SOIL CHEMISTRY AND PHYSICS / KIMIA DAN FISIKA TANAH

0567 RAHMIANNA, A.A. [Role of soil physical properties on food crops (palawija) growth development]. Pengembangan tumbuh mapan tanaman palawija dengan komponen fisik tanah sebagai parameter utama/ Rahmianna, A.A. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). [Advanced Milestone of Food Crop Production Technology: Symposium of the Fourth Food Crops Research]. Tonggak Kemajuan Teknologi Produksi Tanaman Pangan: Simposium Penelitian Tanaman Pangan ke-4/Sunihardi; Kasim, H.; Adil, W.H.; Hermanto (eds.) Pusat Penelitian dan

Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGTAN, 2002: p. 349-357 33 ref. Summary (In)

FOOD CROPS; PLANT ESTABLISHMENT;
SOIL TEMPERATURE; SOIL WATER
POTENTIAL; SOIL STRENGTH; SOIL
WATER CONTENT; SEEDS;
GERMINATION; MODELS.

P34 SOIL BIOLOGY / BIOLOGI TANAH

0568 TRISILAWATI, O. [Effect of mycorrhizae and phosphate fertilizer on the growth and phosphatase enzyme activity of cashew seed roots]. Pengaruh mikoriza dan pupuk P terhadap pertumbuhan dan aktivitas enzim fosfatase akar bibit jambu mente/ Trisilawati, O.; Maslahah, N.; Gusmaini (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). [Proceedings of the Ninetenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGBUN, 2002: p. 235-238 2 tables; 8 ref. Summary (In)

ANACARDIUM OCCIDENTALE;
VESICULAR ARBUSCULAR MYCOR-
RHIZAE; PHOSPHATE FERTILIZERS;
GROWTH; ENZYME ACTIVITY; PLANT
RESPONSE; FERTILIZER APPLICATION;
APPLICATION RATES.

P40 METEOROLOGY AND CLIMA- TOLOGY / CUACA DAN IKLIM

0569 IRIANTO, G. . [Floods and drought: its cause, anticipation, and solution]. Kumpulan pemikiran banjir dan kekeringan : penyebab,antisipasi dan solusinya/Irianto, G. Bogor (Indonesia): Universal Pustaka Media, 2003: 135 p. 24 ill., 8 tables

FLOODING; DROUGHT; CLIMATOLOGY;
TECHNOLOGY.

0570 SUTARDI. [Food crops zonation based on Gunung Kidul, Yogyakarta agroecosystem zone]. Pewilayahan komoditas pangan berdasarkan zona agroekosistem di Gunungkidul, Yogyakarta/Sutardi; Aliudin; Sudiharjo, A.M.; Budiono (Instalasi Penelitian dan Pengkajian Tanaman Pangan, Yogyakarta (Indonesia)). [Advanced Milestone of Food Crop Production Technology: Symposium of the Fourth Food Crops Research]. Tonggak Kemajuan Teknologi Produksi Tanaman Pangan: Simposium Penelitian Tanaman Pangan ke-4/Sunihardi; Kasim, H.; Adil, W.H.; Hermanto (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGTAN, 2002: p. 358-368 1 table: 13 ref. Summary (In)

FOOD CROPS; AGROECOSYSTEMS; ENVIRONMENT; LAND SUITABILITY; SOCIOECONOMIC ENVIRONMENT; RESOURCE MANAGEMENT; JAVA.

0571 THOMAS. [SOI (Southern Oscillation Index) used for long dry season anticipation]. SOI untuk mengantisipasi kemarau panjang/ Thomas (Balai Penelitian Sembawa, Palembang (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(3) p. 12-13 1 ill., 1 table

INDONESIA; DRY SEASON; CLIMATE.

0572 WINARNO, I G.B. [Importance of weather climate information services]. Pentingnya pelayanan jasa informasi cuaca/iklim/Winarno, I G.B.; Hariyono (Stasiun Klimatologi Karangploso, Malang (Indonesia)); Zainal, A.; Utomo, P.. [Proceeding of the Workshop on Tobacco Agribusiness]. Prosiding Lokakarya Agribisnis Tembakau/Suwarso; Tirtosastro, S.; Murdiyati, A.S.; Dalmadiyo, G.; Mastur; Mukani (eds.) Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLIT-BANGBUN, 2003: p. 41-45 1 table

CROPS; CLIMATIC FACTORS; WEATHER DATA; SEASONS; CROP MANAGEMENT; RAIN; INFORMATION SERVICES.

Q02 FOOD PROCESSING AND PRESERVATION / PENGOLAHAN

DAN PENGAWETAN MAKANAN

0573 DAMAT. [Study on processing of low lipid peanut]. Studi pembuatan kacang tanah rendah minyak/Damat (Universitas Muhammadiyah, Malang (Indonesia). Fakultas Pertanian). Tropika (Indonesia) ISSN 0854-6533 (2002) v. 10(1) p. 11-17 1 ill., 2 tables; 8 ref. Summary (En)

GROUNDNUTS; VARIETIES; PROCESSING; NUTRITIVE VALUE; ORGANOLEPTIC ANALYSIS; LIPIDS.

0574 DIREKTORAT PENGOLAHAN DAN PEMASARAN HASIL PETERNAK-AN, JAKARTA. [Technical guidance for animal products processing]. Petunjuk teknis pengolahan hasil pertanian (peternakan)/Direktorat Pengolahan dan Pemasaran Hasil Peternakan, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Pengolahan dan Pemasaran Hasil Peternakan, 2001: 82 p. 9 ill., 6 tables

ANIMAL PRODUCTS; PROCESSING; AGROINDUSTRIAL SECTOR; PROCESSED ANIMAL PRODUCTS; MEAT CUTS; SAUSAGES; PASTEURIZED MILK; YOGHURT.

0575 DIREKTORAT PENGOLAHAN DAN PEMASARAN HASIL PETERNAK-AN, JAKARTA. [Technical guidance for industrial crops processing]. Petunjuk teknis pengolahan hasil pertanian (perkebunan)/Direktorat Pengolahan dan Pemasaran Hasil Peternakan, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Pengolahan dan Pemasaran Hasil Peternakan, 2001: 90 p. 15 ill., 7 tables; 13 ref.

COCONUTS; COPRA; COCONUT OIL; SUCROSE; GINGER; ESSENTIAL OILS; COCOA BEANS; COFFEE; PROCESSING.

0576 DIREKTORAT PENGOLAHAN DAN PEMASARAN HASIL PETERNAK-AN, JAKARTA. Technical guidance of agri-cultural product processing (horticulture)]. Petunjuk teknis pengolahan hasil pertanian (hortikultura)/Direktorat Pengolahan dan Pemasaran Hasil Peternakan, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Pengolahan dan Pemasaran Hasil Peternakan, 2001: 86 p. 13 ill.

HORTICULTURE; PROCESSING; AGRO-INDUSTRIAL SECTOR; FRUIT SYRUPS; SAUCES; FOOD TECHNOLOGY.

0577 HANDAKA. [Centralisation of small-holder cacao processing: strategy on increasing competitiveness with smallholder agribusiness approach]. Sentralisasi pengolahan kakao rakyat: strategi meningkatkan daya saing dengan pendekatan agribisnis yang berkerakyatan/Handaka; Budiharti, U.; Harsono; Srimulato. [Final year report of financial year 2001: engineering and development participatory project of Indonesian Center for Agricultural Engineering Research and Development, Serpong (Indonesia)]: Book 1, part 1. Laporan akhir tahun: bagian proyek perekayasaan dan pengembangan Alsintan Serpong tahun anggaran 2001/Balai Besar Pengembangan Alat dan Mesin Pertanian, Serpong-Tangerang (Indonesia). Serpong-Tangerang (Indonesia): BBP ALSINTAN, 2001: (pt. 2) p. 16-36 3 ill., 2 tables; 5 ref.

COCOA BEANS; PROCESSING; COCOA POWDER; PROCESSED PLANT PRODUCTS; AGROINDUSTRIAL SECTOR.

0578 MUHAMMAD, Z. Efforts on the development of buffaloes potentially producing dadih, a milk product to improve farmer income in West Sumatra. Gagasan pengembangan potensi ternak kerbau melalui pembuatan dadih sebagai upaya peningkatan pendapatan masyarakat peternak di Sumatera Barat/Muhammad, Z. (Balai Penelitian Ternak, Ciawi-Bogor (Indonesia)). Animal Production (Indonesia) ISSN 1411-2027 (2003) v. 5(2) p. 93-98 1 table; 3 ref

WATER BUFFALOES; BUFFALO MILK; MILK PRODUCTS; PROCESSING; FARM INCOME; SUMATRA.

0579 SETIASIH, I.S. . [Socialization of cookies processing made from *Canna edulis* flour in Indramayu Regency]. Memasyarakatkan pembuatan cookies berkalsium dalam rangka penganekaragaman hasil olahan tepung ganyong di Kabupaten Indramayu/Setiasih, I.S. Universitas Padjadjaran, Bandung (Indonesia). Lembaga Pengabdian Kepada Masyarakat.

Bandung (Indonesia): UNPAD, 2002: 38 p. 7 ill., 1 table; 12 ref.

CANNA EDULIS; FLOURS; COOKIES; CALCIUM; FOOD TECHNOLOGY; JAVA.

0580 SUNARLIM, R. [Milk and meat processing technology development to support animal produce agroindustry]. Pengembangan teknologi pengolahan susu dan daging untuk mendukung agroindustri hasil ternak/ Sunarlim, R.; Rahardjo, Y.C.; Triyantini; Setiyanto, H.; Poeloengan, M.; Sugiarto; Kusningsih; Sadiman, E.; Wahyudi, M.; Sartono; Yudi. [Final year report of financial year 2001: engineering and development participatory project of Indonesian Center for Agricultural Engineering Research and Development, Serpong (Indonesia)]: Book 2, part 1. Laporan akhir tahun bagian proyek perekayasaan dan pengembangan Alsintan Serpong tahun anggaran 2001/Balai Besar Pengembangan Alat dan Mesin Pertanian, Serpong-Tangerang (Indonesia). Serpong-Tangerang (Indonesia): BBP ALSINTAN, 2001: (pt. 4) p. 1-41 34 tables; 3 ref.

MILK; MEAT; FOOD TECHNOLOGY; AGROINDUSTRIAL SECTOR; PROCESSING; ANIMAL PRODUCTS.

0581 SUYANTI. [Technology of bread fruit flour processing and its utilization for processed food products]. Teknologi pengolahan tepung sukun dan pemanfaatannya untuk berbagai produk makanan olahan/ Suyanti; Widowati, S.; Suismono (Balai Penelitian Pasca Panen Pertanian, Jakarta (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2003) v. 25(2) p. 12-13

ARTOCARPUS ALTILIS; FLOURS; USES; PROCESSED FOODS; PROCESSING; TECHNOLOGY; DIVERSIFICATION.

0582 TRISNAWATI, W. Processing technology of bali salacca fruit cracker using vacuum frying. Teknologi pengolahan kripik buah salak bali dengan penggorengan secara vakum/Trisnawati, W.; Rubiyo (Balai Pengkajian Teknologi Pertanian Bali, Denpasar (Indonesia)). Jurnal Stigma (Indonesia) ISSN 0853-3776 (2002) v. 10(4) p. 360-363 2 tables; 6 ref. Summary (En)

SALACCA; PROCESSING; FRYING;
PROCESSED PLANT PRODUCTS;
ECONOMIC ANALYSIS.

0583 WINARYO. [Principle of processing and using other materials on organic products]. Prinsip pengolahan dan persyaratan pemakaian bahan lain pada produk organik/Winaryo (Pusat Penelitian Kopi dan Kakao, Jember (Indonesia)). Warta Pusat Penelitian Kopi dan Kakao Indonesia (Indonesia) ISSN 0215-1308 (2002) v. 18(2) p. 42-47 5 tables; 4 ref.

ORGANIC FOODS; FOOD TECHNOLOGY;
FOOD ADDITIVES; FLAVOURING;
MICROORGANISMS; MINERALS;
VITAMINS.

0584 YUNIANITA. [Deuterium isotope transfer from alpha-Dd-glucose-1-d1 at ethanol fermentation process]. Transfer isotop deuterium dari alpha-Dd-glukosa-1-d1 pada proses fermentasi ethanol/Yunianta (Universitas Brawijaya Malang (Indonesia). Fakultas Teknologi Pertanian). Tropika (Indonesia) ISSN 0854-6533 (2002) v. 10(2) p. 196-200 2 tables; 6 ref. Summary (En)

ISOTOPES; DEUTERIUM; FERMENTATION;
ETHANOL; GLUCOSE.

0585 YUSIANTO. [Study of charcoal processing from some shade wood types of coffea and cacao]. Kajian pembuangan arang dari beberapa jenis kayu tanaman penayang kopi dan kakao/Yusianto; Sri-Mulato; Widyotomo, S.. Warta Pusat Penelitian Kopi dan Kakao Indonesia (Indonesia) ISSN 0215-1308 (2002) v. 18(2) p. 71-82 3 tables; 26 ref.

SHADE PLANTS; GLIRICIDIA; LEUCAENA;
HEVEA BRASILIENSIS;
PARASERIANTHES FALCATARIA;
CHARCOAL; DESTRUCTIVE DISTILLATION OF WOOD; FUEL WOOD.

Q04 FOOD COMPOSITION / KOMPOSISI MAKANAN

0586 BADAN BIMAS KETAHANAN PANGAN, JAKARTA. . [Guidance for food

consumption development]. Pedoman umum pengembangan konsumsi pangan/Badan Bimas Ketahanan Pangan, Jakarta (Indonesia). Jakarta (Indonesia): Badan Bimas Ketahanan Pangan, 2002: 10 p. 4 tables

FOOD CONSUMPTION; FOOD SECURITY;
NUTRITIONAL STATUS.

0587 JARIYAH. [Effect of substrate concentration and pH on carbohydrate composition of syrup maltose from arrowroot starch produced by enzymatic hydrolysis]. Pengaruh konsentrasi substrat dan pH terhadap komposisi karbohidrat sirup maltosa dari pati garut secara hidrolisa enzimatis /Jariyah (Universitas Pembangunan Nasional "Veteran", Surabaya (Indonesia). Fakultas Teknologi Industri); Susanto, T.; Yunianta. Tropika (Indonesia) ISSN 0854-6533 (2002) v. 10(1) p. 29-36 7 ill., 1 table; 11 ref. Summary (En)

ARROWROOT; STARCH; CARBOHYDRATES;
PH; MALTOS; ENZYMATIC HYDROLYSIS.

0588 TRIASTIANINGRUM. [Effect of amonium sulphate concentration on nata de-pina qualities]. Pengaruh konsentrasi amonium sulfat terhadap kualitas nata de-pina/Triastianingrum; Sumardi, O.; Retnowati, S.K.R.; Suhardi, E. (Universitas Pakuan, Bogor (Indonesia). Fakultas Keguruan dan Ilmu Pendidikan). Ekologia (Indonesia) ISSN 1411-9447 (2001) v. 1(1) p. 18-21 4 tables; 13 ref. Summary (In)

PINEAPPLES; PROCESSED PLANT PRODUCTS;
AGRICULTURAL WASTES; PROTEIN CONTENT;
AMMONIUM SULPHATE; ACETOBACTER.

Q05 FOOD ADDITIVES / ZAT TAMBAHAN PADA PANGAN

0589 SAATI, E.A. [Potential of flower of busy lizzie (*Impatiens balsamina* L.) as natural colorant for beverage products]. Potensi bunga pacar air (*Impatiens balsamina* L.) sebagai bahan pewarna alami pada produk minuman/ Saati, E.A. (Universitas Muhammadiyah Malang (Indonesia). Fakultas Pertanian). Tropika

(Indonesia) ISSN 0854-6533 (2002) v. 10(2) p. 138-145 1 ill., 4 tables; 11 ref. Summary (En)

IMPATIENS; ANTHOCYANINS;
PIGMENTS; FOOD COLOURANTS;
BEVERAGES; ANTHOCYANIDINS.

Q70 PROCESSING OF AGRICULTURAL WASTES / PENGOLAHAN LIMBAH PERTANIAN

0590 BIRO BINA PEREKONOMIAN DAERAH PROPINSI DKI, JAKARTA. [Technological exhibition of bokashi fertilizer processing]. Gelar teknologi pembuatan pupuk bokashi/Biro Bina Perekonomian Daerah Propinsi DKI, Jakarta (Indonesia); Instalasi Penelitian dan Pengkajian Teknologi Pertanian, Jakarta. [Report of Integrated Agricultural Technological Exhibition DKI Jakarta (Indonesia)]. Laporan Gelar Teknologi Pertanian Terpadu di DKI Jakarta/Biro Bina Perekonomian Daerah Propinsi DKI, Jakarta (Indonesia); Instalasi Penelitian dan Pengkajian Teknologi Pertanian, Jakarta. Jakarta (Indonesia): Biro Bina Perekonomian DKI, 2000: (pt. 1) p. 1-22 1 table; 7 ref.

AGRICULTURAL WASTES; WASTE MANAGEMENT; ORGANIC FERTILIZERS; COMPOSTING; BIODEGRADATION; MICROORGANISMS; FARM-YARD MANURE; TECHNOLOGY TRANSFER.

0591 MAHARANI, R. [Utilization of compost made from biomass wastes]. Pemanfaatan kompos dari limbah biomassa menjadi produk daur ulang serbaguna/ Maharani, R. (Balai Penelitian dan Pengembangan Kehutanan Kalimantan (Indonesia)). Dipterokarpa (Indonesia) ISSN 1410-1033 (2002) v. 6(2) p. 30-37 1 ill., 10 ref. Summary (In)

COMPOSTS; AGRICULTURAL WASTES; BIOMASS; INDUSTRIAL WASTES; SOIL FERTILITY; GROWING MEDIA; EDIBLE FUNGI; CONTAINER PLANTING.

S01 HUMAN NUTRITION - GENERAL ASPECTS / ILMU GIZI - ASPEK UMUM

0592 SUGENG. [Aromatherapy, using ginger and other aromatic]. Aromaterapi

wewangian penyejuk jiwa/Sugeng. Direktorat Jenderal Bina Produksi Hortikultura, Jakarta (Indonesia). Hortikultura (Indonesia) ISSN 1412-5250 (2003) v. 2(11) p. 26-27

DRUG PLANTS; GINGER; ESSENTIAL OIL CROPS; ESSENTIAL OILS; THERAPY.

S20 PHYSIOLOGY OF HUMAN NUTRITION / FISILOGI GIZI

0593 HAMZAH, B. [Biosorption of chrome using *Aspergillus niger* biomass]. Penyerapan krom menggunakan *Aspergillus niger*/ Hamzah, B. (Universitas Tadulako, Palu (Indonesia). Fakultas Keguruan dan Ilmu Pendidikan). Biosfera (Indonesia) ISSN 0853-1625 (2003) v. 20(1) p. 19-23 3 ill., 12 ref. Summary (En)

ASPERGILLUS NIGER; FUNGI; CHROMIUM; ABSORPTION; PH.

T01 POLLUTION / POLUSI

0594 KESUMA, D. [Inspection of Ca and Pb content on *Tamarindus indica* taken from three regions using inductively coupled plasma spectrometer method]. Pemeriksaan kadar logam kalsium (Ca) dan logam Timbal (Pb) dalam daun asam (*Tamarindus indica* L.) dari tiga daerah dengan metode Inductively coupled Plasma Spectrometer/Kesuma, D.; Soejani, S. (Universitas Surabaya (Indonesia). Fakultas Farmasi). [Proceedings of the Nineteenth National Seminar on Indonesian Medicinal Plants]. Prosiding Seminar Nasional ke-19 Tumbuhan Obat Indonesia/ Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGBUN, 2002: p. 125-132 2 ill., 6 tables; 8 ref. Summary (In)

TAMARINDUS INDICA; LEAVES; CALCIUM; LEAD; POLLUTION; SPECTROMETRY; JAVA.

0595 KOMALA, O. [Characteristic of melanoidin degradation that waste water by microbial in aerobic condition]. Karakteristik degradasi melanoidin yang terkandung di dalam limbah cair oleh mikroba pada kondisi aerobik/Komala, O. (Universitas Pakuan, Bogor (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam); Hastuty, A.; Suidiana, I M..

Ekologia (Indonesia) ISSN 1411-9447 (2002) v. 2(1) p. 1-9 7 tables; 10 ref. Summary (En)

WASTEWATER; MICROORGANISMS; AEROBIOSIS; MELANOIDINS; DEGRADATION; WATER POLLUTION.

0596 MARINO. [Pollution monitoring: farmer research on pendowo fertilizer application]. Monitoring pencemaran oleh masyarakat: kasus penelitian petani terhadap penggunaan pupuk pendowo/Marino; Mulyati. Ekologi (Indonesia) (2002) v. 6 p. 20-21

FERTILIZER APPLICATION; RESEARCH; FARMERS; MONITORING; SOIL POLLUTION.

0597 SUTANTO. [Profile of acid rain at Citeureup-Cibinong, Bogor]. Profil hujan asam di wilayah industri Citeureup-Cibinong, Bogor/Sutanto; Iryani, A.; Yusnira (Universitas Pakuan, Bogor (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam). Ekologia (Indonesia) ISSN 1411-9447 (2002) v. 2(2) p. 1-6 5 ill., 8 ref. Summary (In) JAVA; RAIN; ACIDS; INDUSTRIAL POLLUTANTS; PH.

0598 WIDIANARKO, B. [Biomonitoring technique for agricultural and industrial pollution]. Teknik pemantauan hayati (bio-monitoring) untuk pencemaran pertanian dan industri/Widianarko, B. (Universitas Katolik Soegijapranata, Semarang (Indonesia)). Ekologi (Indonesia) (2002) v. 6 p. 3-10

AGRICULTURAL WASTES; INDUSTRIAL WASTES; POLLUTION; BIOASSAYS; MONITORING; TECHNOLOGY.

U40 SURVEYING METHODS / METODA SURVEI

0599 RAHMAD. [Monitoring on usage change of technically irrigated paddy field using remote sensing technique]. Pemantauan perubahan lahan sawah pengairan teknis menggunakan data citra inderaja: studi kasus sawah irigasi teknis Malang, Jawa Timur/ Rahmad (Universitas Riau (Indonesia). Fakultas Teknik); Wahono. Tropika

(Indonesia) ISSN 0854-6533 (2002) v. 10(2) p. 186-195 5 ill., 12 ref. Summary (En)

PADDY SOIL; IRRIGATION; GEOGRAPHICAL INFORMATION SYSTEMS; SATELLITES; IMAGERY; REMOTE SENSING; JAVA.

0600 WOUTHUYZEN, S. [Monitoring, evaluation and mangrove resources management in Kotania Bay and Kayeli Bay, Central Maluku (Indonesia) using Multi-temporal landsat satellites images]. Pemantauan, evaluasi dan pengelolaan sumberdaya mangrove di wilayah pesisir Teluk Kotania dan Teluk Kayeli, Maluku Tengah menggunakan multi-temporal data citra satelit landsat/Wouthuyzen, S.; Supriadi, H.I.; Pulumahuny, F.S. (Pusat Penelitian Oseanologi, Jakarta (Indonesia)). [Proceeding of the National Seminar on Limnologi 2002: utilization of waters resources]. Prosiding Seminar Nasional Limnologi 2002: menuju kesinambungan pemanfaatan sumberdaya perairan/Lukman; Chrismadha, T.; Meutia, A.A.; Fakhruddin, M.; Said, D.S.; Yoga, G.P. (eds.) Pusat Penelitian Limnologi, Bogor (Indonesia). Bogor (Indonesia): PUSLIT LIMNOLOGI, 2002: p. 211-224 4 ill., 5 tables; 16 ref. Summaries (En,In)

MANGROVES; FOREST MANAGEMENT; COASTAL SOILS; SATELLITES; MALUKU.

INDEKS PENGARANG / AUTHOR INDEX

A

Abdullah, B. 0435, 0436
 Abdurachman, E. (ed.)
 0302, 0303, 0307, 0308,
 0309, 0310, 0311, 0312,
 0313, 0315, 0316, 0330,
 0335, 0339, 0343
 Abidin, B. 0562
 Abidin, Z. 0355
 Abubakar F.L. (ed.)
 0302, 0303, 0307, 0308,
 0309, 0310, 0311, 0312,
 0313, 0315, 0316, 0330,
 0335, 0339, 0343
 Acoba, E.P. 0330
 Adie, M.M. (ed.) 0321
 Adil, W.H. (ed.)
 0369, 0400, 0420, 0431,
 0437, 0440, 0443, 0487,
 0489, 0562, 0567, 0570
 Adisarwanto, T. 0390
 Adjirni 0451
 Affandi, R. 0551
 Agung, I D.G. 0405
 Al-Jabri, M. 0416, 0417
 Aliudin 0433, 0570
 Amirullah 0339
 Andriyanto, W. 0550
 Angelia, I. 0471
 Anggraeni 0474
 Anon. 0317, 0346, 0353,
 0377, 0383, 0384, 0385,
 0386, 0517, 0537, 0538,
 0539, 0540, 0541, 0542,
 0552
 Antarlina, S.S. 0369,
 0400
 Arief, T. 0324
 Ariningrum, R. 0461
 Arman, C. 0525
 Armansah 0494
 Arsyad, D.M. (ed.) 0321
 Ashari 0320, 0365
 Ashari, B.J. 0452
 Asman, A. 0479
 Astuti, I.P. 0457
 Azrai, M. 0440

B

Baco, D. 0489
 Bahagiarti, S. (ed.)
 0323, 0341, 0345
 Bambang 0483
 Bamualim, A. 0324
 Baroh, I. 0354

Basir, M. 0437
 Basuki, H. 0342
 Batubara, I. 0453
 Bermawie, N. 0470
 Boerhendhy, I. 0367
 Budihardjo, K. 0392, 0476
 Budiharti, U. 0560, 0577
 Budiono 0570

C

Chalimie, N. 0433
 Chrismadha, T. (ed.)
 0549, 0551, 0600

D

Dahlan, M. 0437
 Dahya 0355
 Dalmadiyo, G. (ed.)
 0332, 0333, 0342, 0359,
 0362, 0397, 0449, 0572
 Damarini 0535
 Damat 0573
 Daniel, M. (ed.) 0395
 Daradjat, A.A. 0435
 Darliah 0491
 Darmowijono, S. 0331
 Darusman, L.K. 0453
 Darwati, I. 0413, 0418,
 0426, 0427
 Daryanto 0480
 Daslin, A. 0438
 Desmawati 0480, 0481
 Dewi N.L., P. 0454
 Dewi, K. 0446
 Dilaga, S.H. 0525
 Djunaedi, E. 0448
 Dwiwana, E. 0395

E

Early, A. (ed.) 0302,
 0303, 0307, 0308, 0309,
 0310, 0311, 0312, 0313,
 0315, 0316, 0330, 0335,
 0339, 0343
 Effendi, E.M. 0535
 Ekawati, F. (ed.) 0452
 Elmiati, R. 0442
 Elvinardewi, E. 0480
 Erythrina 0420

F

Fakhrudin, M. (ed.)
 0549, 0551, 0600
 Falah, S. 0513
 Fauzi, D.I. 0508

G

Gandanegara, S. 0394
 Ginting, N. (ed.) 0395
 Gultom, R.J. 0553
 Gunawan, A. 0367
 Gurning, T.M. (ed.)
 0395
 Gusmaini 0568
 Guswara, A. 0435, 0500

H

Hadi, P.U. 0387
 Hakimi, R. 0363
 Hamzah, B. 0593
 Hanafi, A. 0550
 Handaka 0560, 0577
 Handayanto, E. 0421
 Hapsari (ed.) 0302,
 0303, 0307, 0308, 0309,
 0310, 0311, 0312, 0313,
 0315, 0316, 0330, 0335,
 0339, 0343
 Harahap, Y.E. (ed.)
 0302, 0303, 0307, 0308,
 0309, 0310, 0311, 0312,
 0313, 0315, 0316, 0330,
 0335, 0339, 0343
 Hariyono 0572
 Hariyono, M.B. 0357
 Harpini, B. (ed.) 0302,
 0303, 0307, 0308, 0309,
 0310, 0311, 0312, 0313,
 0315, 0316, 0330, 0335,
 0339, 0343
 Harsono 0560, 0577
 Harti, S. 0455
 Hartini, S. 0564
 Hartono, S. 0358
 Harun, R. 0307
 Haryani, T.S. 0477
 Haryanto, B. 0526
 Haryono (ed.) 0344,
 0349, 0351, 0373
 Hasanah, M. 0381
 Hasanuddin, S. 0321
 Hasbi, M. 0472
 Hastuty, A. 0595
 Helmy, Z. 0358
 Hendarsih S. 0488
 Hendriana, N. (ed.)
 0302, 0303, 0307, 0308,
 0309, 0310, 0311, 0312,
 0313, 0315, 0316, 0330,
 0335, 0339, 0343
 Heriyanto (ed.) 0321,
 Heriyanto 0369, 0400

Hermanto (ed.) 0321,
0369, 0395, 0400, 0420,
0431, 0437, 0440, 0443,
0487, 0489, 0562, 0567,
0570

Hermawan, A. 0395

Hernaman, I. 0527

Hernani 0456, 0470

Hidayat 0439

Hidayat, J.R. 0321

Hidayat, M. 0553, 0563

Hidayat, R.S. 0457, 0478

Hidayat, U. 0432

Hikmatullah 0566

Hubeis, A.V.S. 0308

Husen, S. 0406

Hutapea, J.R. 0461

I

Ibrahim, T. (ed.) 0395

Idawati 0394

Ilman 0396

Indrawanto, C. 0322

Indriani, S. 0492

Inounu, I. 0528

Irianto, G. 0334, 0569

Iryani, A. 0597

Iskandar, A. 0508

Iskandar, M. 0561

Ismanto 0464, 0547

Issusilaningtyas, U.H.
0480

J

Jaenudin, D. 0485

Jariyah 0587

Jatnika, A. 0309

Jen Pin Chen 0335

Jin Gon Ahn 0310

Jusuf, M. (ed.) 0321

Jusuf, M. 0369

K

Kamandalu, A.A.N.B.
0431

Kardono, L.B.S. 0454

Kartasasmita, U.G. 0350

Kartono, G. 0355, 0507

Kartono, L.B.S. 0458

Kasijadi, F. 0507

Kasim, F. 0437, 0440

Kasim, H. (ed.) 0369,

0400, 0420, 0431, 0437,

0440, 0443, 0487, 0489,

0562, 0567, 0570

Kasim, M. 0442

Kawahara, S. 0550

Kesuma, D. 0466, 0594

Khoiriyah A., N. 0365

Komala, O. 0535, 0547,
0595

Kompiang, I P. 0529

Kurniyawan H.A. 0409

Kusningsih 0580

Kuswanto, S. 0359

L

Lando, T.M. 0562

Larsito, S. 0342

Lasminingsih, M. 0438

Lendri, S. 0448

Lindiawati, D. 0421

Listyoningrum, N.I. 0360

Logawa, B. 0456

Lotulung, P.D.N. 0458

Lukman (ed.) 0549,
0551, 0600

M

Maarif, M.S. 0336

Maharani, R. 0514, 0591

Mahardika, K. 0532

Mahdi 0363

Makmur, S. 0534

Mappe, A. 0437

Marino 0596

Martadinata 0376

Marwoto (ed.) 0321

Maryam-ABN 0482

Maslahah, N. 0422, 0429,
0568

Masrizal 0446

Mastur (ed.) 0332,
0333, 0342, 0359, 0362,
0397, 0572

Maulana, M. (ed.) 0302,
0303, 0307, 0308, 0309,
0310, 0311, 0312, 0313,
0315, 0316, 0330, 0335,
0339, 0343

Mawardi, S. 0337, 0441

Meiyanto, E. 0459

Meutia, A.A. (ed.) 0549,
0551, 0600

Minarti 0458

Moelyono M.W. 0460

Moerfiah 0464

Mubyarto 0301

Muhadjir 0324

Muhammad, Z. 0578

Muhsanati 0442

Muhtadi, A. 0460

Mukani (ed.) 0332,
0333, 0342, 0359, 0362,

0397, 0572

Mukani, A. 0347

Mulyadi 0351, 0433

Mulyana, T. 0482

Mulyani, A. 0334

Mulyani, S.D. 0547

Mulyati 0596

Munaf, E. 0490

Murdiyati, A.S. (ed.)

0332, 0333, 0342, 0359,
0362, 0397, 0572

Murdiyati, A.S. 0347

Murni, A. 0453

Mustika, I. 0493

Mustikarini, D. 0535

N

Nafrialdi 0462

Nainggolan, P. (ed.) 0395

Nancy, C. 0367

Natadiwirya, M. 0512

Nazir, D. (ed.) 0395

Ngatiman 0483, 0494

Nikkuni, S. (ed.) 0390

Ningsih, G.M. 0370

Nonci, N. 0423

Nugraha, S. 0371

Nugraheni, W.P. 0461

Nugroho, P. (ed.) 0344,
0349, 0351, 0373

Nugroho, Y.A. 0462

Nurcholis, M. (ed.)

0323, 0341, 0345

Nurdiani, N. 0535

Nurhamidah 0490

Nurhasanah, A. 0563

Nurhayati, H. 0398

Nurtirtayani 0443

Nuryani, W. 0502

O

Oikawa, A. 0311

P

Palupi, S. 0450, 0463

Panggabean, L.M.G. 0549

Partohardjono, S. 0321

Parwanto, A. (ed.)

0314, 0344, 0349, 0351,
0373

Permana, G.N. 0532

Pirngadi, K. 0424

Poeloengan, M. 0580

Prabawati, S. 0372

Prajoga, S.B.K. 0533

Pramono, J. 0414

Prasetyorini 0464

Prastistho, B. (ed.) 0323,
0341, 0345
Prastowo, B. 0562
Priastini S., R. 0465
Pribadi, E.R. 0398
Prihatini, T. 0425
Prihono 0312
Primawati, N. (ed.) 0395
Priyadi, R. 0399
Pujianti, A. 0485
Pujo 0361
Pulumahuny, F.S. 0600
Purbiati, T. 0444
Purnomo, B. 0323
Purnomowati, E. 0374
Purwandari, I. 0389

R

Rachmat, E. 0448
Rahardjo, B. 0349
Rahardjo, I.B. 0495, 0496
Rahardjo, M. 0336, 0412,
0413, 0418, 0426, 0427
Rahardjo, M.F. 0551
Rahardjo, Y.C. 0523,
0580
Rahayuningsih, S.A. 0400
Rahmad 0599
Rahmanto, R.G.H. 0508
Rahmat, R. 0560
Rahmianna, A.A. (ed.)
0390
Rahmianna, A.A. 0321,
0567
Raihan, S. 0443
Ras, Y. 0497
Rasyid, A. 0507
Razak, A. 0551
Retnowati, S.K.R. 0588
Riz 0434
Rochman 0484
Rochman, F. 0449
Roesmarkam, S. 0507
Rojudin, E. 0401
Rosita, S.M.D. 0413
0418, 0426, 0427
Rosmeilisa, P. 0322
Rostikawati, T. 0485
Rubiyono 0355, 0582
Rusastra, I W. (ed.) 0395
Rusimah, S.Y. 0360
Rusli, I. 0486
Rusmin, D. 0381
Rustiati, T. 0424

S

Sa'roni 0451

Saati, E.A. 0589
Sadiman, E. 0580
Saenong, M.S. 0487
Saenong, S. 0339
Saepullah, A. 0502
Sahminuddin 0362
Said, D.S. (ed.) 0549,
0551, 0600
Saifullah, A. 0340
Sailah, I. 0308
Saleh, N. 0498
Salleh, D.S.M. 0313
Santoso, M. (ed.) 0452
Santoso, U. 0406
Sanusi, H.S. 0551
Saptana 0325, 0382
Saptoningsih 0309
Sarasutha, I G.P. 0562
Sardjono (ed.) 0314,
0344, 0349, 0351, 0373
Sargo, S. 0565
Sari, W. 0509
Sarifudin, M.H. (ed.)
0302, 0303, 0307, 0308,
0309, 0310, 0311, 0312,
0313, 0315, 0316, 0330,
0335, 0339, 0343
Sariman 0395
Sarjana 0395, 0414
Sarjiman (ed.) 0433
Saroso, B. 0402
Sartono 0580
Sastramihardja, H.M.
0509
Sastroprawiro, S. (ed.)
0323, 0341, 0345
Satriyo, B. 0563
Selleck, P. 0548
Sendow, I. 0548
Setiasih, I.S. 0579
Setiawati, J. 0371
Setioko, A.R. 0524
Setiyanto, H. 0580
Setyono, A. 0505
Sidik, N.I. 0507
Sinaga, M. 0431
Sinuraya, Y.F. 0365
Slamet, A.H. 0401
Slamet, S. 0394
Soehardjo 0507
Soejani, S. 0466, 0594
Soejitno, J. (ed.) 0321
Soemarsono, S.R. 0507
Soemartojo, J. 0455
Soesanto, L. 0499
Soetarno, S. 0467
Soetjipto P.H. 0507

Sofyan, R. 0373
Sri-Mulato 0585
Srimulato 0577
Srinarni, R. 0433
Sriyanto, C. 0560
Suardi, D. 0428
Subiyanto, I. 0341
Sudarso 0468
Sudarto, B. 0459
Sudaryono (ed.) 0321
Sudiana, I M. 0595
Sudiarto 0398, 0412,
0422, 0429
Sudiharjo, A.M. 0570
Sudir 0500
Sudiyono, A. 0374
Suganda, A.G. 0467
Sugeng 0375, 0396,
0403, 0415, 0592
Sugiarto 0580
Sugihartina, G. 0467
Sugiharto, B. (ed.)
0302, 0303, 0307, 0308,
0309, 0310, 0311, 0312,
0313, 0315, 0316, 0330,
0335, 0339, 0343
Sugiyanto 0459
Suhardi, E. 0588
Suhartatik, E. 0428
Suherman, O. 0487
Suismono 0581
Sukamto, S. 0480
Sukarman 0381
Sukarsa 0408
Sukmajaya, D. 0429
Sukrasno 0467
Sulaeman 0355
Sumanggono, A.M.R.
0446
Sumardi, O. 0588
Sumarmadji 0501
Sumarno 0350
Sumastuti, R. 0469
Sunarlim, R. 0580
Sunihardi (ed.) 0369,
0400, 0420, 0431, 0437,
0440, 0443, 0487, 0489,
0562, 0567, 0570
Sunyoto 0483
Suparyono 0351
Suprpto 0431
Supriadi 0470, 0471
Supriadi, H.I. 0600
Supriatna, Y. 0325
Suprihanto 0500
Suprihatini, R. 0352
Supriyanto 0342

- Supriyati 0325
 Supriyono 0449
 Suryani, S. (ed.) 0395
 Suryatmana, P. 0430
 Suryawan 0431
 Susanawati 0360
 Susanto, T. 0587
 Susilowati 0473
 Sutanto 0597
 Sutardi 0433, 0570
 Sutarmat, T. 0550
 Sutjiati, M. 0506
 Sutomo 0343, 0549
 Sutrisna, N. 0447
 Sutrisno 0400
 Suwalan, S. 0447
 Suwarso (ed.) 0332,
 0333, 0342, 0359, 0362,
 0397, 0572
 Suyani, H. 0490
 Suyanti 0372, 0581
 Syafriati, T. 0548
 Syah, M.J.A. 0410
 Syahni, R. 0363
 Syukur, C. 0448
- T**
 Taebe, B. 0472
 Tamzil, M.H. 0530
 Tanjung, F. 0363
 Taryono 0448
 Tastra, I K. (ed.) 0321
 Tayeb, R. 0472
 Tejasarwana, R. 0404
 Tenaya, I M.N. 0405
 Termorshuizen, A.J. 0499
 Thamrin, M. 0315
 Thohari, E.S. 0344
 Thomas 0571
 Tirtosastro, S. (ed.) 0332,
 0333, 0342, 0347, 0359,
 0362, 0397, 0572
 Tjitropranoto, P. 0302
 Tjokrowidjojo, S. 0435
 Tobo, F. 0472
 Toha, H.M. 0424, 0500
 Triastianingrum 0588
 Triastinurmiatiningsih
 0477
 Trijaya, N.O. 0364
 Trisilawati, O. 0568
 Trisnawati, W. 0582
 Tritianingsih 0474, 0475
 Triwahyudi, S. (ed.)
 0344, 0349, 0351, 0373
- Triyantini 0580
 Tyrie, G. 0510, 0511,
 0512
- U**
 Udin, L.Z. 0454
 Udjianto, D.W. (ed.)
 0323, 0341, 0345
 Umiyasih, U. 0507
 Unadi, A. 0372
 Utami, S. (ed.) 0344,
 0349, 0351, 0373
 Utomo, P. 0572
 Utomo, W. 0345
- W**
 Wahjoedi, B. 0451
 Wahono 0599
 Wahyudi, M. 0580
 Wahyudi, T. 0406
 Wahyudin, D. 0464
 Wahyuni, S. 0407
 Wahyunto 0566
 Wargiono 0321
 Watson, D.W.H. 0388
 Wibawa, A. 0326
 Widianarko, B. 0598
 Widiarta, I N. 0488
 Widodo, P. 0408, 0553
 Widowati, S. 0581
 Widyotomo, S. 0585
 Wiedosari, E. 0548
 Winarno, I G.B. 0572
 Winarsih, E. 0316
 Winarti, C. 0470
 Winaryo 0319, 0583
 Winata, S.D. 0465
- Windono, T. 0473
 Wiratmadja, R. 0303
 Wirdahayati, R.B. 0324
 Wonohadi, E. 0450
 Wouthuyzen, S. 0600
 Wuryani, S. (ed.) 0323,
 0341, 0345
- Y**
 Yahmadi, M. 0304
 Yasin H.G., M. 0440,
 0489
 Yoga, G.P. (ed.) 0549,
 0551, 0600
 Yosaphat, P. 0314
 Yudi 0580
 Yulaikah, S. 0449
 Yuliani, E. 0536
 Yuliani, S. 0471, 0474,
 0475
 Yuni H. 0365
 Yunianta 0584, 0587
 Yusianto 0585
 Yusliansyah 0514, 0515,
 0516
 Yusmartiana 0456
 Yusmini 0363
 Yusnira 0597
 Yusuf, E.S. 0502
- Z**
 Zaenudin 0376
 Zainal, A. 0572
 Zaini, Z. (ed.) 0395
 Zein, R. 0490
 Zetra, Y. (ed.) 0452
 Zubachtirodin 0562

INDEKS SUBYEK / SUBJECT INDEX

A		
ABATTOIRS	0369, 0370, 0371, 0373, 0374, 0375, 0376, 0397, 0503, 0520, 0553, 0555, 0574, 0576, 0577, 0580	ANIMAL PRODUCTS 0507, 0538, 0574, 0580
0552		ANIMAL WELFARE 0517
ABSORPTION		ANNONA SQUAMOSA 0482
0593		ANTHOCEPHALUS 0515
ACACIA MANGIUM	AGRONOMIC CHARACTERS 0414, 0429, 0444, 0448	ANTHOCYANIDINS 0589
0515		ANTHOCYANINS 0589
ACANTHACEAE	AIR POLLUTION 0464	ANTIGENS 0453
0454, 0462		ANTI-HISTAMINICS 0469
ACETOBACTER	ALBUMINS 0530	ANTIMICROBIAL PROPERTIES 0454, 0458, 0470, 0471
0588	ALKALOIDS 0456	ANTIMICROBIALS 0547
ACID SOILS	ALLIUM ASCALONICUM 0411, 0433	ANTIOXIDANTS 0454, 0458, 0460
0394		APPLICATION DATE 0416
ACIDS	ALLIUM SATIVUM 0405	APPLICATION METHODS 0416, 0480
0467, 0597	ALOE BARBADENSIS 0327	APPLICATION RATES 0399, 0416, 0422, 0423, 0424, 0428, 0429, 0430, 0480, 0568
ACUTE TOXICITY	ALPINIA 0547	APPROPRIATE TECHNOLOGY 0332, 0351, 0362
0468	ALPINIA GALANGA 0413, 0452	AQUACULTURE 0549
ADAPTATION	ALTERNANTHERA 0408	ARABICA COFFEE 0304, 0326, 0388
0442, 0443, 0444	AMMONIUM SULPHATE 0588	ARABIDOPSIS THALIANA 0499
ADVISORY OFFICERS	ANACARDIUM OCCIDENTALE 0471, 0568	ARACEAE 0404
0330	ANALGESICS 0472	ARACHIS HYPOGAEA 0414, 0420, 0498
AEROBIOSIS	ANIMAL BREEDING 0519, 0532	ARECA CATECHU 0485
0595	ANIMAL DISEASES 0543	AROMATIC COMPOUNDS 0475
AGRICULTURAL	ANIMAL EMBRYOS 0535	ARROWROOT 0587
DEVELOPMENT	ANIMAL GROWTH PROMOTERS 0529	ARTEMIA SALINA 0454, 0458, 0459
0302, 0305, 0307, 0315, 0316, 0321, 0326, 0330, 0331, 0334, 0337, 0339, 0343, 0344, 0356, 0358, 0373, 0376, 0417	ANIMAL HEALTH 0519, 0540, 0546	ARTERIOSCLEROSIS
AGRICULTURAL	ANIMAL HOUSING 0519	
ECONOMICS	ANIMAL HUSBANDRY 0357, 0368, 0518, 0519, 0520, 0521, 0522, 0555	
0323, 0369, 0558	ANIMAL PERFORMANCE 0535	
AGRICULTURAL	ANIMAL PHYSIOLOGY 0534	
PRODUCTS	ANIMAL PRODUCTION 0353	
0340, 0349, 0351, 0364, 0369, 0381, 0527		
AGRICULTURAL		
SECTOR		
0309, 0312, 0334		
AGRICULTURAL		
STRUCTURE		
0340		
AGRICULTURAL		
WASTES		
0371, 0527, 0588, 0590, 0591, 0598		
AGRICULTURE		
0301, 0306, 0364		
AGROECOSYSTEMS		
0324, 0570		
AGROINDUSTRIAL		
SECTOR		
0306, 0329, 0331, 0336, 0340, 0344, 0351, 0355, 0356, 0358, 0366, 0368,		

0462	0448, 0477	0550
ARTIFICIAL	BIOFERTILIZERS	CALCIUM
INSEMINATION	0420, 0425	0463, 0579, 0594
0519, 0531, 0533, 0559	BIOLOGICAL CONTROL	CALCIUM FERTILIZERS
ARTOCARPUS ALTILIS	AGENTS	0402
0581	0489, 0493	CANDIDA ALBICANS
ARTOCARPUS	BIOLOGICAL	0452
ELASTICUS	PROPERTIES	CANNA EDULIS
0514, 0516	0468, 0489	0579
ASCORBIC ACID	BIOMASS	CAPITAL
0535	0421, 0591	0332, 0344, 0359, 0362
ASPERGILLUS	BIOPESTICIDES	CAPSICUM ANNUUM
0506	0432	0430, 0433
ASPERGILLUS NIGER	BIOPOLYMERS	CARBOHYDRATES
0593	0455	0587
ASTERACEAE	BIVALVIA	CARCASS
0450, 0451, 0459, 0467,	0551	COMPOSITION
0468, 0473, 0478	BLOOD LIPIDS	0523
AVERRHOA	0462	CASHEWS
0454	BOEHMERIA NIVEA	0553
AZADIRACHTA INDICA	0528	CASSAVA
0482	BONE MEAL	0355
AZOSPIRILLUM	0383	CATHARANTHUS
0394	BOTANICAL GARDENS	ROSEUS
AZOTOBACTER	0564	0495
0420	BOTANICAL	CATTLE
B	INSECTICIDES	0536, 0543
BACILLUS CEREUS	0482	CERTIFICATION
0470, 0471	BOTANICAL	0319
BACTERIA	PESTICIDES	CHARCOAL
0493	0479	0371, 0585
BACTERICIDES	BOTRYODIPLODIA	CHEMICAL
0452	0501	COMPOSITION
BACTERIOSES	BOVINE SPONGIFORM	0456, 0466, 0513
0543	ENCEPHALOPATHY	CHEMICOPHYSICAL
BACTROCERA	0383, 0541	PROPERTIES
0561	BRASSICA	0514, 0515, 0516, 0551
BALI	0486	CHICKENS
0431, 0457	BREEDING METHODS	0385, 0533
BANANAS	0440, 0531	CHICKS
0379, 0380	BREEDING STOCKS	0531
BANKING	0519	CHILLIES
0328, 0344	BRONCHITIS	0380, 0415, 0490
BARKING	0492	CHINA
0501	BRUCELLOSIS	0337
BEEF	0542, 0545, 0546	CHLORELLA
0348	BUFFALO MILK	0549
BEEF CATTLE	0578	CHLOROFORM
0357, 0555	BYPRODUCTS	0466
BEVERAGES	0366, 0371, 0523	CHOLESTEROL
0589	C	0462, 0530
BIOASSAYS	CABBAGES	CHROMATOGRAPHY
0499, 0598	0379, 0380	0459, 0467
BIODEGRADATION	CADMIUM	CHROMIUM
0590	0426	0593
BIODIVERSITY	CAGE CULTURE	CHROMOSOMES
		0536

CINNAMIC ACIDS 0475	CONSUMER PROTECTION 0318	0393, 0481 CUCUMIS SATIVUS 0399
CINNAMOMUM BURMANNI 0322	CONSUMPTION 0388	CULTIVATION 0364, 0393, 0397, 0398, 0403, 0404, 0411, 0447, 0476
CITRUS 0379, 0380, 0410, 0476	CONTAINER PLANTING 0591	CULTURE MEDIA 0497
CLIMATE 0571	CONTROL METHODS 0390, 0483	CURCUMA 0418, 0426, 0427
CLIMATIC FACTORS 0572	COOKIES 0579	CURCUMA LONGA 0547
CLIMATOLOGY 0569	COOPERATION 0328	CUT FLOWERS 0404, 0444, 0491
CLONES 0400, 0438, 0443, 0471	COOPERATIVE ACTIVITIES 0356	D
CLOVES 0479	COPPER 0463	DATABASES 0419
COASTAL SOILS 0600	COPRA 0575	DECENTRALIZATION 0345
COCOA BEANS 0575, 0577	COSMOS 0458	DEGRADATION 0595
COCOA HUSKS 0522	COST ANALYSIS 0350, 0357, 0556	DELTAMETHRIN 0490
COCOA POWDER 0577	COST BENEFIT ANALYSIS 0507	DEMAND 0322, 0347, 0367
COCONUT OIL 0575	COTTAGE INDUSTRY 0389	DENDRANTHEMA 0496
COCONUTS 0575	COWS 0541	DESIGN 0553
COCOS NUCIFERA 0401	CREDIT 0327, 0328, 0329, 0344	DESTRUCTIVE DISTILLATION OF WOOD 0585
COFFEA 0376	CROP LOSSES 0423	DEUTERIUM 0584
COFFEA ARABICA 0441	CROP MANAGEMENT 0353, 0395, 0414, 0433, 0434, 0572	DEVELOPMENT AGENCIES 0332, 0333
COFFEE 0575	CROP PERFORMANCE 0438	DEVELOPMENT PLANS 0305
COLD STORAGE 0554	CROP YIELDS 0395	DEVELOPMENT POLICIES 0306, 0321, 0333, 0342, 0346, 0373, 0376, 0397, 0520, 0557
COLLECTIONS 0564	CROPPING SYSTEMS 0390	DEVELOPMENT PROJECTS 0522
COLOUR 0508	CROPS 0334, 0409, 0425, 0488, 0572	DIAGNOSIS 0541, 0544
COMMODITY MARKETS 0382	CROSSBREDS 0525	DIAMETER 0508
COMPLETE FEEDS 0527	CROSSBREEDING 0491	DISEASE CONTROL 0411, 0451, 0493, 0495, 0498, 0501, 0541, 0542, 0543, 0544, 0545
COMPOSTING 0418, 0590	CRUDE FIBRE 0400	
COMPOSTS 0591	CUCUMBER MOSAIC CUCUMOVIRUS 0495, 0496	
COMPOUND FEEDS 0525	CUCUMIS MELO 0380	

DISEASE RESISTANCE 0436, 0449	EDIBLE FUNGI 0406, 0504, 0591	EXPLANTS 0409
DISEASE TRANS- MISSION 0383, 0541, 0542, 0544	EDUCATION 0521	EXPORTS 0304, 0322, 0378, 0388
DISTILLING 0452	EFFICIENCY 0425, 0431	EXTENSION ACTIVITIES 0302, 0303, 0305, 0306, 0307, 0308, 0309, 0310, 0311, 0313, 0314, 0315, 0316, 0335, 0343
DIVERSIFICATION 0581	EGG PRODUCTION 0530	EXTRACTION 0372, 0459, 0473
DOGS 0545	EGG YOLK 0530	EXTRACTS 0485, 0547
DOMESTIC CONSUMPTION 0322	EGGS 0507	F
DROUGHT 0566, 0569	ELAEIS GUINEENSIS 0353	FAECES 0418
DRUG PLANTS 0427, 0448, 0450, 0451, 0454, 0456, 0457, 0459, 0460, 0461, 0462, 0467, 0468, 0473, 0474, 0478, 0485, 0564, 0592	EMPLOYMENT 0359	FARM EQUIPMENT 0555, 0556, 0557, 0558, 0560, 0562
DRUGS 0457	ENTERPRISES 0518, 0558	FARM INCOME 0325, 0328, 0331, 0360, 0365, 0488, 0524, 0531, 0533, 0558, 0578
DRY FARMING 0381, 0414	ENVIRONMENT 0432, 0439, 0512, 0551, 0570	FARM INPUTS 0332, 0362, 0382
DRY SEASON 0571	ENVIRONMENT PLANNING 0510	FARM MANAGEMENT 0360
DRYING 0402	ENVIRONMENTAL FACTORS 0304, 0488	FARMERS 0302, 0303, 0308, 0309, 0313, 0316, 0330, 0333, 0335, 0339, 0343, 0344, 0354, 0362, 0368, 0486, 0521, 0596
DUCKS 0524, 0530	ENZYMATIC HYDROLYSIS 0587	FARMERS ASSOCIATIONS 0307, 0328, 0332, 0356, 0503
DURATION 0506	ENZYME ACTIVITY 0568	FARMING SYSTEMS 0327, 0350, 0354, 0360, 0369, 0397, 0398, 0431, 0562
E	EPIDEMIOLOGY 0545	FARMLAND 0310
ECOLOGY 0361	EPINEPHELUS 0550	FARMS 0358
ECONOMIC ANALYSIS 0360, 0504, 0550, 0557, 0582	EQUIPMENT 0314, 0559, 0563	FARMYARD MANURE 0399, 0418, 0421, 0422, 0427, 0429, 0590
ECONOMIC COMPETITION 0349, 0350, 0355	EQUIPMENT CHARACTERISTICS 0556	FATTY ALCOHOLS 0352
ECONOMIC DEVELOPMENT 0310, 0323, 0335	ESCHERICHIA COLI 0452, 0547	FEED CONSUMPTION 0530
ECONOMIC POLICIES 0363	ESSENTIAL OIL CROPS 0592	FEED PRODUCTION 0563
ECONOMIC SOCIOLOGY 0354	ESSENTIAL OILS 0452, 0463, 0470, 0474, 0479, 0575, 0592	FEEDS
ECONOMIC VALUE 0322, 0476	ETHANOL 0453, 0459, 0463, 0467, 0468, 0584	
ECONOMICS 0301	ETHYLENE 0391	
	EUROPE 0337	
	EVALUATION 0305	

0519, 0522, 0528, 0563	FOOD HYGIENE	0449, 0532, 0564
FERMENTATION	0542	GENETIC STABILITY
0399, 0526, 0584	FOOD SAFETY	0437
FERMENTED FOODS	0538, 0540	GENOTYPE
0370	FOOD SECURITY	ENVIRONMENT
FERTILIZER	0321, 0328, 0414, 0586	INTERACTION
APPLICATION	FOOD SUPPLY	0437, 0443
0390, 0398, 0411, 0416,	0340	GENOTYPES
0422, 0424, 0427, 0429,	FOOD TECHNOLOGY	0439, 0500
0568, 0596	0348, 0576, 0579, 0580,	GEOGRAPHICAL
FERTILIZERS	0583	DISTRIBUTION
0318, 0382, 0419	FOODS	0304, 0441
FIBREBOARDS	0377	GEOGRAPHICAL
0554	FOREST INVENTORIES	INFORMATION
FINANCIAL	0509	SYSTEMS
INSTITUTIONS	FOREST MANAGEMENT	0599
0344	0510, 0511, 0512, 0600	GERMINABILITY
FISH	FOREST TREES	0412
0549, 0554	0483	GERMINATION
FISH CAGES	FORESTRY	0567
0550	0361	GERMPLASM
FISH CULTURE	FRACTIONATION	0400, 0449
0550	0473	GERMPLASM
FISH FARMS	FRESHWATER FISHES	CONSERVATION
0532, 0550	0534	0448
FISH FEEDING	FRUIT CROPS	GINGER
0550	0391, 0561	0575, 0592
FISH LARVAE	FRUIT SYRUPS	GLIOCLADIUM
0454, 0458	0576	0502
FISHERMEN	FRUITING	GLIRICIDIA
0315	0392	0585
FISHING METHODS	FRUITS	GLUCOSE
0554	0469, 0556	0584
FISHING VESSELS	FRYING	GLYCINE MAX
0554	0582	0390
FLAVONOIDS	FUEL WOOD	GOATS
0467, 0471, 0473	0585	0522, 0548
FLAVOURING	FUNGAL	GOVERNMENT
0583	CONTAMINATION	0333
FLOODING	0506	GROUNDNUTS
0566, 0569	FUNGI	0355, 0573
FLOURS	0593	GROWING MEDIA
0579, 0581	FUNGICIDES	0403, 0406, 0591
FLOWERING	0452, 0486, 0500, 0502	GROWTH
0392, 0476	FUSARIUM	0391, 0394, 0399, 0401,
FOLIAR APPLICATION	0502	0405, 0413, 0428, 0442,
0398	FUSARIUM SOLANI	0494, 0497, 0549, 0568
FOOD ADDITIVES	0501	GROWTH RATE
0583		0422
FOOD AID	G	
0539	GELATIN	H
FOOD COLOURANTS	0377	HABITATS
0589	GENETIC INHERITANCE	0478
FOOD CONSUMPTION	0487	HACCP
0586	GENETIC RESISTANCE	0538
FOOD CROPS	0440, 0487	HARVESTING
0324, 0338, 0567, 0570	GENETIC RESOURCES	0404, 0411, 0505

HARVESTING DATE 0400, 0402	0386	0486
HARVESTING FREQUENCY 0487	IMPORTS 0317, 0377, 0378, 0383, 0384, 0385, 0386, 0537	INSULATION 0554
HARVESTING LOSSES 0487, 0505	IN VITRO 0460	INTEGRATED CONTROL 0432, 0481
HATCHING 0531	IN VITRO CULTURE 0409, 0497	INTEGRATED PEST MANAGEMENT 0488
HEALTH SERVICES 0546	IN VITRO FERTILIZATION 0536	INTEGRATED RURAL DEVELOPMENT 0341
HEIFERS 0525	INCOME 0389, 0438, 0560	INTEGRATION 0353
HELICOVERPA ARMIGERA 0489	INDIA 0337	INTENSIFICATION 0342, 0359
HEVEA BRASILIENSIS 0438, 0501, 0585	INDIGENOUS KNOWLEDGE 0336, 0434, 0521	INTENSIVE FARMING 0358, 0407
HIBISCUS CANNABINUS 0402	INDONESIA 0304, 0307, 0308, 0311, 0337, 0352, 0367, 0390, 0417, 0435, 0441, 0446, 0517, 0544, 0545, 0571	INTERCROPPING 0401, 0433
HIDES AND SKINS 0384, 0537	INDUSTRIAL DEVELOPMENT 0372, 0555	INTERNATIONAL TRADE 0322
HIGH YIELDING VARIETIES 0435, 0436, 0437, 0438, 0443, 0444, 0445, 0447, 0491	INDUSTRIAL POLLUTANTS 0597	INTERTIDAL ENVIRONMENT 0443, 0447
HISTORY 0304	INDUSTRIAL USES 0322, 0381	INTESTINES 0469
HOPEA 0508	INDUSTRIAL WASTES 0591, 0598	INTRODUCED VARIETIES 0354
HORTICULTURE 0324, 0378, 0480, 0576	INDUSTRIALIZATION 0301, 0360	INVESTMENT 0333
HOUSEHOLDS 0389	INDUSTRY 0331, 0349	IPOMOEA BATATAS 0400
HPLC 0456, 0490	INFECTIOUS DISEASES 0539	IRON 0463
HYBRIDIZATION 0436	INFERTILITY 0525	IRRIGATED LAND 0320, 0433, 0566
HYBRIDS 0428, 0440	INFORMATION SERVICES 0572	IRRIGATED RICE 0350
HYPERTENSION 0454	INFORMATION TECHNOLOGY 0511	IRRIGATION 0599
I	INFRASTRUCTURE 0336	IRRIGATION SYSTEMS 0431
IDENTIFICATION 0473, 0513	INNOVATION 0314, 0336, 0338, 0349	ISOLATION 0473, 0475, 0497, 0513
IMAGERY 0566, 0599	INOCULATION 0394, 0499	ISOPTERA 0513
IMIDACLOPRID 0490	INSECTICIDES	ISOTOPES 0584
IMMUNODIAGNOSIS 0545		J
IMPATIENS 0589		JAPAN 0311
IMPORT CONTROLS		JASMINE OIL 0372
		JAVA

0301, 0309, 0316, 0320, 0325, 0332, 0341, 0342, 0351, 0365, 0373, 0379, 0395, 0421, 0433, 0457, 0464, 0474, 0477, 0509, 0527, 0533, 0554, 0560, 0564, 0566, 0570, 0579, 0594, 0597, 0599	0469, 0471, 0472, 0528, 0594 LEGUMES 0321 LEGUMINOSAE 0446 LEUCAENA 0585 LEUKAEMIA 0453 LICENCES 0518 LIGHT REQUIREMENTS 0401 LIGHTING 0408 LIGNINS 0455 LIPIDS 0573 LIRIOMYZA 0415 LISTS 0419 LIVER 0465 LIVESTOCK 0507, 0518, 0559 LIVESTOCK MANAGEMENT 0353 LOCAL GOVERNMENT 0373 LOWLAND 0411, 0417, 0433 LUMBRICIDAE 0418 LYCOPERSICON ESCULENTUM 0439	MALUKU 0600 MANGANESE 0463 MANGIFERA INDICA 0375, 0392 MANGOES 0379, 0503 MANGROVES 0600 MANILKARA 0513 MARKET ECONOMICS 0323, 0340 MARKETING 0342, 0352, 0362, 0365, 0371, 0380, 0552 MARKETING CHANNELS 0318 MARKETS 0337, 0379, 0388 MEASUREMENT 0497 MEAT 0317, 0348, 0377, 0383, 0385, 0507, 0523, 0539, 0542, 0552, 0580 MEAT CUTS 0574 MEAT HYGIENE 0552 MEAT INSPECTION 0539 MEAT PRODUCTS 0348 MECHANICAL METHODS 0501 MECHANICAL PROPERTIES 0514, 0515 MEDICINAL PROPERTIES 0461, 0466 MELANOIDINS 0595 MELOIDOGYNE 0449 MELOIDOGYNE INCOGNITA 0493 METHANOL 0458, 0472 METHODS 0536 MICE
K KAEMPFERIA 0414, 0470, 0475 KALIMANTAN 0325, 0447, 0510, 0512 KEEPING QUALITY 0504 KIDNEYS 0465 KOREA REPUBLIC 0310		
L LABORATORY ANIMALS 0451, 0468, 0472, 0535 LABOUR 0310, 0370, 0382 LABOUR ALLOCATION 0521 LABOUR PRODUCTIVITY 0360 LABOUR REQUIREMENT 0389, 0558 LAND MANAGEMENT 0341, 0565 LAND PRODUCTIVITY 0437 LAND RESOURCES 0376, 0565 LAND SUITABILITY 0324, 0326, 0570 LAND USE 0325, 0565 LEAD 0430, 0594 LEAF PROTEIN CONTENT 0412 LEATHER 0537 LEATHER INDUSTRY 0389 LEAVES 0450, 0453, 0455, 0458, 0463, 0464, 0465, 0466,		
	M MACERATING 0475 MAGNAPORTHE GRISEA 0500 MAGNESIUM 0463 MAIZE 0355, 0506, 0562 MALAYSIA 0313 MALES 0472 MALTOSE 0587	

0451, 0465, 0468, 0472, 0535	NECROSIS 0501	0500, 0505
MICROORGANISMS	NICOTIANA TABACUM	OSTRINIA FURNACALIS
0420, 0425, 0583, 0590, 0595	0332, 0333, 0342, 0359, 0362, 0397, 0449	0423, 0489
MICROSCOPY	NICOTINAMIDE	OVARIES
0450	0530	0525
MIGRATORY PESTS	NITROGEN	P
0487	0421	PADDY SOIL
MILK	NITROGEN	0599
0507, 0580	FERTILIZERS	PAPAYAS
MILK PRODUCTION	0402, 0428, 0500	0379, 0380
0346	NON FOOD PRODUCTS	PAPER
MILK PRODUCTS	0386	0516
0578	NPK FERTILIZERS	PARAMYXOVIRIDAE
MILLING	0423, 0424	0548
0560	NUSA TENGGARA	PARASERIANTHES
MINERALIZATION	0312, 0333, 0362	FALCATARIA
0421	NUTRIENT UPTAKE	0406, 0515, 0585
MINERALS	0420, 0430	PARTICIPATION
0583	NUTRITIONAL STATUS	0308, 0309, 0316, 0335, 0339
MODELS	0586	PARTICLE BOARDS
0567	NUTRITIVE VALUE	0514, 0515
MOISTURE CONTENT	0406, 0526, 0573	PARTNERSHIPS
0506	O	0333, 0356, 0359, 0362
MONITORING	OFF FARM	PASTEURIA
0318, 0328, 0520, 0596, 0598	EMPLOYMENT	0493
MONOCULTURE	0358	PASTEURIZED MILK
0398, 0424	OILS	0574
MORTALITY	0479	PATHOGENS
0485, 0489	ON-FARM RESEARCH	0489, 0497
MOVEMENT	0331	PEAT SOILS
0536	ONIONS	0447
MULTIPLE CROPPING	0354, 0380	PELLETS
0398, 0414	OPUNTIA	0563
MULTIPLE USE	0396, 0403	PEST CONTROL
0381, 0457, 0461	ORGANIC	0411, 0483, 0485, 0489
MUTATION	AGRICULTURE	PEST CONTROL
0446	0319, 0337, 0417, 0432	EQUIPMENT
MYCOPLASMA	ORGANIC FERTILIZERS	0561
0494	0399, 0418, 0429, 0430, 0590	PEST RESISTANCE
MYCORRHIZAE	ORGANIC FOODS	0436, 0487
0430	0583	PESTICIDES
MYCOSPHAERELLA	ORGANIC MATTER	0480, 0486, 0490
ARACHIDIS	0421	PESTS OF PLANTS
0498	ORGANIC WASTES	0481
MYCOSPHAERELLA	0549	PH
BERKELEYI	ORGANOLEPTIC	0587, 0593, 0597
0498	ANALYSIS	PHOSPHATE
N	0507, 0573	FERTILIZERS
NATIONAL PARKS	ORNAMENTAL PLANTS	0416, 0417, 0425, 0426, 0568
0363	0396, 0502	PHOSPHORUS
NATURE	ORYZA SATIVA	0421, 0430
CONSERVATION	0360, 0395, 0407, 0428, 0435, 0436, 0447, 0484,	PHYTOPHTHORA
0341, 0361, 0363		NICOTIANAE
		0449

PIGMENTS 0589	0501	0318
PINEAPPLES 0379, 0588	PLUMBAGINACEAE 0448, 0453, 0455, 0461, 0463, 0564	PRODUCTION 0320, 0326, 0332, 0334, 0342, 0390, 0413, 0441
PINUS RADIATA 0406	PNEUMONIA 0548	PRODUCTION COSTS 0349, 0350, 0374
PIPER NIGRUM 0401, 0493	POLLUTION 0594, 0598	PRODUCTION INCREASE 0338, 0346, 0407, 0425, 0445, 0488, 0527, 0559
PIPER RETROFRACTUM 0474	POLYPODIUM 0477	PRODUCTION POSSIBILITIES 0476, 0524
PLANNING 0512	POPULATION GENETICS 0437, 0440, 0533	PRODUCTION SPECIALIZATION 0304
PLANT ANATOMY 0393, 0408, 0448, 0464, 0476, 0491	PORTULACEAE 0456	PRODUCTIVITY 0342, 0359, 0360, 0395, 0412, 0438, 0531
PLANT BREEDING 0438, 0441, 0446	POSTHARVEST EQUIPMENT 0553, 0556, 0562	PROFENOFOS 0490
PLANT DISEASES 0494, 0498, 0500	POSTHARVEST TECHNOLOGY 0336, 0381, 0390, 0411, 0503, 0504	PROFESSIONAL SERVICES 0558
PLANT ESTABLISHMENT 0567	POTASH FERTILIZERS 0402, 0417, 0500	PROFIT 0370, 0558
PLANT EXTRACTS 0453, 0454, 0458, 0462, 0463, 0465, 0469, 0471, 0472	POTASSIUM 0463	PROFITABILITY 0357, 0374
PLANT GROWTH SUBSTANCES 0391	POTATOES 0379, 0380	PROGENY 0487
PLANT INTRODUCTION 0304, 0414	POULTRY 0492, 0529	PROGENY TESTING 0443
PLANT NURSERIES 0393	POVERTY 0329	PROPAGATION BY CUTTINGS 0398
PLANT PHYSIOLOGY 0464	POWDERS 0450	PROPAGATION MATERIALS 0412
PLANT POPULATION 0405	PRESERVATION 0527	PROTEIN CONTENT 0422, 0429, 0588
PLANT PRODUCTION 0503	PRICES 0347, 0374, 0379, 0380, 0388	PROXIMATE COMPOSITION 0507
PLANT PROPAGATION 0393, 0403, 0404, 0410, 0413	PROBIOTICS 0529	PSEUDOMONAS SOLANACEARUM 0449, 0470, 0471
PLANT PROTECTION 0496	PROCESSED ANIMAL PRODUCTS 0574	PSIDIUM GUAJAVA 0547
PLANT RESPONSE 0568	PROCESSED FOODS 0581	PTEROCARPUS INDICUS 0464
PLANT TISSUES 0455	PROCESSED PLANT PRODUCTS 0577, 0582, 0588	PUBLIC HEALTH 0538, 0544
PLANTATIONS 0353	PROCESSING 0348, 0365, 0366, 0372, 0402, 0474, 0507, 0573, 0574, 0575, 0576, 0577, 0578, 0580, 0581, 0582	PUCCINIA ARACHIDIS 0498
PLANTING DATE 0402, 0407	PRODUCER PRICES 0380	PULP 0516
PLANTING EQUIPMENT 0562	PRODUCT LABELLING	
PLANTING STOCK 0441		
PLATYPUS		

PULP AND PAPER INDUSTRY 0402	REGULATIONS 0317, 0318, 0345, 0383, 0384, 0385, 0518, 0537	S SACCHAROMYCES CEREVISIAE 0529
PUMPS 0395, 0431	REMOTE SENSING 0599	SALACCA 0582
Q QUALITY 0304, 0317, 0336, 0342, 0349, 0359, 0364, 0374, 0375, 0393, 0400, 0410, 0412, 0427, 0474, 0503, 0507, 0508, 0552, 0554	REMUNERATION 0370	SALTED FISH 0336
QUALITY ASSURANCE 0538	RENEWABLE RESOURCES 0361	SALTWATER FISHES 0532
QUALITY CONTROLS 0319, 0377, 0385	REPRODUCTION 0535	SAMPLING 0509
QUALITY OF LIFE 0369, 0373	RESEARCH 0302, 0303, 0321, 0339, 0343, 0436, 0451, 0596	SAPONINS 0456, 0471
QUANTITATIVE GENETICS 0439	RESIDUES 0426, 0480, 0490	SATELLITES 0566, 0599, 0600
R RABBITS 0523	RESISTANCE TO INJURIOUS FACTORS 0534	SAUCES 0576
RABIES 0544, 0545, 0546	RESOURCE MANAGEMENT 0334, 0570	SAUROPUS 0398, 0412, 0422, 0429
RADIATION 0446	RESOURCE CONSERVATION 0564	SAUSAGES 0574
RADIOIMMUNOASSAY 0534	RHIZOMES 0452	SAWDUST 0406
RADOPHOLUS SIMILIS 0493	RICE 0320, 0366, 0382, 0560	SAWNWOOD 0516
RAIN 0326, 0572, 0597	RICE HUSKS 0366, 0371	SCLERENCHYMA 0455
RATIONS 0519, 0526, 0527	RICE STRAW 0526	SEASONS 0572
RAW MATERIALS 0384	RODENT CONTROL 0484	SEDIMENT 0551
RECOMBINATION 0440	ROLE OF WOMEN 0389	SEED 0382, 0410, 0412, 0413, 0415
RECURRENT SELECTION 0440	ROOT CROPS 0321	SEED COLLECTION 0412
REGIONAL ACCOUNTING 0323	ROOTS 0428	SEED PRODUCTION 0411
REGIONAL DEVELOPMENT 0341, 0345	ROSA 0444, 0491	SEED WEIGHT 0427
REGIONAL GOVERNMENT 0345	RUBBER 0367	SEEDLINGS 0413
	RUMINANTS 0353, 0526	SEEDS 0476, 0485, 0567
	RURAL AREAS 0325	SELECTION 0354, 0480, 0491, 0532, 0533
	RURAL DEVELOPMENT 0520	SELF SUFFICIENCY 0373
	RURAL SOCIOLOGY 0325	SEMEN PRESERVATION 0531
	RUSTS 0498	SEX 0507
		SHADE 0401
		SHADE PLANTS

0585	0567	STOCKS
SHADING	SOILBORNE	0318
0408	ORGANISMS	STORAGE
SHEEP	0499	0506
0527, 0548	SOLANUM	STORAGE CONTAINERS
SHELLING	MELONGENA	0554
0553	0411	STRESS
SHOREA	SOLANUM	0534
0494	TUBEROSUM	SUCROSE
SILAGE MAKING	0442	0575
0527	SOYBEANS	SUGAR INDUSTRY
SIMULATED FOODS	0390	0365
0369	SPACING	SUGARCANE
SIMULATION	0405, 0509	0365
0557	SPAWNING	SULAWESI
SITE FACTORS	0532	0315, 0339, 0355
0395	SPECIES	SULPHIDES
SITOPHILUS ZEAMAI	0477	0447
0487	SPECTROMETRY	SUMATRA
SMALL FARMS	0460, 0473, 0475, 0594	0324, 0343, 0363, 0442,
0357	SPERMATOOZOA	0486, 0522, 0551, 0578
SOCIAL BEHAVIOUR	0536	SUPERPHOSPHATE
0374	SPILANTHES	0395
SOCIAL CONDITIONS	0458	SUPPLEMENTARY
0335	SPONGIFORM	FEEDING
SOCIAL GROUPS	ENCEPHALOPATHY	0529, 0530
0301	0543	SUPPLEMENTS
SOCIAL INSTITUTIONS	SPORES	0525
0368	0499	SUPPLY
SOCIOECONOMIC	SPOTS	0415
DEVELOPMENT	0498	SUPPLY BALANCE
0361, 0363	SPRAYERS	0333, 0340
SOCIOECONOMIC	0480	SURVEYS
ENVIRONMENT	SPRINKLER	0477
0332, 0351, 0570	IRRIGATION	SUSTAINABILITY
SODIUM	0431	0363, 0397, 0510, 0511
0463	SQUIRRELS	SWAMP SOILS
SOIL CHEMICO-	0469	0443
PHYSICAL	STABILITY	SWEET POTATOES
PROPERTIES	0340	0369
0326, 0423	STANDARDIZING	SWINE
SOIL DIVERSION	0364	0519
0320	STANDARDS	SYMPTOMS
SOIL FERTILITY	0348	0494, 0495, 0501, 0541,
0420, 0421, 0430, 0591	STAPHYLOCOCCUS	0543, 0544
SOIL POLLUTION	AUREUS	
0596	0452	
SOIL STRENGTH	STARCH	T
0567	0400, 0587	TAIWAN
SOIL TEMPERATURE	STEM EATING INSECTS	0335
0567	0489	TAMARINDUS INDICA
SOIL TYPES	STEMS	0381, 0457, 0465, 0466,
0326	0455, 0469	0469, 0472, 0594
SOIL WATER CONTENT	STERILIZATION	TANNINS
0567	0409	0455, 0471
SOIL WATER	STEROLS	TAPPING
POTENTIAL	0471	0501

TECHNOLOGY	0315, 0339, 0343	VIGOUR
0314, 0349, 0372, 0397,	TRAPS	0412
0484, 0565, 0569, 0581,	0484, 0561	VIROSES
0598	TRIGLYCERIDES	0546
TECHNOLOGY	0462	VITAMINS
TRANSFER	TUBERS	0583
0310, 0311, 0312, 0313,	0400	
0315, 0316, 0330, 0335,		W
0338, 0339, 0342, 0343,	U	WASTE MANAGEMENT
0359, 0414, 0531, 0554,	ULTRAVIOLET	0590
0562, 0590	SPECTRO-	WASTE UTILIZATION
TECTONA GRANDIS	PHOTOMETRY	0371
0406, 0509	0467	WASTEWATER
TENEBRIO MOLITOR	UPLAND RICE	0595
0485	0424	WATER AVAILABILITY
TESTES	UPLAND SOILS	0395
0535	0421	WATER BUFFALOES
THEOBROMA CACAO	UREA	0578
0522	0395	WATER POLLUTION
THERAPY	USES	0595
0592	0396, 0516, 0523, 0558,	WATER RESERVOIRS
THIN LAYER	0562, 0564, 0581	0431
CHROMATOGRAPHY	USTULINA	WATER USE
0456	0501	0431
THRESHERS		WATERSHEDS
0505, 0562		0551
TILLAGE	V	WEATHER DATA
0395	VACCINATION	0572
TILLAGE EQUIPMENT	0545	WOOD
0562	VACCINES	0513
TIME	0492, 0496	WOOD EXTRACTS
0408	VALUE ADDED	0513
TISSUE CULTURE	0349, 0370	WOOD INDUSTRY
0409	VARIETIES	0367, 0516
TOBACCO	0390, 0392, 0393, 0402,	WORKING CAPITAL
0347	0420, 0431, 0441, 0442,	0328
TOMATOES	0446, 0476, 0487, 0498,	
0379, 0380	0500, 0573	X
TOXICITY	VEGETABLES	XYLEM
0454, 0458, 0459, 0465	0378	0455
TOXOPLASMOSIS	VEGETATIVE	
0542	PROPAGATION	Y
TRACTORS	0401	YEASTS
0557	VERTICILLIUM	0529
TRADITIONAL	DAHLIAE	YIELD COMPONENTS
FARMING	0499	0405, 0420
0434	VESICULAR	YIELD INCREASES
TRADITIONAL	ARBUSCULAR	0420, 0424, 0431
MEDICINES	MYCORRHIZAE	YIELDS
0381, 0448, 0452, 0454,	0568	0340, 0390, 0391, 0398,
0457, 0460, 0461, 0474,	VETERINARIANS	0399, 0402, 0405, 0406,
0547, 0564	0540	0418, 0422, 0423, 0424,
TRADITIONAL	VETERINARY	0426, 0427, 0428, 0429,
TECHNOLOGY	MEDICINE	0430, 0435, 0436, 0442,
0336	0540	0446, 0447
TRAINING	VIABILITY	YOGHURT
0308, 0309, 0311, 0312,	0412	

0574

Z

ZEA MAYS

0394, 0414, 0423, 0431,

0437, 0440, 0443, 0445,

0487, 0489

ZEOLITES

0419

ZEUZERA

0483

INDEKS BADAN KORPORASI / CORPORATE BODY INDEX

- B**
 Badan Bimas Ketahanan Pangan, Jakarta 0586
 Badan Penelitian dan Pengembangan Pertanian, Jakarta 0302, 0303, 0307, 0308, 0309, 0310, 0311, 0312, 0313, 0315, 0316, 0330, 0335, 0339, 0343
 Badan Pengembangan Sumber Daya Manusia Pertanian, Jakarta 0305
 Bagian Proyek Manajemen Penyuluhan Pertanian, Jakarta 0306
 Balai Besar Pengembangan Alat dan Mesin Pertanian, Serpong-Tangerang 0314, 0553, 0560, 0577, 0580
 Balai Besar Pengembangan Mekanisasi Pertanian, Serpong-Tangerang 0344, 0349, 0351, 0373
 Balai Pengkajian Teknologi Pertanian Sumatera Selatan, Palembang 0324
 Balai Pengkajian Teknologi Pertanian, Yogyakarta 0433
 Biro Bina Perekonomian Daerah Propinsi DKI, Jakarta 0531, 0554, 0590
- D**
 Departemen Kehutanan dan Perkebunan, Jakarta 0510, 0511, 0512
 Direktorat Alat dan Mesin, Jakarta 0555, 0556, 0557, 0558, 0559
 Direktorat Budidaya Peternakan, Jakarta 0518, 0519
- Direktorat Jenderal Bina Sarana Pertanian, Jakarta 0328, 0329
 Direktorat Kesehatan Hewan, Jakarta 0543, 0544, 0545, 0546
 Direktorat Pengembangan Peternakan, Jakarta 0368, 0520, 0521
 Direktorat Pengembangan Usaha Hortikultura, Jakarta 0356, 0378
 Direktorat Pengolahan dan Pemasaran Hasil Peternakan, Jakarta 0574, 0575, 0576
 Direktorat Perbenihan, Jakarta 0411
 Direktorat Perlindungan Hortikultura, Jakarta 0480
 Direktorat Pupuk dan Pestisida, Jakarta 0318, 0419
- I**
 Instalasi Penelitian dan Pengkajian Teknologi Pertanian, Jakarta 0531, 0554, 0590
 Institut Pertanian STIPER, Yogyakarta 0389, 0391, 0392, 0476
 Institut Teknologi Sepuluh Nopember, Surabaya 0452
- P**
 Pusat Penelitian dan Pengembangan Perkebunan, Bogor 0322, 0332, 0333, 0342, 0359, 0362, 0381, 0397, 0398, 0412, 0413, 0414, 0422, 0448, 0453, 0454, 0455, 0456, 0457, 0458, 0461, 0462, 0463, 0465,
- 0466, 0469, 0470, 0471, 0472, 0474, 0475, 0564, 0568, 0572, 0594
 Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor 0338, 0369, 0400, 0420, 0431, 0437, 0440, 0443, 0487, 0489, 0562, 0567, 0570
 Pusat Penelitian Limnologi, Bogor 0549, 0551, 0600
 Pusat Penelitian Sosial Ekonomi Pertanian, Bogor 0395
 Pusat Pengembangan Ketersediaan Pangan, Jakarta 0348
- U**
 Universitas Gadjah Mada, Yogyakarta. Fakultas Pertanian. 0331, 0334, 0340, 0358, 0565
 Universitas Padjadjaran, Bandung. Fakultas Matematika dan Pengetahuan Alam 0460
 Universitas Padjadjaran, Bandung. Fakultas Pertanian 0430
 Universitas Padjadjaran, Bandung. Lembaga Pengabdian Kepada Masyarakat 0527, 0533, 0579
 Universitas Pembangunan Nasional Veteran, Yogyakarta 0323, 0341, 0345
 Universitas Winaya Mukti, Jatinangor- Sumedang. Fakultas Kehutanan 0361, 0509, 0513

INDEKS JURNAL / JOURNAL INDEX

A

Agr-UMY
0360, 0402
Agrivita
0421, 0439
Analisis Kebijakan
Pertanian
0387
Animal Production
0578

B

Berita Puslitbangtan
0350, 0423, 0424, 0428,
0436, 0447, 0505, 0506
Biosfera
0408, 0593
Buletin Bulanan Statistik
Agribisnis
0379, 0380
Buletin Palawija
0498
Buletin Teknik Pertanian
0401

D

Dipterokarpa
0409, 0483, 0494, 0508,
0514, 0515, 0516, 0591

E

Ekologi
0596, 0598
Ekologia
0464, 0477, 0485, 0535,
0547, 0588, 0595, 0597

H

Hortikultura
0327, 0364, 0375, 0393,
0396, 0403, 0415, 0434,
0481, 0504, 0592

I

Info Standar
0348

J

Jircas Working Report
0390
Jurnal Ilmiah Tambua
0497
Jurnal Ilmu dan Teknologi
Pternakan
0525, 0530, 0536
Jurnal Ilmu Ternak dan
Veteriner
0529, 0548
Jurnal Penelitian Tanaman
Industri
0429
Jurnal Stigma
0355, 0363, 0394, 0442,
0446, 0486, 0490, 0582
Jurnal Teknologi Industri
Pertanian
0336

M

Manual Kesmavet
0317, 0346, 0377, 0383,
0384, 0385, 0386, 0517,
0537, 0538, 0539, 0540,
0541, 0542, 0552
Media Pengembangan
Pternakan
0353

P

Pelayanan Informasi
Pengembangan
Pternakan
0522

Penelitian Pertanian
Tanaman Pangan
0500

T

Tropika
0354, 0357, 0370, 0374,
0399, 0405, 0406, 0449,
0499, 0573, 0584, 0587,
0589, 0599

W

Warta Penelitian dan
Pengembangan Per-
tanian
0320, 0325, 0347, 0352,
0365, 0366, 0367, 0371,
0372, 0382, 0404, 0407,
0410, 0416, 0417, 0425,
0432, 0435, 0444, 0445,
0479, 0482, 0484, 0488,
0491, 0492, 0493, 0495,
0496, 0502, 0523, 0524,
0526, 0528, 0561, 0563,
0566, 0571, 0581
Warta Penelitian Perikanan
Indonesia
0532, 0534, 0550
Warta Pusat Penelitian
Karet
0438, 0501
Warta Pusat Penelitian
Kopi dan Kakao
Indonesia
0304, 0319, 0326, 0337,
0376, 0388, 0441, 0583,
0585
Warta Tumbuhan Obat
Indonesia
0418, 0426, 0427, 0450,
0451, 0459, 0467, 0468,
0473, 0478

