

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

Vol. 36, No. 3

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
Sulastris 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

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 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 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); Purnomo-wati, 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; MONO-CULTURE; 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; GERMPASM; 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, Makassar (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.; Sukanto, 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; IMIDACLOPRID; 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 FALCATARIA; 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 cokelat 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 INSEMI-NATION; 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 Parainfluenza 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.; Yusrina (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.

