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A50 AGRICULTURAL RESEARCH / PENELITIAN PERTANIAN

0601 SUPRIHATNO, B. [Results and progress research of food crops on swamps land]. Hasil utama dan kemajuan penelitian tanaman pangan lahan rawa / Suprihatno, B.; Sabran, M. (Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia)). [Food crops management in swamp lands]. Pengelolaan tanaman pangan lahan rawa/Prayudi, B.; Sabran, M.; Noor, I.; Ar-Riza, I.; Partohardjono, S.; Hermanto (eds.) Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia). Banjarbaru (Indonesia): BALITRA, 2000 p. 11-28 6 tables; 21 ref.

ORYZA SATIVA; HIGH YIELDING VARIETIES; RODENT CONTROL; RHIZOCTONIA SOLANI; BIOLOGICAL CONTROL; WATER MANAGEMENT; RESEARCH; SWAMPS.

C30 DOCUMENTATION AND INFORMATION / DOKUMENTASI DAN INFORMASI

0602 KARMINI, G. [t base 2000]. t base 2000/Karmini, G.; Saefoel B. (Pusat Penelitian dan Pengembangan Tanah dan Agroklimat, Bogor (Indonesia)). Warta Sumberdaya Lahan (Indonesia): Media komunikasi masyarakat peduli sumberdaya lahan ISSN 1410-9778 (2000) v. 1(3) p. 25-26 3 ill.

LAND USE; LAND RESOURCES; COMPUTER SOFTWARE; DATABASE.

0603 NUGROHO, K. [Utilization of GIS (Geographical Information System) on agricultural development]. Peluang pemanfaatan SIG sumberdaya lahan dalam pembangunan pertanian/Nugroho, K. (Pusat Penelitian dan Pengembangan Tanah dan Agroklimat, Bogor (Indonesia)). Warta Sumberdaya Lahan (Indonesia): Media komunikasi masyarakat peduli sumber daya lahan ISSN 1410-9778 (2000) v. 1(3) p. 33-35 2 ill.

LAND USE; LAND RESOURCES; GEOGRAPHICAL INFORMATION SYSTEMS; AGRICULTURAL RESOURCES.

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

0604 KARTASASMITA, U.E. [Security of maize production in 2001/2002]. Pengamanan produksi jagung 2001/2002/Kartasasmita, U.E.; Ismail, I.G.; Partohardjono, S.; Hasanuddin, A. (Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia)). Berita Puslitbangtan (Indonesia) ISSN 0852 6230 (2001) (no. 21) p. 10-11 1 tables; 7 ref.

MAIZE; AGRICULTURAL POLICIES; PRODUCTION; VARIETIES.

0605 RUSASTRA, IW. [Development of rural economic based on agribusiness]. Pembangunan ekonomi pedesaan berdasarkan agribisnis/ Rusastra, IW.; Simatupang, P.; Rachman, B. [Policy analysis : reliable agricultural development with agribusiness perception]. Analisis kebijaksanaan : pembangunan pertanian andalan berwawasan agribisnis/Sudaryanto, T.; Rusastra I W.; Syam, A.; Ariani, M. (eds.) Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian Bogor (Indonesia). Bogor (Indonesia): PSE , 2002 p. 62-93. Monograf series, (no, 23) : Pusat Penelitian Sosial Ekonomi Pertanian 10 tables; 11 ref.

AGRICULTURAL DEVELOPMENT; RURAL DEVELOPMENT; AGRICULTURAL ECONOMICS; AGRO INDUSTRIAL SECTOR; LAND RESOURCES; HUMAN RESOURCES; AGRICULTURAL WORKERS.

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

0606 JAMAL, E. [Factors affected wet land prices which conversion to non agricultural purposes]. Faktor-faktor yang mempengaruhi pembentukan harga lahan sawah pada proses alih fungsi lahan sawah ke penggunaan non pertanian: Studi kasus di beberapa desa, Kabupaten Karawang, Jawa Barat/Jamal, E. (Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia)). Jurnal Agro Ekonomi (Indonesia) ISSN 0216-9053 (2001) v. 19(1) p. 45-63 6 tables.; 20 ref. Summaries (En, In)

WETLANDS; PRICES; FARM INCOME;
LAND TRANSFERS; LAND USE; JAVA.

0607 PALOLOANG, A.K. [Analysis of land suitability for cocoa (*Theobroma cacao*) in Lamala district, Banggai regency (Indonesia)]. Analisis kesesuaian lahan untuk tanaman kakao (*Theobroma cacao* L) di Kecamatan Lamala Kabupaten Banggai / Paloloang, A.K.(Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Agroland (Indonesia) ISSN 0854-641X (2001) v. 8(3) p. 284-293 2 tables; 10 ref. Summaries (En,In) Appendices

THEOBROMA CACAO; LAND
SUITABILITY; SOIL FERTILITY; SOIL
CONSERVATION; SULAWESI.

0608 SOEPRAPTO. [The high value of rent land (repayment for landuse) as motivator in increasing sugarcane production: an economic review]. Tingginya nilai imbalan penggunaan lahan (IPL) sebagai motivator peningkatan produksi: tinjauan aspek ekonomi/Soeprapto; Dianpratiwi, T. (Pusat Penelitian Perkebunan Gula Indonesia, Pasuruan (Indonesia)) Habitat (Indonesia) ISSN 0853-5167 (2000) v. 11(112) p. 167-172 3 tables; 5 ref. Summaries (En, In)

SACCHARUM OFFICINARUM; HIGH
YIELDING VARIETIES; MATURITY;
SMALL FARMS; LAND USE; FARM
AREA; RENT; PRODUCTION; ECONOMIC
ANALYSIS.

0609 TAHER, A. [Peat soil as extension of farm area in the future]. Lahan gambut sebagai tumpuan perluasan areal pertanian masa datang/ Taher, A.; Syafei; Mawardi, E. (Balai Pengkajian Teknologi Pertanian Sukarami (Indonesia)). [Proceeding of the 6th National Seminar on Conservation Tillage]. Prosiding Seminar Nasional VI: Budidaya Pertanian Olah Tanah Konservasi/Irfan, Z.; Lamid, Z.; Jahja, D.; Irawati; Ardi (eds.) . Padang (Indonesia): Himpunan Ilmu Gulma Indonesia, 1998. Prosiding Seminar Nasional VI Budidaya Pertanian Olah Tanah Konservasi (Indonesia) ISSN 0216-8308 (1998) (no.6) p. 28-34 4 tables; 17 ref.

PEAT SOILS; SOIL CONSERVATION;
USES; SUSTAINABILITY; CONSER-
VATION TILLAGE.

0610 WIRADISAstra, U.S. Design and application of methodology for evaluation of critical land rehabilitation method 1. evaluation the use of farming output. Rancangan dan terapan metode evaluasi keberhasilan rehabilitas lahan kritis. Metode 1. evaluasi menggunakan data usahatani/ Wiradisastra, U.S. (Institut Pertanian Bogor, (Indonesia). Fakultas Pertanian). Jurnal Agrista (Indonesia) ISSN 1410-3389 (2001) v. 5(3) p. 225-236 7 tables; 11 ref. Summary (En)

MARGINAL LAND; RECLAMATION;
LAND PRODUCTIVITY; TECHNOLOGY
TRANSFER; ECONOMIC ANALYSIS.

E14 DEVELOPMENT ECONOMICS AND POLICIES / EKONOMI DAN KEBIJAKAN PEMBANGUNAN

0611 IDRUS, M. [Technology application and field problem of upland rice]. Penerapan teknologi dan masalah lapangan padi gogo/Idrus, M.; Rum, M. (Balai Informasi dan Penyuluhan Pertanian Kabupaten Buol Tolitoli (Indonesia)). [Proceedings of the Seminar on Agricultural Technology Package Application in Central Sulawesi (Indonesia)]. Prosiding Seminar Aplikasi Paket Teknologi Pertanian Sulawesi Tengah/ Hasni, H.; Limbongan, J.; Slamet, M.; Bulo, D. (eds) Balai Pengkajian Teknologi Pertanian Biromaru, Palu (Indonesia). Palu (Indonesia): BPTP Biromaru, 1999 p. 15-20 5 ref.

UPLAND RICE; CULTIVATION;
TECHNOLOGY TRANSFER; EXTENSION
ACTIVITIES.

0612 MARYAM, S. Analysis of economic growth relationship with employment growth according to the three economic sector in West Nusa Tenggara (Indonesia). Analisis hubungan pertumbuhan ekonomi dengan pertumbuhan kesempatan kerja pada tiga sektor ekonomi utama di Nusa Tenggara Barat/Maryam, S. (Universitas Mataram (Indonesia). Fakultas Ekonomi). Oryza (Indonesia) ISSN 0125-169X (2002) v. 2(1) p. 33-49 4 tables; 8 ref. Summaries (En, In)

NUSA TENGGARA; ECONOMIC
GROWTH RATE; ECONOMIC SECTORS;
EMPLOYMENT; LABOUR ALLOCATION.

0613 MUSLAINI, S.A. [Condition and problems of smallholder coconut plantation in Donggala, Central Sulawesi (Indonesia)]. Kondisi dan masalah kelapa rakyat di Kabupaten Donggala / Muslaini, S.A.. [Proceedings of the Seminar on Agricultural Technology Package Application in Central Sulawesi (Indonesia)]. Prosiding Seminar Aplikasi Paket Teknologi Pertanian Sulawesi Tengah/Hasni, H.; Limbongan, J.; Slamet, M.; Bulu, D. (eds) Balai Pengkajian Teknologi Pertanian Biromaru, Palu (Indonesia). Palu (Indonesia): BPTP Biromaru, 1999 p. 76-84 3 tables; 7 ref.

COCOS NUCIFERA; SMALL FARMS; AGRICULTURAL DEVELOPMENT; PRODUCTIVITY; YIELDS.

0614 SIMATUPANG, A. [Agriculture worthinesses as mainstay sector of Indonesian economic development]. Kelayakan pertanian sebagai sector andalan pembangunan ekonomi development/Simatupang, P.. [Policy analysis : reliable agricultural development with agribusiness perception]. Analisis kebijaksanaan : pembangunan pertanian andalan berwawasan agribisnis/Sudaryanto, T.; Rusastra I W.; Syam, A.; Ariani, M. (eds.) Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian Bogor (Indonesia). Bogor (Indonesia): PSE , 2002 p. 95-109. Monograf series, (no. 23) : Pusat Penelitian Sosial Ekonomi Pertanian 12 tables;

INDONESIA; AGRICULTURAL DEVELOPMENT; AGRICULTURAL ECONOMICS; ECONOMIC COMPETITION.

0615 SIMATUPANG, P. [Agriculture development as national economics mainstay]. Pembangunan pertanian sebagai andalan perekonomian nasional/ Simatupang, P.; Syafa'at, N.; Pranadji, T.; Nikijuluw, V.P.H.; Rachman, B.. [Policy analysis : reliable agricultural development with agribusiness perception]. Analisis kebijaksanaan : pembangunan pertanian andalan berwawasan agribisnis/Sudaryanto, T.; Rusastra I W.; Syam, A.; Ariani, M. (eds.) Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian Bogor (Indonesia). Bogor (Indonesia): PSE, 2002 p. 1-61. Monograf series, (no. 23) : Pusat Penelitian Sosial Ekonomi Pertanian 3 ill., 8 tables.

AGRICULTURAL DEVELOPMENT; ECONOMIC SITUATION; NATIONAL INCOME; TRADE POLICIES; ECONOMIC POLICIES; AGRICULTURAL POLICIES; HUMAN RESOURCES.

0616 SUPRIADI, H. [Availability and constraint on technology adoption of tidal swamp land farming systems]. Ketersediaan dan kendala adopsi teknologi usahatani lahan rawa pasang surut/Supriadi, H.; Purba, S. (Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia)). [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajaneegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 269-282 2 ill., 2 tables; 11 ref. Summary (In)

TECHNOLOGY TRANSFER; SWAMP SOILS; ORYZA SATIVA; FARMING SYSTEMS; CATCH CROPS; CULTIVATION; WATER MANAGEMENT; LAND MANAGEMENT.

0617 WARDOYO, R.E. [Technology application and field problem of flooded rice in Banggai Regency]. Penerapan teknologi dan masalah lapangan padi sawah di Kabupaten Banggai/Wardoyo, R.E.. [Proceedings of the Seminar on Agricultural Technology Package Application in Central Sulawesi (Indonesia)]. Prosiding Seminar Aplikasi Paket Teknologi Pertanian Sulawesi Tengah/Hasni, H.; Limbongan, J.; Slamet, M.; Bulu, D. (eds) Balai Pengkajian Teknologi Pertanian Biromaru, Palu (Indonesia). Palu (Indonesia): BPTP Biromaru, 1999 p. 22-25 1 table

FLOODED RICE; MARKETING CHANNELS; APPROPRIATE TECHNOLOGY; TECHNOLOGY TRANSFER; HIGH YIELDING VARIETIES; FERTILIZERS; RATS.

E16 PRODUCTION ECONOMIC/ EKONOMI PRODUKSI

0618 AZWAR, R. [New high yielding hevea clone and the development process acceleration for industrial estate de-

velopment]. Klon karet unggul baru dan percepatan proses pengembangannya dalam pembangunan industri perkebunan/Azwar, R.; Soekirman, P. (Pusat Penelitian Karet, Bogor (Indonesia)). [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999 p. 174-185 1 ill., 3 tables; 4 ref. Summary (In)

HEVEA BRASILIENSIS; HIGH YIELDING VARIETIES; LATEX; PRODUCTION; ECONOMIC VALUE.

0619 WIYANDHANI, A.A. [Efficiency of production factors on sugar industry in Indonesia]. Efisiensi faktor-faktor produksi pada industri gula pasir di Indonesia/Wiyandhani, A.A.. [Compilation Papers on Academic Seminar University Level]. Kumpulan Makalah Seminar Akademik Tingkat Universitas/Universitas Gadjah Mada, Yogyakarta (Indonesia). Yogyakarta: Universitas Gadjah Mada, 1999 (pt. 6) 6p. 1 table; 8 ref.

SUGAR INDUSTRY; PRODUCTION; FUNCTIONS; EFFICIENCY.

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

0620 ABDURACHMAN, A. [Concept of sustainable agricultural development in swamp land to support food security and agribusiness development]. Konsep pengembangan pertanian berkelanjutan di lahan rawa untuk mendukung ketahanan pangan dan pengembangan agribisnis/Abdurachman, A. (Pusat Penelitian Tanah dan Agroklimat, Bogor Indonesia) Ananto, E.E.. [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional

Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 33-52 5 tables; 13 ref. Summary (In)

CROPS; SWAMP SOILS; AGRICULTURAL DEVELOPMENT; AGROINDUSTRIAL SECTOR; FOOD SECURITY; SUSTAINABILITY; INDONESIA.

0621 BAKHRI, S. [Performance of technology package application on the yield and farm income of maize farming system in Napu high local (Indonesia)]. Keragaan penerapan paket teknologi terhadap hasil dan pendapatan usahatani jagung di dataran tinggi Napu/Bakhri, S.; Rusdi, M. (Balai Pengkajian Teknologi Pertanian Biromaru, Palu (Indonesia)); Sannang, Z.. [Proceedings of the Seminar on Technology Package Application in Central Sulawesi (Indonesia)]. Prosiding Aplikasi Paket Teknologi Pertanian Sulawesi Tengah/Rangkuti, M.; Rusastra, IW.; Limbongan, J.; Slamet, M.; Syam, A.; Bulo, D. (eds.) Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia). Bogor (Indonesia): Pusat Penelitian Sosial Ekonomi Pertanian, 2000 p. 23-30 4 tables.; 6 ref. Summary (In)

MAIZE; TECHNOLOGY TRANSFER; CULTIVATION; PRODUCTIVITY; FARM INCOME; YIELDS.

0622 BAKRI, S. [Performance and problems of technology application on maize farming systems]. Keragaan dan permasalahan penerapan teknologi usahatani jagung/Bakri, S. (Balai Informasi dan Penyuluhan Pertanian, Donggala (Indonesia)). [Proceedings of the Seminar on Technology Package Application in Central Sulawesi (Indonesia)]. Prosiding Aplikasi Paket Teknologi Pertanian Sulawesi Tengah/ Rangkuti, M.; Rusastra, IW.; Limbongan, J.; Slamet, M.; Syam, A.; Bulo, D. (eds.) Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia). Bogor (Indonesia): Pusat Penelitian Sosial Ekonomi Pertanian, 2000 p. 1-5 1 table. Summary (In)

ZEA MAYS; CULTIVATION; TECHNOLOGY TRANSFER.

0623 BARLINA, R. [Potential and opportunity of young coconut]. Potensi kelapa muda dan peluangnya/Barlina, R. (Balai Penelitian Tanaman Kelapa dan Palma Lain, Manado (Indonesia)). Buletin Palma (Indonesia) ISSN 0215-0646 2001 no.(27) p. 75-84 2 ill., 5 tables; 17 ref. Summary (In)

COCONUTS; COCONUT WATER; PROCESSING; NUTRITIVE VALUE; PROXIMATE COMPOSITION; MARKETING.

0624 BUDIANTO, J. [Agricultural research and development policies in swamp land to support food security and agribusiness development]. Kebijakan operasional penelitian dan pengembangan pertanian di lahan rawa mendukung peningkatan ketahanan pangan dan pengembangan agribisnis/Budianto, J. (Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia)). [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 1-11 13 ref. Summary (In)

FOOD CROPS; PRODUCTION INCREASE; AGRICULTURAL DEVELOPMENT; RESEARCH; SWAMP SOILS; AGROINDUSTRIAL SECTOR; FOOD SECURITY.

0625 DAMANIK, S. Analysis of Indonesian pepper supply and demand in the International Market. Analisis penawaran dan permintaan lada Indonesia di pasar internasional / Damanik, S. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). Jurnal Penelitian Tanaman Industri (Indonesia) ISSN 0853-8212 (Des 2001) v. 7(4) p. 113-119 2 tables; 7 ref. Summaries (En,In)

PEPPER; EXPORTS; SUPPLY BALANCE; INTERNATIONAL TRADE; INDONESIA.

0626 DAMARDJATI, D.S. [Concept and strategy of sustainable agricultural development to support food security and agribusiness development]. Pengembangan

pertanian berkelanjutan di lahan rawa untuk mendukung ketahanan pangan dan pengembangan agribisnis: konsepsi dan strategi pengembangannya/Damardjati, D.S.; Ismail, I.G.; Alihamsyah, T. (Pusat Penelitian Tanaman Pangan, Bogor (Indonesia)). [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 23-32 1 ill., 2 tables; 5 ref. Summary (In)

RICE; SWAMP SOILS; AGRICULTURAL DEVELOPMENT; LAND SUITABILITY; AGROINDUSTRIAL SECTOR; TECHNOLOGY; SUSTAINABILITY ; INDONESIA.

0627 ERMIATI, A.F. Analysis of gambir farming system (*Uncaria gambir* Roxb) in West Sumatra (case study of Harau Sub District, 50 Kota District). Analisis usahatani gambir di Sumatera Barat (studi kasus Kecamatan Harau, Kabupaten 50 Kota / Ermiami, A.F.; Rosmeilisa, P. (Balai Penelitian Rempah dan Obat, Bogor (Indonesia)). Jurnal Penelitian Tanaman Industri (Indonesia) ISSN 0853-8212 (Sep 2001) v. 7(3) p. 67-73 5 tables; 12 ref. Summaries (En,In)

UNCARIA GAMBIR; FARMING SYSTEMS; FARM INCOME; FEASIBILITY STUDIES; ECONOMIC ANALYSIS.

0628 GUNAWAN. Optimization of agroforestry with the linear programming. Optimasi usahatani agroforestry dengan pendekatan linear programming/Gunawan. Jurnal Penelitian Andalas (Indonesia) v. 8(22) p. 24-31 (1996) 3 tables.; 4 ref. Summary (En)

SYZYGIUM AROMATICUM; MANIHOT ESCULENTA; COCOS NUCIFERA; COFFEA; ALBIZIA; AGROFORESTRY; ECONOMIC ANALYSIS; FARMING SYSTEMS.

0629 HERMANTO. [Empowerment of non transmigrasi farmers in tidal swamp land at South Sumatra (Indonesia)]. Pemberdayaan petani non-transmigrasi di lahan rawa pasang

surut Sumatera Selatan/Hermanto (Loka Pengkajian Teknologi Pertanian Puntikayu, Palembang (Indonesia)). [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 441-453 11 ref. Summary (In)

SUMATRA; TIDES; FARMERS; SWAMP SOILS; SOCIOECONOMIC DEVELOPMENT; FARM INCOME.

0630 IDJUDIN, A.A. [Development of conservation farming system on critical upland in Yogyakarta (Indonesia) area]. Pengembangan usahatani konservasi perbukitan kritis di kawasan Yogyakarta / Idjuddin, A.A.; Junaedi, M.S.. Warta Sumberdaya Lahan (Indonesia) ISSN 1410-9778 (1999) v. 1(2) p. 21-22 1 ill.

YOGYAKARTA; FARMING SYSTEMS; LAND MANAGEMENT; CROPPING SYSTEMS; SOIL CONSERVATION; MARGINAL LAND.

0631 JANUWATI, M. [Potential of *Zingiberaceae* on farming systems in swamp soils]. Potensi temu-temuan pada sistem usahatani di lahan rawa / Januwati, M.; Yusron, M. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 403-409 2 tables; 2 ref. Summary (In)

ZINGIBERACEAE; DRUG PLANTS; FARMING SYSTEMS; SWAMP SOILS.

0632 RACHIM, A. [Concept of sustainable agricultural development in swamp soils to support food security and agribusiness development]. Konsep pengembangan

pertanian berkelanjutan di lahan rawa untuk mendukung ketahanan pangan dan pengembangan agribisnis/Rachim, A.; Situmorang, R.; Hartono, A. (Institut Pertanian Bogor (Indonesia). Fakultas Pertanian). [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 53-63 2 tables; 12 ref. Summary (In)

FOOD CROPS; AGRICULTURAL DEVELOPMENT; SWAMP SOILS; AGROINDUSTRIAL SECTOR; SUSTAINABILITY; FOOD SECURITY.

0633 RACHMAT, R. [Cooperate farming as an alternative for farming system model]. Cooperate farming sebagai alternatif model usahatani/ Rachmat, R. (Balai Penelitian Tanaman Padi, Sukamandi (Indonesia)). [Food crops management in swamp lands]. Pengelolaan tanaman pangan lahan rawa/Prayudi, B.; Sabran, M.; Noor, I.; Ar-Riza, I.; Partohardjono, S.; Hermanto(Eds.) Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia)). Banjarbaru (Indonesia): BALITTRA, 2000 p. 29-34 2 ref.

COOPERATIVE FARMING; LAND MANAGEMENT; METHODS; FARMING SYSTEMS.

0634 SOEKIRMAN, S. [Concept of sustainable agricultural development in swamp land to support food security and agribusiness development]. Konsep pengembangan pertanian berkelanjutan di lahan rawa untuk mendukung ketahanan pangan dan pengembangan agribisnis/ Soekirman, S. (Direktorat Jenderal Prasarana dan Sarana Pertanian, Jakarta (Indonesia)). [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman

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FOOD CROPS; SWAMP SOILS; AGRICULTURAL DEVELOPMENT SUSTAINABILITY; FOOD SECURITY; AGROINDUSTRIAL SECTOR; DEVELOPMENT POLICIES.

0635 SUMARYANTO. [Estimation rice farm efficiency level using stochastic frontier production function]. Estimasi tingkat usahatani padi dengan fungsi produksi frontier stokastik/Sumaryanto (Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia)). Jurnal Agro Ekonomi (Indonesia) ISSN 0216-9053 (2001) v. 19(1) p. 65-84 1 ill., 5 tables.; 27 ref. Summaries (En, In)

RICE; FARMING SYSTEMS; PRODUCTIVITY; ECONOMICS; FARM INPUTS.

0636 TRISBIANTORO, D. A study of models of developing salak Pondoh in empowering civil economic in Bondowoso region. Penelitian model pengembangan salak Pondoh dalam rangka pemberdayaan ekonomi rakyat di Kabupaten Bondowoso/Trisbiantoro, D.; Dirganto. TechKnow (Indonesia) (2001) (no. 02) p. 15-33 8 tables. Summaries (En, In)

SALACCA EDULIS; FARMING SYSTEMS; ECONOMIC VALUE; FARM INCOME; FARMERS ASSOCIATIONS; SOCIO-ECONOMIC DEVELOPMENT; PRODUCTIVITY; PROFITABILITY.

0637 WAHYONO, T. Variable input demand in oil palm production for achieving economic efficiency in PIR Lokal Partimbangan North Sumatra . Analisis permintaan input variabel dalam usahatani kelapa sawit untuk mencapai efisiensi ekonomis di PIR Lokal Partimbangan Sumatera Utara/Wahyono, T. Jurnal Penelitian Kelapa Sawit (Indonesia) ISSN 0853 - 196X (1999) v. 7(2) p. 123-143 4 tables; 18 ref. Summaries (En,In)

ELAEIS GUINEENSIS; FARMING SYSTEMS; SMALL FARMS; FARM INPUTS; PRODUCTION FUNCTIONS; PRODUCTION COSTS; FARM INCOME; EFFICIENCY; SUMATRA.

0638 WARDANA, I.P. Economic efficiency of rice farmers in a rainfed lowland environment before and during the financial crises/Wardana. I.P. (Balai Penelitian Tanaman Padi, Sukamandi, Subang (Indonesia)); Mulyadi; Aragon, C.T.. Jurnal Agro Ekonomi (Indonesia) ISSN 0216-9053 (2001) v. 19(1) p. 85-105 8 tables.; 24 ref. Summaries (En, In)

RICE; FARMERS; RAINFED FARMING; ECONOMIC CRISES; EFFICIENCY; LOWLAND; SOCIOECONOMIC ENVIRONMENT; FARM INPUTS; WET SEASON; DRY SEASON.

E21 AGRO – INDUSTRY / AGRO INDUSTRI

0639 RAHAYU, R. [Raising goat production through agribusiness approach]. Peningkatan produksi ternak kambing melalui pendekatan agribisnis/Rahayu, R. (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian. Jurnal Agroland (Indonesia) ISSN 0854-641X (2001) v. 8(4) p. 418-424 8 tables; 5 ref. Summaries (En,In)

GOATS; AGROINDUSTRIAL SECTOR; PRODUCTIVITY; MARKETING MARGINS; FARM INPUTS.

0640 RAHMANTA. Analysis of the impact of passion fruit agroindustrial development on the farmers income in Kabupaten Karo, North Sumatra (Indonesia). Analisis dampak pengembangan agroindustri markisa (*Passiflora edulis*) terhadap pendapatan petani di Kabupaten Karo, Sumatera Utara/Rahmanta; Sebayang, T. (Universitas Sumatera Utara, Medan (Indonesia). Fakultas Sosial Ekonomi Pertanian). Jurnal Penelitian Pertanian (Indonesia) ISSN 0152-1197 (Jun 2001) v. 20(1) p. 32-39 5 tables; 7 ref. Summaries (En,In)

PASSION FRUITS; FARM INCOME; AGROINDUSTRIAL SECTOR; INDUSTRIAL DEVELOPMENT; SUMATRA.

0641 SOENTORO. [Engineering of financial service institutions supported agribusiness development in tidal land South Sumatra Indonesia]. Rekayasa lembaga jasa keuangan penunjang pengembangan sistem usaha pertanian lahan pasang surut Sumatera Selatan/Soentoro; Hermanto; (Pusat Penelitian

Sosial Ekonomi Pertanian, Bogor (Indonesia)); Raharjo, B.. [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Book 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 455-470 5 ill., 14 ref. Summary (In)

SUMATRA; AGROINDUSTRIAL SECTOR; AGRICULTURAL DEVELOPMENT; TIDES; COST BENEFIT ANALYSIS.

0642 SOENARNO. [Strategy of swamp land development with agribusiness and environment perspectives]. Strategi pengembangan pertanian lahan rawa berwawasan agribisnis dan lingkungan/Soenarno (Kantor Menteri Negara Pekerjaan Umum, Jakarta (Indonesia)). [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 125-135 2 tables; 4 ref. Summary (In)

AGROINDUSTRIAL SECTOR; AGRICULTURAL DEVELOPMENT; SWAMP LAND; ENVIRONMENT.

0643 TARYOTO, A.H. [Strategy of agribusiness development to support agricultural sustainability in swamp land]. Strategi pengembangan agribisnis mendukung keberlanjutan pertanian di lahan rawa/Taryoto, A.H.; Amran, A. (Direktorat Jenderal Industri Primer dan Pemasaran Hasil Pertanian, Jakarta (Indonesia)). [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 261-268 Summary (In)

AGROINDUSTRIAL SECTOR; AGRICULTURAL DEVELOPMENT; SWAMP SOILS; SUSTAINABILITY.

0644 WALUYO. [Potential and opportunity of food crops development in swamp soils at South Sulawesi (Indonesia). Potensi dan peluang pengembangan tanaman pangan di lahan rawa lebak Sumatera Selatan/ Waluyo; Suparwoto; Ismail, I.G.. [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Book 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 471-481 7 tables; 7 ref. Summary (In)

FOOD CROPS; TILLAGE; PRODUCTION INCREASE; FARM INCOME; ECONOMIC ANALYSIS; SUMATRA.

E50 RURAL SOCIOLOGY AND SOCIAL SECURITY / SOSIOLOGI PEDESAAN DAN KEAMANAN SERTA KESEJAHTERAAN

0045 BUDHISANTOSA, S. [Farmers and its culture]. Petani padi dan tradisinya / Budhisantosa, S. (Universitas Indonesia (Indonesia)). [Rice Culture]. Budidaya Padi/Syam, M.; Sadjad, S.; Hermanto (eds.) Yayasan Padi Indonesia. Jakarta (Indonesia): Yayasan Padi Indonesia, 2001 p. 18-32 Summary (En)

RICE; FARMERS; CULTURAL BEHAVIOUR; TECHNOLOGY; SOCIO-ECONOMIC DEVELOPMENT; ADAPTATION.

0646 SOENTORO. Influence of culture on the adoption of new technology. Pengaruh budaya terhadap adopsi teknologi baru / Soentoro (Pusat Penelitian dan Pengembangan Sosial dan Ekonomi Pertanian, Bogor (Indonesia)). [Rice Culture]. Budidaya Padi/Syam, M.; Sadjad, S.; Hermanto (eds.) Yayasan Padi Indonesia. Jakarta (Indonesia): Yayasan Padi Indonesia, 2001 p. 46-58 2 tables.; 15 ref. Summary (En)

RICE; TECHNOLOGY; TECHNOLOGY TRANSFER; INNOVATION ADOPTION; CULTURAL BEHAVIOUR; HUMAN

BEHAVIOUR; SOCIAL INSTITUTIONS;
FARM EQUIPMENT.

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

0647 HASAN, M.F. An analysis of factors determining competitiveness: The case of the Indonesian palm oil industry / Hasan, M.F. (Badan Pengembangan Ekonomi dan Keuangan, Jakarta (Indonesia)); Reed, M.R.. Jurnal Agro Ekonomi (Indonesia) ISSN 0216-9053 (2001) v. 19(1) p. 1-17 4 ill., 2 tables.; 29 ref. Summaries (En, In)

PALM OILS; OILS INDUSTRY;
MARKETS; VALUE ADDED; EXPORTS;
ECONOMIC COMPETITION; PRO-
DUCTION COSTS; INDONESIA.

0648 HENDRATNO, S. [Development of BOKAR (rubber raw materials) marketing institution through auction market application]. Pengembangan kelembagaan pemasaran BOKAR (bahan olah karet) melalui penerapan pasar lelang/Hendratno, S.. Warta Pusat Penelitian Karet (Indonesia) ISSN 0852-8985 (1998) v. 17(1-3) p. 42-50 2 ill., 2 tables; 27 ref. Summary (In)

RUBBER; RAW MATERIALS; SMALL
FARMS; AUCTIONS; FARMERS
ASSOCIATIONS; COOPERATION;
MARKETING TECHNIQUES.

**E90 AGRARIAN STRUCTURE /
STRUKTUR AGRARIA**

0649 TJONDRONEGORO, S.M.P. Paddy : an expansive crop from East to West. Padi : tanaman ekspansif dari Timur ke Barat/ Tjondronegoro, S.M.P. (Institut Pertanian Bogor (Indonesia)). [Rice Culture]. Budidaya Padi/Syam, M.; Sadjad, S.; Hermanto (eds.) Yayasan Padi Indonesia. Jakarta (Indonesia): Yayasan Padi Indonesia, 2001 p. 11-17 1 table.; 5 ref. Summary (En)

ORYZA SATIVA; RICE; AGRICULTURAL
SECTOR; TECHNOLOGY; RURAL
COMMUNITIES; FARMERS;
TRADITIONAL FARMING.

**F01 CROP HUSBANDRY / PERTA-
NAMAN**

0650 BAKHRI, S. [Technology package application of shallots and potatoes in Central Sulawesi (Indonesia)]. Penerapan paket teknologi budidaya bawang merah dan kentang di Sulawesi Tengah/Bakhri, S.; Chatijah; Ardjanhar, A.; Kindangen, J.G. (Balai Pengkajian Teknologi Pertanian Biromaru, Palu (Indonesia)). [Proceedings of the Seminar on Technology Package Application in Central Sulawesi (Indonesia)]. Prosiding Aplikasi Paket Teknologi Pertanian Sulawesi Tengah/ Rangkuti, M.; Rusastra, IW.; Limbongan, J.; Slamet, M.; Syam, A. Bulu, D. (eds.) Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia). Bogor (Indonesia): Pusat Penelitian Sosial Ekonomi Pertanian, 2000 p. 37-46 7 tables.; 9 ref. Summary (In)

ALLIUM ASCALONICUM; SOLANUM
TUBEROSUM; TECHNOLOGY
TRANSFER; CULTIVATION; FARM
MANAGEMENT; PRODUCTION; YIELDS;
COST BENEFIT ANALYSIS; SULAWESI.

0651 BASRI, I.H. Energy and cost efficiency on several systems of lowland rice cultivation. Efisiensi tenaga kerja dan produksi pada beberapa sistem budidaya padi sawah/Basri, I.H. (Loka Pengkajian Teknologi Pertanian Puntikayu, Palembang (Indonesia)); Kari, Z.; Adrizal. [Proceeding of the 6th National Seminar on Conservation Tillage]. Prosiding Seminar Nasional VI: Budidaya Pertanian Olah Tanah Konservasi/Irfan, Z.; Lamid, Z.; Jahja, D.; Irawati; Ardi (eds.) . Padang (Indonesia): Himpunan Ilmu Gulma Indonesia, 1998. Prosiding Seminar Nasional VI Budidaya Pertanian Olah Tanah Konservasi (Indonesia) ISSN 0216-8308 (1998) (no.6) p. 489-492 2 tables; 10 ref. Summary (En)

IRRIGATED RICE; CULTIVATION;
DIRECT SOWING; FARMING SYSTEMS;
PRODUCTION INCREASE; LABOUR.

0652 BROTO, W. Response of *Mangifera indica* cv, Gedong on the use of acetaldehyde as ripening stimulant. Tanggapan mangga gedong terhadap penggunaan Asetaldehida sebagai pemacu pematangan/Broto, W. (Pusat Penelitian dan Pengembangan Hortikultura, Jakarta (Indonesia)). Jurnal Hortikultura (Indonesia) ISSN. 0853-7097 (2001) v. 11(3) p. 207-214 3 ill., 6 tables; 21 ref. Summaries (En,In)

MANGIFERA INDICA; MANGOES; VARIETIES; ACETALDEHYDE; RIPENING; ORGANOLEPTIC PROPERTIES.

0653 BUDIHARTO, B. [Direct sowing technology on lowland rice]. Teknologi tanam benih langsung (tabela) pada padi sawah/Budiharto, B.; Bahri, S.; Sutanto, A. (Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia)). [Report on the Appreciation Activity of Recommended Technologies Development]. Laporan Hasil Kegiatan Apresiasi Pengembangan Teknologi Rekomendasi/Budiharto, B.; Bahri, S.; Sutanto, A. Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia). Ungaran (Indonesia): BPTP, 2000 p. 1-10 6 tables; 3 ref.

FLOODED RICE; SEED; DIRECT SOWING; TILLAGE; SEED TREATMENT; IRRIGATION SYSTEMS; WEED CONTROL; GROWTH; YIELDS; ECONOMIC ANALYSIS.

0654 CANTRELL, R.P. Role of rice in Asia. Peranan padi di Asia/ Cantrell, R.P. (International Rice Research Institute, Los Banos (Philippine)). [Rice Culture]. Budidaya Padi/Syam, M.; Sadjad, S.; Hermanto (eds.) Yayasan Padi Indonesia. Jakarta (Indonesia): Yayasan Padi Indonesia, 2001 p. 1-10 Summary (In)

RICE; AGRICULTURAL POLICIES; RESEARCH INSTITUTIONS; RESEARCH POLICIES; PLANT BREEDING; ASIA.

0655 FAGI, A.M. The role of Indonesian rice as a genetic source of modern rice varieties. Peran padi Indonesia sebagai sumberdaya genetik padi modern/Fagi, A.M.; Abdullah, B.; Kartaatmadja, S. (Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia)). [Rice Culture]. Budidaya Padi/Syam, M.; Sadjad, S.; Hermanto (eds.) Yayasan Padi Indonesia. Jakarta (Indonesia): Yayasan Padi Indonesia, 2001 p. 33-43 1 ill., 4 tables.; 14 ref. Summary (En)

ORYZA SATIVA; PLANT GENETIC RESOURCES; MODERNIZATION; TECHNOLOGY TRANSFER; INNOVATION ADOPTION; HIGH YIELDING

VARIETIES; YIELDS; PRODUCTIVITY; INDONESIA.

0656 ISNAINI, S. Lowland rice cultural practice with no-tillage at Kedaloman, Talangpadang Lampung (Indonesia). Budidaya padi sawah dengan sistem tanpa olah tanah di Kedaloman, Talangpadang, Lampung/ Isnaini, S. (Sekolah Tinggi Pertanian Surya Dharma, Bandar Lampung (Indonesia)); Hermawan. [Proceeding of the 6th National Seminar on Conservation Tillage]. Prosiding Seminar Nasional VI: Budidaya Pertanian Olah Tanah Konservasi/ Irfan, Z.; Lamid, Z.; Jahja, D.; Irawati; Ardi (eds.) . Padang (Indonesia): Himpunan Ilmu Gulma Indonesia, 1998. Prosiding Seminar Nasional VI Budidaya Pertanian Olah Tanah Konservasi (Indonesia) ISSN 0216-8308 (1998) (no.6) p. 480-484 2 tables; 7 ref. Summary (En)

IRRIGATED RICE; LOWLAND; ZERO TILLAGE; GROWTH; YIELDS; ECONOMIC ANALYSIS; SUMATRA.

0657 KARTASASMITA, U.G. [Strategy of hybrid corn production increase on agribusiness perspective]. Strategi peningkatan produksi jagung hibrida dan perspektif agribisnis/Kartasasmita, U.G.; Ismail, I.E.; Partohardjono, S.; Hasanuddin, A. (Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia)). Berita Puslitbangtan (Indonesia) ISSN 0852-6230 (2001) (no. 22) p. 9-10 5 ref.

ZEA MAYS; HYBRIDS; PRODUCTION INCREASE; FARM MANAGEMENT; VARIETIES; AGROINDUSTRIAL SECTOR.

0658 KARYUDI. [Increasing conception for national rubber production by replanting and optimizing utilization of dry climatic land resources]. Konsepsi peningkatan produksi karet nasional melalui penanaman ulang dan optimasi pemanfaatan sumberdaya lahan beriklim kering/Karyudi; Darussamin, A.. [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian

dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999 p. 242-255 3 ill., 4 tables; 26 ref. Summary (In)

HEVEA BRASILIENSIS; FARMING SYSTEMS; PLANT PRODUCTION; PRODUCTIVITY; LAND RESOURCES; CLIMATOLOGY; GROWTH; YIELDS.

0659 NOVARIANTO, H. [High yielding coconut crops]. Kelapa unggul/ Novarianto, H.; Tenda, E.T.; Miftahorrahman; Mangindaan, H.F.; Djafar, M. (Balai Penelitian Tanaman Kelapa dan Palma Lain, Manado (Indonesia)). [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian dan Pengembangan Tanaman Peerkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999 p. 132-144 Summary (In)

COCOS NUCIFERA; PLANT PRODUCTS; HIGH YIELDING VARIETIES; VARIETIES; HYBRIDS; PRODUCTIVITY; YIELDS.

0660 POLNAJA, C.M. [Rejuvenation, rehabilitation and diversification of coconut plantation]. Peremajaan, rehabilitasi dan diversifikasi pertanaman kelapa/Polnaja, C.M. (Balai Penelitian Tanaman Kelapa dan Palma lain, Manado (Indonesia)). [Proceedings of the Seminar on Agricultural Technology Package Application in Central Sulawesi (Indonesia)]. Prosiding Seminar Aplikasi Paket Teknologi Pertanian Sulawesi Tengah/Hasni, H.; Limbongan, J.; Slamet, M.; Bulu, D. (eds) Balai Pengkajian Teknologi Pertanian Biromaru, Palu (Indonesia). Palu (Indonesia): BPTP Biromaru, 1999 p. 64-75 7 tables; 15 ref.

COCOS NUCIFERA; DIVERSIFICATION; GROWTH; YIELDS; CROPPING SYSTEMS; PRODUCTION POSSIBILITIES.

0661 SABARI, S.D. Lanching technique improvement and preservation of fresh papaya

latex for papain production. Perbaikan teknologi penyadapan dan pengawetan getah pepaya segar untuk produksi papain/ Sabari, S.D.; Broto, W.; Pratikno, S. (Pusat Penelitian dan Pengembangan Hortikultura, Jakarta (Indonesia)); Mulyani, T.; Yuni, S.. Jurnal Hortikultura (Indonesia) ISSN. 0853-7097 (2001) v. 11(3) p. 196-206 5 tables; 27 ref. Summaries (En,In)

CARICA PAPAYA; LATEX; TAPPING; TECHNOLOGY; EQUIPMENT.

0662 SUMARNI, N. Effect of plant density and nutrient solution formula on shallot-set production from true shallot seed (TSS) in hydroponic aggregate culture. Pengaruh kerapatan tanaman dan jenis larutan hara terhadap produksi umbi mini bawang merah asal biji dalam kultur agregat hidroponik/ Sumarni, N.; Rosliani, R.; Suwandi (Balai Penelitian Tanaman Sayuran, Lembang (Indonesia)). Jurnal Hortikultura (Indonesia) ISSN. 0853-7097 (2001) v. 11(3) p. 163-169 3 ill., 3 tables; 12 ref. Summaries (En,In)

ALLIUM ASCALONICUM; SPACING; PLANT POPULATION; NUTRIENT SOLUTIONS; SEED; NPK FERTILIZERS; HYDROPONICS; GROWTH; YIELDS

0663 TEJASARWANA, R. Effect of growing media and nutrient formulas on yield and quality of rose cut flowers. Pengaruh media tanam dan formula nutrisi terhadap hasil dan kualitas bunga mawar potong/ Tejasarwana, R.; Sutater, T. (Balai Penelitian Tanaman Hias, Cipanas Cianjur (Indonesia)). Jurnal Hortikultura (Indonesia) ISSN. 0853-7097 (2001) v. 11(3) p. 155-162 3 tables; 15 ref. Summaries (En,In)

ROSA; GROWING MEDIA; GROWTH YIELDS; QUALITY; FERTILIZER APPLICATION.

0664 TOMBE, M. [Use of *Fusarium oxysporum* non-patogenic (Fo.NP) to obtain non patogenic stem rot diseases vanilla seedling]. Penggunaan *Fusarium oxysporum* non patogenik (Fo.NP) untuk memperoleh bibit panili yang bebas patogen BBP/Tombe, M.; Zulhisnain, S.; Toufik, E. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology

application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999 p. 152-159 1 table; 12 ref. Summary (In)

VANILLA PLANIFOLIA; FUSARIUM OXYSPORUM; SEEDLINGS; DISEASE CONTROL; VERTICILLIUM; PATHOGENS; CULTIVATION; SEEDS; VEGETATIVE PROPAGATION; FARM MANAGEMENT; DISEASE RESISTANCE.

F02 PLANT PROPAGATION / PERBANYAKAN TANAMAN

0665 LIMBONGAN, J. [Application of clonalization technique on cacao in Central Sulawesi (Indonesia)]. Penerapan teknik klonalisasi pada tanaman kakao di Sulawesi Tengah/Limbongan, J. (Balai Pengkajian Teknologi Pertanian Biromaru, Palu (Indonesia)). [Proceedings of the Seminar on Technology Package Application in Central Sulawesi (Indonesia)]. Prosiding Aplikasi Paket Teknologi Pertanian Sulawesi Tengah/Rangkuti, M.; Rusastra, IW.; Limbongan, J.; Slamet, M.; Syam, A.; Bulo, D. (eds.) Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia). Bogor (Indonesia): Pusat Penelitian Sosial Ekonomi Pertanian, 2000 p. 47-55 7 tables.; 11 ref. Summary (In)

THEOBROMA CACAO; CLONES; PRODUCTIVITY; BUDDING; VEGETATIVE PROPAGATION; GROWTH; AGRONOMIC CHARACTERS; COST BENEFIT ANALYSIS; YIELDS; SULAWESI.

0666 MAHFUDZ. [Selection of Palu local jack fruit parental trees as scion source for seedlings production]. Seleksi pohon induk nangka lokal Palu sebagai sumber entris untuk produksi bibit secara vegetatif/Mahfudz; Tambing, Y. (Universitas Tadulako, Palu (Indonesia).Fakultas Pertanian); Limbongan, J.; Khairani, C.. Jurnal Agroland (Indonesia) ISSN 0854-641X (2001) v. 8(3) p. 294-300 4 tables; 9 ref. Summaries (En,In)

ARTOCARPUS HETEROPHYLLUS; SCIONS; SELECTION; PRODUCTION; SEED; VEGETATIVE PROPAGATION; SULAWESI.

0667 NIRMALA, R. Selection and regeneration of tomato (*Lycopersicon esculentum* Mill.) callus tolerance to aluminium. Seleksi dan regenerasi kalus tomat (*Lycopersicon esculentum* Mill.) toleran aluminium/Nirmala, R. (Universitas Mulawarman, Samarinda (Indonesia). Fakultas Pertanian). Jurnal Budidaya Pertanian (Indonesia) ISSN. 0852-287X (Sep. 2000) v. 6(2) p. 65-71 3 tables; 6 reff. Summary (En)

LYCOPERSICON ESCULENTUM; CALLUS CULTURE; SELECTION; REGENERATION; ALUMINIUM; TOLERANCE; VITROPLANTS.

0668 SURYADI, R. [Providing highly potential production cashew seeding by using grafting technique]. Penyediaan bahan tanaman jambu mente berpotensi produksi tinggi melalui penyambungan/Suryadi, R.; Zaubin, R. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999 p. 145-151 14 ref. Summary (In). Appendix

ANACARDIUM OCCIDENTALE; GRAFTING; SEEDLINGS; PRODUCTIVITY; SCIONS; ROOTSTOCKS; YIELDS; LAND SUITABILITY; CLIMATIC FACTORS.

0669 YELNITITIS. *In vitro* conservation of black pepper (*Piper nigrum* L.). Konservasi tanaman lada (*Piper nigrum* L.) secara *in vitro*/Yelnititis; Bermawie, N. (Balai Penelitian Rempah dan Obat, Bogor (Indonesia)). Jurnal Penelitian Tanaman Industri (Indonesia) ISSN 0853-8212 (Sep

2001) v. 7(3) p. 88-92 2 ill., 2 tables; 16 ref. Summaries (En,In)

PIPER NIGRUM; GERMPLOSM CONSERVATION; IN VITRO CULTURE; PACLOBUTRAZOL.

F03 SEED PRODUCTION / PRODUKSI DAN PERLAKUAN TERHADAP BIJI DAN BENIH

0670 BUDIHARTO, B. [Seed production technology of maize var. Bisma]. Teknologi perbanyak benih jagung Bisma/Budiharto, B.; Bahri, S.; Sutanto, A. (Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia)). [Report on the Appreciation Activity of Recommended Technologies Development]. Laporan Hasil Kegiatan Apresiasi Pengembangan Teknologi Rekomendasi/Budiharto, B.; Bahri, S.; Sutanto, A. Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia). Ungaran (Indonesia): BPTP, 2000 p. 1-7 4 tables; 7 ref.

ZEA MAYS; VARIETIES; SEED PRODUCTION; SEED TREATMENT; SEED STORAGE; SEED TESTING; SEED CERTIFICATION; YIELD COMPONENTS; SEED; QUALITY.

0671 IMRAN, A.K.S. Analysis of rice (*Oryza sativa*, L.) seed vigor on a field covered by coarse grass. Analisis vigor benih padi (*Oryza sativa*, L.) pada lahan alang-alang/Imran, A.K.S.; Syamsuddin; Effendi (Universitas Syiah Kuala Banda Aceh (Indonesia)). Jurnal Agrista (Indonesia) ISSN. 1410-3389 (2002) v. 6(1) p. 81-86 5 ref. Summary (En)

ORYZA SATIVA; SEED CHARACTERISTICS; VIGOUR; ALLELOPATHY EXPERIMENTATION.

F04 FERTILIZING / PEMUPUKAN

0672 ADELINA, E. [Effect of low dosage of Nitrogen and Phosphate fertilizers on the production of groundnut seed planted after paddy rice]. Produksi benih kacang tanah yang diberi Nitrogen secara bertahap dan Fosfor dosis rendah setelah padi sawah/Adelina, E.; Saleh, M.S.; Nuraeni (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Agroland (Indonesia) ISSN 0854-641X (2001) v. 8(3) p. 272-277 5 tables; 8 ref. Summaries (En,In)

ARACHIS HYPOGAEA; NITROGEN FERTILIZERS; PHOSPHATE FERTILIZERS; SEED PRODUCTION; APPLICATION METHODS; APPLICATION RATES.

0673 ANWAR, K. [Fertilizer application on increasing maize yield in peat soils]. Pengelolaan hara untuk meningkatkan hasil jagung di lahan gambut dangkal/Anwar, K.; Alwi, M. (Balai Penelitian Tanaman Rawa, Banjarbaru (Indonesia)). [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 373-383 9 tables; 16 ref. Summary (In)

ZEA MAYS; PRODUCTION INCREASE; PEAT SOILS; LIMING; NITROGEN FERTILIZERS; PHOSPHATE FERTILIZERS; POTASH FERTILIZERS; YIELDS.

0674 ARIBAWA, I.B. [Effect of lime and phosphate fertilizers on soil chemophysical characteristic alteration, water quality and rice yield in acid sulphate soils]. Pengaruh kapur dan fosfat terhadap perubahan sifat kimia tanah, kualitas air dan hasil padi pada lahan tidur tanah sulfat masam./Aribawa, I.B. (Pusat Penelitian Tanah dan Agroklimat, Bogor (Indonesia)). [Food crops management in swamp lands]. Pengelolaan tanaman pangan lahan rawa/Prayudi, B.; Sabran, M.; Noor, I.; Ar-Riza, I.; Partohardjono, S.; Hermanto (eds.) Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia). Banjarbaru (Indonesia): BALITTRA, 2000 p. 369-376 5 tables; 12 ref. Summary (In)

ORYZA SATIVA; PHOSPHATE FERTILIZERS; LIMING; CHEMOPHYSICAL PROPERTIES; WATER QUALITY; GROWTH; YIELDS; ACID SULPHATE SOILS.

0675 INDRAYATI, L. [Rice straw management on rice field in acid sulphate tidal swampland]. Pengelolaan jerami pada pertanaman padi di lahan pasang surut sulfat masam/Indrayati, L.; Jumberi, A. (Balai

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ORYZA SATIVA; RICE STRAW; CROPS RESIDUES; COMPOSTS; ACID SULPHATE SOILS; SOIL CHEMICO-PHYSICAL PROPERTIES; GROWTH; YIELDS; CENTRAL KALIMANTAN.

0676 ISMAIL, I. [Alternative K nutrient source and K substituted by Na on sugarcane cultivation]. Sumber K alternatif dan substitusi K oleh Na pada pertanaman tebu/Ismail, I.; Lestari, H. (Pusat Penelitian Perkebunan Gula Indonesia, Pasuruan (Indonesia)). [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999 p. 264-275 9 tables; 21 ref. Summary (In)

SACCHARUM OFFICINARUM; POTASSIUM CHLORIDE; POTASH FERTILIZERS; SODIUM CHLORIDE; FERTILIZER APPLICATION; PRODUCTION; YIELDS.

0677 JULIADI, I. [Efficiency of Nitrogen fertilization using SPAD method on rice]. Effisiensi pemupukan Nitrogen menggunakan metode SPAD pada tanaman padi/Juliadi, I.; Abdulrachman (Balai Penelitian Tanaman Padi, Sukamandi (Indonesia)). Berita Puslitbangtan (Indonesia) ISSN 0852 6230 (2001) (no. 21) p. 3-4 1 tables; 5 ref.

ORYZA SATIVA; FERTILIZER APPLICATION; APPLICATION METHODS; NITROGEN FERTILIZERS; EFFICIENCY; YIELDS.

0678 JULIARDI, I. [Utilization of zeolite and neomineralin on rice]. Manfaat zeolit dan neomineralin pada tanaman padi/Juliardi, I.; Abdulrahman, S. (Balai Penelitian Tanaman Padi, Sukamandi (Indonesia)). Berita Puslitbangtan (Indonesia) ISSN 0852-6230 (2001) (no. 22) p. 4 1 ill., 1 table; 2 ref.

ORYZA SATIVA; EFFICIENCY; FERTILIZER APPLICATION; YIELDS; ZEOLITES; INORGANIC FERTILIZERS.

0679 KASNO, A. Effects of fertilization and irrigation on Eh, pH, Fe and P availability, and rice yield of new lowland rice field. Pengaruh pemupukan dan pengairan terhadap Eh, pH, ketersediaan P dan Fe, serta hasil padi pada tanah sawah bukaan baru/Kasno, A.; Sulaeman; Mulyadi (Pusat Penelitian Tanah dan Agroklimat, Bogor (Indonesia)). Jurnal Tanah dan Iklim (Indonesia) ISSN 1410-7244 (1999) (No. 17) p. 72-81 9 ill., 5 tables; 19 ref. Summaries (En,In)

ORYZA SATIVA; NPK FERTILIZERS; APPLICATION RATES; ORGANIC MATTER; IRRIGATION; FERTILIZER APPLICATION; REDOX POTENTIAL; SOIL PH; NUTRIENT AVAILABILITY; SOIL FERTILITY; IRON; PLANT RESPONSE; PRODUCTION INCREASE.

0680 NOOR, R. [Effect of alternative fertilizer on growth and yield of rice in potential soils]. Pengaruh macam pupuk alternatif terhadap pertumbuhan dan hasil padi di lahan potensial/Noor, R. (Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia)). [Food crops management in swamp lands]. Pengelolaan tanaman pangan lahan rawa/Prayudi, B.; Sabran, M.; Noor, I.; Ar-Riza, I.; Partohardjono, S.; Hermanto (eds.) Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia). Banjarbaru (Indonesia): BALITTRA, 2000 p. 363-368 3 tables; 5 ref. Summary (In)

ORYZA SATIVA; ORGANIC FERTILIZERS; BIOFERTILIZERS; YIELDS; SWAMPS.

0681 SUBANDI. [Alternative fertilizers]. Pupuk alternatif/Subandi. [Proceedings of the Seminar on Agricultural Technology Package Application in Central Sulawesi (Indonesia)]. Prosiding Seminar Aplikasi Paket Teknologi

Pertanian Sulawesi Tengah/Hasni, H.; Limbongan, J.; Slamet, M.; Bulu, D. (eds) Balai Pengkajian Teknologi Pertanian Biromaru, Palu (Indonesia). Palu (Indonesia): BPTP Biromaru, 1999 p. 1-12 6 tables; 8 ref.

FOODS CROPS; FERTILIZERS; CHEMICAL COMPOSITION; EFFICIENCY; PRICES; COST BENEFIT ANALYSIS.

0682 SUFARDI. Availability index of phosphorus on corn (*Zea mays* L.) due to organic matter and lime amelioration's. Indeks ketersediaan fosfor pada jagung (*Zea mays* L.) akibat ameliorasi bahan organik dan kapur/Sufardi (Universitas Syiah Kuala, Banda Aceh (Indonesia). Fakultas Pertanian). Jurnal Agrista (Indonesia) ISSN 1410-3389 (2001) v. 5(3) p. 204-214 4 ill., 2 tables; 30 ref. Summary (En)

ZEA MAYS; PHOSPHORUS; ORGANIC FERTILIZERS; LIMES; APPLICATION RATES; NUTRIENT UPTAKE; NUTRIENT AVAILABILITY.

0683 SUNARPI. [Effect of nitrogen and sulphur fertilizers on growth and yield of soybean plants]. Pengaruh pemberian Nitrogen dan Sulfur terhadap pertumbuhan dan hasil tanaman kedelai / Sunarpi (Universitas Mataram (Indonesia). Fakultas Pertanian). Oryza (Indonesia) ISSN 0125-169X (2002) v. 2(1) p. 20-32 5 tables; 17 ref. Summaries (En;In)

GLYCINE MAX; NITROGEN FERTILIZERS; SULPHUR FERTILIZERS; GROWTH; ABSORPTION; NUTRIENT UPTAKE; PLANT RESPONSE; YIELD INCREASE.

0684 SUPING, S. [Prospect of natural phosphat as SP-36 substitute in acid sulphate soils]. Prospek P-alam sebagai pengganti SP-36 di lahan sulfat masam/Suping, S.; Ardi, D.S.; Hartatik, W. (Pusat Penelitian Tanah dan Agroklimat, Bogor (Indonesia)). [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor

(Indonesia): PUSLITBANGTAN, 2000 p. 433-440 5 tables; 8 ref. Summary (En;In)

ACID SOILS; PHOSPHATE FERTILIZERS; TIDES; PRODUCTION INCREASE; SOIL MANAGEMENT; WATER MANAGEMENT.

0685 THAHA, A.M.A.R. [Changes of chemical properties of Ultisol soil after bokashi application in Kulawi, Aceh (Indonesia)]. Perubahan sifat kimia tanah Ultisol Kulawi akibat pemberian bokashi/Thaha, A.M.A.R. (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Agroland (Indonesia) ISSN 0854-641X (2001) v. 8(3) p. 253-259 2 ill., 2 tables; 12 ref. Summaries (En;In)

ACEH; ACRISOLS; SOIL CHEMICO PHYSICAL PROPERTIES; SOIL TREATMENT; PH; BIO FERTILIZERS.

F06 IRRIGATION / IRIGASI

0686 BASRI, H. Tank model simulation for analysing the water discharges of paddy field system. Simulasi tank model untuk menganalisa debit air sistem lahan padi/Basri, H. (Universitas Syiah Kuala, Banda Aceh (Indonesia). Fakultas Pertanian). Jurnal Agrista (Indonesia) ISSN 1410-3389 (2001) v. 5(3) p. 215-224 13 ill., 1 table; 6 ref. Summary (In)

RICE FIELDS; IRRIGATION; WATER MANAGEMENT; TANKS; SIMULATION; MODELS.

0687 HARAHAHAP, I.Y. Estimation of water requirement for oil palm growth in the field and its application to the development of irrigation system . Pendugaan kebutuhan air untuk pertumbuhan kelapa sawit di lapangan dan aplikasinya dalam pengembangan sistem irigasi/ Harahap, I.Y.; Darmosarkoro, W.. Jurnal Penelitian Kelapa Sawit (Indonesia) ISSN 0853 - 196X (1999) v. 7(2) p. 87 - 104 4 ill., 3 tables; 13 ref. Summaries (En;In)

ELAEIS GUINEENSIS; WATER REQUIREMENTS; GROWTH; IRRIGATION SYSTEMS; TRANSPIRATION;EVAPOTRANSPIRATION; LEAF AREA INDEX.

0688 RAIHAN, S. [Effect of water critical phase on corn growth on Organosol soils]. Pengaruh fase kritis air terhadap pertumbuhan jagung pada tanah Organosol/Raihan, S. (Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia)). [Food Crops Management in Swamp Lands]. Pengelolaan Tanaman Pangan Lahan Rawa/Prayudi, B.; Sabran, M.; Noor, I.; Ar-Riza, I.; Partohardjono, S.; Hermanto (eds.) Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia). Banjarbaru (Indonesia): BALITTRA, 2000 p. 377-381 4 tables; 9 ref. Summary (In

ZEA MAYS; PLANT WATER RELATION; IRRIGATION; GROWTH; YIELDS; ORGANIC SOILS.

F07 SOIL CULTIVATION / PENGO-LAHAN TANAH

0689 ADRIZAL. Comparative advantage of zero tillage technique applied glyphosate herbicide on lowland rice. Keunggulan komparatif teknik budidaya tanpa olah tanah dengan herbisida glifosat pada padi sawah/Adrizal; Lamid, Z.; Hasan, N. (Balai Pengkajian Teknologi Pertanian Sukarami (Indonesia)); Hermawan, W.. [Proceeding of the 6th National Seminar on Conservation Tillage]. Prosiding Seminar Nasional VI: Budidaya Pertanian Olah Tanah Konservasi/Irfan, Z.; Lamid, Z.; Jahja, D.; Irawati; Ardi (eds.) . Padang (Indonesia): Himpunan Ilmu Gulma Indonesia, 1998. Prosiding Seminar Nasional VI Budidaya Pertanian Olah Tanah Konservasi (Indonesia) ISSN 0216-8308 (1998) (no.6) p. 475-479 3 tables; 13 ref. Summary (En)

IRRIGATED RICE; LOWLAND; CULTIVATION; ZERO TILLAGE; GLYPHOSATE; HERBICIDES; PLANT PERFORMANCE; ECONOMIC ANALYSIS.

0690 HANDAKA. [Soil dynamic and its effect on the selection of tillage equipment and machine in tidal land]. Dinamika tanah dan pengaruhnya terhadap seleksi alat dan mesin pengolahan lahan pasang surut/Handaka; Budiman; Harjono; (Balai Besar Pengembangan Alat dan Mesin Pertanian, Serpong (Indonesia)); Siswanto, A.B.. [Proceedings of National the Seminar on Research and Development of Swamp Land :

book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Book 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 495-503 6 tables; 6 ref. Summary (In

SOIL MECHANICS; TILLAGE; TILLAGE EQUIPMENT; TRACTORS; TIDES.

0691 SIMATUPANG, R.S. Land preparation method as soil conservation effort on rice culture in Kalimantan tidal wetland area.. Cara penyiapan lahan sebagai upaya konservasi tanah pada budidaya padi di lahan rawa pasang surut Kalimantan/Simatupang,R.S.; Indrayati, L.; Sardjijo (Balai Penelitian Tanaman Pangan Lahan Rawa, Banjar Baru (Indonesia)). [Proceeding of the 6th National Seminar on Conservation Tillage]. Prosiding Seminar Nasional VI: Budidaya Pertanian Olah Tanah Konservasi/Irfan, Z.; Lamid, Z.; Jahja, D.; Irawati; Ardi (eds.) . Padang (Indonesia): Himpunan Ilmu Gulma Indonesia, 1998. Prosiding Seminar Nasional VI Budidaya Pertanian Olah Tanah Konservasi (Indonesia) ISSN 0216-8308 (1998) (no.6) p. 166-174 5 tables; 18 ref. Summary (En)

ORYZA SATIVA; TILLAGE; SOIL CONSERVATION; TIDES; NITROGEN FERTILIZERS; APPLICATION RATES; HERBICIDES; YIELDS; KALIMANTAN.

0692 TJOKROWARDOJO, A.S. Management for Bonorowo area Wlingi field with no-tillage system on lowland rice in Purworejo district Central Java. Pengelolaan lahan Bonorowo padang Wlingi melalui sistem TOT padi sawah di Kabupaten Purworejo, Jawa Tengah./Tjokrowardojo, A.S. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)); Arifin, M.; Soewardjo. [Proceeding of the 6th National Seminar on Conservation Tillage]. Prosiding Seminar Nasional VI: Budidaya Pertanian Olah Tanah Konservasi/Irfan, Z.; Lamid, Z.; Jahja, D.; Irawati; Ardi (eds.) . Padang (Indonesia): Himpunan Ilmu Gulma Indonesia, 1998. Prosiding Seminar Nasional VI Budidaya Pertanian Olah Tanah Konservasi (Indonesia)

ISSN 0216-8308 (1998) (no.6) p. 351-355 13 ref. Summary (En)

IRRIGATED RICE; ZERO TILLAGE; LOWLAND; LAND MANAGEMENT; JAVA.

0693 WINARDI. Conservation tillage and herbicide use on dryland acid soil: farmer's and research experiences. Olah tanah konservasi dan pemakaian herbisida pada lahan kering masam: pengalaman dalam penelitian dan pengalaman dari petani/Winardi (Balai Pengkajian Teknologi Pertanian Sukarami (Indonesia)). [Proceeding of the 6th National Seminar on Conservation Tillage]. Prosiding Seminar Nasional VI: Budidaya Pertanian Olah Tanah Konservasi/Irfan, Z.; Lamid, Z.; Jahja, D.; Irawati; Ardi (eds.) . Padang (Indonesia): Himpunan Ilmu Gulma Indonesia, 1998. Prosiding Seminar Nasional VI Budidaya Pertanian Olah Tanah Konservasi (Indonesia) ISSN 0216-8308 (1998) (no.6) p. 493-495 10 ref. Summary (En)

FOODS CROPS; CONSERVATION TILLAGE; HERBICIDES; DRY FARMING; ACID SOILS; FARMERS.

0694 YUNUS, Y. Track of moldboard plow at various soil water contents on some soil physical properties and tractor work capacity. Lintasan bajak singkal pada berbagai kadar air tanah terhadap beberapa sifat fisik tanah dan kapasitas kerja traktor/Yunus, Y. (Universitas Syiah Kuala Banda Aceh (Indonesia)). Jurnal Agrista (Indonesia) ISSN. 1410-3389 (2002) v. 6(1) p. 31-38 2 tables; 9 ref. Summary (En)

TRACK LAYING TRACTORS; MOISTURE CONTENT; SOIL CHEMICOPHYSICAL PROPERTIES; DRAINAGE; SOIL DENSITY; POROSITY; WORK CAPACITY.

F08 CROPPING PATTERNS AND SYSTEMS / POLA TANAM DAN SISTEM PENANAMAN

0695 AGUSWARMAN. Effects of landforms and cropping systems on the erosion risk at transmigration area Sitiung IV. Pengaruh bentuk lahan dan pola tanam terhadap risiko erosi di lokasi transmigrasi Sitiung

IV/Aguswarman (Balai Pengkajian Teknologi Pertanian Sukarami (Indonesia)) ; Trebuil, G.. [Proceeding of the 6th National Seminar on Conservation Tillage]. Prosiding Seminar Nasional VI: Budidaya Pertanian Olah Tanah Konservasi/Irfan, Z.; Lamid, Z.; Jahja, D.; Irawati; Ardi (eds.) . Padang (Indonesia): Himpunan Ilmu Gulma Indonesia, 1998. Prosiding Seminar Nasional VI Budidaya Pertanian Olah Tanah Konservasi (Indonesia) ISSN 0216-8308 (1998) (no.6) p. 141-147 8 tables; 4 ref. Summary (En)

CROPS; CROPPING SYSTEMS; EROSION; RAIN.

0696 ALLORERUNG, D. [Coconut rejuvenation technology with polyculture conception]. Teknologi peremajaan kelapa berwawasan pertanian campuran/ Allorerung, D.; Barri, N.L.; Tampake, H. (Balai Penelitian Tanaman Kelapa dan Palma Lain, Sukabumi (Indonesia)). [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999 p. 207-222 4 tables; 20 ref. Summary (In)

COCOS NUCIFERA; MIXED CROPPING FARM MANAGEMENT; FARM INCOME; PRODUCTIVITY; REGENERATION; TECHNOLOGY; SPACING; ECONOMIC ANALYSIS.

0697 BUDIHARTO, B. [Intercropping pattern of *Kaempferia galanga* L. with maize and peanuts]. Pola tanam tumpangsari kencur dengan tanaman jagung dan kacang tanah/Budiharto, B.; Bahri, S.; Sutanto, A. (Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia)). [Report on the Appreciation Activity of Recommended Technologies Development]. Laporan Hasil Kegiatan Apresiasi Pengembangan Teknologi Rekomendasi/ Budiharto, B.; Bahri, S.; Sutanto, A. Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia). Ungaran (Indonesia): BPTP, 2000 p. 1-6 4 tables; 11 ref.

KAEMPFERIA; ZEA MAYS; ARACHIS HYPOGAEA; MONOCULTURE; MULTIPLE CROPPING; SEED TREATMENT; SPACING; FERTILIZER APPLICATION; HARVESTING DATE; ECONOMIC ANALYSIS.

0698 SAHID, M. [Intercropping cotton, fibre plant, castor oil plant with catch crops]. Tumpangsari kapas, serat batang, dan jarak dengan palawija/Sahid, M.; Sastrosupadi, A.; Soenardi (Balai Penelitian Tembakau dan Tanaman Serat, Malang (Indonesia)). [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999 p. 187-198 5 tables; 11 ref. Summary (In)

GOSSYPIUM HIRSUTUM; RICINUS COMMUNIS; HIBISCUS CANNABINUS; CORCHORUS CAPSULARIS; CATCH CROPS; FARM MANAGEMENT; YIELDS; MULTIPLE CROPPING; COST BENEFIT ANALYSIS.

0699 SUDJARMOKO, B. [Economical efficiency on coconut cropping system]. Efisiensi ekonomi pada pola tanam kelapa/Sudjarmoko, B.; Listiyati, D.; Tampake, H. (Loka Penelitian Polatanam Kelapa Pakuwon, Sukabumi (Indonesia)). [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999 p. 199-206 4 tables; 20 ref. Summary (In)

COCOS NUCIFERA; CATCH CROPPING; CROP MANAGEMENT; FARM

MANAGEMENT; EFFICIENCY; FARM INCOME; YIELDS.

0700 WARDIANA, E. [Yield stability of peanut as mix crops that planted under coconut cropping system with the other intercrops]. Stabilitas hasil kacang tanah sebagai tanaman sela campuran pada polatanam kelapa dengan tanaman sela lain/Wardiana, E. (Loka Penelitian Polatanam Kelapa Pakuwon, Sukabumi (Indonesia)). Habitat (Indonesia) ISSN 0853-5167 (2000) v. 11(112) p. 138-146 4 tables; 14 ref. Summaries (En, In)

ARACHIS HYPOGAEA; COCOS NUCIFERA; ANNUALS; INTER-CROPPING; MONOCULTURE; CROP MANAGEMENT; STABILITY; YIELDS.

F30 PLANT GENETICS AND BREEDING / GENETIKA DAN PEMULIAAN TANAMAN

0701 DARLIAH. Genetic variability, heritability, and phenotypic performance of 18 clones in Cipanas. Variabilitas genetik, heritabilitas, dan penampilan fenotipik 18 klon mawar di Cipanas/ Darliah; Handayani, W.; Sutater, T.; (Balai Penelitian Tanaman Hias, Cipanas Cianjur (Indonesia)); Suprihatin, I.; Herawati, T.; Vries, D.P.D. . Jurnal Hortikultura (Indonesia) ISSN. 0853-7097 (2001) v. 11(3) p. 148-154 3 tables; 10 ref. Summaries (En,In)

ROSA; CLONES; GENETIC VARIATION; HERITABILITY; PHENOTYPES; CROP PERFORMANCE; JAVA.

0702 EFENDI. Transformation of soybean with LEA gene: I. Production and analysis of the transgenic plants. Transformasi kedelai dengan gen LEA : I. produksi dan analisis tanaman transgenik/Effendi (Universitas Syiah Kuala, Banda Aceh (Indonesia). Fakultas Pertanian). Jurnal Agrista (Indonesia) ISSN 1410-3389 (2001) v. 5(3) p. 260-265 4 ill., 1 table; 13 ref. Summary (In)

GLYCINE MAX; TRANSGENIC PLANTS; AGROBACTERIUM TUMEFACIENS; INJECTION.

0703 ERFA, L. [Capability of nodulation and somatic embryogenesis on some cultivars and male explant position of bananas]. Kemampuan pembentukan nodul dan embrio somatik pada beberapa kultivar dan posisi eksplan bunga jantan pisang/Erfa, L. (Politeknik Pertanian Negeri, Bandar Lampung (Indonesia)). *Jurnal Agroland (Indonesia)* ISSN 0854-641X (2001) v. 8(4) p. 349-356 5 ill., 12 ref. Summaries (En,In)

MUSA PARADISIACA; VARIETIES; ROOT NODULATION; SOMATIC EMBRYOGENESIS; CALLUS; FLOWERS; EXPLANTS.

0704 HANARIDA, S.I. Linkage of DNA markers with tolerance to iron toxicity in rice. Keterpautan marka DNA dengan sifat toleran terhadap keracunan besi pada padi/Hanarida, S.I.; Sutrisno; Suhartini, T.; Sustiprijatno; Rianawati, S.; Trijatmiko, K.R.; Santoso, T.J. (Balai Penelitian Bioteknologi Tanaman Pangan, Bogor (Indonesia)). *Jurnal Bioteknologi Pertanian (Indonesia): Indonesian Journal of Agricultural Biotechnology* ISSN 0853-8360 (2001) v. 6(2) p. 22-28 3 ill., 2 tables; 13 ref. Summaries (En,In)

ORYZA SATIVA; GENETIC MARKERS; DNA; SOIL TOXICITY; IRON; RESISTANCE TO CHEMICALS; RFLP.

0705 HARJOSUDARMO, J. [Dot-ELISA technique to evaluate plant resistance to soybean stunt virus]. Teknik Dot-ELISA untuk evaluasi ketahanan tanaman terhadap virus kerdil kedelai/Harjosudarmo, J.; Asadi; Martoatmodjo, R.; Muhsin, M. (Balai Penelitian Bioteknologi Tanaman Pangan, Bogor (Indonesia))Nakana, M.; Sawahata, K.. *Berita Puslitbangtan (Indonesia)* ISSN 0852 6230 (2001) (no. 21) p. 9-10 2 tables; 3 ref.

SOYBEANS; DISEASE RESISTANCE; ELISA; PLANT VIRUSES; APHIS GLYCINES; HIGH YIELDING VARIETIES; EVALUATION.

0706 HASNAM. [High yielding cotton varieties for intensification]. Varietas-varietas unggul kapas untuk intensifikasi/Hasnam; Sumartini, S.; Indrayani, I G.A.A.; Ibrahim, N.; Kadarwati, F.T.; Riajaya, P.D.; Supriyono (Balai Penelitian Tembakau dan Tanaman

Serat, Malang (Indonesia)). [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. *Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia)*. Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999 p. 115-123 5 tables; 4 ref. Summary (In)

GOSSYPIMUM HIRSUTUM; HIGH YIELDING VARIETIES; SEED PRODUCTION; INTENSIFICATION; MULTIPLE CROPPING; QUALITY; YIELDS; PEST RESISTANCE.

0707 HUMAIRIE, R. [Production of some rice promising lines on acid sulphate soil in tidal swamplands]. Daya hasil galur-galur padi di lahan pasang surut sulfat masam/Humairie, R.; Saleh, M. (Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia)). [Food crops management in swamp lands]. Pengelolaan tanaman pangan lahan rawa/Prayudi, B.; Sabran, M.; Noor, I.; Ar-Riza, I.; Partohardjono, S.; Hermanto (eds.) Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia)). Banjarbaru (Indonesia): BALITTRA, 2000 p. 307-311 3 tables; 4 ref. Summary (In)

ORYZA SATIVA; HIGH YIELDING VARIETIES; CROP YIELDS; GROWTH; ACID SULPHATE SOILS.

0708 HUMAIRIE, R. [Selected results of rice plant lines on potential tidal swamplands]. Hasil seleksi galur-galur padi di lahan pasang surut potensial/Humairie, R. (Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia)). [Food crops management in swamp lands] Pengelolaan tanaman pangan lahan rawa/Prayudi, B.; Sabran, M.; Noor, I.; Ar-Riza, I.; Partohardjono, S.; Hermanto (eds.) Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia)). Banjarbaru (Indonesia): BALITTRA, 2000 p. 323-328 2 tables; 8 ref. Summary (In)

ORYZA SATIVA; HIGH YIELDING VARIETIES; SELECTION; SWAMPS; GROWTH; KALIMANTAN.

0709 MIFTAHORRACHMAN. [Performance and stability of coconut var. dalam mapanget fruit component and its reciprocal]. Penampilan dan stabilitas komponen buah kelapa dalam mapanget nomor 32, 83 dan resiprokalnya/Miftahorrhachman (Balai Penelitian Tanaman Kelapa dan Palma Lain, Manado (Indonesia)). Buletin Palma (Indonesia) ISSN 0215-0646 2001 n.(27) p. 1-6 4 tables; 11 ref. Summary (In)

COCOS NUCIFERA; YIELDS; VARIETIES; STABILITY; CROP PERFORMANCE; ADAPTATION.

0710 NURYANI, Y. Evaluation of phenols and lignin in the root of hybrid patchouli (*Pogostemon cablin* Benth.) from protoplast fusion . Kandungan fenol dan lignin tanaman nilam hibrida (*Pogostemon* sp.) hasil fusi protoplas/Nuryani, Y.; Mustika, I.; Syukur, C. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). Jurnal Penelitian Tanaman Industri (Indonesia) ISSN 0853-8212 (Des 2001 v. 7(4) p. 104-107 14 ref. Summaries (En,In)

POGOSTEMON CABLIN; GENOTYPES; PROTOPLAST FUSION; PHENOLIC COMPOUNDS; LIGNINS; PEST RESISTANCE; NEMATODA.

0711 PUSAT PENELITIAN DAN PENGEMBANGAN BIOTEKNOLOGI, BOGOR. [Food biotechnology produce higher yield and nutritious food]. Bioteknologi pangan: menghasilkan pangan dengan hasil panen yang lebih tinggi dan bergizi/Pusat Penelitian dan Pengembangan Bioteknologi, Bogor (Indonesia). Warta Biotek (Indonesia) ISSN 0215-2835 (2000) v. 14(2) p. 4-7 1 table; 9 ref. Summary (In)

FOOD CROPS; GENOTYPES; FOOD SAFETY; NUTRITIVE VALUE; YIELDS; GENETIC ENGINEERING; PLANT BIOTECHNOLOGY.

0712 RAHMAWATI, S. [Differential display mRNA fingerprinting: an approach to isolate specific gen on plant and its potential in agriculture sector]. Differential display mRNA fingerprinting: suatu pendekatan untuk mengisolasi gen spesifik pada tanaman dan potensinya di bidang pertanian/Rahmawati, S. (Pusat Penelitian dan Pengembangan

Bioteknologi, Bogor (Indonesia)). Warta Biotek (Indonesia) ISSN 0215-2835 (2000) v. 14(2) p. 8-13 1 ill., 1 table; 23 ref. Summary (In)

CROPS; RNA; DNA FINGERPRINTING; PCR; REVERSE TRANSCRIPTION; GENE EXPRESSION.

0713 SETIAWA, K. Drought tolerance of peanut: varietal differences of root system in relation to endogenous abscisic acid level. Kacang tanah tahan kering : perbedaan varietas dalam hal sistem perakaran yang berhubungan dengan kandungan endogenus asam absisat/Setiawa, K.(Universitas Syiah Kuala Banda Aceh (Indonesia)). Jurnal Agrista (Indonesia) ISSN. 1410-3389 (2002) v. 6(1) p. 56-62 2 tables; 27 ref. Summary (In)

ARACHIS HYPOGAEA; DROUGHT RESISTANCE; SELECTION; ROOT SYSTEMS; ABA.

0714 SRIYADI, B. [Selection of resistance of propellegitime series tea clones to blister blight]. Seleksi ketahanan klon teh seri propellegitim terhadap penyakit cacar teh/Sriyadi, B.; Astika, W.; Martosupono, M. (Pusat Penelitian Teh dan Kina Gambung, Bandung (Indonesia)). [Proceedings of the Supporting Papers of National Seminar on Biological Control]. Prosiding Makalah Pendukung Seminar Nasional Pengendalian Hayati/Mangoendihardjo, S.; Wagiman, F.X.; Mardihusodo, S.J. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Yogyakarta (Indonesia): UGM, 1997 p. 1-6 2 ill., 19 ref. Summary (In)

CAMELLIA SINENSIS; CLONES; SELECTION; DISEASE RESISTANCE; EXOBASIDIUM.

0715 SUARDI, D. [Performance of early-ripening rice promising line (IR 39357 and IR 53234)]. Penampilan galur padi IR 39357 dan IR 53234 berumur sangat genjah/Suardi, D. (Balai Penelitian Bioteknologi Tanaman Pangan, Bogor (Indonesia)). Berita Puslitbangtan (Indonesia) ISSN 0852-6230 (2001) (no. 22) p. 6-7 1 table; 4 ref.

ORYZA SATIVA; HIGH YIELDING VARIETIES; CROP PERFORMANCE; GROWTH; YIELDS.

0716 SUWARNO. [Research development of hybrid rice]. Perkembangan penelitian padi hibrida/Suwarno (Balai Penelitian Tanaman Padi, Sukamandi (Indonesia)). Berita Puslitbangtan (Indonesia) ISSN 0852-6230 (2001) (no. 21) p. 1-2 1 ill., 5 ref.

ORYZA SATIVA; HIGH YIELDING VARIETIES; HYBRIDS; INTRODUCED VARIETIES.

0717 SUWARSO. [High yielding tobacco varieties as the research result from the Research Institute for tobacco and fibre Crop]. Varietas unggul tembakau hasil penelitian Balittas/Suwarso; Rachman, F.; Rachman, S.K.A.; Herwati, A. (Balai Penelitian Tembakau dan Tanaman Serat, Malang (Indonesia)). [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999 p. 124-131 3 tables; 12 ref. Summary (In)

NICOTIANA TABACUM; HIGH YIELDING VARIETIES; SEEDS; GENETICS; QUALITY; YIELDS; INTRODUCED VARIETIES.

0718 TENDA, E.T. [Fruit diversity of coconut germplasm and its utilization opportunity for various products]. Keragaman buah hasil plasma nutfah kelapa dan peluang pemanfaatan untuk berbagai produk/ Tenda, E.T.; Tulalao, M.A. (Balai Penelitian Tanaman Kelapa dan Palma Lain, Manado (Indonesia)). Buletin Palma (Indonesia) ISSN 0215-0646 2001 no.(27) p. 14-20 5 tables; 8 ref. Summary (In)

COCOS NUCIFERA; GERMPASM; COCONUTS; COCONUT WATER; FOOD PRODUCTION; PROCESSED PLANT PRODUCTS; CHEMICOPHYSICAL PROPERTIES.

0719 TRIJATMIKO, K.R. Linkage between RAPD marker and root penetration ability in rice IRAT112. Keterpautan marka RAPD dengan sifat daya tembus akar tanaman padi IRAT112/Trijatmiko, K.R.; Moeljopawiro, S.(Balai Penelitian Bioteknologi Tanaman Pangan, Bogor (Indonesia)); Aswidinnoor, H.; Sopandie, D. . Jurnal Bioteknologi Pertanian (Indonesia): Aswidinnoor, H.; Sopandie, D. ISSN 0853-8360 (2001) v. 6(2) p. 29-35 3 ill., 3 tables; 19 ref. Summaries (En,In)

ORYZA SATIVA; GENETIC MARKERS; RAPD; ROOTS; PLANT BREEDING; YIELDS.

F60 PLANT PHYSIOLOGY AND BIOCHEMISTRY / FISILOGI DAN BIKIMIA TANAMAN

0720 PURNAWAN, A. Isolation and elucidation of terpenoid structure of *Calyphyllum soulattri* Burn.F (Guttiferae). Isolasi dan elusidasi struktur kimia terpenoid dari tumbuhan *Calyphyllum soulattri* Burn.F (Guttiferae)/Purnawan, A.; Simanjuntak, P. (Pusat Penelitian dan Pengembangan Bioteknologi, Cibinong, Bogor (Indonesia)). Warta Akab (Indonesia) ISSN 0215-9929 (2001) (no. 13) p. 11-18 6 ill., 1 table; 6 ref. Summary (En)

CALOPHYLLUM; DRUG PLANTS; CHEMICAL STRUCTURE; TERPENOID; ISOLATION TECHNIQUES.

0721 YULIANI, S. Use of isoflavan in health. Pemanfaatan isoflavan dalam bidang kesehatan/Yuliani, S. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)); Mapiliandari, I. Warta Akab (Indonesia) ISSN 0215-9929 (2001) (no. 13) p. 27-30 2 tables; 5 ref. Summary (En)

LEGUMINOSAE; FLAVONOIDS; USED; HEALTH.

F61 PLANT PHYSIOLOGY NUTRITION / FISILOGI TANAMAN-NUTRISI

0722 RAHARDJO, M. Growth pattern and nutrient uptake of *Echinacea purpurea* . Pola pertumbuhan dan serapan hara *Echinacea purpurea*/ Rahardjo, M.; Sudiarto; Rosita, SDM.; Sukarman (Balai Penelitian Rempah dan Obat, Bogor (Indonesia)). Jurnal

Penelitian Tanaman Industri (Indonesia) ISSN 0853-8212 (Sep 2001) v. 7(3) p. 74-83 15 ill., 8 tables; 14 ref. Summaries (En,In)

ECHINACEA PURPUREA; DRUG PLANTS; GROWTH RATE; NUTRIENT UPTAKE; NUTRIENT AVAILABILITY.

F63 PLANT PHYSIOLOGY - RE-PRODUCTION / FISILOGI TANAMAN - REPRODUKSI

0723 TAHARDI, J.S. [*In-vitro* technology development via somatic embryogenesis to provide estate crops seedling]. Pengembangan teknologi *in vitro* melalui embriogenesis somatik untuk penyediaan teh dan kina/Tahardi, J.S. (Unit Penelitian Bioteknologi Perkebunan, Bogor (Indonesia)). [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999 p. 166-173 20 ref. Summary (In)

ELAEIS GUINEENSIS; HEVEA BRASILIENSIS; THEOBROMA CACAO; COFFEA; CAMELLIA SINENSIS; HIGH YIELDING VARIETIES; IN VITRO CULTURE; SOMATIC EMBRYOGENESIS; TECHNOLOGICAL CHANGES; SEEDLINGS; MARKETING.

F70 PLANT TAXONOMY AND GEOGRAPHY / TAKSONOMI TANAMAN DAN SEBARAN GEOGRAFI

0724 RAMADHANIL. [Study on species diversity of orchids in Sulawesi (Indonesia)]. Anggrek Sulawesi (sebuah studi berdasarkan "curation specimen" Herbarium)/Ramadhanil (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Agroland (Indonesia) ISSN 0854-641X (2001) v. 8(3) p. 260-271 1 tables; 14 ref. Summaries (En,In)

PHALAENOPSIS; VANDA; ORCHIDACEAE; ORNAMENTAL PLANTS; SPECIES; GENERA; BIODIVERSITY; PLANT COLLECTIONS; SULAWESI.

H10 PEST OF PLANTS / HAMA TANAMAN

0725 ARDIARINI, N. [Restriction analysis of cry gene clone from *Bacillus thuringiensis* var. kurstaki]. Analisis restriksi klon gena cry dari *Bacillus thuringiensis* varietas kurstaki / Ardiarini, N. (Universitas Brawijaya, Malang (Indonesia). Fakultas Pertanian); Sisindari. Habitat (Indonesia) ISSN 0853-5167 (2000) v. 11(112) p. 185-189 2 ill., 1 table; 9 ref. Summaries (En, In)

BACILLUS THURINGIENSIS; ENTOMOGENOUS BACTERIA; CLONES; ENDOTOXINS; RESTRICTION ENZYMES; RECOMBINANT DNA.

0726 ASMANIZAR. The effects of preserved preys on the biology of *Rhinocoris fuscipes* F. (Hemiptera : Reduviidae) in the laboratory. Pengaruh mangsa yang diawetkan terhadap biologi *Rhinocoris fuscipes* F. (Hemiptera : Reduviidae) di laboratorium/Asmanizar; Ma'aruf, E. (Universitas Islam Sumatera Utara, Medan (Indonesia). Fakultas Pertanian); Harulia, D. Jurnal Penelitian Pertanian (Indonesia) ISSN 0152-1197 (Jun 2001) v. 20(1) p. 1-6 3 tables; 10 ref. Summaries (En,In)

RHINOCORIS FUSCIPES; SPODOPTERA LITURA; PRESERVATION; PREDATION; HEMIPTERA; REDUVIDAE; EPILACHNA; MORTALITY; EGG HATCHABILITY.

0727 ASYARDI. The effect of row spacings and clipping of lower leaves of maize intercropped with groundnut on the pest and diseases. Pengaruh pemangkasan dan jarak barisan tanaman jagung tumpang sari dengan kacang tanah terhadap hama dan penyakit/Asyardi; Nurnayetti; Sadar. Jurnal Penelitian Andalas (Indonesia) v. 8(22) p. 15-23 (1996) 2 ill., 5 tables.; 10 ref. Summary (En)

ZEA MAYS; ARACHIS HYPOGAEA; SPACING; INTERCROPPING; STEM EATING INSECTS; SPOTS; PLANT DISEASES; RATS; PESTS OF PLANTS.

0728 BACO, D. [Relationship between natural enemies and white stem borer attack level in Bosowa Sipilu, South Sulawesi (Indonesia)]. Hubungan antara musuh alami dan tingkat serangan penggerek batang putih di daerah Bosowa Sipilu Sulawesi Selatan/Baco, D.; Yasin, M.; Nawir, M.A. (Balai Penelitian Tanaman Jagung dan Serealia Lain, Maros (Indonesia)). [Proceedings of the Supporting Papers of National Seminar on Biological Control]. Prosiding Makalah Pendukung Seminar Nasional Pengendalian Hayati / Mangoendihardjo, S.; Wagiman, F.X.; Mardihusodo, S.J. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Yogyakarta (Indonesia): UGM, 1997 p. 7-10 3 ill., 5 ref. Summary (In)

ORYZA SATIVA; STEM EATING INSECTS; SCIRPOPHAGA; NATURAL ENEMIES; LYCOSA PSEUDONNULATA; TRICHOGRAMMA; TELENOMUS; TETRASTICHUS; SULAWESI.

0729 BUDIHARTO, B. [Rats control technology using trap crops combined with plastic hedge and "bubu" trap]. Teknologi pengendalian hama tikus dengan sistem pagar perangkap bubu/Budiharto, B.; Bahri, S.; Sutanto, A. (Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia)). [Report on the Appreciation Activity of Recommended Technologies Development]. Laporan Hasil Kegiatan Apresiasi Pengembangan Teknologi Rekomendasi/Budiharto, B.; Bahri, S.; Sutanto, A. Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia). Ungaran (Indonesia): BPTP, 2000 p. 1-10 3 ill., 1 table; 5 ref.

FLOODED RICE; RATS; TRAP CROPS; TRAPS; HEDGES; RODENTICIDES; PLANTING DATE; RODENT CONTROL; CONTROL METHODS.

0730 HAMIJAYA, M.Z. [Growth of white rice stem borer (*Scirpophaga innotata*) on local rice varieties in tidal swamplands South Kalimantan (Indonesia)]. Mencermati perkembangan penggerek batang padi putih (*Scirpophaga innotata*) pada padi varietas lokal di lahan rawa pasang surut Kalimantan Selatan/Hamijaya, M.Z.; Susanti, M.A. (Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia)). [Food crops management in swamp lands]. Pengelolaan tanaman pangan lahan rawa/Prayudi, B.; Sabran, M.; Noor, I.; Ar-Riza, I.;

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0731 HUSNI. Effect of oviposition experience on host recognition and acceptance in a pupal parasitoid, *Brachymeria lasus* (Walker) (Hymenoptera: Chalcididae). Pengaruh pengalaman beroviposisi terhadap pengenalan dan penerimaan inang pada sejenis parasitoid Pupa, *Brachymeria lasus* (Walker) (Hymenoptera: Chalcididae) / Husni (Universitas Syiah Kuala Banda Aceh (Indonesia)). Jurnal Agrista (Indonesia) ISSN. 1410-3389 (2002) v. 6(1) p. 93-98 2 ill., 23 ref. Summary (En)

MYTIMNA SEPARATA; BRACHYMERIA LASUS; OVIPOSITION; HOST PLANTS; CHALCIDIDAE.

0732 INDRAYANI, I G.A.A. [Development of NPV use in controlling major pest attack on cotton]. Perkembangan pemanfaatan NVP dalam pengendalian serangga hama utama pada kapas/Indrayani, I G.A.A.; Balai Penelitian Tembakau dan Tanaman Serat, Malang (Indonesia). [Proceedings of the Supporting Papers of National Seminar on Biological Control]. Prosiding Makalah Pendukung Seminar Nasional Pengendalian Hayati/Mangoendihardjo, S.; Wagiman, F.X.; Mardihusodo, S.J. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Yogyakarta (Indonesia): UGM, 1997 p. 83-87 1 ill., 2 tables; 15 ref. Summary (In)

GOSSYPIUM HIRSUTUM; PESTS OF PLANTS; HELICOVERPA ARMIGERA; BIOLOGICAL CONTROL AGENTS; BIOLOGICAL CONTROL; NUCLEAR POLYHEDROSIS VIRUS; MOLASSES; FORMULATIONS; MORTALITY.

0733 INDRAYANI, I G.A.A. [Prospect of fungi *Nomuraea rileyi* use in controlling pest attack on cotton]. Prospek pemanfaatan jamur *Nomuraea rileyi* (farlow) samson dalam pengendalian serangan hama pada kapas/Indrayani, I G.A.A. (Balai Penelitian

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GOSSYPIUM HIRSUTUM; PESTS OF PLANTS; HELICOVERPA; BIOLOGICAL CONTROL; INFECTION; BIOLOGICAL CONTROL AGENTS; FUNGI; NOMURAEA.

0734 JUNIANTO, Y.D. [Bioinsecticide *Beauveria bassiana* development to support organic coffee culture]. Pengembangan Bioinsektisida *Beauveria bassiana* untuk mendukung budidaya kopi organik/Junianto, Y.D.; Nur, A.M. (Pusat Penelitian Kopi dan Kakao, Jember (Indonesia)) . [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999 p. 223-232 5 ill., 4 tables; 15 ref. Summary (In)

COFFEA; BEAUVERIA BASSIANA; HYPOTHENEMUS HAMPEI; INSECTA; BOTANICAL INSECTICIDES; SPORES; INOCULATION; BIOLOGICAL PRESERVATION.

0735 KUSWADI, A.N. [Efficacy virus NPV, *Bacillus thuringiensis*, *Beauveria bassiana*, *Steinernema carpocapsae* nematode and *Cypermethrin* to *Helicoverpa zea*]. Efikasi virus NPV, bakteri *Bacillus thuringiensis*, jamur *Beauveria bassiana*, nematoda *Steinernema carpocapsae* dan *Cypermethrin* terhadap penggerek buah kapas *Helicoverpa zea*./Kuswadi, A.N. (Pusat Aplikasi Isotop dan Radiasi (PAIR-BATAN), Jakarta (Indonesia)). [Proceedings of the Supporting Papers of National Seminar on Biological Control]. Prosiding Makalah Pendukung Seminar Nasional Pengendalian Hayati /

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GOSSYPIUM HIRSUTUM; PESTS OF PLANTS; HELICOVERPA ZEA; INSECTICIDES; MICROBIAL PESTICIDES; CYPERMETHRIN; NUCLEAR POLYHEDROSIS VIRUS; BACILLUS THURINGIENSIS; BEAUVERIA BASSIANA; STEINERNEMA CARPOCAPSAE; PEST CONTROL; MORTALITY.

0736 MAMESAH, D. [Control of *Spodoptera litura* on soybeans in Bungku, Central Sulawesi (Indonesia)]. Studi pengendalian *Spodoptera litura* F. pada tanaman kedelai di Bungku Sulawesi Tengah/Mamesah, D.; Depparaba, F.; Limbongan J. (Balai Pengkajian Teknologi Pertanian Biromaru, Palu (Indonesia)). [Proceedings of the Seminar on Technology Package Application in Central Sulawesi (Indonesia)]. Prosiding Aplikasi Paket Teknologi Pertanian Sulawesi Tengah/ Rangkuti, M.; Rusastra, IW.; Limbongan, J.; Slamet, M.; Syam, A.; Bulo, D. (Eds.) Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia). Bogor (Indonesia): Pusat Penelitian Sosial Ekonomi Pertanian, 2000 p. 31-36 3 tables.; 10 ref. Summary (In)

GLYCINE MAX; SPODOPTERA LITURA; CONTROL METHODS; PEST CONTROL; PRODUCTION; SULAWESI.

0737 MARTOSUPONO, M. [Application and multiplication of PFR (*Paecilomyces fumoso roseus*) entomopatogenic fungi as biological agent for controlling tea pests]. Pemanfaatan dan perbanyakkan jamur PFR agensia hayati pengendalian hama tanaman teh/Martosupono, M.; Widayat, W.; Rayati, D.J. (Pusat Penelitian Teh dan Kina, Gambung (Indonesia)). [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian

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PAECILOMYCES; CAMELLIA SINENSIS; ENTOMOGENOUS FUNGI; PLANT DISEASES; HELOPELTIS ANTONII; PEST CONTROL; APPLICATION METHODS; PRODUCTION COSTS.

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0739 NGATIDJO, A. [Preliminary study on biological control of *Oryctes rhinoceros* using fungi isolate from *Lawana candida* (F.) (Hemiptera, Flattidae)]. Kajian pendahuluan pengendalian kumbang badak *Oryctes rhinoceros* secara hayati menggunakan isolat jamur dari *Lawana candida* (F.) (Hemiptera, Flattidae)/Ngatidjo, A. (Perkebunan Kampus Medan, Medan (Indonesia)). [Proceedings of the Supporting Papers of National Seminar on Biological Control]. Prosiding Makalah Pendukung Seminar Nasional Pengendalian Hayati/Mangoendihardjo, S.; Wagiman, F.X.; Mardihusodo, S.J. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Yogyakarta (Indonesia): UGM, 1997 p. 57-59 3 ref. Summary (En)

ELAEIS GUINEENSIS; COCOS NUCIFERA; PESTS OF PLANTS; ORYCTES RHINOCEROS; BIOLOGICAL CONTROL; ISOLATION TECHNIQUES; METARHIZIUM ANISOPLIAE; PATHOGENICITY.

0740 PABBAGE, M.S. [Parasitism of some *Trichogrammatidae* on egg *Helicoverpa armigera* of corn]. Daya parasitasi beberapa jenis *Trichogrammatidae* terhadap telur penggerek tongkol jagung/Pabbage, M.S.; Nonci, N.; Baco, D. (Balai Penelitian Tanaman Jagung dan Serealia Lain, Maros (Indonesia)). Berita Puslitbangtan (Indonesia) ISSN 0852-6230 (2001) (no. 22) p. 11 1 table; 3 ref.

ZEA MAYS; HELICOVERPA ARMIGERA; TRICHOGRAMMA; PEST RESISTANCE; PARASITIDS.

0741 PRAMONO, D. [Use of *Schizaphis rotundiventris* signoret as conservation agent of natural enemies of white aphid on sugarcane plantation]. Pemanfaatan *Schizaphis rotundiventris* signoret sebagai sarana konservasi musuh-musuh alami kutu bulu putih pada pertanaman tebu/Pramono, D. (Pusat Penelitian Perkebunan Gula, Pasuruan (Indonesia)). [Proceedings of the Supporting Papers of National Seminar on Biological Control]. Prosiding Makalah Pendukung Seminar Nasional Pengendalian Hayati/Mangoendihardjo, S.; Wagiman, F.X.; Mardihusodo, S.J. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Yogyakarta (Indonesia): UGM, 1997 p. 11-16 1 table; 7 ref. Summary (In) Appendix

SACCHARUM OFFICINARUM; PESTS OF PLANTS; NATURAL ENEMIES; SCHIZAPHIS; CLIMATE.

0742 PURBA, R.Y. Utilization of oil palm empty fruit bunches as a trap of *Oryctes rhinoceros* (L.) in the oil palm plantation. Pemanfaatan tandan kosong sawit sebagai perangkap *Oryctes rhinoceros* (L.) di perkebunan kelapa sawit/Purba, R.Y.; Prawirosukarto, S.; Chenon, R.D. de. Jurnal Penelitian Kelapa Sawit (Indonesia) ISSN 0853 - 196X (1999) v. 7(2) p. 105-114 3 tables; 7 ref. Summaries (En,In)

OIL PALMS; SOLID WASTES; WASTE UTILIZATION; MULCHING; BIOLOGICAL CONTROL; TRAPPING; ORYCTES RHINOCEROS; LEAF EATING INSECTS; PLANTATIONS.

0743 PURNOMO, H. [Virulence of entomopathogenic nematode *Stinerema carpocapsae* weiser to *Crocidolomia binotalis*

zell]. Virulensi nematoda entomopatogen *Steinernema carpocapsae* weiser terhadap ulat dan kepompong *Crocidolomia binotalis* zell./Purnomo, H. (Universitas Jember (Indonesia). Fakultas Pertanian); Santoso, T.; Rauf, A.. [Proceedings of the Supporting Papers of National Seminar on Biological Control]. Prosiding Makalah Pendukung Seminar Nasional Pengendalian Hayati / Mangoendihardjo, S.; Wagiman, F.X.; Mardihusodo, S.J. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Yogyakarta (Indonesia): UGM, 1997 p. 65-67 2 ill., 1 table. Summary (En)

BRASSICA OLERACEA; PESTS OF PLANTS; CROCIDOLOMIA BINOTALIS; PATHOGENICITY; STEINERNEMA CARPOCAPSAE; BIOLOGICAL CONTROL AGENTS; MORTALITY.

0744 RIZAL, M. [Prospect of biological control of pink bollworm on cotton]. Prospek pengendalian hayati terhadap ulat buah merah kapas/ Rizal, M.; Sunarto, D.A. (Balai Penelitian Tembakau dan Tanaman Serat, Malang (Indonesia)). [Proceedings of the Supporting Papers of National Seminar on Biological Control]. Prosiding Makalah Pendukung Seminar Nasional Pengendalian Hayati/Mangoendihardjo, S.; Wagiman, F.X.; Mardihusodo, S.J. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Yogyakarta (Indonesia): UGM, 1997 p. 29-35 4 tables; 31 ref. Summary (In) Appendix

GOSSYPIMUM; PESTS OF PLANTS; PECTINOPHORA GOSSYPIELLA; BIOLOGICAL CONTROL; NATURAL ENEMIES; PREDATORS; PARASITIDS; PATHOGENS; PREDATION.

0745 RUHENDI. [Strategy of pest and disease control application in tidal land]. Strategi penerapan pengendalian organisme pengganggu tanaman di lahan pasang surut/Ruhendi; Soejitno, J., (Pusat Penelitian Tanaman Pangan, Bogor (Indonesia)). [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia):

PUSLITBANGTAN, 2000 p. 323-339 16 ref. Summary (In)

FOOD CROPS; INTEGRATED PEST MANAGEMENT; WEED CONTROL; AGROECOSYSTEMS; TIDES; TECHNOLOGY.

0746 SARANGA, A.P. [Pathogenicity test of *Beauveria bassiana* vuill fungi (Hypomycetes : Moniliales) at two types of termites (Isoptera)] . Uji patogenitas jamur *Beauveria bassiana* vuill. (Hypomycetes: Moniliales) pada dua jenis rayap (Isoptera)/Saranga, A.P. (Universitas Hasanuddin, Ujung Pandang (Indonesia). Fakultas Pertanian dan Kehutanan). [Proceedings of the Supporting Papers of National Seminar on Biological Control]. Prosiding Makalah Pendukung Seminar Nasional Pengendalian Hayati / Mangoendihardjo, S.; Wagiman, F.X.; Mardihusodo, S.J. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Yogyakarta (Indonesia): UGM, 1997 p. 61-64 2 tables; 5 ref. Summary (In)

PESTS OF PLANTS; PATHOGENICITY; FUNGI; BEAVERIA BASSIANA; HYPOTHENEMUS HAMPEI; NASUTITERMES; MORTALITY.

0747 SASTROSISWOJO, S. Effect of chlorpyrifos and deltamethrin applications on shallot toward the resurgence of *Spodoptera exigua* Hbn (Lepidoptera : Noctuidae). Pengaruh aplikasi insektisida klorpirifos dan deltametrin pada tanaman bawang merah terhadap resurgensi *Spodoptera exigua* Hbn. (Lepidoptera : Noctuidae)/ Sastrosiswojo, S.; Rubiati, T. (Balai Penelitian Tanaman Sayuran, Lembang (Indonesia)). Jurnal Hortikultura (Indonesia) ISSN. 0853-7097 (2001) v. 11(3) p. 170-177 7 tables; 10 ref. Summaries (En,In)

ALLIUM ASCALONICUM; CHLORPYRIFOS; DELTAMETHRIN; SPODOPTERA EXIGUA; TRIPS; INSECTICIDES; MORTALITY.

0748 SIWI, S.S. [Diagnostic of pests/diseases and global market negotiation of agricultural products]. Diagnostik hama / penyakit dan negosiasi pasar global produk pertanian/Siwi, S.S. (Balai Penelitian Tanaman Padi, Sukamandi (Indonesia)).

Berita Puslitbangtan (Indonesia) ISSN 0852 6230 (2001) (no. 21) p. 5-7 9 ref.

AGRICULTURAL PRODUCTS; PEST CONTROL; DIAGNOSIS; CONTROL METHODS; WORLD MARKETS; QUALITY CONTROLS.

0749 SODIQ, M. [Natural enemies of fruit flies in Indonesia]. Musuh alami hama lalat buah di Indonesia/Sodiq, M. (Universitas Pembangunan Nasional Veteran, Surabaya (Indonesia). Fakultas Pertanian). [Proceedings of the Supporting Papers of National Seminar on Biological Control]. Prosiding Makalah Pendukung Seminar Nasional Pengendalian Hayati/Mangoendihardjo, S.; Wagiman, F.X.; Mardihusodo, S.J. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Yogyakarta (Indonesia): UGM, 1997 p. 23-27 3 tables; 13 ref. Summary (In)

HORTICULTURE; PESTS OF PLANTS; NATURAL ENEMIES; PARASITIDS; OPIUS; OECOPHYLLA; IRIDOMYRMEX; PATHOGENS; INDONESIA.

0750 SODIQ, M. [Trial on several concentration of fungi *Beauveria bassiana* on mortality of wild beetle *Curinus coeruleus* at laboratory]. Uji coba berbagai konsentrasi jamur *Beauveria bassiana* terhadap kematian kumbang buah *Curinus coeruleus* di laboratorium/Sodiq, M.; Karsono, D.B.; Yanuar, F.A. (Universitas Pembangunan Nasional "Veteran", Surabaya (Indonesia). Fakultas Pertanian); Prasety, H.. [Proceedings of the Supporting Papers of National Seminar on Biological Control]. Prosiding Makalah Pendukung Seminar Nasional Pengendalian Hayati / Mangoendihardjo, S.; Wagiman, F.X.; Mardihusodo, S.J. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Yogyakarta (Indonesia): UGM, 1997 p. 97-100 2 tables; 4 ref. Summary (In)

PESTS OF PLANTS; COLEOPTERA; BIOLOGICAL CONTROL; BEAUVERIA BASSIANA; MORTALITY; LARVAE; COCOONS.

0751 SUDHARTO, P. [MNPV (Multiple Nuclear Polyhedrosis Virus) use for controlling oil palm leaf eating caterpillar *Setothosea asigna* van Eecke]. Pemanfaatan

MNPV untuk pengendalian ulat api *Setothosea asigna* van Eecke pada tanaman kelapa sawit/Sudharto, P. (Pusat Penelitian Kelapa Sawit, Medan (Indonesia)). [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999 p. 256-263 2 ill., 6 ref. Summary (In)

ELAEIS GUINEENSIS; LEAF EATING INSECTS; PESTS OF PLANTS; PRODUCTION; INSECTICIDES; PREDATORS; YIELDS.

0752 SUHARTO. [Natural enemies of *Helicoverpa* spp on tobacco and other host plants Jember (Indonesia)]. Musuh alami *Helicoverpa* spp. pada tanaman tembakau dan inang lain di daerah Jember/Suharto (Universitas Jember (Indonesia). Fakultas Pertanian). [Proceedings of the Supporting Papers of National Seminar on Biological Control]. Prosiding Makalah Pendukung Seminar Nasional Pengendalian Hayati / Mangoendihardjo, S.; Wagiman, F.X.; Mardihusodo, S.J. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Yogyakarta (Indonesia): UGM, 1997 p. 37-41 2 tables; 15 ref. Summary (En)

NICOTIANA TABACUM; PESTS OF PLANTS; HELICOVERPA; BIOLOGICAL CONTROL; NATURAL ENEMIES; PARASITIDS; PATHOGENS; PREDATORS.

0753 SURATA, I.K. An observation on leaf pest caterpillar of sandalwood plantations. Pengamatan hama ulat pemakan daun tanaman cendana (*Santalum album*, L.)/Surata, I.K.. Buletin Penelitian Kehutanan (Indonesia) ISSN. 1410-1181 (2000) v. 4(1) p. 1-10 1 ill., 1 table; 9 ref. Summary (En)

SANTALUM ALBUM; PESTS OF PLANTS; LYMANTRIA DISPAR; IDENTIFICATION; ANIMAL MORPHOLOGY; LIFE CYCLE.

0754 TANDIABANG, J. [Main pests management of maize (*Zea mays*)]. Pengelolaan hama utama tanaman jagung/ Tandiabang, J. (Balai Penelitian Tanaman Jagung dan Serealia Lain, Maros (Indonesia)). [Proceedings of the Seminar on Technology Package Application in Central Sulawesi (Indonesia)]. Prosiding Aplikasi Paket Teknologi Pertanian Sulawesi Tengah/ Rangkuti, M.; Rusastra, IW.; Limbongan, J.; Slamet, M.; Syam, A.; Bulo, D. (eds.) Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia). Bogor (Indonesia): Pusat Penelitian Sosial Ekonomi Pertanian, 2000 p. 6-16 8 tables.; 24 ref. Summary (In)

ZEA MAYS; OSTRINIA FURNACALIS; ATHERIGONA; HELICOVERPA; PEST CONTROL; PEST INSECTS; INSECTICIDES; CONTROL METHODS.

0755 TOANA, M.H. [Lethal concentration (LC50) of mindi (*Melia azedarach* L.) leaf extracts on the *Plutella xylostella* L. larvae mortality]. Lethal konsentrasi (LC50) ekstrak daun mindi *Melia azedarach* L. terhadap larva *Plutella xylostella* L. (Lepidoptera : Plutellidae)/Toana, M.H. (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Agroland (Indonesia) ISSN 0854-641X (2001) v. 8(4) p. 385-389 2 ill., 3 tables; 12 ref. Summaries (En,In)

BRASSICA OLERACEA; PLUTELLA XYLOSTELLA; LARVAE; BOTANICAL PESTICIDES; AZADIRACHTA INDICA; LEAVES; EXTRACTS; DOSAGE; MORTALITY.

0756 TOMBE, M. [Cloves as phytopesticides]. Cengkeh sebagai tanaman pestisida nabati/Tombe, M.; Asman, A.; Rusli, S. (Balai Penelitian Tanaman Rempah dan Obat, Malang (Indonesia)). [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia). Bogor (Indonesia):

Puslitbang Tanaman Perkebunan, 1999 p. 318-327 2 ill., 5 tables; 16 ref. Summary (In)

SYZYGIUM AROMATICUM; PESTICIDES; BIOPESTICIDES; EUGENOL; PATHOGENS; FUSARIUM OXYSPORUM; RHIZOCTONIA SOLANI; CORTICIUM ROLFSSII; PHYTOPHTHORA CAPSICI; RIGIDOFORUS LIGNOSUS; FUSARIUM SOLANI; VANILLA PLANIFOLIA; PIPER NIGRUM; ANACARDIUM OCCIDENTALE; LEAVES; FLOWERS.

0757 WAGIMAN, F.X. [Evaluation on biological control implementation of plant pests]. Evaluasi pelaksanaan pengendalian hayati hama tanaman/Wagiman, F.X.; Mangoendiharjo, S.; Mahrub, E. (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian). [Proceedings of the Supporting Papers of National Seminar on Biological Control]. Prosiding Makalah Pendukung Seminar Nasional Pengendalian Hayati/Mangoendihardjo, S.; Wagiman, F.X.; Mardihusodo, S.J. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Yogyakarta (Indonesia): UGM, 1997 p. 49-56 21 ref. Summary (In)

CROPS; PESTS OF PLANTS; BIOLOGICAL CONTROL; EVALUATION; BIOLOGICAL CONTROL AGENTS; GROWTH; PLANT PRODUCTION; COSTS.

0758 WIKARDI, E.A. Potency of *Synnematium* sp. as biocontrol agent of *Lawana* sp. (Flatidae: Homoptera). Potensi cendawan *Synnematium* sp. sebagai agens pengendali *Lawana* sp. (Flatidae: Homoptera)/Wikardi, E.A.; Purnayasa, GNR. (Balai Penelitian Rempah dan Obat, Bogor (Indonesia)). Jurnal Penelitian Tanaman Industri (Indonesia) ISSN 0853-8212 (Sep 2001) v. 7(3) p. 84-87 2 tables; 9 ref. Summaries (En,In)

DEUTEROMYCOTINA; BIOLOGICAL CONTROL AGENTS; HOMOPTERA.

0759 WINARTO. [Control of root-knot nematodes (*Meloidogyne* spp.) on tomato by antagonis plant *Tagetes* spp.]. Pengendalian nematoda bengkak akar (*Meloidogyne* spp) pada tanaman tomat dengan menggunakan tanaman antagonis *Tagetes* spp./Winarto.

Jurnal Penelitian Andalas (Indonesia) v. 8(22)
p. 40-45 (1996) 1 table.; 6 ref. Summary (En)

LYCOPERSICON ESCULENTUM;
MELOIDOGYNE; NEMATODA;
TAGETES; ANTAGONISM; PLANTING;
PEST CONTROL.

0760 YULIANI, S. [*Pyrethrum* formula activities as phytoinsecticides] . Aktivitas formula Piretrum sebagai insektisida nabati/Yuliani, S.; Rusli, S.; Wikardi, E.A.; Balfas, R.; Indrawanto, C. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999 p. 310-317 8 tables; 4 ref. Summary (In)

CHRYSANTHEMUM
CINERARIAEFOLIUM; COMPOSITAE;
INSECTICIDES; ETHANOL;OLEORESINS;
SITOPHILUS; SPODOPTERA LITURA;
POSTHARVEST TECHNOLOGY; BO-
TANICAL INSECTICIDES; PYRETHRINS.

H20 PLANT DISEASES / PENYAKIT TANAMAN

0761 HADIWIYONO. [Evaluation on effectiveness of *Trichoderma*, *Gliocladium* and fluorescent *Pseudomonas* as biological control agent for *Ganoderma boninense* pat on woodlog of oil palm green house]. Evaluasi kemandangan *Trichoderma*, *Gliocladium* dan *Pseudomonas* kelompok fluoresen sebagai agens pengendali hayati *Ganoderma boninense* pat. pada balok kayu kelapa sawit di rumah kaca/Hadiwiyono (Universitas Sebelas Maret Surakarta (Indonesia). Fakultas Pertanian). [Proceedings of the Supporting Papers of National Seminar on Biological Control]. Prosiding Makalah Pendukung Seminar Nasional Pengendalian Hayati/Mangoendihardjo, S.; Wagiman, F.X.; Mardihusodo, S.J. (eds.) Universitas Gadjah

Mada, Yogyakarta (Indonesia). Yogyakarta (Indonesia): UGM, 1997 p. 43-47 17 ref. Summary (En) Appendix

OIL PALMS; GANODERMA; LOGS;
PLANT DISEASES; BIOLOGICAL
CONTROL AGENTS; TRICHODERMA;
PSEUDOMONAS; POPULATION
DYNAMICS; GLIOCLADIUM.

0762 HAKIM, L. Detection of latent infection of *Ralstonia solanacearum* using NCM-ELISA technique on potato tubers. Deteksi infeksi laten *Ralstonia solanacearum* pada umbi kentang dengan teknik NCM-ELISA/Hakim, L. (Universitas Syiah Kuala, Banda Aceh (Indonesia). Fakultas Pertanian). Jurnal Agrista (Indonesia) ISSN 1410-3389 (2001) v. 5(3) p. 274-279 1 table; 9 ref. Summary (En)

SOLANUM TUBEROSUM; WILTS;
INFECTION; ELISA.

0763 HARTANA, I. [Pest control on Deli tobacco]. Pengendalian penyakit pada tembakau Deli/Hartana, I. (Asosiasi Penelitian Perkebunan Indonesia, Bogor, (Indonesia)); Dalmadiyo, G.. [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999 p. 233-241 15 ref. Summary (In)

NICOTIANA TABACUM; RALSTONIA
SOLANACEARUM; PHYTOPHTHORA
NICOTIANAE; ERWINIA CAROTOVORA;
CERCOSPORA NICOTIANAE; TOBACCO
MOSAIC TOBAMOVIRUS; CUCUMBER
MOSAIC CUCUMOVIRUS; PLANT
DISEASES; DISEASE CONTROL;
QUALITY; PRODUCTIVITY; VIRUSES.

0764 MANZILA, I. The detection of peanut stripe virus (PStV) on the peanut seeds using non-radioactive probe DNA molecular. Deteksi virus bilur kacang tanah di dalam benih kacang tanah menggunakan DNA

berciri zat non-radioaktif/Manzila, I.; Jumanto, H.(Balai Penelitian Bioteknologi Tanaman Pangan, Bogor (Indonesia)); Suseno, R.; Hendrastuti, H.S.. Jurnal Bioteknologi Pertanian (Indonesia): Indonesian Journal of Agricultural Biotechnology ISSN 0853-8360 (2001) v. 6(2) p. 9-15 5 ill., 1 table; 19 ref. Summaries (En,In)

ARACHIS HYPOGAEA; VIRUSES; SEED; DNA; HYBRIDIZATION; PCR.

0765 MANZILA, I. [Multiplication and purification of peanut strive virus to produce antiserum]. Perbanyak dan pemurnian virus bilur kacang tanah untuk produksi antiserum/Manzila, I.; Martoatmaja, R.; Harjosudarmo, J. (Balai Penelitian Bioteknologi Tanaman Pangan, Bogor (Indonesia)). Berita Puslitbangtan (Indonesia) ISSN 0852-6230 (2001) (no. 22) p. 5-6 5 ref.

ARACHIS HYPOGAEA; VIRUSES; IMMUNE SERUM; PURIFICATION; VARIETIES.

0766 NURYANTO, B. [Blast disease: main constraint for development of rice in tidal land at South Sumatra (Indonesia). Penyakit blas: kendala utama pengembangan usahatani padi lahan pasang surut Sumatera Selatan (Kasus Delta Saleh)/Nuryanto, B. (Balai Penelitian Tanaman Padi, Sukamandi (Indonesia)). [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 411-422 6 ill., 3 tables; 15 ref. Summary (In)

ORYZA SATIVA; PYRICULARIA ORYZAE; ENDEMIC; FARMING SYSTEMS; DISEASE CONTROL; SWAMP SOILS; SUMATRA.

0767 WAKMAN, W. [Control of *Peronosclerospora maydis* on maize]. Pengendalian penyakit bulai pada tanaman jagung/Wakman, W. (Balai Penelitian Tanaman Jagung dan Serealia Lain, Maros (Indonesia)). [Proceedings of the Seminar on Technology Package Application in Central

Sulawesi (Indonesia)]. Prosiding Aplikasi Paket Teknologi Pertanian Sulawesi Tengah/Rangkuti, M.; Rusastra, IW.; Limbongan, J.; Slamet, M.; Syam, A.; Bulo, D. (eds.) Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia). Bogor (Indonesia): Pusat Penelitian Sosial Ekonomi Pertanian, 2000 p. 17-22 3 tables.; 14 ref. Summary (In)

ZEA MAYS; SCLEROSPORA; DISEASE CONTROL; DISEASE RESISTANCE; PLANTING DATE; FUNGICIDES.

H60 WEEDS AND WEED CONTROL / GULMA DAN PENGENDALIAN GULMA

0768 ARDJASA, W.S. Longterm no-tillage systems used glyphosate herbicide technology on direct-seeded lowland irrigated rice. Teknologi tanpa olah tanah (TOT) dengan herbisida glifosat jangka panjang pada budidaya padi sawah sistem tabela untuk mendukung usahatani berkelanjutan pada lahan sawah irigasi Ultisol./Ardjasa, W.S.; Yufdi, P.; Widyantoro (Loka Pengkajian Teknologi Pertanian Natar (Indonesia)); Asmono, S.; Hermawan, W.. [Proceeding of the 6th National Seminar on Conservation Tillage]. Prosiding Seminar Nasional VI: Budidaya Pertanian Olah Tanah konservasi/Irfan, Z.; Lamid, Z.; Jahja, D.; Irawati; Ardi (eds.) . Padang (Indonesia): Himpunan Ilmu Gulma Indonesia, 1998. Prosiding Seminar Nasional VI Budidaya Pertanian Olah Tanah Konservasi (Indonesia) ISSN 0216-8308 (1998) (no.6) p. 333-341 7 tables; 3 ref. Summary (En)

IRRIGATED RICE; ZERO TILLAGE; HERBICIDES; GLYPHOSATE; DIRECT SOWING; IRRIGATED LAND; LOWLAND; SOIL CHEMICOPHYSICAL PROPERTIES; WEEDS.

0769 LAMID, Z. Assessment of zero tillage applied glyphosate herbicide on maize culture at dryland area. Pengkajian tanpa olah tanah dengan herbisida glifosat pada budidaya jagung di lahan kering/ Lamid, Z.; Harnel; Adlis, G. (Balai Pengkajian Teknologi Pertanian Sukarami (Indonesia)); Hermawan, W.. [Proceeding of the 6th National Seminar on Conservation Tillage]. Prosiding Seminar Nasional VI: Budidaya Pertanian Olah Tanah Konservasi/Irfan, Z.; Lamid, Z.; Jahja, D.; Irawati; Ardi (eds.) . Padang (Indonesia):

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ZEA MAYS; CULTIVATION; ZERO TILLAGE; GLYPHOSATE; HERBICIDES; DRY FARMING; LABOUR; YIELDS; ECONOMIC ANALYSIS.

0770 LAMID, Z. [Opportunity of glifosat herbicide application on conservation tillage development for food crops in tidal swamp]. Peluang penggunaan herbisida glifosat dalam pengembangan budidaya olah tanah konservasi tanaman pangan pada lahan pasang surut/Lamid, Z.; Saragih, E.; Sutanto, R.. [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 249-260 7 tables; 26 ref. Summary (In)

FOOD CROPS; TILLAGE; TIDES; HERBICIDES; SOIL CONSERVATION; SWAMP SOILS; YIELDS.

J10 HANDLING, TRANSPORT, STORAGE AND PROTECTION OF AGRICULTURAL PRODUCT / PENANGANAN, TRANSPORTASI, PENYIMPANAN DAN PERLINDUNGAN HASIL PERTANIAN

0771 KHAIRANI, C. [Technology application of rice postharvest in Puna kiri irrigation area in Poso pesisir subdistrict Poso regency (Indonesia)]. Penerapan teknologi pascapanen padi di daerah pengairan Puna kiri Kecamatan Poso pesisir, Kabupaten Poso/Khairani, C.; Slamet, M.. [Proceedings of the Seminar on Agricultural Technology Package Application in Central Sulawesi (Indonesia)]. Prosiding Seminar Aplikasi Paket Teknologi Pertanian Sulawesi Tengah/ Hasni, H.; Limbongan, J.; Slamet, M.; Bulu, D. (eds) Balai Pengkajian Teknologi Pertanian Biromaru, Palu (Indonesia). Palu (Indonesia): BPTP Biromaru, 1999 p. 120-123 2 tables; 6 ref.

RICE; POSTHARVEST TECHNOLOGY; TECHNOLOGY TRANSFER; FARMERS.

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

0772 ELIYANI, R. [Microbiological test of street fruits in Padang (Indonesia)]. Pengujian mikrobiologi buah-buahan jalanan di Kota Padang/Eliyano, R.. Jurnal Penelitian Andalas (Indonesia) v. 8(22) p. 8-14 (1996) 3 tables.; 6 ref. Summary (En)

FRUITS; MICROBIOLOGICAL ANALYSIS; WATER MELONS; PAPAYAS; PINEAPPLES; COLIFORM BACTERIA; ESCHERICHIA COLI; BIOLOGICAL CONTAMINATION; FOOD CONSUMPTION; CONTAMINATION; FOODS; SUMATRA.

0773 NOVARIANTO, H. [Yield diversity of coconut sugar]. Keragaman hasil nira dan gula beberapa kultivar kelapa/Novarianto, H.; Tulalao, M.A.; Rindengan, B. (Balai Penelitian Tanaman Kelapa dan Palma Lain, Manado (Indonesia)). Buletin Palma (Indonesia) ISSN 0215-0646 2001 no.(27) p. 7-13 4 tables; 8 ref. Summary (In)

COCONUTS; TAPPING; PALM SUGAR; FARM INCOME; VARIETIES; PROCESSED PLANT PRODUCTS.

0774 PURDIYANTO, J. Colour alternation and ethylene changes during ripening tobacco leaves cultivar Madura and its effect to the quality of slice Madura tobacco. Penelitian perubahan warna dan etilen selama pemeraman daun tembakau kultivar Madura serta pengaruhnya terhadap mutu tembakau rajangan/Purdiyanto, J. (Universitas Madura Pamekasan (Indonesia). Fakultas Pertanian). Jurnal Penelitian Tanaman Industri (Indonesia) ISSN 0853-8212 (Sep 2001) v. 7(3) p. 93-97 2 ill., 10 ref. Summaries (En,In)

NICOTIANA TABACUM; VARIETIES; QUALITY; LEAVES; ETHYLENE; RIPENING; CUTTING; BROWNING; DEGREENING.

0775 SUISMONO. [Evaluation of Chemico-physical properties and quality of swamp rice varieties to support food agroindustry in rural areas]. Evaluasi sifat fisikokimia dan mutu beras varietas padi rawa untuk menunjang agroindustri pangan di pedesaan/Suismono; Rahmawati, N.; Indrasari, S.D. (Balai Penelitian Tanaman, Padi, Sukamandi (Indonesia)). [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 295-302 6 tables; 6 ref. Summary (In)

RICE; VARIETIES; CHEMICOPHYSICAL PROPERTIES; AGROINDUSTRIAL SECTOR; RURAL AREAS.

K01 FORESTRY - GENERAL ASPECTS / KEHUTANAN - ASPEK-ASPEK UMUM

0776 DARMANDONO. [Prospect of hevea development in East Kalimantan (Indonesia)]. Prospek pengembangan komoditas karet di Kalimantan Timur/Darmandono; Setiono. Warta Pusat Penelitian Karet (Indonesia) ISSN 0852-8985 (1998) v. 17(1-3) p. 59-64 4 tables, 13 ref. Summary (In)

HEVEA BRASILIENSIS; PLANTATIONS; PRODUCTIVITY; AGROCLIMATIC ZONES; KALIMANTAN.

0777 SURATA, I.K. An evaluation of plant growth for thinning plant on timber estate plantation at West Nusa Tenggara and East Nusa Tenggara. Evaluasi pertumbuhan tanaman untuk rencana penjarangan hutan tanaman industri di Nusa Tenggara Barat dan Nusa Tenggara Timur /Surata, I. K.. Buletin Penelitian Kehutanan (Indonesia) ISSN. 1410-1181 (2000) (1998) v. 4(1) p. v. 3(2) p. 21-30 2 tables; 7 ref. Summary (En)

FOREST PLANTATIONS; FOREST TREES; GROWTH; EVALUATION; SELECTIVE FELLING; NUSA TENGGARA.

K10 FORESTRY PRODUCTION / PRODUKSI HUTAN

0778 BALFAS, J. [Prospect of oil palm wood utilization for handcraft production and construction]. Prospek pemanfaatan kayu sawit untuk produk kayu pertukaran dan konstruksi/Balfas, J. (Balai Penelitian Kehutanan Pematang Siantar (Indonesia)). [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999 p. 328-335 5 tables; 10 ref. Summary (In)

OIL PALMS; WOOD; PRODUCTS; LIGNOCELLULOSE; FURNITURE; PRODUCTION; CONSUMPTION; CHEMICOPHYSICAL PROPERTIES.

0779 HENDRATNO, S. [General illustration: market prospect and competitive increasing of Indonesian natural rubber]. Gambaran umum: Prospek pasar dan peningkatan daya saing karet alam Indonesia/Hendratno, S.; Nancy, C.; Anwar, C.. Warta Pusat Penelitian Karet (Indonesia) ISSN 0852-8985 (1998) v. 17(1-3) p. 51-58 2 ill., 2 tables; 12 ref. Summary (In)

RUBBER; USES; MARKETING; PRODUCTION; PRODUCTION COSTS; ECONOMIC COMPETITION.

0780 NANCY, C. [Self rejuvenation of smallholder rubber through scion nurseries development at farmer level: case study in South Sumatra and Jambi Province]. Peremajaan tanaman karet rakyat secara swadaya melalui pembangunan kebun entres dan pembibitan di tingkat petani: studi kasus di Propinsi Sumatera Selatan dan Jambi/Nancy, C.; Anwar, C.; Tjasadihardja, A.. Warta Pusat Penelitian Karet (Indonesia) ISSN 0852-8985 (1998) v. 17(1-3) p. 13-29 9 ill., 5 tables. Summary (In)

HEVEA BRASILIENSIS; SCIONS; SEED; PLANT NURSERIES; REGENERATION; SMALL FARMS; FARM AREA; COST ANALYSIS; TECHNOLOGY TRANSFER; SUMATRA.

0781 SUGIYANTO, Y. [Preparation of land without burning for hevea cultivation]. *Penyiapan lahan tanpa bakar untuk penanaman karet/ Sugiyanto, Y.; Siagian, H. Warta Pusat Penelitian Karet (Indonesia) ISSN 0852-8985 (1998) v. 17(1-3) p. 1-12 7 ill., 2 tables. Summary (In)*

HEVEA BRASILIENSIS; LOGGING WASTES; HERBICIDES; TRICHODERMA KONINGII; SOWING; FELLING; LAND CLEARING; TILLAGE; COST ANALYSIS.

0782 SUHENDRY, I. [Assessment of plant growth diversity related to increasing of rubber estate productivity]. *Kajian keragaman pertumbuhan tanaman berkaitan dengan peningkatan produktivitas kebun karet/ Suhendry, I.; Sugiyanto, Y.; Aidi-Daslin. Warta Pusat Penelitian Karet (Indonesia) ISSN 0852-8985 (1998) v. 17(1-3) p. 30-41 2 ill., 2 tables; 27 ref. Summary (In)*

HEVEA BRASILIENSIS; CLONES; STEMS; SPACING; TAPPING; GROWTH; PRODUCTION; PRODUCTIVITY.

K70 FOREST INJURIES AND PROTECTION / KERUSAKAN HUTAN DAN PERLINDUNGAN HUTAN

0783 HAMZARI. [Multitemporal analysis to find out forest structure change using change detection method]. *Analisis multitemporal untuk mengetahui perubahan struktur hutan dengan menggunakan metode deteksi perubahan/Hamzari (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Agroland (Indonesia) ISSN 0854-641X (2001) v. 8(4) p. 364-371 3 ill., 2 tables; 8 ref. Summaries (En,In)*

SULAWESI; FOREST LAND; DEGRADATION; METHODS.

L01 ANIMAL HUSBANDRY/ PETERNAKAN

0784 ABDULLAH, S. [Effect of different housing models on the quality of meat of local sheep]. *Pengaruh model kandang yang berbeda terhadap kualitas fisik daging ternak domba lokal/Abdullah, S. (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Agroland (Indonesia) ISSN*

0854-641X (2001) v. 8(4) p. 445-450 2 tables; 11 ref. Summaries (En,In)

SHEEP; ANIMAL HOUSING; MODELS; GOAT MEAT; QUALITY; WATER HOLDING CAPACITY.

0785 ARSYAD, Y.M. [Technology application and field problem of poultry husbandry]. *Penerapan teknologi dan masalah lapangan ternak unggas/Arsyad, Y.M. (Balai Informasi dan Penyuluhan Pertanian, Palu (Indonesia)). [Proceedings of the Seminar on Agricultural Technology Package Application in Central Sulawesi (Indonesia)]. Prosiding Seminar Aplikasi Paket Teknologi Pertanian Sulawesi Tengah/Hasni, H.; Limbongan, J.; Slamet, M.; Bulu, D. (eds) Balai Pengkajian Teknologi Pertanian Biomaru, Palu (Indonesia). Palu (Indonesia): BPTP Biomaru, 1999 p. 26-29 1 table*

POULTRY FARMING; TECHNOLOGY TRANSFER; ANIMAL HOUSING; ANIMAL FEEDING; DISEASE CONTROL; REPRODUCTION.

0786 ILHAM, N. [Competitive analysis of domestic fresh milk at post economic crises and the impact of government policies on the performance of Indonesian dairy cattle industry]. *Analisis daya saing susu segar dalam negeri pasca krisis ekonomi dan dampak kebijakan pemerintah terhadap usaha peternakan sapi perah di Indonesia/Ilham, N.; Swastika, D.K.S. (Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia)). Jurnal Agro Ekonomi (Indonesia) ISSN 0216-9053 (2001) v. 19(1) p. 19-43 9 tables; 19 ref. Summaries (En, In). Appendices*

DAIRY CATTLE; ECONOMIC CRISES; INDUSTRIAL SECTOR; DOMESTIC PRODUCTION; ECONOMIC ANALYSIS; INDONESIA.

0787 KUSNADI, U. [Livestock productivity in swamp land]. *Produktivitas ternak di lahan rawa/Kusnadi, U.; Gozali, A.; Masbulan, E. (Balai Penelitian Ternak, Ciawi, Bogor (Indonesia)). [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno;*

Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 353-363 10 ref. Summary (In)

LIVESTOCK; REARING TECHNIQUES; PRODUCTIVITY; SWAMP SOILS; FARMING SYSTEMS.

0788 NATAAMIJAYA, A.G. [Development of chicken husbandry in tidal land]. Pengembangan usaha ternak ayam buras di lahan pasang surut/ Nataamijaya, A.G. (Balai Penelitian Ternak, Ciawi, Bogor (Indonesia)). [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 365-371 3 tables; 13 ref. Summary (In)

CHICKENS; POULTRY FARMING; TIDES; DRUG PLANTS.

0789 SAGAF. [Effect of different housing models on local sheep performance]. Pengaruh model kandang yang berbeda terhadap performa produksi ternak domba lokal/Sagaf (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Agroland (Indonesia) ISSN 0854-641X (2001) v. 8(3) p. 335-340 2 tables; 9 ref. Summaries (En,In)

SHEEP; ANIMAL HOUSING; BODY WEIGHT; FEED CONVERSION EFFICIENCY; RATIONS; FEED CONSUMPTION; ANIMAL PERFORMANCE.

0790 SUROSO. [Technology application on farming systems of cattle and its problem in Toli-Toli regency (Indonesia)]. Penerapan teknologi usaha tani sapi dan permasalahannya di Kabupaten Toli-Toli/ Suroso (Balai Informasi dan Penyuluhan Pertanian Kabupaten Toli-Toli (Indonesia)). [Proceedings of the Seminar on Technology Package Application in Central Sulawesi (Indonesia)]. Prosiding Aplikasi Paket Teknologi Pertanian Sulawesi Tengah/ Rangkuti, M.; Rusastra, IW.; Limbongan, J.; Slamet, M.; Syam, A.; Bulu, D. (eds.) Pusat

Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia). Bogor (Indonesia): Pusat Penelitian Sosial Ekonomi Pertanian, 2000 p. 82-86 3 tables.; 1 ref. Summary (In)

CATTLE; LIVESTOCK; TECHNOLOGY TRANSFER; ANIMAL HUSBANDRY; FEEDING; FARM MANAGEMENT; PRODUCTIVITY; POSTHARVEST TECHNOLOGY; SULAWESI.

0791 ZAINUDDIN, D. [Development of native chicken rearing technique to support farming systems in tidal swamp land]. Pengembangan teknologi budidaya ternak ayam buras menunjang sistem usahatani di lahan rawa pasang surut/Zainuddin, D.; Supriadi, H. . [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 341-351 4 tables; 16 ref. Summary (In)

CHICKENS; ANIMAL HUSBANDRY METHODS; POULTRY FARMING; SWAMP SOILS; TIDES; TECHNOLOGY; FEEDS.

0792 ZEIN, R. [Profile of Rural Rearing Multiplication Center (RRMC) participants in West Sumatra]. Profil peternakan ayam buras studi kasus peserta program RRMC di Sumatera Barat/Zein, R.. Jurnal Peternakan dan Lingkungan (Indonesia) ISSN 0852-4092 (2001) v. 7(3) p. 74-79 5 tables; 3 ref. Summary (En)

CHICKENS; REARING TECHNIQUES; ANIMAL HUSBANDRY METHODS; AGRICULTURAL ECONOMICS; SUMATRA.

L02 ANIMAL FEEDING / PAKAN TERNAK

0793 BUDIHARTO, B. [Alternative feed technology for rams fattening]. Teknologi pakan alternatif untuk penggemukan domba jantan/Budiharto, B.; Bahri, S.; Sutanto, A. (Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia)). [Report on the

Appreciation Activity of Recommended Technologies Development]. Laporan Hasil Kegiatan Apresiasi Pengembangan Teknologi Rekomendasi/Budiharto, B.; Bahri, S.; Sutanto, A. Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia). Ungaran (Indonesia): BPTP, 2000 p. 1-10 3 ill., 1 table; 6 ref.

RAMS; FATTENING; CONCENTRATES; FORAGE; FEEDING FREQUENCY; PROXIMATE COMPOSITION; WEIGHT GAIN; TECHNOLOGY TRANSFER.

0794 HAMSUN, M. [Energy requirements for maintenance and energy required for goat growth]. Kebutuhan energi untuk hidup pokok dan pertumbuhan kambing/Hamsun, M. (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Agroland (Indonesia) ISSN 0854-641X (2001) v. 8(4) p. 413-417 3 tables; 12 ref. Summaries (En,In)

GOATS; GROWTH; ENERGY CONSUMPTION; TEMPERATURE; WEIGHT.

0795 MATHIUS, I-W. Improvement of feed efficiency using protected-energy in the ration of ewes. Pemanfaatan energi terlindungi untuk meningkatkan efisiensi penggunaan pakan pada domba induk/Mathius, I-W; Yulistiani, D.; Wina, E.; Haryanto, B.; Wilson, A.; Thalib, A. (Balai Penelitian Ternak, Bogor (Indonesia)). Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN. 0853-7380 (2001) v. 6(1) p. 7-13 3 tables; 26 ref. Summaries (En,In)

EWES; FEED CONVERSION EFFICIENCY; RATIONS; PROXIMATE COMPOSITION; PREGNANCY; LAMBS; ENERGY VALUE; FATTY ACIDS; ANIMAL PERFORMANCE.

0796 SANTOSO, U. [Effect of high-protein plus. high fat during refeeding for growth and fat accumulation in broiler aged twenty-eight]. Pengaruh pemberian pakan berprotein plus berlemak tinggi selama refeeding terhadap pertumbuhan dan akumulasi lemak pada broiler umur duapuluh delapan hari/Santoso, U. (Universitas Bengkulu (Indonesia). Fakultas Pertanian). Jurnal Peternakan dan Lingkungan (Indonesia) ISSN 0852-4092 (2001) v. 7(3) p. 1-5 3 tables; 9 ref. Summary (En)

BROILER CHICKENS; FEEDING; PROTEINS; DIET; ANIMAL FATS; GROWTH.

0797 SINURAT, A.P. Utilization of palm oil sludge in poultry diet: 2 dried palm oil sludge and its fermented product for growing drakes. Pemanfaatan lumpur sawit untuk ransum unggas: 2 lumpur sawit kering dan produk fermentasi sebagai bahan pakan itik jantan yang sedang tumbuh/Sinurat, A.P.; Bintang, I.A.K.; Purwadaria, T.; Pasaribu, T. (Balai Penelitian Ternak, Bogor (Indonesia)). Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN. 0853-7380 (2001) v. 6(1) p. 28-33 5 tables; 14 ref. Summaries (En,In)

DUCKS; RATIONS; AGRICULTURAL WASTES; PALM OILS; FERMENTED PRODUCTION; GROWTH; PROXIMATE COMPOSITION; BODY WEIGHT; FEED CONSUMPTION; FEED CONVERSION EFFICIENCY.

0798 SYAMSU, J.A. Fermentation of rice straw with probiotic as a feed ruminant. Fermentasi jerami padi dengan probiotik sebagai pakan ternak ruminansia/Syamsu, J.A. (Universitas Hasanuddin, Makasar (Indonesia). Fakultas Peternakan). Jurnal Agrista (Indonesia) ISSN 1410-3389 (2001) v. 5(3) p. 380-383 1 tables; 13 ref. Summary (En) (In)

RUMINANTS; FEEDS; RICE STRAW; FERMENTATION; PROBIOTICS; PROXIMATE COMPOSITION.

L10 ANIMAL GENETICS AND BREEDING / GENETIKA DAN PEMULIAAN TERNAK

0799 BUDIHARTO, B. [Artificial insemination technology on local chickens]. Teknologi inseminasi buatan pada ayam buras/Budiharto, B.; Bahri, S.; Sutanto, A. (Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia)). [Report on the Appreciation Activity of Recommended Technologies Development]. Laporan Hasil Kegiatan Apresiasi Pengembangan Teknologi Rekomendasi/Budiharto, B.; Bahri, S.; Sutanto, A. Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia). Ungaran (Indonesia): BPTP, 2000 p. 1-13 11 ill., 3 tables; 5 ref.

CHICKENS; SEMEN; EGGS; ARTIFICIAL INSEMINATION; EGG HATCHABILITY; FERTILITY; PRODUCTION; ECONOMIC ANALYSIS; TECHNOLOGY TRANSFER.

0800 DUMA, Y. [Identification of local sheep genetic variation in Palu valley (Indonesia) through blood plasma protein analysis using electrophoresis technique]. Identifikasi variasi genetik domba local di lembah Palu melalui analisis protein plasma darah dengan teknik elektroforesis/Duma, Y.; Rusdi (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Agroland (Indonesia) ISSN 0854-641X (2001) v. 8(3) p. 315-321 3 tables; 10 ref. Summaries (En,In)

SHEEP; IDENTIFICATION; GENETIC VARIATION; BLOOD PLASMA; ANIMAL BREEDING; ELECTROPHORESIS; SULAWESI.

0801 GUNAWAN, B. Crossbreeding between male pelung and female selected native chicken at second generation (G2). Persilangan ayam pelung jantan X kampung betina hasil seleksi generasi kedua (G2)/Gunawan, B.; Sartika, T. (Balai Penelitian Ternak, Bogor (Indonesia)). Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN. 0853-7380 (2001) v. 6(1) p. 21-27 4 tables; 6 ref. Summaries (En,In)

CHICKENS; CROSS BREEDING; ANIMAL PERFORMANCE; BODY WEIGHT; FEED CONSUMPTION; COST BENEFIT ANALYSIS.

0802 SARI, E.M. Estimation of genetic parameters for poll dorset sheep. Estimasi parameter genetik pada domba poll dorset/Sari, E.M. (Universitas Syiah Kuala, Banda Aceh (Indonesia). Fakultas Pertanian). Jurnal Agrista (Indonesia) ISSN 1410-3389 (2001) v. 5(3) p. 296-301 3 tables; 19 ref. Summary (In)

SHEEP; GENETIC PARAMETERS; HERITABILITY; GENETIC CORRELATION.

0803 SARIUBANG, M. [Problems and technology of beef cattle development in

South Sulawesi (Indonesia)]. Permasalahan dan teknologi pengembangan sapi potong di Sulawesi Selatan/Sariubang, M.; Taming, S.N. (Instalasi Penelitian dan Pengkajian Teknologi Pertanian Gowa (Indonesia)). [Proceedings of the Seminar on Technology Package Application in Central Sulawesi (Indonesia)]. Prosiding Aplikasi Paket Teknologi Pertanian Sulawesi Tengah/Rangkuti, M.; Rusastra, IW.; Limbongan, J.; Slamet, M.; Syam, A.; Bulu, D. (eds.) Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia). Bogor (Indonesia): Pusat Penelitian Sosial Ekonomi Pertanian, 2000 p. 87-93 20 ref. Summary (In)

BEFF CATTLE; FEEDS; SUPPLEMENTS; INBREEDING; PRODUCTION; PRODUCTIVITY; FARM INCOME; TECHNOLOGY TRANSFER; SULAWESI.

0804 SUMANTRI, C. Detection of deletion and mutation on pig Mx1 gene (gene resistance in influenza virus) with PCR-RFLP Nar I restriction. Deteksi delesi dan mutasi pada gen MX1 (gen resisten terhadap virus influenza) pada babi dengan PCR-RFLP Nar I restriksi/Sumantri, C.; (Institut Pertanian Bogor, (Indonesia). Fakultas); Morozumi, T.; Hamashima, N.. Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN. 0853-7380 (2001) v. 6(1) p. 34-37 2 ill., 1 tables; 11 ref. Summaries (En,In)

SWINE; MUTATION; GENETIC RESISTANCE; DNA; INFLUENZA VIRUS; ENZYMES; HOMOZYGOTES; HETEROZYGOTES; PCR.

L50 ANIMAL PHYSIOLOGY AND – BIOCHEMISTRY / FISILOGI TERNAK DAN BIOKIMIA

0805 BAHRI, S. [Isolation of immunoglobulin protein on cattle and buffalo using immunochemical methods]. Isolasi protein immunoglobulin G sapi dan kerbau dengan metoda imunokimia/Bahri, S. (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Agroland (Indonesia) ISSN 0854-641X (2001) v. 8(3) p. 322-327 2 ill., 5 tables; 7 ref. Summaries (En,In)

COWS; WATER BUFFALOES; IMMUNOGLOBULINS; IMMUNOCHEMICAL ANALYSIS; BLOOD SERUM; ANTIBODIES.

**L53 ANIMAL PHYSIOLOGY -
REPRODUCTION / FISOLOGY
TERNAK -REPRODUKSI**

0806 ARITONANG, D. The productivity of various pure breed and cross breed of imported pigs during lactation period. Produktivitas berbagai galur babi ras impor selama periode laktasi/Aritonang, D.;Silalahi, M. (Balai Penelitian Ternak, Bogor (Indonesia)). Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN. 0853-7380 (2001) v. 6(1) p. 38-44 1 tables; 20 ref. Summaries (En,In)

SWINE; LACTATION; CROSS BREEDING;
LITTER SIZE; BIRTH WEIGHT;
REPRODUCTIVE PERFORMANCE; FEED
CONSUMPTION; MORTALITY.

0807 SAID, S. [Gene transfer with spermatozoa as vectors]. Transfer gen dengan spermatozoa sebagai vektor/Said, S. (Pusat Penelitian dan Pengembangan Bioteknologi, Bogor (Indonesia)). Warta Biotek (Indonesia) ISSN 0215-2835 (2000) v. 14(2) p. 20-23 13 ref. Summary (In)

MAMMALS; SPERMATOZOA; DNA;
VECTORS; TRANSGENIC; REPRO-
DUCTION; GENE TRANSFER.

0808 SUMARYAM. [Effect of PMSG, cattle rumen contents and manure of chicken on reproductivity of *Tubifex* spp. worm]. Kemampuan reproduksi cacing *Tubifex* spp. (cacing rambut) melalui pemberian PMSG, makanan tambahan isi rumen sapi dan kotoran ayam/Sumaryam. TechKnow (Indonesia) (2001) (no. 02) p. 43-51 4 tables; 12 ref. Summary (En)

TUBIFEX; PMSG; RUMEN; FARMYARD
MANURE; SUPPLEMENTS; DOSAGE;
REPRODUCTIVE PERFORMANCE.

**L70 VETERINARY SCIENCE AND
HYGIENE - GENERAL ASPECTS
/ILMU VETERINER DAN KESE-
HATAN HEWAN - ASPEK UMUM**

0809 INDRAYANI, L. Comparison between clinical sign and histopathological examination for judgement in virus content test of avian encephalomyelitis vaccine. Perbandingan antara gejala klinik dan

perubahan histopatologi untuk penilaian uji kandungan virus pada vaksin avian encephalomyelitis/Indrayani, L.; Nurhandayani, A.; Susanto, E. (Balai Pengujian Mutu dan Sertifikasi Obat Hewan, Bogor (Indonesia)). Bulletin Pengujian Mutu Obat Hewan (Indonesia) ISSN 0852-9612 (1990) (no. 3) p. 26-28 1 table; 5 ref. Summary (En)

CHICKENS; AVIAN
ENCEPHALOMYELITIS VIRUS;
VACCINES; VIRUSES; DIAGNOSIS;
SYMPTOMS; HISTOPATHOLOGICAL
ANALYSIS.

0810 ISTIYANINGSIH. Serological survey against *Haemophilus paragallinarum* infection. Survey serologik dari *Haemophilus paragallinarum* di Bogor, Tangerang, Bekasi dan Cianjur/Istiyaningsih; Sumadi; Mariana, S. (Balai Pengujian Mutu dan Sertifikasi Obat Hewan, Bogor (Indonesia)). Bulletin Pengujian Mutu Obat Hewan (Indonesia) ISSN 0852-9612 (1990) (no. 3) p. 8-11 3 tables; 9 ref. Summary (En)

CHICKENS; HAEMOPHILUS
PARAGALLINARUM; CORYZA;
VACCINES; ANTIBODIES;
HAEMAGGLUTINATION TESTS;
INFECTIOUS DISEASES; IMMUNO-
NODIAGNOSIS; JAVA.

0811 SUMADI. Minimum inhibitory concentrations of *Escherichia coli* isolated from cattle, pigs and chickens in Indonesia/Sumadi; Istiyaningsih; Zarkasie, K.; Siregar, S.B. (Balai Pengujian Mutu dan Sertifikasi Obat Hewan, Bogor (Indonesia)). Bulletin Pengujian Mutu Obat Hewan (Indonesia) ISSN 0852-9612 (1990) (no. 3) p. 16-19 6 ill., 7 ref. Summary (En)

CATTLE; SWINE; CHICKENS;
ESCHERICHIA COLI; ANTIBIOTICS;
DRUGS; OXYTETRACYCLINE;
CHLORAMPHENICOL;

SULPHONAMIDES; KANAMYCIN; DRUG
RESISTANCE; INDONESIA.

0812 SUMADI. Plasmid and protein profiling of *Bacillus anthracis* vaccine strain isolated from affected guinea pigs. Analisa plasmid dan protein *Bacillus anthracis* strain vaksin yang diisolasi dari marmot vaksinasi/Sumadi; Zarkasie, K. (Balai

Pengujian Mutu dan Sertifikasi Obat Hewan, Bogor (Indonesia)); Tamura, Y.. Bulletin Pengujian Mutu Obat Hewan (Indonesia) ISSN 0852-9612 (1990) (no. 3) p. 12-15 2 ill., 1 table; 6 ref. Summary (En)

GUINEA PIGS; BACILLUS ANTHRACIS; ANTHRAX; PLASMIDS; PROTEINS; VACCINES; TOXINS; PATHOGENICITY.

0813 SUSANTO, E. Effect of Furazolidone in broiler chickens. Pengaruh Furazolidone terhadap perubahan berat badan pada ayam broiler/Susanto, E.; Indrayani, L. (Balai Pengujian Mutu dan Sertifikasi Obat Hewan, Bogor (Indonesia)). Bulletin Pengujian Mutu Obat Hewan (Indonesia) ISSN 0852-9612 (1990) (no. 3) p. 20-25 3 ill., 1 table; 7 ref. Summary (En)

BROILER CHICKENS; NITROFURANS; DOSAGE; COCCIDIOSIS; FEEDS; INFECTIOUS DISEASES; HISTOPATHOLOGY; SYMPTOMS; BODY WEIGHT.

L72 PESTS OF ANIMALS / HAMA DAN PARASIT TERNAK

0814 EISEMANN, C. Localization of the glycoprotein Cb42 in larvae of the Screwworm fly, *Chrysomya bezziana* (Diptera: Calliphoridae). Lokalisasi glikoprotein Cb42 pada jaringan larva lalat Screwworm *Chrysomya bezziana* (Diptera: Calliphoridae) / Eisemann, C.; Muharsini, S.. Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN 0853-7380 (2002) v. 5(3) p. 197-200 2 ill., 8 ref. Summaries (En,In)

CHRY SOMYA; LARVAE; GLYCOPROTEINS; IMMUNOFLUORESCENCE; RECOMBINANT PROTEINS.

0815 HAYATI, N. [Toxicity effect of imbo (*Azadirachta indica* A. Juss) leaves fraction on ectoparasite (*Lernaea cyprinacea* L.) of *Cyprinus carpio* larvae]. Efek toksisitas fraksi daun imbo (*Azadirachta indica* A. Juss) terhadap ektoparasit *Lernaea cyprinacea* L. pada benih ikan mas (*Cyprinus carpio* L.)/Hayati, N.. TechKnow (Indonesia) (2001) (no. 02) p. 34-42 4 tables; 11 ref. Summaries (En, In)

CYPRINUS CARPIO; FISH LARVAE; PARASITES; AZADIRACHTA INDICA; TOXICITY; DOSAGE EFFECTS; MORTALITY; INFECTION.

0816 MUHARSINI, S. Expression in yeast (*Pichia pastoris*) of recombinant CB-peritrophin-42 and CB-peritrophin-48 isolated from *Chrysomya bezziana* (the Old World Screwworm fly). Ekspresi protein rekombinan Cb-peritrofin-42 dan Cb-peritrofin-48 yang diisolasi dari lalat *Chrysomya bezziana* (the Old World Screwworm fly) pada khamis (*Pichia pastoris*)/Muharsini, S. (Balai Penelitian Veteriner, Bogor Indonesia)); Vuocolo, T.. Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN 0853-7380 (2002) v. 5(3) p. 177-184 6 ill., 1 table; 22 ref. Summaries (En,In)

PICHIA PASTORIS; RECOMBINANT PROTEINS; ANTIGENS; CHRY SOMYA; SYNTHETIC VACCINES.

0817 PEARSON, R. Purification of recombinant peritrophic membrane proteins of the Old World Screwworm fly, *Chrysomya bezziana*. Pemurnian beberapa protein membran peritrofik rekombinan lalat the Old World Screwworm, *Chrysomya bezziana*/Pearson, R.; Muharsini, S.; (University of Queensland, (Australia) CSIRO Livestock Industries, Molecular Animal Genetics Centre); Wijffels, G.; Vuocolo, T.. Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN 0853-7380 (2002) v. 5(3) p. 185-191 3 ill., 9 ref. Summaries (En,In)

CHRY SOMYA; RECOMBINANT PROTEINS; PURIFICATION; PICHIA PASTORIS; GLYCOSIDASES; IMMUNOGENETICS.

0818 RIDING, G. Fractionation, identification and vaccination efficacy of native antigens from the Screwworm fly, *Chrysomya bezziana*. Fraksinasi, identifikasi dan efikasi vaksinasi antigen natif dari lalat Screwworm *Chrysomya bezziana*/Riding, G.; (Universitas Queensland, St Lucia, Queensland (Australia) CSIRO Livestock Industries, Molecular Animal Genetics Centre); Muharsini, S.; Pearson, R.; Sukarsih; Satria, E.; Wijffels, G.; Willadsen, P. Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN 0853-7380 (2002) v. 5(3) p. 150-159 2 ill., 5 tables; 26 ref. Summaries (En,In)

CHRY SOMYA; VACCINATION;
 PROTEASES; SERINE; ANTIGENS;
 ARTIFICIAL PROTEIN MEMBRANES;
 FRACTIONATION; ELECTROPHORESIS;
 IDENTIFICATION.

0819 SARJAN, M. [*Bacillus thuringiensis* potential as biological control agent for pests of cattle]. Potensi *Bacillus thuringiensis* sebagai agensia pengendali hayati hama-hama pada ternak/Sarjan, M. (Universitas Sam Ratulangi, Mataram (Indonesia). Fakultas Pertanian). [Proceedings of the Supporting Papers of National Seminar on Biological Control]. Prosiding Makalah Pendukung Seminar Nasional Pengendalian Hayati/Mangoendihardjo, S.; Wagiman, F.X.; Mardihusodo, S.J. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Yogyakarta (Indonesia): UGM, 1997 p. 89-95 2 ill., 1 table; 20 ref. Summary (In)

LIVESTOCK; PESTS OF ANIMALS;
 CALLIPHORIDAE; DAMALINIA; BIO-
 LOGICAL CONTROL; BIOASSAY;
 BIOLOGICAL CONTROL AGENTS;
 BACILLUS THURINGIENSIS; MOR-
 TALITY.

0820 SUKARSIH. Establishment and maintenance of a colony of the old world Screwworm fly, *Chrysomya bezziana* at Balitvet in Bogor, West Java, Indonesia. Pembangunan dan pemeliharaan koloni lalat the Old World Screwworm *Chrysomya bezziana* di Balitvet, Bogor, Jawa Barat, Indonesia/Sukarsih; Partoutomo, S.; (Balai Penelitian Veteriner, Bogor (Indonesia)); Tozer, R.; Satria, E.; Wijffels, G.; Riding, G.. Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN 0853-7380 (2002) v. 5(3) p. 144-149 2 ill., 2 tables; 13 ref. Summaries (En,In)

CHRY SOMYA; LARVAE; REARING
 TECHNIQUES; OVIPOSITION;
 REPRODUCTIVE PERFORMANCE;
 SURVIVAL; GENETIC VARIATION;
 ISOLATION TECHNIQUES.

0821 SUKARSIH. Vaccination trials in sheep against *Chrysomya bezziana* larvae using the recombinant peritrophin antigens Cb15, Cb42 and Cb48. Percobaan vaksinasi pada domba terhadap larva *Chrysomya bezziana* dengan menggunakan antigen

peritrofin rekombinan Cb15, Cb42 dan Cb48/Sukarsih; Partoutomo, S.(Balai Penelitian Veteriner, Bogor (Indonesia)); Wijffels, G.; Vuocolo, T.; Willadsen, P.. Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN 0853-7380 (2002) v. 5(3) p. 192-196 1 table; 14 ref. Summaries (En,In)

SHEEP; VACCINATION; CHRY SOMYA;
 LARVAE; RECOMBINANT ANTIGENS; IN
 VITRO EXPERIMENTATION; IN VIVO
 EXPERIMENTATION; SURVIVAL.

0822 VUOCOLO, T. cDNA library construction and isolation of genes for candidate vaccine antigens from *Chrysomya bezziana* (the Old World Screwworm fly). Konstruksi cDNA library dan isolasi gen sebagai kandidat antigen vaksin lalat *Chrysomya bezziana* (the Old World Screwworm fly)/Vuocolo, T.(Universitas Queensland, St-Lucia, Queensland (Australia)); Supriyanti, F.; Muharsini, S.; Wijffels, G.. Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN 0853-7380 (2002) v. 5(3) p. 160-169 6 ill., 1 table; 17 ref. Summaries (En,In)

CHRY SOMYA; DNA; ISOLATION
 TECHNIQUES; ANTIGENS; SYNTHETIC
 VACCINES; NUCLEIC PROBES;
 RECOMBINANT PROTEINS.

0823 WILLADSEN, P. An investigation of the feasibility of vaccinating against the old world Screwworm fly, *Chrysomya bezziana*. Penelitian kelayakan vaksinasi terhadap lalat the old world screwworm *Chrysomya bezziana*/Willadsen, P. (University of Queensland, St Lucia, Queensland (Australia)); Partoutomo, S.. Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN 0853-7380 (2002) v. 5(3) p. 141-143 18 ref. Summaries (En,In)

LIVESTOCK; CHRY SOMYA;
 VACCINATION; INSECT CONTROL;
 ANTIGENS; SYNTHETIC VACCINES.

0824 WILLADSEN, P. Vaccination against *Chrysomya bezziana*: a summary of current knowledge. Vaksinasi terhadap lalat *Chrysomya bezziana* : ringkasan pengetahuan hingga saat ini/Willadsen, P. (Universitas Queensland, Queensland (Australia). Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN 0853-7380 (2002) v. 5(3) p. 201-203 6 ref. Summaries (En,In)

CHRYSOMYA; VACCINATION;
RECOMBINANT ANTIGENS; IMMUNE
RESPONSE; IN VITRO; IN VIVO
EXPERIMENTATION.

0825 YAHERWANDI. [Parasitoid
Boeognatha javana Bhat dan Gupta
(Hymenoptera : Braconidae) biology on
Maruca testulalis (Geyer) (Lepidoptera.
Pylalidae)]. Biologi parasitoid *Baeognatha
javana* Bhat dan Gupta (Hymenoptera :
Braconidae pada *Maruca testulalis* (Geyer)
(Lepidoptera : Pylalidae)/Yaherwandi;
Sostromarsono, S.; Kartosuwondo, U.;
Adhidarma, D. Jurnal Penelitian Andalas
(Indonesia) v. 8(22) p. 46-52 (1996) 2 tables.;
14 ref. Summary (En)

MARUCA VITRATA; BRACONIDAE;
PARASITOIDS; BIOLOGY.

L73 ANIMAL DISEASES / PENYAKIT TERNAK

0826 ABUBAKAR, A. Structural analysis of
new antihypertensive peptides derived from
cheese whey protein by proteinase-K
digestion. Analisis struktur peptida anti darah
tinggi baru yang berasal dari protein whei
setelah dilakukan pencernaan dengan enzim
protease/ Abubakar, A. (Universitas Syiah
Kuala, Banda Aceh (Indonesia). Fakultas
Pertanian). Jurnal Agrista (Indonesia) ISSN
1410-3389 (2001) v. 5(3) p. 284-295 4 ill., 3
tables; 20 ref. Summary (In)

WHEY PROTEIN; ENZYMES; PEPTIDES;
PURIFICATION; HYPERTENSION;
DIGESTION.

0827 MUHAMMAD, D. [Diseases control
on cattle]. Pengendalian penyakit hewan pada
ternak sapi / Muhammad, D. (Balai
Pengendalian Penyakit Hewan Wilayah VIII,
Maros (Indonesia)). [Proceedings of the
Seminar on Technology Package Application
in Central Sulawesi (Indonesia)]. Prosiding
Aplikasi Paket Teknologi Pertanian Sulawesi
Tengah/Rangkuti, M.; Rusastra, IW.;
Limbongan, J.; Slamet, M.; Syam, A.; Bulu,
D. (eds.) Pusat Penelitian Sosial Ekonomi
Pertanian, Bogor (Indonesia). Bogor
(Indonesia): Pusat Penelitian Sosial Ekonomi
Pertanian, 2000 p. 72-81 3 tables.; 8 ref.
Summary (In)

CATTLE; DISEASE CONTROL;
ENDEMIC; PANDEMIC.

0828 NURHANDAYANI, A. Serological
survey against infectious bursal disease virus
serotype I in chickens/Nurhandayani, A.;
Lestari S., I.; Noor, M.A.R. (Balai Pengujian
Mutu dan Sertifikasi Obat Hewan, Bogor
(Indonesia)). Bulletin Pengujian Mutu Obat
Hewan (Indonesia) ISSN 0852-9612 (1990)
(no. 3) p. 4-5 1 table; 7 ref. Summary (En)

CHICKENS; IMMUNODIAGNOSIS;
INFECTIOUS BURSAL DISEASE VIRUS;
ANTIBODIES; SEROTYPES.

0829 PUDJIATMOKO. Comparison between
duck embryo fibroblast and chicken embryo
liver cell for propagation of egg-drop-
syndrome-1976 virus/Pudjiatmoko; Noor,
M.A.R. (Balai Pengujian Mutu dan Sertifikasi
Obat Hewan, Bogor (Indonesia)). Bulletin
Pengujian Mutu Obat Hewan (Indonesia)
ISSN 0852-9612 (1990) (no. 3) p. 1-3 1 ill., 6
ref. Summary (En)

POULTRY; FIBROBLASTS; LIVER;
CELLS; EGG DROP SYNDROME;
VIRUSES; CELL CULTURE;
HAEMAGGLUTINATION TESTS.

0830 PUDJIATMOKO. Serological survey
on egg-drop-syndrome-1976 HI antibody in
chickens raised in Bogor and Tangerang/
Pudjiatmoko; Noor, M.A.R. (Balai Pengujian
Mutu dan Sertifikasi Obat Hewan, Bogor
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(no. 3) p. 6-7 1 table; 5 ref. Summary (En)

CHICKENS; EGG DROP SYNDROME;
TRADITIONAL FARMING;
HAEMAGGLUTINATION TESTS;
ANTIBODIES; VIRUSES; JAVA.

0831 ROSMIATI. Isolation, identification,
and effect of bioactive componen from sponge
(*Callyspongia pseudoreticulata*) on patho-
genic bacteria from prawn. Isolasi,
identifikasi, dan pengaruh senyawa bioaktif
spons (*Callyspongia pseudoreticulata*)
terhadap bakteri patogen dari udang/Rosmiati;
Suryati, E. (Balai Penelitian Bioteknologi
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technology ISSN 0853-8360 (2001) v. 6(2) p. 16-21 2 ill., 4 tables; 19 ref. Summaries (En,In)

PRAWNS AND SHRIMPS; BACTERIOSES; SPONGES; BACTERICIDES; PATHOGENS.

0832 SUGIYARTO. [Isolation of pathogenic spore-forming bacteria to *Culex quinquefasciatus* say larvae]. Isolasi bakteri pembentukan spora yang bersifat patogenik terhadap larva nyamuk *Culex quinquefasciatus* say/Sugiyarto (Universitas Sebelas Maret, Surakarta (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam); Simatupang, Z.. [Proceedings of the Supporting Papers of National Seminar on Biological Control]. Prosiding Makalah Pendukung Seminar Nasional Pengendalian Hayati / Mangoendihardjo, S.; Wagiman, F.X.; Mardihusodo, S.J. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Yogyakarta (Indonesia): UGM, 1997 p. 101-105 3 tables; 14 ref. Summary (In)

TOXICITY; BACTERIAL SPORES; ISOLATION; PATHOGENS; LARVAE; CULEX QUINQUEFASCIATUS; PATHOGENICITY.

0833 SUNARYADI. [The effect of *Sapindus rarak* saponin for ammonia nitrogen production, VFA and rumen bacteria in ruminants]. Pengaruh saponin buah lerak (*Sapindus rarak*) terhadap produksi nitrogen amonia, VFA, dan sintesis protein mikroba rumen ternak ruminansia/Sunaryadi; Rita, W.; Oktavidiati, E.; Nuhaita (Universitas Bengkulu (Indonesia). Fakultas Pertanian). Jurnal Peternakan dan Lingkungan (Indonesia) ISSN 0852-4092 (2001) v. 7(3) p. 32-37 3 ill., 11 ref. Summary (En)

RUMINANTS; SAPONINS; BACTERIA; PROTOZOA; AMMONIA; MICRO-ORGANISMS; RUMEN.

0834 SUPAR. Development of fowl cholera vaccine: I. protection of *Pasteurella multocida* local isolate vaccine against challenge of homologous and heterologous strains. Pengembangan vaksin kolera unggas: I. proteksi vaksin *Pasteurella multocida* isolat lokal pada ayam terhadap uji tantangan galur homolog dan heterolog/Supar; Setiadi, Y.;

Djaenuri; Kurniasih, N.; Poerwadikarta, B.; Sjafei (Balai Penelitian Ternak, Bogor (Indonesia)). Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN. 0853-7380 (2001) v. 6(1) p. 59-67 10 ill., 11 ref. Summaries (En,In)

CHICKENS; FOWL CHOLERA; PASTEURELLA MULTOCIDA; VACCINES; ANTIBODIES ELISA.

0835 WIJFFELS, G. Bacterial expression of larval peritrophins of *Chrysomya bezziana*. Ekspresi bakterial dari peritrofin larva *Chrysomya bezziana*/Wijffels, G.; (Universitas Queensland, St Lucia, Queensland (Australia)CSIRO Livestock Industries. Molecular Animal Genetics Centre); Muharsini, S.; Supriyanti, F.. Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN 0853-7380 (2002) v. 5(3) p. 170-176 5 ill., 1 table; 9 ref. Summaries (En,In)

CHRYSOMYA; LARVAE; MOLECULAR CLONING; ANTIGENS; RECOMBINANT PROTEINS; ESCHERICHIA COLI; ELECTROPHORESIS.

M12 AQUACULTURE PRODUCTION AND MANAGEMENT / PRODUKSI DAN PENGELOLAAN BUDIDAYA PERAIRAN

0836 ASTUTI, H. [Light intensity its effect on growth and survival rate of *Cromileptes altivelis* larvae]. Intensitas cahaya, pengaruhnya terhadap pertumbuhan dan laju sintasan larva kerapu tikus (*Cromileptes altivelis*)/Astuti, H.. [Compilation Papers on Academic Seminar University Level]. Kumpulan Makalah Seminar Akademik Tingkat Universitas / Universitas Gadjah Mada, Yogyakarta (Indonesia). Yogyakarta: Universitas Gadjah Mada, 1999 (pt. 1) 4p. 11 ref.

LARVAE; SURVIVAL; LIGHT REQUIREMENTS; GROWTH; ROTIFERA; CHLORELLA.

0837 RACHMANSYAH. [Rearing of *Epinephelus* in floating net cage]. Pembesaran ikan kerapu dalam keramba jaring apung/Rachmansyah; Ratnawati, E.; Mangawe, A.G. (Balai Penelitian Perikanan Pantai, Maros (Indonesia)). [Proceedings of the Seminar on Agricultural Technology Package Application in Central Sulawesi

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EPINEPHELUS; CAGE CULTURE; FISH CULTURE; MARKETS; PRICES; FEEDING; DISEASE CONTROL; FISHING METHODS; COST BENEFIT ANALYSIS.

0838 RUSAINI. [Study on chemico-physical quality of water of tiger shrimp brackishwater cultured traditionally]. Studi kualitas sifat kimia perairan tambak udang windu (*Penaeus monodon* Fabricius) yang dikelola secara tradisional/Rusaini; Nasmia (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian); Amin. Jurnal Agroland (Indonesia) ISSN 0854-641X (2001) v. 8(3) p. 328-334 3 tables; 15 ref. Summaries (En,In)

PENAEUS MONODON; BRACKISH WATER; PONDS; WATER QUALITY; CHEMICO-PHYSICAL PROPERTIES; GROWTH.

0839 SARNITA, A.S. [Role of fisheries on agribusiness development in swamp soils]. Peran perikanan dalam pengembangan usaha pertanian di lahan rawa/Sarnita, A.S. (Pusat Penelitian dan Pengembangan Perikanan, Jakarta (Indonesia)). [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 423-431 5 ref. Summary (In)

OREOCHROMIS NILOTICUS; MYSTUS; TRICHOGASTER; ANABASIS; FISH CULTURE; SWAMP SOILS; TECHNOLOGY.

0840 SIGILIPU, L. [Potential and constraint fish culture in Poso Regency]. Potensi dan kendala budidaya ikan laut/demersal di Kabupaten Poso/Sigilipu, L.. [Proceedings of the Seminar on Agricultural Technology Package Application in Central Sulawesi

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FISHERY RESOURCES; SALTWATER FISHES; MARINE FISHERIES; FISH CULTURE; FISHERIES DEVELOPMENT; CAPITAL; SULAWESI.

M40 AQUATIC ECOLOGY / EKOLOGI PERAIRAN

0841 LOEKMAN, S. [Phenolic content analysis and *Macrozoobenthos* diversity on plywood industrial wastes in Kubang Kecamatan Siak Hulu] . Analisis kadar fenol dan keanekaragaman *Macrozoobenthos* sekitar buangan limbah plywood pada sungai Kubang Kecamatan Siak Hulu/ Loekman, S.; Harahap, S.; Monalisa (Universitas Riau, Pekanbaru (Indonesia))Loekman, S.; Harahap, S.; Monalisa (eds.) Universitas Riau, Pekanbaru (Indonesia). Pekanbaru (Indonesia): UNRI, 2000 39 p. 12 tables; 28 ref. Summary (In)

BENTHOS; PHENOLIC COMPOUNDS; DOMINANT SPECIES; RIVERS; INDUSTRIAL WASTES; PLYWOOD; WATER QUALITY; WATER POLLUTION.

0842 SIREGAR, A.Z. Seasonal composition and distribution of aquatic insects in the Kerian River Basin (KRB), Malaysia. Komposisi dan penyebaran musiman serangga akuatik di Lembah Sungai Kerian (LSK), Malaysia/Siregar, A.Z.; Rawi, S.Md.; Ahmad, A.H. (Universiti Sains Malaysia)Budi, R.S.. Jurnal Penelitian Pertanian (Indonesia) ISSN 0152-1197 (Jun 2001) v. 20(1) p. 14-25 6 ill., 2 tables; 29 ref. Summaries (En,In)

AQUATIC INSECTS; POPULATION STRUCTURE; POPULATION DISTRIBUTION; RIVERS; MALAYSIA.

0843 SIREGAR, A.Z. Seasonal composition and distribution of aquatic insects in the Kerian River Basin (KRB), Malaysia. Komposisi dan penyebaran musiman serangga akuatik di Lembah Sungai Kerian (LSK), Malaysia/ Siregar, A.Z.; Rawi, S.Md.; Ahmad, A.H. (Universiti Sains Malaysia)Budi, R.S.. Jurnal Penelitian Pertanian (Indonesia) ISSN

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AQUATIC INSECTS; POPULATION STRUCTURE; POPULATION DISTRIBUTION; RIVERS; MALAYSIA.

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

0844 GULTOM, B. [Equipment and agricultural machine technology support on conservation tillage farming system]. Dukungan teknologi alat dan mesin pertanian pada sistem usahatani olah tanah konservasi/Gultom, B.; Hendriadi, A. (Balai Besar Pengembangan Alat dan Mesin Pertanian, Jakarta (Indonesia)); Zakaria, Z.. [Proceeding of the 6th National Seminar on Conservation Tillage]. Prosiding Seminar Nasional VI: Budidaya Pertanian Olah Tanah Konservasi/Irfan, Z.; Lamid, Z.; Jahja, D.; Irawati; Ardi (eds.) . Padang (Indonesia): Himpunan Ilmu Gulma Indonesia, 1998. Prosiding Seminar Nasional VI Budidaya Pertanian Olah Tanah Konservasi (Indonesia) ISSN 0216-8308 (1998) (no.6) p. 35-45 5 ill., 3 tables; 19 ref.

FOOD CROPS; CONSERVATION TILLAGE; FARMING SYSTEMS; FARM EQUIPMENT; ENGINEERING; MECHANIZATION.

0845 KINDANGEN, J.G. [Technology introduction assessment of dryer of cacao seeds]. Pengkajian introduksi teknologi alat pengering biji kakao sederhana/Kindangen, J.G.; Aksono, R.; Anasiru, R.H. (Balai Pengkajian Teknologi Pertanian Biromaru, Palu (Indonesia)). [Proceedings of the Seminar on Technology Package Application in Central Sulawesi (Indonesia)]. Prosiding Aplikasi Paket Teknologi Pertanian Sulawesi Tengah/Rangkuti, M.; Rusastra, IW.; Limbongan, J.; Slamet, M.; Syam, A.; Bulo, D. (eds.) Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia). Bogor (Indonesia): Pusat Penelitian Sosial Ekonomi Pertanian, 2000 p. 56-64 2 ill., 2 tables.; 6 ref. Summary (In)

COCOA BEANS; FERMENTATION; MECHANICAL METHODS; PEELING; YIELDS; MARKETING; SEED; QUALITY.

0846 LAY, A. [Integrated sago processing machine]. Alat pengolahan sagu mekanis sistem terpadu/Lay, A.; Allorerung, D. (Balai Penelitian Tanaman Kelapa dan Palma Lain, Sukabumi (Indonesia)); Handaka. [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999 p. 277-292 3 ill., 2 tables; 16 ref. Summary (In)

SAGO; NONCEREAL FLOURS; FOOD TECHNOLOGY; FOOD INDUSTRY EQUIPMENT; COST BENEFIT ANALYSIS; PROCESSING.

0847 LAY, A. [Technological engineering semi mechanical presses for coconut milk at farmers scale]. Rekayasa teknologi alat pengepres santan semi mekanis petani/Lay, A. ((Balai Penelitian Tanaman Kelapa dan Palma Lain, Manado (Indonesia)) ; Pandean, E.J.. Buletin Palma (Indonesia) ISSN 0215-0646 2001 no.(27) p. 40-53 1 ill., 6 tables; 19 ref. Summary (In) Appendices

COCONUT MILK; PRESSES; EQUIPMENT; TECHNOLOGY.

0848 LUBIS, S. [Component of atomizer/sprayer on small scale huller machine]. Komponen pengabut air pada alat penyosoh beras berskala kecil/Lubis, S.; Sudaryono; Rachmat, R.; Nugraha, S. (Instalasi Penelitian Tanaman padi, Karawang (Indonesia)). Berita Puslitbangtan (Indonesia) ISSN 0852-6230 (2001) (no. 22) p. 8-9 1 table; 4 ref.
RICE; POSTHARVEST EQUIPMENT; HUSKING; QUALITY.

0849 NOOR, I. [Effect of various gears and cilinder circle speed of threshers on quality of rice]. Mutu gabah dan beras pada penggunaan berbagai model gigi dan kecepatan putaran silinder perontok/Noor, I.; Muhammad; Noor, H.D. (Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia)). [Food

crops management in swamp lands]. Pengelolaan tanaman pangan lahan rawa/Prayudi, B.; Sabran, M.; Noor, I.; Ar-Riza, I.; Partohardjono, S.; Hermanto (eds.) Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia). Banjarbaru (Indonesia): BALITTRA, 2000 p. 493-499 2 tables; 7 ref. Summary (In) Appendix

RICE; QUALITY; HARVESTERS; THRESHERS; THRESING.

0850 PRAYITNO, S. [Plant and agricultural machinery system analysis on lowland rice production using plant growth model]. Analisis sistem tanaman dan mesin pertanian pada produksi padi sawah menggunakan model pertumbuhan tanaman/Prayitno, S. (Universitas Muhammadiyah, Jakarta (Indonesia). Fakultas Teknik). Kultum (Indonesia) ISSN 0854-7246 (1997) v. 5(13) p. 74-83 1 ill., 1 table; 5 ref. Summary (In)

IRRIGATED RICE; FARM EQUIPMENT; GROWTH; AGRICULTURAL PRODUCTS; PRODUCTION ECONOMICS; MODELS.

0851 SABARI, S.D. Effectiveness of collector on papaya latex lanching for papain production. Efektivitas penampung dalam penyadapan getah pepaya untuk produksi papain/Sabari, S.D. (Pusat Penelitian dan Pengembangan Hortikultura, Jakarta (Indonesia)); Satriyo, B.; Mulyani, T.; Broto, W.; Yuni, S.. Jurnal Hortikultura (Indonesia) ISSN. 0853-7097 (2001) v. 11(3) p. 182-195 5 ill., 3 tables; 18 ref. Summaries (En,In)

CARICA PAPAYA; PAPAIN; LATEX; TAPPING; EQUIPMENT.

0852 SEMBIRING, E.N. [Strategy of agricultural equipment and machine development to support the farming system in swamp land]. Pengembangan alsintan untuk mendukung usahatani di lahan rawa/Sembiring, E.N.; Hermawan, W.; Suastawa, I.N. (Institut Pertanian Bogor (Indonesia)). [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor

(Indonesia): PUSLITBANGTAN, 2000 p. 229-247 4 ill., 9 tables; 18 ref. Summary (In)

FOOD CROPS; SWAMP SOILS; AGRICULTURAL WORKERS; FARMERS; EQUIPMENT; MECHANICAL ENGINEERING; DESIGN; FARMING SYSTEMS; INDONESIA.

P01 NATURE CONSERVATION AND LAND RESOURCES / KONSERVASI SUMBER DAYA ALAM DAN SUMBER DAYA LAHAN

0853 KARAMA, A.S. [Role of zero tillage conserving rice sufficiency]. Peranan tanpa olah tanah (TOT) dalam usaha melestarikan swasembada beras/Karama, A.S. (Departemen Pertanian, Jakarta (Indonesia)); Noor, E.S.. [Proceeding of the 6th National Seminar on Conservation Tillage]. Prosiding Seminar Nasional VI: Budidaya Pertanian Olah Tanah Konservasi/Irfan, Z.; Lamid, Z.; Jahja, D.; Irawati; Ardi (eds.) . Padang (Indonesia): Himpunan Ilmu Gulma Indonesia, 1998. Prosiding Seminar Nasional VI Budidaya Pertanian Olah Tanah Konservasi (Indonesia) ISSN 0216-8308 (1998) (no.6) p. 3-13 7 tables; 16 ref.

RICE; ZERO TILLAGE; PRODUCTION INCREASE; SELF SUFFICIENCY; IRRIGATED LAND; RAINFED FARMING; DRY FARMING; YIELDS.

0854 SURATMAN. [Managing of tidal lands suitable with its characteristic]. Mengelola lahan rawa pasang surut sesuai dengan karakteristiknya/Suratman. Warta Sumber Daya Lahan (Indonesia) ISSN 1410-9778 (1999) v. 1(2) p. 15-18 1 table

SWAMP SOILS; TIDES; LAND MANAGEMENT; LAND SUITABILITY.

P10 WATER RESOURCES AND MANAGEMENT / SUMBER DAYA AIR DAN PENGELOLAANNYA

0855 BASRI, H. Evaluation of hydrological response of Krueng Jreue watershed using computer simulation of tank model. Evaluasi respon hidrologis sub DAS Krueng Jreue dengan simulasi komputer tank model/ Basri, H.(Universitas Syiah Kuala Banda Aceh (Indonesia)); Shahrul; Nursidah . Jurnal

Agrista (Indonesia) ISSN. 1410-3389 (2002) v. 6(1) p. 7-18 5 ill., 14 ref. Summary (En)

SUMATRA; HYDROLOGY; WATERSHEDS; LAND USE; RUNOFF.

0856 DARUSMAN. Water requirement and climatological soybean land suitability under different climatic regimes in Aceh. Kebutuhan air dan kesesuaian klimatologi kedelai di beberapa zona iklim Aceh/ Darusman Pusat Penelitian dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999. Jurnal Agrista (Indonesia) ISSN. 1410-3389 (2002) v. 6(1) p. 1-6 3 ill., 4 tables; 14 ref. Summary (En)

GLYCINE MAX; WATER REQUIREMENTS; CLIMATOLOGY; LAND SUITABILITY; CLIMATIC ZONES; SUMATRA.

0857 IDJUDDIN, A.A. [Water management as an effort land hydromelioration]. Pengelolaan tata air sebagai upaya hidromeliorasi lahan/Idjuddin, A.A. (Pusat Penelitian Tanah dan Agroklimat, Bogor (Indonesia)). [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 283-294 4 tables; 11 ref. Summary (In)

SUMATRA; WATER MANAGEMENT; SWAMP SOILS; LAND PRODUCTIVITY.

0858 IRIANTO, G. Modification of watershed production function on the paddy field by terracing and their influences on the characteristics of peak discharge and the time to peak discharge of watershed. Modifikasi fungsi produksi daerah aliran sungai dengan terasering pada tanah sawah serta pengaruhnya terhadap karakteristik debit puncak dan waktu respon daerah aliran sungai/Irianto, G. (Pusat Penelitian Tanah dan Agroklimat, Bogor (Indonesia)). Jurnal Tanah dan Iklim (Indonesia) ISSN 1410-7244 (1999) (No. 17) p. 39-47 3 ill., 4 tables; 16 ref. Summaries (En,In)

RICE FIELDS; WATERSHEDS; PRODUCTION FUNCTIONS; RIVER TERRACE SOILS; WATER AVAILABILITY; WATER RESERVOIRS; WATER HOLDING CAPACITY; SURFACE WATER.

0859 PURWANTO, E. . [Uses of *Moringa oleifera* seeds to purify the water of Siak river in Pekanbaru city, Sumatra (Indonesia)]. Pemanfaatan biji kelor (*Moringa oleifera*) untuk penurunan tingkat kekeruhan air sungai Siak Kotamadya Pekanbaru/Purwanto, E.(Universitas Riau, Pekanbaru (Indonesia). Lembaga Penelitian); Mubarak; Evawani; Budijono . Pekanbaru (Indonesia): Lembaga Penelitian Unri, 2000 16 p. 4 tables; 11 ref. Summary (In)

MORINGA OLEIFERA; FLAVOUR; COAGULATING; TURBIDITY; WATER PURIFICATION; RIVERS; STATISTICAL METHODS.

0860 RAHAYU, S. Ion selective electrode methode as an alternative method for ammonia determination in water. Metode selektif ion elektrode sebagai alternatif penetapan amonia dalam air /Rahayu, S.; Jursal (Pusat Penelitian dan Pengembangan Sumber Daya Air, Bandung (Indonesia)). Warta Akab (Indonesia) ISSN 0215-9929 (2001) (no. 13) p. 19-26 3 ill., 5 tables; 5 ref. Summary (En)

AMMONIA; WATER MANAGEMENT; ELECTRODES; RIVERS.

P32 SOIL CLASSIFICATION AND GENESIS / KLASIFIKASI DAN PEMBENTUKAN TANAH

0861 SUKARMAN. Characteristics of soils derived from andesitic rock covered with volcanic ash and pumice tuff in Kimangbuleng Mountain, Flores, East Nusa Tenggara (Indonesia). Karakteristik tanah berbatuan induk batuan andesit yang tertutup abu vulkan dan tufa batu apung di Gunung Kimangbuleng, Flores, Nusa Tenggara Timur/Sukarman; Djaenudin, D.; Suhardjo, H. (Pusat Penelitian Tanah dan Agroklimat, Bogor (Indonesia)). Jurnal Tanah dan Iklim (Indonesia) ISSN 1410-7244 (1999) (No. 17) p. 14-26 1 ill., 7 tables; 32 ref. Summaries (En,In)

NUSA TENGGARA; SOIL MORPHOLOGICAL FEATURE; ANDOSOLS; SOIL CHEMICOPHYSICAL PROPERTIES; ROCK; TUFF; VOLCANIC SOILS; PUMICE; MINERAL CONTENT; SOIL CLASSIFICATION.

P33 SOIL CHEMISTRY AND PHYSICS / KIMIA DAN FISIKA TANAH

0862 BANGUN, P. [Herbicide residue on soil and water in rice field]. Residu herbisida pada tanah dan air di lahan sawah/Bangun, P.; Soejitno, J. (Balai Penelitian Tanaman Padi, Sukamandi (Indonesia))Ardiwinata, A.N.; Harsanti, E.S.; Purwanti, H.; Sasa, I J.. Berita Puslitbangtan (Indonesia) ISSN 0852 6230 (2001) (no. 21) p. 7-8 3 tables; 2 ref.

RICE FIELDS; SOIL CHEMICOPHYSICAL PROPERTIES; HERBICIDES; RESIDUES; GROWTH; YIELDS.

0863 DOHONG, S. Several derivate of phenolic acids content of peat soil of Central Kalimantan (Indonesia) on different environment of peat formation. Kandungan beberapa derivat asam fenolat dalam tanah gambut Kalimantan Tengah berdasarkan lingkungan pembentukannya/ Dohong, S. (Universitas Palangkaraya (Indonesia). Fakultas Pertanian); Sabiham, S.. Jurnal Agrista (Indonesia) ISSN 1410-3389 (2001) v. 5(3) p. 197-203 1 ill., 3 tables; 17 ref. Summary (En)

PEAT SOILS; SOIL CHEMICOPHYSICAL PROPERTIES; PHENOLIC ACIDS; LIGNINS;KALIMANTAN.

0864 HIKMATULLAH. Characterization of Andosols derived from volcanic ash in the Flores Island, East Nusa Tenggara Province (Indonesia). Karakterisasi Andosols berkembang dari abu vulkanik di Pulau Flores, Propinsi Nusa Tenggara Timur/Hikmatullah; Subagyo; Sukarman, H.; Prasetyo, B.H. (Pusat Penelitian Tanah dan Agroklimat, Bogor (Indonesia)). Jurnal Tanah dan Iklim (Indonesia) ISSN 1410-7244 (1999) (No. 17) p. 1-13 2 ill., 7 tables; 28 ref. Summaries (En,In)

NUSA TENGGARA; ANDOSOLS; SOIL CHEMICOPHYSICAL PROPERTIES; VOLCANIC SOILS; SOIL MORPHOLO-

GICAL FEATURE; MINERAL CONTENT; SOIL WATER CONTENT; TUFF.

0865 PRASETYO, B.H. Mollisols of East Nusa Tenggara: Their mineral composition, physical, chemical, and morphological properties (Indonesia). Mollisols di daerah Nusa Tenggara Timur: komposisi mineral, sifat-sifat fisik, kimia dan morfologinya/ Prasetyo, B.H.; Hikmatullah; Subagyo, K.;Sosiawan, H. (Pusat Penelitian Tanah dan Agroklimat, Bogor (Indonesia)). Jurnal Tanah dan Iklim (Indonesia) ISSN 1410-7244 (1999) (No. 17) p. 26-38 2 ill., 9 tables; 19 ref. Summaries (En,In)

NUSA TENGGARA; MINERAL SOILS; SOIL CHEMICOPHYSICAL PROPERTIES; MINERAL CONTENT; SOIL CLASSIFICATION; SOIL PORE SYSTEM; RAIN.

P34 SOIL BIOLOGY / BIOLOGI TANAH

0866 ARIANI, D. [*Azospirillum* bacteria: characteristic and its potential as biofertilizers]. Bakteri *Azospirillum*: sifat dan potensinya sebagai pupuk hayati/Ariani, D. (Pusat Penelitian dan Pengembangan Bioteknologi, Bogor (Indonesia)). Warta Biotek (Indonesia) ISSN 0215-2835 (2000) v. 14(2) p. 24-27 1 table; 18 ref. Summary (In)

MONOCOTYLEDONS; AZOSPIRILLUM; BACTERIA; SPECIES; RHIZOSPHERE; IAA; KINETIN; AUXINS; CYTOKININS; SOIL BIOLOGY; MICROORGANISMS; RHIZOBIUM; BIOFERTILIZERS.

P35 SOIL FERTILITY / KESUBURAN TANAH

0867 ABDURACHMAN, A. [Role of tillage on soil fertility (physical, chemical and biology). Peranan pengolahan tanah dalam peningkatan kesuburan(fisika, kimia, dan biologi) tanah/Abdurachman, A.; Dariah, A.; Rachman, A. (Pusat Penelitian Tanah dan Agroklimat, Bogor (Indonesia)). [Proceeding of the 6th National Seminar on Conservation Tillage]. Prosiding Seminar Nasional VI: Budidaya Pertanian Olah Tanah Konservasi/Irfan, Z.; Lamid, Z.; Jahja, D.; Irawati; Ardi (eds.) . Padang (Indonesia): Himpunan Ilmu Gulma Indonesia, 1998. Prosiding Seminar Nasional VI Budidaya

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12 tables; 16 ref.

FOOD CROPS; CONSERVATION;
TILLAGE; SOIL FERTILITY; SOIL
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0868 SUBOWO. [Worm activities on
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OLIGOCHAETA; SOIL FERTILITY;
RHIZOBIUM.

**P36 SOIL EROSION, CONSER-
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0869 BULO, D. [Development pattern of
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Femmi, N.F. (Balai Pengkajian Teknologi
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GREENFEED; PENNISETUM
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0870 EDWARSYAH. Study of erosion effect
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SUMATRA; WATERSHEDS; EROSION;
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0871 MAAS, A. [Reclamation system and
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0872 NAPITUPULU. [Reclamation system
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SUMATRA; KALIMANTAN; WATER MANAGEMENT; RECLAMATION; SWAMP SOILS; AGRICULTURAL DEVELOPMENT.

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P40 METEOROLOGY AND CLIMATOLOGY / CUACA DAN IKLIM

0875 ARIFFIN. [Utilization of weather information system for developing prediction model of rice production in Banyuwangi (East

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0876 SUJALU, A.P. Land water balance analysis at Pasir district. Analisis neraca air lahan di Kabupaten Pasir/Sujalu, A.P. (Universitas 17 Agustus 1945, Samarinda (Indonesia). Fakultas Pertanian). Jurnal Budidaya Pertanian (Indonesia) ISSN. 0852-287X (Sep. 2000) v. 6(2) p. 113-122 1 ill.; 7 tables; 11 ref. Summary (En)

FOOD CROPS; SOIL WATER BALANCE; CLIMATIC FACTORS; RAIN; WATER REQUIREMENTS.

Q01 FOOD SCIENCE AND TECHNOLOGY / ILMU-ILMU DAN TEKNOLOGI MAKANAN

0877 SALEH, N. [Food diversification of tuber crops]. Penganekaragaman pangan melalui produk strategis berbahan baku umbi-umbian/Saleh, N.; Kasno, A.; Hartojo, K. (Balai Penelitian Tanaman Kacang-Kacangan dan Umbi-Umbian, Malang (Indonesia)). Berita Puslitbangtan (Indonesia) ISSN 0852-6230 (2001) (no. 22) p. 1-3 1 ill., 1 table; 4 ref.

CASSAVA; SWEET POTATOES; TUBERS; FOOD TECHNOLOGY; NONCEREAL FLOURS; FLOURS; PROCESSED PLANT PRODUCTS; NUTRITIVE VALUE; PROXIMATE COMPOSITION.

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0878 ALAMSYAH, R. Effect of NaHSO₃, and CaO addition on drying characteristics of sliced ginger. Pengaruh penambahan NaHSO₃ dan CaO terhadap karakteristik pengeringan jahe rajangan/Alamsyah, R. (Balai Besar Penelitian dan Pengembangan Industri Hasil

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0879 AZIMA, F. Evaluation of dadih quality made from different types of milks and their mixture. Evaluasi mutu dadih yang dibuat dari beberapa jenis susu dan campurannya/Azima, F.. *Jurnal Penelitian Andalas (Indonesia)* v. 8(22) p. 72-79 (1996) 1 ill., 4 tables.; 9 ref. Summary (En)

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0880 BARLINA, R. [Preservation of coconut toddy using natural sources for sugar raw material]. Pengawetan nira kelapa dengan bahan alami untuk bahan baku gula/Barlina, R.; Karouw, S.; Mawikere, J. (Balai Penelitian Tanaman Kelapa dan Palma Lain, Manado (Indonesia)). *Buletin Palma (Indonesia)* ISSN 0215-0646 2001 no.(27) p. 21-26 4 ill., 4 tables; 7 ref. Summary (In)

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0881 DARNOKO. [Membrane technology application in palm oil processing and its by products]. Aplikasi teknologi membran pada pengolahan minyak sawit dan produk turunannya/Darnoko (Pusat Penelitian Kelapa Sawit, Medan (Indonesia)). [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999 p. 365-373 3 ill., 2 tables; 19 ref. Summary (In)

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0882 JUMALI. [Introducing of pineapple processing technology to support pineapple agroindustry in tidal land at West Kalimantan (Indonesia). Introduksi teknologi pengolahan nanas untuk menunjang agroindustri nanas di lahan pasang surut Kalimantan Barat/Jumali; Sutrisno; Alihamsyah, T. (Balai Penelitian Tanaman Padi, Sukamandi (Indonesia)). [Proceedings of National the Seminar on Research and Development of Swamp Land : book 1]. Prosiding Seminar Nasional Penelitian dan Pengembangan Pertanian di Lahan Rawa : Buku 1/Ananto, E.E.; Ismail, I.G.; Subagio; Suwarno; Djajanegara, A.; Supriadi, H. (eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor (Indonesia): PUSLITBANGTAN, 2000 p. 385-392 4 tables; 5 ref. Summary (In)

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0883 KAROUW, S. [Processed coconut and palmae products]. Produk-produk hasil olahan kelapa dan palma/Karouw, S. (Balai Penelitian Tanaman Kelapa dan Palma Lain, Manado (Indonesia)). *Buletin Palma (Indonesia)* ISSN 0215-0646 2001 no.(27) p. 85-93 6 ref. Summary (In)

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0884 LAKSMANAHARDJA, M.P. [Processing tool for white pepper]. Alat pengolah lada putih/Laksmahardja, M.P.; Hidayat, T.; Risfaheri (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman

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0885 PURNOMO, E. [Small sugar processing technology at the remote area by using inter-processor units]. Teknologi pengolahan gula rakyat di daerah terpencil menggunakan unit prosesor antara/Purnomo, E.; Nahdojin; Kurniawan, Y. (Pusat Penelitian Perkebunan Gula Indonesia, Pasuruan (Indonesia)). [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999 p. 390-404 4 ill., 6 tables; 7 ref. Summary (In). Appendices

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0886 SONDARI, D. Preparation an characterization of nikel/oxide silica catalyst. Preparasi dan karakteristik katalis nikel/silika oksida/Sondari, D. (Pusat Penelitian dan Pengembangan Kimia Terapan, Serpong (Indonesia)). Warta Akab (Indonesia) ISSN 0215-9929 (2001) (no. 13) p. 53-58 3 ill., 1 tables; 7 ref. Summary (En)

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0888 SYURYAWATI. [Processing and opportunity of raw material for fried maize]. Proses pembuatan dan peluang pengembangan bahan baku jagung marning/Syuryawati; Maamun, M.Y.; Sarasutha, I G.P.; Margaretha, S.L.; Tahir, M. (Balai Penelitian Tanaman Jagung dan Sereal Lain, Maros (Indonesia)). Berita Puslitbangtan (Indonesia) ISSN 0852 6230 (2001) (no. 21) p. 4-5 1 ill., 2 ref.

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0889 TIRTOSASTRO, S. [Alternative energysource application and energy efficiency on virginia tobacco processing to support nasional energy policy]. Penggunaan sumber energi alternatif dan efisiensi energi pada pengolahan tembakau virginia untuk mendukung kebijaksanaan energi nasional/Tirtosastro, S.; Hastono, A.D.; Darmono; Soebandi (Balai Penelitian Tembakau dan Tanaman Serat, Malang (Indonesia)). [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman

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Q04 FOOD COMPOSITION / KOMPOSISI MAKANAN

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0894 SARONO. [Effect of delay times before frying and used of baking powder on the quality of cassava stick]. Pengaruh waktu tunda penggorengan dan bahan pengembangan makanan terhadap mutu cassava stick/Sarono; Hidayat, B. (Politeknik Negeri Bandar Lampung (Indonesia). Program Studi Teknologi Pangan). Jurnal Agroland (Indonesia) ISSN 0854-641X (2001) v. 8(4) p. 372-376 3 ill., 1 table; 8 ref. Summaries (En,In)

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PALM OILS; FRACTIONATION; DISTILLING; UNSATURATED FATTY ACIDS; EMS; THIN LAYER CHROMATOGRAPHY; EPOXY COMPOUNDS; BIOPESTICIDES.

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0897 HILYATI. Preparation of non-ionic surfactant of polyethylene glycol ester from stearic acid produced by crude palm oil. Pembuatan surfactan non ionik polietilen glikol ester dari asam stearat minyak sawit/Hilyati (Pusat Penelitian dan Pengembangan Kimia Terapan, Serpong (Indonesia)). Warta Akab (Indonesia) ISSN 0215-9929 (2001) (no. 13) p. 31-43 8 ill., 1 table; 7 ref. Summary (En)

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0898 MUHADJIR, I. The technique of efficient fragrance extraction from chrysanthemum flowers. Teknik ekstrak fragrans bunga krisan yang efisien/Muhadjir, I.; Dondy, ASB. (Balai Penelitian Tanaman Hias, Jakarta (Indonesia)). Jurnal Hortikultura

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0900 RUSLI, S. [Distillation tools for essential oils]. Alat penyulingan minyak atsiri/Rusli, S. (Balai Penelitian Tanaman Rempah dan Obat, Malang (Indonesia)). [Proceeding of the Third Symposium on Research Result and Estate Crops Development : Science and technology application to increase competitive ability of estate crops industry toward the third millenium]. Prosiding Simposium ke III Hasil Penelitian dan Pengembangan Tanaman Perkebunan : Penerapan Iptek untuk meningkatkan daya saing industri perkebunan menghadapi millenium III/Pusat Penelitian dan Pengembangan Tanaman Perkebunan, Bogor (Indonesia). Bogor (Indonesia): Puslitbang Tanaman Perkebunan, 1999 p. 336-352 7 ill., 2 tables; 10 ref. Summary (In). Appendix

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