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**A50 AGRICULTURAL RESEARCH/
PENELITIAN PERTANIAN**

0301 BADAN PENELITIAN DAN PENGEMBANGAN DAERAH, JAWA TIMUR. [Aim and policy of regional agricultural research and development to support agricultural development in East Java (Indonesia)]. Arah dan kebijaksanaan Balitbangda dalam mendukung pembangunan pertanian di Jawa Timur/Badan Penelitian dan Pengembangan Daerah, Jawa Timur (Indonesia). [Proceedings of the Workshop on Priority Compilation of Program and Strategic Planning of Agricultural Development in East Java (Indonesia)]. Prosiding Lokakarya Penyusunan Prioritas Program dan Perencanaan Strategis Pembangunan Pertanian Jawa Timur/Sugiyarto, M.; Widajati, E.; Santosa, B.; Suwandoyo (eds.) Balai Pengkajian Teknologi Pertanian Karangploso (Indonesia). Malang (Indonesia): BPTP Karang Ploso, 2000 p. 52-61. Prosiding BPTP Karangploso (Indonesia) ISSN 1410-9905 (no. 5)

RESEARCH INSTITUTIONS; REGIONAL GOVERNMENT; DEVELOPMENT POLICIES; AGRICULTURAL DEVELOPMENT; INTEGRATED RURAL DEVELOPMENT; FARM INCOME; SELF SUFFICIENCY; FOOD SECURITY; PRODUCTION INCREASE; JAVA.

0302 TJOKROSOEDARMO, A.H. [Comparative study about research result of ink fungi (*Cordicium salmonicolor*)]. Studi komparatif tentang hasil penelitian jamur upas/Tjokrosoedarmo, A.H. (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian). [Proceedings of Fifteenth National Congress and Scientific Seminar of Indonesian Phytopathology Association : role of tropical phytopathology on sustainable agricultural and forestry development]. Prosiding Kongres Nasional 15 dan Seminar Ilmiah Perhimpunan Fitopatologi Indonesia : peran fitopatologi tropika dalam pembangunan pertanian dan ketahanan yang berkelanjutan/ Universitas Jenderal Soedirman, Purwokerto (Indonesia). Purwokerto (Indonesia): UNSOED, 2000 p. 721-725 19 ref. Summary (En)

CROPS; FUNGAL DISEASES; HOST PLANTS; RESEARCH.

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

0303 FAGI, A.M. [Strategy of rice supply in 2010]. Strategi pemenuhan kebutuhan pangan beras 2010/Fagi, A.M.; Partohardjono, S.; Ananto, E.E. (Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia)) [Proceedings of the Seminar on National Rice Policy]. Kumpulan Makalah Seminar Kebijakan Perpadian Nasional/Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): Badan Litbang Pertanian, 2002 (pt. 3) 10 p. 4 tables; 11 ref.

RICE; FOOD SUPPLY; PRODUCTION INCREASE; INTENSIVE FARMING.

0304 RACHMAN, B. [Impact of insentive policy on rice competitiveness]. Dampak kebijaksanaan insentif terhadap daya saing usahatani padi/Rachman, B.; Sudaryanto, T. (Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia)). [Proceedings of the Seminar on National Rice Policy]. Kumpulan Makalah Seminar Kebijakan Perpadian Nasional/Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): Badan Litbang Pertanian, 2002 (pt. 8) 20 p. 12 tables; 8 ref.

RICE; FARMING SYSTEMS; PROFITABILITY; FARM INPUTS; FINANCIAL POLICIES; PRICES.

0305 SUHAETI, R.N. [Impact of economic crises on agricultural labour market in rural areas]. Dampak krisis ekonomi terhadap pasar tenaga kerja pertanian di pedesaan/Suhaeti, R.N. (Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2001) v. 23(2) p. 13-14

RURAL AREAS; ECONOMIC CRISES; AGRICULTURAL SECTOR; LABOUR MARKET.

0306 SULAEFI. . [Identification of potential and agriculture commodities development problem in West Sumatra area (Indonesia)]. Identifikasi potensi dan permasalahan pengembangan komoditas pertanian di wilayah Sumatera Barat/Sulaefi (Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia)). Jakarta (Indonesia): BPPT, 1999 11 p.

AGRICULTURAL PRODUCTS; AGRICULTURAL DEVELOPMENT; INDUSTRIAL DEVELOPMENT; TOURISM; IDENTIFICATION; SUMATRA.

0307 SUSILA, W.R. [Crude palm oil]. Kelapa sawit (CPO)/Susila, W.R. (Institut Pertanian Bogor (Indonesia)); Haryanto; Supriono, A.. [Trade liberalization of coffee and oil palm commodities]. Liberalisasi perdagangan pada komoditas kopi dan kelapa sawit/Susila, W.R.; Nainggolan, K.; Haryanto; Supriono, A.; Drajat, B. Asosiasi Penelitian Perkebunan Indonesia, Bogor (Indonesia). Bogor (Indonesia): APPI, 2000 p. 99-155 28 tables; 10 ref.

PALM OILS; ECONOMIC SECTORS; TRADE LIBERALIZATION; FARM INCOME; INDONESIA.

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

0308 RUSASTRA, I.W. [Performance of agricultural land conversion and anticipative strategy on its control]. Keragaan konversi lahan pertanian dan strategi antisipatif dalam penanggulangannya/Rusastra, I.W.; Budhi, G.S. (Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia)). [Agricultural development policy : analysis of anticipative and responsive policies]. Kebijakan pembangunan pertanian: analisis kebijaksanaan antisipatif dan responsif / Suryana, A.; Sudaryanto, T.; Mardianto, S. Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia). Bogor (Indonesia): PSE, 1997 p. 45-56. Monograph Series Pusat Penelitian Sosial Ekonomi Pertanian (Indonesia) (1997) (no. 17) 4 tables

FARMLAND; AGRICULTURAL DEVELOPMENT; LAND USE; LAND TRANSFER.

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

0309 SURATA, A. The financial analysis of Ganoderma. Analisis finansial jamur Ganoderma/Surata, A. (Universitas Pembangunan Nasional "Veteran", Yogyakarta (Indonesia)). Agr-UMY (Indonesia) ISSN 0854-4026 (2000) v. 8(2) p. 73-78 3 tables; 9 ref. Summary (En)

GANODERMA; FEASIBILITY STUDIES INVESTMENT; ECONOMIC ANALYSIS.

E14 DEVELOPMENT ECONOMICS AND POLICIES/EKONOMI DAN KEBIJAKAN PEMBANGUNAN

0310 BADAN PERENCANAAN PEMBANGUNAN DAERAH, JAWA TIMUR. [Optimization of agricultural resources empowerment to support regional anatomy in East Java (Indonesia)]. Optimasi pemberdayaan sumberdaya alam pertanian dalam mendukung pelaksanaan otonomi daerah Jawa Timur/Badan Perencanaan Pembangunan Daerah, Jawa Timur, Surabaya (Indonesia). [Proceedings of the Workshop on Priority Compilation of Program and Strategic Planning of Agricultural Development in East Java (Indonesia)]. Prosiding Lokakarya Penyusunan Prioritas Program dan Perencanaan Strategis Pembangunan Pertanian Jawa Timur/Sugiyarto, M.; Widajati, E.; Santosa, B.; Suwandoyo (eds.) Balai Pengkajian Teknologi Pertanian Karangploso (Indonesia). Malang (Indonesia): BPTP Karangploso, 2000 p. 18-26. Prosiding BPTP Karangploso (Indonesia) ISSN 1410-9905 (no. 5)

AGRICULTURAL DEVELOPMENT; NATURAL RESOURCES; PRODUCTION INCREASE; FOOD SECURITY; AGRICULTURAL ECONOMICS; ECONOMIC GROWTH; QUALITY OF LIFE; JAVA.

0311 BUDIANTO, J. [Challenge and opportunity 0311 BUDIANTO, J. [Challenge and opportunity of research and development of rice agribusiness perspective]. Tantangan dan peluang penelitian dan pengembangan padi dalam perspektif agribisnis/Budianto, J. (Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia)). [Proceedings of the Seminar on National Rice Policy]. Kumpulan Makalah Seminar Kebijakan

Perpadian Nasional/Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): Badan Litbang Pertanian, 2002 (pt. 1) 20 p. 17 ref.

ORYZA SATIVA; VARIETIES; PRODUCTION INCREASE; FARM INCOME; INTENSIVE FARMING; PROCESSED PLANT PRODUCTS; AGRO-ECOSYSTEMS; INNOVATION ADOPTION; TECHNOLOGY TRANSFER; AGRO-INDUSTRIAL SECTOR.

0312 DINAS PERTANIAN TINGKAT I PROPINSI JAWA TIMUR. [Reorientation of program and development of food crops and horticulture development to support regional autonomy in East Java (Indonesia)]. Reorientasi program dan kebijaksanaan pembangunan pertanian tanaman pangan dan hortikultura mendukung otonomi daerah di Jawa Timur/Dinas Pertanian Tingkat I Propinsi Jawa Timur, Surabaya (Indonesia). [Proceedings of the Workshop on Priority Compilation of Program and Strategic Planning of Agricultural Development in East Java (Indonesia)]. Prosiding Lokakarya Penyusunan Prioritas Program dan Perencanaan Strategis Pembangunan Pertanian Jawa Timur/Sugiyarto, M.; Widajati, E.; Santosa, B.; Suwandoyo (eds.) Balai Pengkajian Teknologi Pertanian Karangploso (Indonesia). Malang (Indonesia): BPTP Karang Ploso, 2000 p. 110-122. Prosiding BPTP Karangploso (Indonesia) ISSN 1410-9905 (no. 5)

FOOD CROPS; HORTICULTURE; AGRICULTURAL DEVELOPMENT; NATURAL RESOURCES; DIVERSIFICATION; FOOD SECURITY; AGROINDUSTRIAL SECTOR; PRODUCTION INCREASE; APPROPRIATE TECHNOLOGY; TECHNOLOGY TRANSFER; JAVA.

0313 HAFSAH, M.J. Reorientation on agriculture development in Indonesia. Reorientasi pembangunan pertanian di Indonesia/Hafsah, M.J. (Departemen Pertanian, Jakarta (Indonesia)). Jurnal Sosial Ekonomi Pertanian (Indonesia) ISSN 0853-8395 (2000) (no. 6) p. 9-25 1 ill., 2 tables; 12 ref. Summary (En)

INDONESIA; AGRICULTURAL DEVELOPMENT; ECONOMIC POLICIES; CONSTRAINTS; SOCIAL INSTITUTIONS.

0314 PASANDARAN, E. [Policies of agricultural research and development for regional autonomy]. Kebijakan penelitian dan pengembangan pertanian dalam rangka otonomi daerah/ Pasandaran, E.. [Proceedings of the Workshop on Priority Compilation of Program and Strategic Planning of Agricultural Development in East Java (Indonesia)]. Prosiding Lokakarya Penyusunan Prioritas Program dan Perencanaan Strategis Pembangunan Pertanian Jawa Timur/Sugiyarto, M.; Widajati, E.; Santosa, B.; Suwandoyo (eds.) Balai Pengkajian Teknologi Pertanian Karangploso (Indonesia). Malang (Indonesia): BPTP, 2000 p. 27-51. Prosiding BPTP Karangploso (Indonesia) ISSN 1410-9905 (no. 5) 3 ill.,

AGRICULTURAL DEVELOPMENT; NATURAL RESOURCES; DIVERSIFICATION; FARM INCOME; FOOD SECURITY; PRODUCTION INCREASE; AGROINDUSTRIAL SECTOR; FARMING-SYSTEMS; DECENTRALIZATION; TECHNOLOGY TRANSFER.

0315 SAHID, M. [Performance and concept of cotton development improvement in Indonesia]. Keragaan dan konsep perbaikan pengembangan kapas di Indonesia/Sahid, M. (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). [Cotton plant. Book 1]. Kapas. Buku 1/Balai Penelitian Tanaman Tembakau dan Serat. Malang (Indonesia): BALITTAS, 2001. Monograf Balittas (Indonesia) ISSN 0853-9308 (2001) (no. 7) p. 1-10 5 tables; 11 ref.

COTTON; CROP PERFORMANCE; PRODUCTION; IMPORTS; AGRICULTURAL DEVELOPMENT; RESEARCH INSTITUTIONS; FINANCIAL INSTITUTIONS; SEED; HUMAN RESOURCES; INDONESIA.

0316 SANTOSO, K. [Aim, strategy and model of agricultural development in the future]. Arah, strategi dan model pembangunan pertanian Jawa Timur di masa depan/Santoso, K.; Soetrisno; Januar, J.. [Proceedings of the Workshop on Priority Compilation of Program and Strategic Planning of Agricultural Development in East Java (Indonesia)]. Prosiding Lokakarya Penyusunan Prioritas Program dan Perencanaan Strategis Pembangunan Pertanian Jawa Timur/Sugiyarto, M.; Widajati, E.;

Santosa, B.; Suwandoyo (eds.) Balai Pengkajian Teknologi Pertanian Karangploso (Indonesia). Malang (Indonesia): BPTP Karang Ploso, 2000 p. 1-17. Prosiding BPTP Karangploso (Indonesia) ISSN 1410-9905 (no. 5) 12 ref.

AGRICULTURAL DEVELOPMENT; AGR-OINDUSTRIAL SECTOR; FARM INCOME; QUALITY OF LIFE; SUSTAINABILITY; FOOD SECURITY; HUMAN RESOURCES; FOOD SAFETY; APPROPRIATE TECHNOLOGY; TECHNOLOGY TRANSFER; JAVA.

0317 SULAEFI. . [Science and technology development and sustainability agricultural development]. Perkembangan IPTEK dan pembangunan pertanian berkelanjutan/ Sulaefi (Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia)). Jakarta (Indonesia): BPPT, 1999 20 p. 9 ref.

AGRICULTURAL DEVELOPMENT; SUSTAINABILITY; HUMAN RESOURCES; DIVERSIFICATION; AGRO-INDUSTRIAL SECTOR; BIO-TECHNOLOGY.

0318 SUYAMTO, H. [Strategy of engineering and development of specific location agricultural technology in East Java (Indonesia)]. Strategi perakitan dan pengembangan teknologi pertanian spesifik lokasi di Jawa Timur/Suyamto, H. (Balai Pengkajian Teknologi Pertanian, Karangploso (Indonesia)). [Proceedings of the Workshop on Priority Compilation of Program and Strategic Planning of Agricultural Development in East Java (Indonesia)]. Prosiding Lokakarya Penyusunan Prioritas Program dan Perencanaan Strategis Pembangunan Pertanian Jawa Timur/Sugiyarto, M.; Widajati, E.; Santosa, B.; Suwandoyo (eds.) Balai Pengkajian Teknologi Pertanian Karangploso (Indonesia). Malang (Indonesia): BPTP Karangploso, 2000 p. 62-75. Prosiding BPTP Karangploso (Indonesia) ISSN 1410-9905 (no. 5) 1 ill., 8 ref.

AGRICULTURE; TECHNOLOGY; EFFICIENCY; FARMERS; PARTICIPATION; EXTENSION ACTIVITIES; AGRO-INDUSTRIAL SECTOR; AGROCLIMATIC ZONES; TECHNOLOGY TRANSFER; JAVA.

E16 PRODUCTION ECONOMICS / EKONOMI PRODUKSI

0319 JAMAL, S. Rice production and its potential for sale at farm household level : a case of Maritengngae, Sub- district Sidrap, South Sulawesi. Produksi beras dan potensi produksi beras yang dapat dijual di tingkat rumah tangga petani : studi kasus di Kecamatan Maritengngae, Kabupaten Sidrap, Sulawesi Selatan/Jamal, S. (Universitas Hasanudin, Makasar (Indonesia)). Fakultas Pertanian). Jurnal Sosial Ekonomi Pertanian (Indonesia) ISSN 0853-8395 (2000) (no. 6) p. 45-52 3 tables; 4 ref. Summary (En)

RICE; PRODUCTION; SUPPLY; HOUSEHOLD CONSUMPTION; SULAWESI.

0320 PRAYITNO, S. . [Illustration of condition and potential of agriculture in Ciamis Regency, West Java Province (Indonesia)]. Gambaran kondisi dan potensi pertanian Kabupaten Daerah Tingkat II Ciamis, Propinsi Jawa Barat/Prayitno, S. Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 1997 9 p. 6 tables

FOOD CROPS; FRUIT CROPS; VEGETABLE CROPS; PRODUCTION; JAVA.

0321 SULAEFI. . [Research of superior agricultural commodities in Bali (Indonesia)]. Penelitian komoditas pertanian unggulan daerah di wilayah Bali/Sulaefi (Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia)). Jakarta (Indonesia): BPPT, 1999 13 p. 5 ref.

CITRUS; CATTLE; SWINE; CARP; AGRICULTURAL PRODUCTS; INSTITUTIONS; BALI.

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

0322 ALKADRI. [Assessment of technology content using technometric method]. Pengkajian kandungan teknologi dengan

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PALM OILS; ECONOMIC GROWTH; TECHNOLOGY; PRODUCTION; DEVELOPMENT POLICIES.

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E71 INTERNATIONAL TRADE / PERDAGANGAN INTERNASIONAL

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E73 CONSUMER ECONOMIC / EKONOMI KONSUMEN

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E90 AGRARIAN STRUCTURE / STRUKTUR AGRARIA

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0373 ASYIARDI. . Alternatif teknologi budidaya padi sawah di lahan pasang surut di Delta Telang Musi Banyuasin Sumatera Selatan (tipologi potensial tipe luapan B)/Asyiardi; Nurnayetti; Basri, I.H. (Balai Pengkajian Teknologi Sukarami, Padang (Indonesia)). Jurnal Penelitian Andalas (Indonesia) (2000) v. 12(32) p. 146-157 3 tables; 14 ref. Summary (En)

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DIRECT SOWING; SUMATRA.

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221 2 ill., 7 tables; 22 ref.

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COTTONSEED OIL; FEEDS; FATTY
ACIDS; AMINO ACIDS; CHEMI-
COPHYSICAL PROPERTIES.

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SYSTEMS; SPACING; WEED CONTROL;
NPK FERTILIZERS; FERTILIZER
APPLICATION; IRRIGATION; HARVEST-
ING; FLOODED LAND.

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GOSSYPIUM HIRSUTUM; CULTI-
VATION; PLANTING DATE; SEED;

VARIETIES; CROPPING SYSTEMS; FERTILIZERS; FERTILIZER APPLICATION; PEST CONTROL; DISEASE CONTROL; WEED CONTROL; HARVESTING; POSTHARVEST TECHNOLOGY; RAINFED FARMING.

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F02 PLANT PROPAGATION / PERBANYAKAN TANAMAN

0383 SUKAMTO, L.A. [Wiep (*Grevillea papuana*) propagation by tissue culture]. Perbanyakan tanaman wiep (*Grevillea papuana*) secara kultur jaringan/Sukamto, L.A. (Pusat Penelitian Biologi, Bogor (Indonesia). Bidang Botani). Laporan Teknik Penelitian Pusat Penelitian Biologi Bogor (Indonesia) (2001) (2000-2001) p. 7-11 3 tables; 4 ref.

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F03 SEED PRODUCTION / PRODUKSI DAN PERLAKUAN TERHADAP BIJI DAN BENIH

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0386 RAHAMMA, S. [Effect of seed storage time treatment with metalaxyl fungicide on viability and downy mildew infection on maize] . Pengaruh lama penyimpanan benih jagung yang diberi fungisida metalaxyl terhadap daya tumbuh dan penyakit bulai pada tanaman jagung/Rahamma, S.; Kontong, M.S.. Risalah Penelitian Jagung dan Serealia Lain (Indonesia) ISSN 1410-8259 (2001) v. 5 p. 42-46 2 tables; 13 ref. Summary (En)

ZEA MAYS; SEED STORAGE; SEED TREATMENT; METALAXYL; DURATION; GERMINABILITY; DISEASE CONTROL; MILDEWS.

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F04 FERTILIZING / PEMUPUKAN

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0394 RUSA STRA, I.W. [Socioeconomic aspect of fertilizer and fertilizer application of tablet-Ureas]. Aspek sosial ekonomi pupuk dan pemupukan Urea tablet/Rusastra, IW.; Hermanto; Erwidodo; Syafa'at; Taryono, A.H.; Saptana; Agustian, A. (Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia)). [Agricultural development policy : analysis of anticipative and responsive policies]. Kebijakan pembangunan pertanian : analisis kebijaksanaan antisipatif dan responsif / Suryana, A.; Sudaryanto, T.; Mardianto, S. Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia). Bogor (Indonesia): PSE, 1997 p. 224-241. Monograph Series Pusat Penelitian Ekonomi Pertanian (Indonesia) (1997) (no. 17) 6 tables

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0395 SAHAR, A. Effect of anorganic fertilizer on growth and yield of intensified lowland rice. Pengaruh sumber pupuk anorganik terhadap pertumbuhan dan hasil padi sawah intensifikasi/Sahar, A. (Balai Pengkajian Teknologi Pertanian, Sukarame (Indonesia)). Jurnal Stigma (Indonesia) ISSN 0853-3776 (1999) v. 8(3) p. 194-196 3 tables; 10 ref. Summary (En)

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0396 SARASUTHA, I G.P. [Efficiency of maize fertilization on mediteran soil]. Efisiensi pemupukan jagung pada jenis tanah mediteran /Sarasutha, I G.P.; Margaretha S.L.; Syuryawati; Momuat, E.O.. Risalah Penelitian Jagung dan Serealia Lain (Indonesia) ISSN 1410-8259 (2001) v. 5 p. 53-63 13 tables; 8 ref. Summary (En)

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0397 SETYORINI, D. [Soil testing for balance fertilizer of location specific]. Uji tanah untuk pemupukan berimbang spesifik lokasi/Setyorini, D. (Pusat Penelitian Pengembangan Tanah dan Agroklimat, Bogor (Indonesia)). Warta Penelitian dan

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SOIL ANALYSIS; SOIL FERTILITY.

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0399 WIDAWATI, S. [Organic and bio-fertilizer as growth substance for *Calliandra* sp saplings and microbial density on acid soils]. Pupuk organik dan hayati sebagai agen pertumbuhan anakan kaliandra (*Calliandra* sp) serta kepadatan mikroba pada tanah asam/Widawati, S.; Suliasih; Latupapua, H.J.D. (Pusat Penelitian Biologi, Bogor (Indonesia).Bidang Mikrobiologi). Laporan Teknik Penelitian Pusat Penelitian Biologi Bogor (Indonesia) (2001) (2000-2001) p. 18-27 1 ill., 4 tables; 16 ref.

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F06 IRRIGATION / IRIGASI

0400 IMANUDIN, M.S. Determinations of amount and time water irrigation for chilipepper with climate, crop and soil information data. Penentuan jumlah dan waktu pemberian air irigasi tanaman cabai melalui informasi data iklim, tanaman dan tanah/Imanudin, M.S.; Tambas, D. (Universitas Sriwijaya, Indralaya OKI

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CAPSICUM ANNUUM; IRRIGATION;
SOIL CHEMICOPHYSICAL PROPERTIES;
WATER MANAGEMENT;
EVAPOTRANSPIRATION.

F07 SOIL CULTIVATION / PENGOLAHAN TANAH

0401 BUSYRA. The effect of land preparation on the exchanges of Oxisol properties and yield of soybean in Singkarak watershed. Pengaruh cara pengelolaan lahan terhadap perubahan sifat-sifat tanah Oxisol dan hasil kedelai di DAS Singkarak/Busyra (Balai Pengkajian Teknologi Pertanian, Sukarami (Indonesia)). *Jurnal Stigma (Indonesia)* ISSN 0853-3776 (1999) v. 8(3) p. 200-204 5 tables; 9 ref. Summary (En)
GLYCINE MAX; TILLAGE; SHIFTING CULTIVATION; SOIL CHEMICOPHYSICAL PROPERTIES; FERRALSOLS; GROWTH; YIELDS.

F08 CROPPING PATTERNS AND SYSTEMS / POLA TANAM DAN SISTEM PENANAMAN

0402 ALI, M. Economic analysis of plastics mulch application on red chili pepper. Analisis ekonomi penggunaan mulsa plastik pada usahatani cabe merah/Ali, M.; Buharman B. (Balai Pengkajian Teknologi Pertanian, Sukarami (Indonesia)). *Jurnal Stigma (Indonesia)* ISSN 0853-3776 (1999) v. 8(3) p. 253-256 3 tables; 16 ref. Summary (En)

CAPSICUM ANNUUM; FARMING SYSTEMS; DRY MULCHES; ECONOMIC ANALYSIS.

0403 DIWYANTO, K. [Crop livestock system on acceleration of rice and livestock production]. Crop livestock system dalam mengakselerasi produksi padi dan ternak/Diwyanto, K.; Haryanto, B. (Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia)). [Proceedings of the Seminar on National Rice Policy]. Kumpulan Makalah Seminar Kebijakan Perpadian

Nasional/Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): Badan Litbang Pertanian, 2002 (pt. 5) 9 p. 2 tables; 7 ref.

ORYZA SATIVA; LIVESTOCK; FARMING SYSTEMS; PRODUCTION; ECONOMIC ANALYSIS.

0404 MARGARETHA SL. Impact of maize varieties used in cropping patterns to farmers' income. Pengaruh penggunaan varietas jagung dalam pola tanam terhadap pendapatan petani/Margaretha SL; Sarasutha, IG.P.; Najamuddin, A.; Rauf, M.; Rahmi, Y.A. (Balai Penelitian Tanaman Jagung dan Sereal Lain, Maros (Indonesia)). *Jurnal Sosial Ekonomi Pertanian (Indonesia)* ISSN 0853-8395 (2000) (no. 6) p. 71-78 2 ill., 7 tables; 11 ref. Summary (En)

ZEA MAYS; VARIETIES; CROPPING PATTERNS; FARM INCOME; ECONOMIC ANALYSIS; LABOUR ALLOCATION.

0405 MU'IN, A. [Growth and yield suppressed on maize and peanut intercropping]. Tekanan terhadap pertumbuhan dan hasil tanaman yang ditanam secara intercropping/Mu'in, A. (Institut Pertanian Stiper, Yogyakarta (Indonesia). Fakultas Pertanian). *Buletin Ilmiah INSTIPER (Indonesia)* ISSN 0852-8772 (2000) v. 7(1) p. 83-94 4 tables; 16 ref. Summary (En)

ZEA MAYS; ARACHIS HYPOGAEA; INTERCROPPING; MONOCULTURE; AGRONOMIC CHARACTERS; YIELDS.

0406 SUPRIATNA, A.K. A mathematical model for obtaining an optimal crop combination in a mixed-cropping scheme. Model matematika pemilihan tanaman yang optimal dalam pola tanaman Mixed-cropping/Supriatna, A.K.; Soekirno, J.; Rarasapti, F.; Priatna, Y.; Badrullallah; (Universitas Padjadjaran, Bandung (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam). *Bionatura (Indonesia): Jurnal ilmu-ilmu hayati dan fisik Padjadjaran* ISSN 1411-0903 (2001) v.3(3) p. 148-160 10 tables; 10 ref. Summaries (En,In)

PLANTS; MIXED-CROPPING; MATHEMATICAL; MODELS; LINEAR PROGRAMMING.

0407 SYAFA'AT, N. [Prospect and constraint of "Sawit dupa" cropping pattern development in 10.000 ha miniatur area development in Central Kalimantan (Indonesia)]. Prospek dan kendala pengembangan pola tanam sawit dupa pada areal miniatur pengembangan 10.000 ha di Kalimantan Tengah/Syafa'at, N.; Swastika, K.D.S. (Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia)). [Agricultural development policy : analysis of anticipatif and responsive policies]. Kebijakan pembangunan pertanian : analisis kebijaksanaan antisipatif dan responsif/Suryana, A.; Sudaryanto, T.; Mardianto, S. Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia). Bogor (Indonesia): PSE, 1997 p. 242-255. Monograph Series Pusat Penelitian Ekonomi Pertanian (Indonesia) (1997) (no. 17) 2 ill., 6 tables

ORYZA SATIVA; CROP MANAGEMENT; FARM INCOME; KALIMANTAN.

0408 TALIB, J. The effect of different cropping systems of banana - pineapple on soil physical properties, root biomass, and soil erosion. Pengaruh perbedaan sistem penanaman pisang-nenas terhadap sifat fisika tanah, biomas akar, dan erosi tanah/Talib, J.; Sulaiman, W.H.W.; Ramlan, M.F. (Universitas Putra Malaysia. Fakultas Pertanian); Adrinal. Jurnal Stigma (Indonesia) ISSN 0853-3776 (1999) v. 8(3) p. 163-172 12 ill., 2 tables; 12 ref. Summary (In)

MUSA PARADISIACA; ANANAS COMOSUS; CROPPING SYSTEMS; SOIL CHEMICOPHYSICAL PROPERTIES; EROSION; ROOTS; BIOMASS.

F30 PLANT GENETICS AND BREEDING / GENETIKA DAN PEMULIAAN TANAMAN

0409 AWUY, E. [Study on heterosis F1 coconut leaves characteristic from genjah x dalam selection]. Kajian heterosis karakter daun kelapa F1 hasil persilangan Genjah x Dalam/Awuy, E.; Tampake, H.; Mamoto, E.S.A.; Sangari, T.K.; Masinambow, E. (Universitas Sam Ratulangi, Manado (Indonesia)). Fakultas Pertanian). [Proceedings of the Symposium on Research

Results of Coconut Plants and Other Palmae]. Prosiding Simposium Hasil Penelitian Tanaman Kelapa dan Palma Lain/Balai Penelitian Tanaman Kelapa dan Palma Lain, Manado (Indonesia). Manado (Indonesia): BALITKA, 1999 p. 78-87 6 ill., 2 tables; 3 ref. Summary (In) Appendix

COCOS NUCIFERA; HYBRIDIZATION; LEAVES; HETEROSIS; SULAWESI.

0410 BALAI PENELITIAN TANAMAN BUAH SOLOK. [Introducing DR-06 and DTK-02: a new export quality of local durian]. DR-06 dan DTK-02, durian lokal kualitas ekspor/Balai Penelitian Tanaman Buah Solok, Padang (Indonesia). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2001) v. 23(2) p. 1-3 1 ill., 1 table

DURIO ZIBETHINUS; VARIETIES; QUALITY; SELECTION; SEED PRODUCTION.

0411 CANTRELL, R.P. A walk through rice research's "Field of Dreams"/Cantrell, R.P.; Hettel, G.P.. [Proceedings of the Seminar on National Rice Policy]. Kumpulan Makalah Seminar Kebijakan Perpadian Nasional/Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): Badan Litbang Pertanian, 2002 (pt. 2) 11 p.

ORYZA SATIVA; PLANT BREEDING; HYBRIDIZATION; RESEARCH; ASIA.

0412 HASNAM. [Improvement of cotton suitable intercropping with soybean]. Perbaikan kesesuaian kapas untuk tumpangsari dengan kedelai/Hasnam; Kadarwati, F.T.; Sumartini, S.; Cholid, M.; Rijajaya, P.D.; Rachman, A.; Suhadi. [Proceeding of the Seminar on Research Results During 1999/2000 : Stem fibre, cotton and castor plant]. Kumpulan Seminar Hasil Penelitian dari 1999/2000 (Serat batang, Kapas dan Jarak)/Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia). Malang (Indonesia): BALITTAS, 2000 (Pt.2) 17p. 12 ref. Summary (In).

GOSSYPIMUM HIRSUTUM; BREEDING METHODS; VARIETIES; GLYCINE MAX; INTERCROPPING; GROWTH; YIELDS; QUALITY.

0413 MIFTAHORRACHMAN. [Yield stability of several coconut cultivars]. Stabilitas hasil beberapa kultivar kelapa dalam dan genjah/Miftahorrhachman; Kumaunang, J. (Balai Penelitian Tanaman Kelapa dan Palma Lain, Manado (Indonesia)). [Proceedings of the Symposium on Research Results of Coconut Plants and Other Palmae]. Prosiding Simposium Hasil Penelitian Tanaman Kelapa dan Palma lain/Balai Penelitian Tanaman Kelapa dan Palma Lain, Manado (Indonesia). Manado (Indonesia): BALITKA, 1999 p. 11-19 3 tables; 9 ref. Summary (In) Appendix

COCOS NUCIFERA; VARIETY TRIALS; YIELDS; RESISTANCE TO INJURIOUS FACTORS.

0414 MOELJOPAWIRO, S. [Biotechnology for increasing rice productivity and quality of rice]. Bioteknologi untuk peningkatan produktivitas dan kualitas padi/Moeljopawiro, S. (Balai Penelitian Bioteknologi Tanaman Pangan, Bogor (Indonesia)). [Proceedings of the Seminar on National Rice Policy]. Kumpulan Makalah Seminar Kebijakan Perpadian Nasional/Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): Badan Litbang Pertanian, 2002 (pt. 7) 11 p. 13 ref.

ORYZA SATIVA; BIOTECHNOLOGY; PRODUCTION INCREASE; QUALITY; GENETIC RESOURCES; ADAPTATION; GERMPLASM; MOLECULAR BIOLOGY.

0415 NOVARIANTO, H. [Genetic improvement of coconut var. Kopyor]. Perbaikan genetik kelapa kopyor/Novarianto, H. (Balai Penelitian Tanaman Kelapa dan Palma Lain, Manado (Indonesia)). [Proceedings of the Symposium on Research Results of Coconut Plants and Other Palmae]. Prosiding Simposium Hasil Penelitian Tanaman Kelapa dan Palma Lain/Balai Penelitian Tanaman Kelapa dan Palma Lain, Manado (Indonesia). Manado (Indonesia): BALITKA, 1999 p. 88-95 9 ref. Summary (In)

COCOS NUCIFERA; VARIETIES; BREEDING METHODS; EMBRYO CULTURE; GENETICS.

0416 ROSTINI, N. Genetic variability and heritability of chlorophyll content in soybean. Variabilitas genetik dan heritabilitas

kandungan klorofil pada tanaman kedelai/Rostini, N. (Universitas Padjadjaran, Bandung (Indonesia). Fakultas Pertanian). Publikasi Berkala Penelitian Pascasarjana Universitas Padjadjaran (Indonesia) ISSN 0853-4136 (2000) v.11(1) p. 144-155 2 tables; 12 ref. Summary (En)

GLYCINE MAX; GENETIC VARIATION; HERITABILITY; CHLOROPHYLLS.

0417 RUSIM-MARDJONO. [Breeding of cotton in Indonesia]. Pemuliaan kapas di Indonesia/Rusim-Mardjono (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). [Cotton plant. Book 1]. Kapas. Buku 1/Balai Penelitian Tanaman Tembakau dan Serat. Malang (Indonesia): BALITTA, 2001. Monograf Balittas (Indonesia) ISSN 0853-9308 (no. 7) p. 32-45 4 ill., 24 ref.

GOSSYPIUM HIRSUTUM; PLANT BREEDING; HYBRIDIZATION; SELECTION PURE LINES; HIGH YIELDING VARIETIES; AGRONOMIC CHARACTERS; AGE; PRODUCTIVITY; PEST RESISTANCE; DROUGHT RESISTANCE; DISEASE RESISTANCE; PLANT FIBRES; QUALITY; INDONESIA.

0418 SAEFUDIN. Performance and variability of phenotypic character of four type of coconut (*Cocos nucifera* Linn.) dwarf in Jombang Regency. Penampilan dan keragaman karakter fenotipik empat tipe kelapa (*Cocos nucifera* Linn.) varietas genjah di Kabupaten Jombang/Saefudin; Wardiana, E. (Balai Penelitian Kelapa Pakuwon, Sukabumi (Indonesia)). Agr-UMY (Indonesia) ISSN : 0854-4026 (2000) v. 8(2) p. 59-65 2 tables; 15 ref. Summary (En)

COCOS NUCIFERA; VARIETIES; CROP PERFORMANCE; PHENOTYPES; AGRONOMIC CHARACTERS; JAVA.

0419 SUHENDAR, M.A. [Evaluation of cassava resistance to *Xanthomonas campestris manihotis* at different soil fertility level]. Evaluasi ketahanan klon ubi kayu terhadap penyakit hawar daun (*Xanthomonas campestris* pv. *manihotis*) pada tingkat kesuburan tanah yang berbeda/Suhendar, M.A. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). [Proceedings of Fifteenth National Congress and Scientific

Seminar of Indonesian Phytopathology Association : role of tropical phytopathology on sustainable agricultural and forestry development]. Prosiding Kongres Nasional 15 dan Seminar Ilmiah Perhimpunan Fitopatologi Indonesia : peran fitopatologi tropika dalam pembangunan pertanian dan kehutanan yang berkelanjutan/Universitas Jenderal Soedirman, Purwokerto (Indonesia). Fakultas Pertanian. Purwokerto (Indonesia): UNSOED, 2000 p. 258-261 1 table; 13 ref. Summary (In)

MANIHOT ESCULENTA; CLONES; DISEASE RESISTANCE; XANTHOMONAS CAMPESTRIS; SOIL FERTILITY; NPK FERTILIZERS.

0420 SUMARTINI, S. [Germplasm management of cotton in Indonesia]. Pengelolaan plasma nutfah kapas di Indonesia/Sumartini, S. (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). [Cotton plant. Book 1]. Kapas. Buku 1/Balai Penelitian Tanaman Tembakau dan Serat. Malang (Indonesia): BALITTAS, 2001. Monograf Balittas (Indonesia) ISSN 0853-9308 (no. 7) p. 20-31 19 ref. Appendices

GOSSYPIUM HIRSUTUM; GERMPASM COLLECTIONS; MANAGEMENT; SEED; SEED CLEANING; MOISTURE CONTENT; VIABILITY; PACKAGING; SEED STORAGE; MONITORING; REGENERATION; EVALUATION; USES; VARIETIES; INDONESIA.

0421 SUMARTINI, S. [Production technique of cotton seed certified]. Teknik produksi benih kapas bersertifikat/Sumartini, S. (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)); Hasnam. [Cotton plant. Book 1]. Kapas. Buku 1/Balai Penelitian Tanaman Tembakau dan Serat. Malang (Indonesia): BALITTAS, 2001. Monograf Balittas (Indonesia) ISSN 0853-9308 (no. 7) p. 46-54 1 ill., 1 table; 13 ref.

GOSSYPIUM HIRSUTUM; SEED PRODUCTION; TILLAGE; PLANTING; ISOLATION; FERTILIZER APPLICATION; IRRIGATION; PEST CONTROL; PHYSICAL CONTROL; HARVESTING; COTTON GINNING; SEED CLEANING; GRADING; MOISTURE CONTENT; PACKAGING; SEED STORAGE.

0422 SUTARDJO. [Selection of four tomato varieties in highland of Sukabumi (Indonesia)]. Seleksi adaptasi empat varietas tomat (*Lycopersicum esculentum* Mill) di dataran tinggi Sukabumi/Sutardjo (Badan Penerapan dan Pengkajian Teknologi, Jakarta (Indonesia). Direktorat Teknologi Budidaya Pertanian). [Proceedings of the Seminar of the Technology 2001]. Prosiding Seminar Teknologi untuk negeri 2001/Iskandar, M.A.; Djuma'ali Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2001 p. 31-36 4 ill., 1 table; 2 ref. Summary (En)

LYCOPERSICUM ESCULENTUM; SELECTION; HIGH YIELDING VARIETIES; ADAPTATION; YIELDS; DISEASE RESISTANCE; JAVA.

0423 SUTARYO, B. [Performance of cytoplasmic-genetic male sterile line of rice in different agroecosystems : potential of natural crossbreed and its reaction to bacterial leaf blight]. Keragaan beberapa galur mandul jantan padi di beberapa agroekosistem yang berbeda : potensi persilangan alami dan reaksinya terhadap hawar daun bakteri/Sutaryo, B.; Suparyono (Balai Penelitian Tanaman Padi, Sukamandi (Indonesia)). [Proceedings of Fifteenth National Congress and Scientific Seminar of Indonesian Phytopathology Association : role of tropical phytopathology on sustainable agricultural and forestry development]. Prosiding Kongres Nasional 15 dan Seminar Ilmiah Perhimpunan Fitopatologi Indonesia : peran fitopatologi tropika dalam pembangunan pertanian dan kehutanan yang berkelanjutan/Universitas Jenderal Soedirman, Purwokerto (Indonesia). Fakultas Pertanian. Purwokerto (Indonesia): UNSOED, 2000 p. 82-86 2 tables; 6 ref. Summary (In)

ORYZA SATIVA; VARIETIES; CYTOPLASMIC MALE STERILITY; AGROECOSYSTEMS; CROSSBREDS; BLIGHT; PLANT RESPONSE.

F40 PLANT ECOLOGY / EKOLOGI TANAMAN

0424 RIAJAYA, P.D. [Study on climate of cotton plant]. Kajian iklim pada tanaman kapas/Riajaya, P.D. (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). [Cotton plant. Book 2]. Kapas.

Buku 2/Balai Penelitian Tanaman Tembakau dan Serat. Malang (Indonesia): BALITTAS, 2002. Monograf Balittas (Indonesia) ISSN 0853-9308 (no.7) p. 77-87 2 tables; 13 ref.

GOSSYPIUM HIRSUTUM; RAIN; AIR TEMPERATURE; SOLAR RADIATION; HUMIDITY; CROPPING SYSTEMS; PLANTING DATE; SPACING; FERTILIZER APPLICATION.

F50 PLANT STRUCTURE / MORFOLOGI DAN ANATOMI TANAMAN

0425 RUSIM-MARDJONO. [Biological aspects of cotton]. Biologi tanaman kapas / Rusim-Mardjono (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). [Cotton plant. Book 1]. Kapas. Buku 1/Balai Penelitian Tanaman Tembakau dan Serat. Malang (Indonesia): BALITTAS, 2001. Monograf Balittas (Indonesia) ISSN 0853-9308 (no. 7) p. 11-19 4 ill., 1 table; 15 ref.

GOSSYPIUM HIRSUTUM; BOTANY; TAXONOMY; SPECIES; PLANT ANATOMY; GROWTH PERIOD.

0426 SAMIYARSIH, S. [Study on anatomical characteristics of leaves of some soybeans varieties which are resistant and irrisistant rust disease]. Studi anatomi daun beberapa varietas kedelai yang tahan dan rentan terhadap penyakit karat daun/Samiyarsih, S.; Herawati, W.; Widodo, P. (Universitas Jenderal Soedirman, Purwokerto (Indonesia). Fakultas Biologi). Biosfera (Indonesia) ISSN 0853-1625 (2001) v. 18(2) p. 46-51 3 tables; 11 ref. Summary (En)

GLYCINE MAX; VARIETIES; PLANT ANATOMY; STOMATA; RUSTS; PLANT CUTICLE; DISEASE RESISTANCE; PHAKOPSORA PACHYRHIZI.

F62 PLANT PHYSIOLOGY-GROWTH AND DEVELOPMENT / FISILOGI TANAMAN -PERTUMBUHAN DAN PERKEMBANGAN

0427 BUDIHardjo, K. Response of potato plant (*Solanum tuberosum L.*) to flowering stimulation and its effects on virus infection of

seeds and tubers and variation of plants growth from seeds. Respons tanaman kentang (*Solanum tuberosum L.*) terhadap perangsangan pembungaan serta efeknya terhadap infeksi virus pada biji dan umbi dan keragaman tanaman asal biji/BudiHardjo, K. (Institut Teknologi Pertanian, Yogyakarta (Indonesia)). Publikasi Berkala Penelitian Pascasarjana Universitas Padjadjaran (Indonesia) ISSN 0853-4136 (2000) v.11(1) p. 72-91 11 ill., 11 ref. Summary (En)

SOLANUM TUBEROSUM; FLOWERING; VIROSES; SEEDS; TUBERS.

F70 PLANT TAXONOMY AND GEOGRAPHY / TAKSONOMI TANAMAN DAN SEBARAN GEOGRAFI

0428 PRANA, M.S. [Conservation of living plant collection]. Menyikapi koleksi tumbuhan secara wajar/Prana, M.S.(Pusat Penelitian Bioteknologi-LIPI, Bogor (Indonesia)). Warta Biotek (Indonesia) ISSN 0215-2835 (2001) v. 15(2) p. 4-11 8 ref. Summary (In)

PLANT COLLECTIONS; BIODIVERSITY; GERMPLASM; GENETIC RESOURCES; BOTANICAL GARDENS.

0429 PRAYITNO, S. . [Condition and potential of biota in Mamberamo Hilir Subdistrict for agricultural development in Mamberamo river flows,Irian Jaya (Indonesia). Kondisi dan potensi biota darat di Kecamatan Mamberamo Hilir bagi pengembangan pertanian di daerah aliran sungai Mamberamo/Prayitno, S. (Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia)). Jakarta (Indonesia): BPPT, 1996 7 p.

BIOTA; AGRICULTURAL DEVELOPMENT; TOPOGRAPHY; VEGETATION; FAUNA; SURVEYS; WATERSHEDS; IRIAN JAYA.

H10 PESTS OF PLANTS / HAMA TANAMAN

0430 ARTATI, F. The influence of depodding on the yields of soybeans . Pengaruh depodding terhadap kehilangan hasil pada tanaman kedelai/Artati, F.; Nurdin, F.

(Balai Pengkajian Teknologi Pertanian, Sukarami (Indonesia)). Jurnal Stigma (Indonesia) ISSN 0853-3776 (1999) v. 8(3) p. 187-189 1 table; 6 ref. Summary (En)

GLYCINE MAX; FRUIT; CROP LOSSES; YIELD COMPONENTS; HARVESTING LOSSES.

0431 DIREKTORAT PERLINDUNGAN HORTIKULTURA, JAKARTA (INDONESIA). [Fruit flies control]. Pengendalian lalat buah. [Compilation Papers of Appreciation on Application of Fruit Flies Control Technology]. Kumpulan Materi Apresiasi Penerapan Teknologi Pengendalian Lalat Buah/Direktorat Perlindungan Hortikultura, Jakarta (Indonesia). Jakarta (Indonesia): DPH, 2001 p. 22-42 1 table

BACTROCERA; CERATITIS CAPITATA; FRUIT CROPS; ANIMAL MORPHOLOGY; LIFE CYCLE; INTEGRATED CONTROL.

0432 DIREKTORAT PERLINDUNGAN HORTIKULTURA, JAKARTA (INDONESIA). [Integrated control of fruit flies pest in mango production centre using sterilized insect technique in Takalar, South Sulawesi (Indonesia)]. Pengendalian terpadu hama lalat buah di sentra produksi mangga Kabupaten Takalar dengan teknik serangga mandul (TSM). [Compilation Papers of Appreciation on Application of Fruit Flies Control Technology]. Kumpulan Materi Apresiasi Penerapan Teknologi Pengendalian Lalat Buah/Direktorat Perlindungan Hortikultura, Jakarta (Indonesia). Jakarta (Indonesia): DPH, 2001 p. 4-21 8 ill., 3 tables

MANGIFERA INDICA; BACTROCERA; INTEGRATED CONTROL; ATTRACTANTS; STERILE INSECT RELEASE; POPULATION DYNAMICS; TEPHRITIDAE.

0433 HASTUTI, B. [Development of fruit flies (*Bactrocera* sp.) on star fruit in DKI Jakarta and its control constraints]. Perkembangan lalat buah (*Bactrocera* sp.) pada tanaman belimbing di DKI Jakarta dan kendala pengendaliannya/Hastuti, B.. [Compilation Papers of Appreciation on Application of Fruit Flies Control Technology]. Kumpulan Materi Apresiasi Penerapan Teknologi Pengendalian Lalat Buah/Direktorat Perlindungan Hortikultura,

Jakarta (Indonesia). Jakarta (Indonesia): DPH, 2001 p. 75-81 2 ill; 1 table

AVERRHOA BILIMBI; BACTROCERA; POPULATION DYNAMICS; INTEGRATED CONTROL; JAVA.

0434 INDRAYANI, I G.A.A. [Multiplication technique of nuclear polyhedrosis virus through *in vivo* experimentation]. Teknikperbanyak nuclear polyhedrosis virus secara *in vivo*/Indrayani, I G.A.A. (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). [Cotton plant. Book 2. Kapas. Buku 2/Balai Penelitian Tanaman Tembakau dan Serat. Malang (Indonesia): BALITTAS, 2002. Monograf Balittas (Indonesia) ISSN 0853-9308 (no.7) p. 173-177 4 ref.

PATHOGENS; NUCLEAR POLYHEDROSIS; IN VIVO EXPERIMENTATION; INOCULATION; HOSTS PATHOGEN RELATIONS; INOCULATION; FORMULATIONS; STORAGE.

0435 JATMIADI, D. [Monitoring as main pillar integrated pest control of fruit crops]. Monitoring sebagai pilar utama dari pengendalian hama pada tanaman buah secara terpadu/Jatmiadi, D. (Balai Penelitian Buah Solok (Indonesia)). [Compilation Papers of Appreciation on Application of Fruit Flies Control Technology]. Kumpulan Materi Apresiasi Penerapan Teknologi Pengendalian Lalat Buah/Direktorat Perlindungan Hortikultura, Jakarta (Indonesia). Jakarta (Indonesia): DPH, 2001 p. 65-74 12 ref.

FRUIT CROPS; TEPHRITIDAE; TAXONOMY; HOSTS; MONITORING; NATURAL ENEMIES; PHEROMONE TRAPS.

0436 KARDINAN, A. [Plant attractants for fruit fly control on organic farming]. Atraktan nabati untuk mengendalikan lalat buah pada pertanian organik/Kardinan, A. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2002) v. 24(2) p. 11-12 1 ill.

INSECT CONTROL; ATTRACTANTS; BACTROCERA; ORGANIC AGRICULTURE.

0437 MAMIJAYA, M.Z. [Control method of rice pest in Tidal swamp land at South Kalimantan (Indonesia)]. Cara ampuh mengendalikan hama putih palsu di lahan pasang surut Kalimantan Selatan/Mamijaya, M.Z.; Humairie, R. (Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia)). *Warta Penelitian dan Pengembangan Pertanian (Indonesia)* ISSN 0216-4427 (2001) v. 23(2) p. 8-10 1 table

ORYZA SATIVA; PESTS OF PLANTS; CONTROL METHODS; NATURAL ENEMIES; TIDES; KALIMANTAN.

0438 MUDJISIHONO, R. . [Manual on pest and disease control on "IP Padi-300 specific location programme" in Yogyakarta Province (Indonesia)]. Pedoman pengendalian organisme pengganggu tanaman (OPT) pada pelaksanaan program IP Padi-300 spesifik lokasi di Propinsi Daerah Istimewa Yogyakarta/Mudjisihono, R.; Thamrin, M.; Santosa, T. Instalasi Penelitian dan Pengkajian Teknologi Pertanian, Yogyakarta (Indonesia). Yogyakarta (Indonesia): IPPTP, 1999 26 p. 11 ref.

ORYZA SATIVA; DISEASE CONTROL; CULTIVATION; VARIETIES; CROPPING SYSTEMS; PESTICIDES; JAVA.

0439 NURINDAH. [Multiplication technique of egg parasitoid, *Trichogramma*]. Teknik perbanyakkan parasitoid telur, *Trichogramma*/Nurindah (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). [Cotton plant. Book 2. Kapas. Buku 2/Balai Penelitian Tanaman Tembakau dan Serat. Malang (Indonesia): BALITTAS, 2002. Monograf Balittas (Indonesia) ISSN 0853-9308 (no.7) p. 178-186 4 ill., 11 ref.

TRICHOGRAMMA; PARASITOIDS; ALTERNATIVE HOSTS; CORCYRA CEPHALONICA; CULTURE TECHNIQUES; QUALITY; SELECTION.

0440 NURINDAH. [Natural enemies of cotton pest insects]. Musuh alami serangga hama kapas/Nurindah; Indrayani, I G.A.A. (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). [Cotton plant. Book 2]. Kapas. Buku 2/Balai Penelitian Tanaman Tembakau dan Serat. Malang (Indonesia): BALITTAS, 2002. Monograf

Balittas (Indonesia) ISSN 0853-9308 (no.7) p. 144-158 16 ill., 3 tables; 27 ref.

GOSSYPIUM HIRSUTUM; PEST INSECTS; NATURAL ENEMIES; PARASITOIDS; PREDATORS; MICROORGANISMS; BACILLUS THURINGIENSIS; NOMURAEA; NUCLEAR POLYHEDROSIS VIRUS; STEINERNEMA.

0441 NURINDAH. [Pest insect of cotton]. Serangga hama kapas/Nurindah (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). [Cotton plant. Book 2]. Kapas. Buku 2/Balai Penelitian Tanaman Tembakau dan Serat. Malang (Indonesia): BALITTAS, 2002. Monograf Balittas (Indonesia) ISSN 0853-9308 (no.7) p. 128-143 11 ill., 1 table; 10 ref.

GOSSYPIUM HIRSUTUM; PEST INSECTS; ZOOLOGY; ECOLOGY; HOST PLANTS; NATURAL ENEMIES.

0442 PETROKIMIA KAYAKU, P.T., GRESIK (INDONESIA). [Results of field experiment on the effectiveness of Petrogenol 800 L attractant on oriental fruit flies (*Dacus dorsalis*) on *Mangifera indica* and *Capsicum annum*]. Hasil-hasil percobaan lapangan efikasi atraktan Petrogenol 800 L terhadap lalat buah (*Dacus dorsalis*) pada mangga dan cabai merah/Petrokimia Kayaku, P.T., Gresik (Indonesia). [Compilation Papers of Appreciation on Application of Fruit flies Control Technology]. Kumpulan Materi Apresiasi Penerapan Teknologi Pengendalian Lalat Buah/Direktorat Perlindungan Hortikultura, Jakarta (Indonesia). Jakarta (Indonesia): DPH, 2001 p. 43-48 5 ref. appendices

MANGIFERA INDICA; CAPSICUM ANNUM; BACTROCERA DORSALIS; ATTRACTANTS; TEPHRITIDAE.

0443 PUSAT PENELITIAN DAN PENGEMBANGAN TANAMAN PANGAN, BOGOR [Integrated rodent control in Tidal swamp land]. Pengendalian tikus terpadu di lahan pasang surut/Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). *Warta Penelitian dan Pengembangan Pertanian (Indonesia)* ISSN 0216-4427 (2001) v. 23(2) p. 17 1 table

ORYZA SATIVA; RODENT CONTROL;
FUMIGATION; TIDES.

0444 PUSAT PENELITIAN
PENGEMBANGAN SOSIAL EKONOMI
PERTANIAN. [Trick of Grasshopper
(belalang kembara) in Lampung (Indonesia)].
Kiat mengendalikan hama belalang kembara
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ORYZA SATIVA; ZEA MAYS;
SACCHARUM OFFICINARUM;
ACRIDIDAE; INSECT CONTROL;
SUMATRA.

0445 REDJEKI S, S. The pesticide
formulation of clove flower oil, mimba seed
extracts and tobacco leaves extracts in liquid
and dry form. Formulasi pestisida dari minyak
bunga cengkeh (*Syzygium aromaticum*),
ekstrak biji mimba (*Azadirachta indica* A.
Juss.) dan ekstrak daun tembakau (*Nicotiana
tabacum L.*) dalam bentuk cair dan
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(Akademi Kimia Analis, Bogor (Indonesia)).
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(2000) (no. 12) p. 25-36 1 ill., 4 tables; 15 ref.
Summary (En)

DRUG PLANTS; BOTANICAL
PESTICIDES; CLOVES; AZADIRACHTA
INDICA; TOBACCO; LEAVES; FLOWERS;
EXTRACTS; CHEMICOPHYSICAL
PROPERTIES; ORGANOLEPTIC
ANALYSIS.

0446 RIZAL, M. [Integrated pest
management on cotton plant]. Pengendalian
hama terpadu pada tanaman kapas/Rizal, M.
(Balai Penelitian Tanaman Rempah dan Obat,
Bogor (Indonesia)). [Cotton plant. Book 2.
Kapas. Buku 2/Balai Penelitian Tanaman
Tembakau dan Serat. Malang (Indonesia):
BALITAS, 2002. Monograf Balittas
(Indonesia) ISSN 0853-9308 (no.7) p. 159-
172 1 table; 36 ref. Appendices

GOSSYPIUM HIRSUTUM; PESTS OF
PLANTS; INTEGRATED CONTROL;
VARIETIES; PEST RESISTANCE;
INTERCROPPING; TECHNOLOGY
TRANSFER; COST BENEFIT ANALYSIS.

0447 ROJI, M. [Experience of fruit grower on
controlling fruit flies of starfruit]. Pengalaman
petani buah/Roji, M.. [Compilation Papers of
Appreciation on Application of Fruit Flies
Control Technology]. Kumpulan Materi
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AVERRHOA BILIMBI; TEPHRITIDAE;
MECHANICAL METHODS; PHYSICAL
CONTROL; ATTRACTANTS.

0448 SAMSURI. [Effect of elevation and
direct of hill-side on *Hypothenemus hampei*
attack on Arabica coffea]. Pengaruh tinggi
tempat dan arah lereng terhadap serangan
Hypothenemus hampei Ferr. Pada tanaman
kopi arabika/Samsuri, Priyanto, B.A. (Institut
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Fakultas Pertanian); Wagiman, F.X.. Buletin
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8772 (2000) v. 7(1) p. 75-82 3 tables; 3 ref.
Summary (En)

COFFEA ARABICA; PEST CONTROL;
HYPOTHENEMUS HAMPEI; ANIMAL
POPULATION; ANIMAL POPULATION;
ALTITUDE; SLOPING LAND.

0449 SUKANAYA, W. [Response of sweet
potatoes (*Ipomoea batatas* Poir) to
Meloidogyne incognita]. Respon beberapa
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Indonesian Phytopathology Association : role
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agricultural and forestry development].
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Purwokerto (Indonesia). Fakultas Pertanian.
Purwokerto (Indonesia): UNSOED, 2000 p.
201-207 2 tables; 9 ref. Summary (In)

IPOMOEA BATATAS; VARIETIES;
MELOIDOGYNE INCOGNITA; PLANT
RESPONSE.

for *Scirpophaga innotata*]. Teknik pendukung ditemukannya purun tikus (*Eleocharis dulcis*) sebagai inang alternatif bagi hama penggerek batang padi putih (*Scirpophaga innotata*)/Zainudin; Agustina, R. (Balai Penelitian Pangan Lahan Rawa, Banjarbaru (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 111-115 1 table; 10 ref. Summary (In)

ELEOCHARIS; ALTERNATIVE HOSTS; SCIRPOPHAGA; INSECT CONTROL; LIFE CYCLE; HUMIDITY.

0457 ZUBIR, Z. [Information on distribution region of fruit flies existing in Indonesia]. Informasi daerah sebar lalat buah yang sudah ada di wilayah Negara Republik Indonesia/Zubir, Z.; Maryanto, A. (Balai Karantina Tumbuhan Tanjung Priok, Jakarta (Indonesia)). [Compilation Papers of Appreciation on Application of Fruit flies Control Technology]. Kumpulan Materi Apresiasi Penerapan Teknologi Pengendalian Lalat Buah/Direktorat Perlindungan Hortikultura, Jakarta (Indonesia). Jakarta (Indonesia): DPH, 2001 p. 53-64 3 tables

BACTROCERA; CERATITIS CAPITATA; DACUS; FRUIT CROPS; POPULATION DISTRIBUTION; PEST SURVEYS.

H20 PLANT DISEASES / PENYAKIT TANAMAN

0458 DALMADIYO, G. [Cotton plant diseases and its control]. Penyakit tanaman kapas dan pengendaliannya/Dalmadiyo, G.; Ibrahim, N.; Yulianti, T. (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). [Cotton plant. Book 2]. Kapas. Buku 2/Balai Penelitian Tanaman Tembakau dan Serat. Malang (Indonesia): BALITTAS, 2002. Monograf Balittas (Indonesia) ISSN 0853-9308 (no.7) p. 194-202 7 ill., 1 table; 22 ref.

GOSSYPIUM HIRSUTUM; PLANT DISEASES; EPIDEMIOLOGY; DISEASE CONTROL; HYGIENE; VARIETIES; DISEASE RESISTANCE; PLANTING; CHEMICAL CONTROL; BIOLOGICAL CONTROL.

0459 DURYATMO, S. [Aflatoxin, the deadly poison]. Racun mematikan itu bernama aflatoksin/Duryatmo, S.. Trubus (Indonesia) ISSN 0128-0057 (2001) v. 32(374) p. 69-70 1 ill.

FOOD CROPS; AFLATOXINS; ASPERGILLUS FLAVUS; HEPATOTOXINS; TOXICITY.

0460 HABAZAR, T. [Effect of *Pseudomonas syringae* filtrate to induce resistance of soybean calli to *Pseudomonas syringae*]. Kajian induksi ketahanan kalus kedelai terhadap penyakit hawar bakteri melalui penggunaan filtrat *Pseudomonas syringae glycinea*/Habazar, T. (Universitas Andalas, Padang (Indonesia). Fakultas Pertanian). Jurnal Penelitian Andalas (Indonesia) (2001) v. 13(35) p. 128-139 1 ill., 5 tables; 23 ref. Summary (En)

GLYCINE MAX; CALLUS; PSEUDOMONAS SYRINGAE; IN VITRO; DISEASE RESISTANCE.

0461 HAKIM, L. Resistance evaluation of 68 potato cultivar to bacterial wilt disease caused by *Ralstonia (Pseudomonas) solanacearum* . Evaluasi ketahanan 68 klon kentang terhadap penyakit layu bakteri *Ralstonia (Pseudomonas) solanacearum*/Hakim, L. (Universitas Syiah Kuala Darussalam, Banda Aceh (Indonesia). Fakultas Pertanian). Jurnal Agrista (Indonesia) ISSN 1410-3389 (2000) v. 4(3) p. 283-290 2 tables; 22 ref. Summary (En)

SOLANUM TUBEROSUM; DISEASES RESISTANCE; PSEUDOMONAS SOLANACEARUM; WILTS.

0462 JOKO, T. [Analysis of extracellular protein and four pathogenecity study of *patovar Xanthomonas campestris*]. Analisis protein ekstraselular dan kajian patogenesitas empat *patovar Xanthomonas campestris*/Joko, T.; Subandiyah, S.; Somowiyarjo, S. (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian) . [Proceedings of Fifteenth National Congress and Scientific Seminar of Indonesian Phytopathology Association : role of tropical phytopathology on sustainable agricultural and forestry development]. Prosiding Kongres Nasional 15 dan Seminar Ilmiah Perhimpunan Fitopatologi Indonesia : peran fitopatologi tropika dalam

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NICOTIANA TABACUM;
XANTHOMONAS CAMPESTRIS; HOST
PLANTS; PATHOGENECITY.

0463 MUBARIK, N.R. Immobilization of protease from *Bacillus subtilis* ATCC 6633 in polyacrylamide gel matrix. Imobilisasi protease *Bacillus subtilis* ATCC 6633 menggunakan matriks gel poliakrilamida/Mubarik, N.R. (Institut Pertanian Bogor (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam). Hayati (Indonesia) ISSN 0854-8587 (2001) v. 8(1) p. 11-14 5 ill., 11 ref. Summary (En)

BACILLUS SUBTILIS; IMMOBILIZATION;
ELECTROPHORESIS;
PROTEASES.

0464 NOERTJAHYANI. Biostimulant and Vesicular Arbuscular Mycorrhizae (VAM) inoculant on Tailing Timika Irian Jaya (Indonesia). Aplikasi biostimulan dan Mikoriza Vesikula Arbuskula (MVA) pada Tailing Timika Irian Jaya/Noertjahyani (Universitas Winaya Mukti, Bandung (Indonesia). Fakultas Pertanian). Publikasi Berkala Penelitian Pascasarjana Universitas Padjadjaran (Indonesia) ISSN 0853-4136 (2000) v.11(1) p. 34-51 7 tables; 11 ref. Summary (En)

GLYCINE MAX; NITROGEN;
PHOSPHORUS; POTASSIUM; COPPER;
VESICULAR ARBUSCULAR
MYCORRHIZAE; MYCORRHIZAE;
SYMBIOSIS; INDUSTRIAL WASTES;
PLANT NUTRITION; IRIAN JAYA.

0465 PAKKI, S. [Fluctuation of *Helminthosporium maydis* on maize in different planting date]. Fluktuasi penyakit bercak daun jagung (*Helminthosporium maydis*) pada beberapa waktu tanam/Pakki, S.; Muis, A. (Balai Penelitian Tanaman Jagung dan Serealia lain, Maros (Indonesia)). [Proceedings of Fifteenth National Congress and Scientific Seminar of Indonesian Phytopathology Association : role of tropical phytopathology on sustainable agricultural and forestry development]. Prosiding Kongres

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ZEA MAYS; COCHLIOBOLUS
HETEROSTROPHUS; PLANTING DATE;
CLIMATE.

0466 PRATIWI, E. Characterization of indole acetic acid mutant of *Azospirillum lipoferum* J21.4 generated by transposon mutagenesis. Karakterisasi mutan biosintesis asam indol asetat pada *Azospirillum lipoferum* J21.4 yang dihasilkan dari mutagenesis transposon/Pratiwi, E.; Gunarto, L. (Balai Penelitian Bioteknologi Tanaman Pangan, Bogor (Indonesia)); Suwanto, A.; Adijuwana, H.. Hayati (Indonesia) ISSN 0854-8587 (2001) v. 8(1) p. 18-22 6 ill., 20 ref. Summary (En)

AZOSPIRILLUM; MUTANTS;
BIOSYNTHESIS; MUTATION; IAA.

0467 SUDJONO, M.S. [Effectivity of chitinolytic microbe to pathogenic fungi]. Efektivitas mikroba kitinolitik terhadap jamur patogenik/Sudjono, M.S. (Balai Penelitian Bioteknologi Tanaman Pangan, Bogor (Indonesia)). [Proceedings of Fifteenth National Congress and Scientific Seminar of Indonesian Phytopathology Association : role of tropical phytopathology on sustainable agricultural and forestry development]. Prosiding Kongres Nasional 15 dan Seminar Ilmiah Perhimpunan Fitopatologi Indonesia : peran fitopatologi tropika dalam pembangunan pertanian dan kehutanan yang berkelanjutan/Universitas Jenderal Soedirman, Purwokerto (Indonesia). Purwokerto (Indonesia): UNSOED, 2000 p. 755-760 3 tables; 5 ref. Summary (In)

GLYCINE MAX; PATHOGENS;
MICROORGANISMS; CHITINASE.

0468 SUHENDAR, M.A. [Effect of seed infection by bacterial diseases on disease intensity and soybean yield component]. Pengaruh infeksi benih oleh bisul bakteri terhadap intensitas penyakit dan komponen hasil kedelai/Suhendar, M.A.; Machmud, M.

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GLYCINE MAX; XANTHOMONAS CAMPESTRIS; SEED; INFECTION; YIELDS.

0469 SURAPATI, U. [Availability of *Nephotettix virescens* as a vector for tungro disease on rice]. Penyakit virus tungro dan keberadaan vektor *Nephotettix virescens* Dist. pada beberapa varietas padi/Surapati, U.; Rahim, M.D. (Universitas Hasanuddin, Ujung Pandang (Indonesia). Fakultas Pertanian dan Kehutanan); Shagir, U.N.. [Proceedings of Fifteenth National Congress and Scientific Seminar of Indonesian Phytopathology Association : role of tropical phytopathology on sustainable agricultural and forestry development]. Prosiding Kongres Nasional 15 dan Seminar Ilmiah Perhimpunan Fitopatologi Indonesia : peran fitopatologi tropika dalam pembangunan pertanian dan kehutanan yang berkelanjutan/Universitas Jenderal Soedirman, Purwokerto (Indonesia). Fakultas Pertanian. Purwokerto (Indonesia): UNSOED, 2000 p. 69-74 2 ill., 2 tables; 9 ref. Summary (In). Appendix

ORYZA SATIVA; VARIETIES; TUNGRO DISEASE; VECTORS; NEPHOTETTIX VIRESSENS; ANIMAL POPULATION; DISEASE RESISTANCE.

0470 SUTARYO, B. [Performance of some fertile restorer lines in highland its response to bacterial leaf blight]. Penampilan beberapa galur pemulih kesuburan di dataran tinggi : daya pulih dan responnya terhadap penyakit bakteri hawar daun (*Bacterial Leaf Blight = BLB*)/Sutaryo, B.; Suparyono (Balai Penelitian Tanaman Padi, Sukamandi (Indonesia)). [Proceedings of Fifteenth National Congress and Scientific Seminar of Indonesian Phytopathology Association : role of tropical phytopathology on sustainable agricultural and

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ORYZA SATIVA; VARIETIES; PLANT DISEASES; BLIGHT; XANTHOMONAS ORYZAE; PLANT RESPONSE; JAVA.

0471 TALANCA, A.H. [Application Mycorrhizae Vesicular-Arbuscular (MVA) to control banded leaf of maize (*Rhizoctonia solani*)]. Penggunaan jamur Mikoriza Vesikular-Arbuskular (MVA) untuk pengendalian penyakit hawar upih daun jagung (*Rhizoctonia solani*)/Talanca, A.H.; Soenartiningih; Rahamma, S.; Wakman, W.. Risalah Penelitian Jagung dan Serealia Lain (Indonesia) ISSN 1410-8259 (2001) v. 5 p. 47-52 3 tables; 14 ref. Summary (En)

ZEA MAYS; RHIZOCTONIA SOLANI; BIOLOGICAL CONTROL; VESICULAR ARBUSCULAR MYCORRHIZAE; INOCULATION; APPLICATION RATES.

0472 WAHYUNI, W.S. [Response of plant resistance to virus disease]. Bagaimana respons tanaman tahan terhadap infeksi virus/Wahyuni, W.S. (Universitas Jember (Indonesia). Fakultas Pertanian). [Proceedings of Fifteenth National Congress and Scientific Seminar of Indonesian Phytopathology Association : role of tropical phytopathology on sustainable agricultural and forestry development]. Prosiding Kongres Nasional 15 dan Seminar Ilmiah Perhimpunan Fitopatologi Indonesia : peran fitopatologi tropika dalam pembangunan pertanian dan kehutanan yang berkelanjutan/Universitas Jenderal Soedirman, Purwokerto (Indonesia). Purwokerto (Indonesia): UNSOED, 2000 p. 717-721 9 ref. Summary (In)

NICOTIANA TABACUM; VIRUSES; HOST PLANTS; PATHOGENS; DISEASE RESISTANCE.

0473 WAKMAN, W. [Preliminary study of mosaic disease on maize in Maros (Indonesia)]. Studi pendahuluan penyakit mosaik pada tanaman jagung di Balitjas,

Maros/Wakman, W.; Kontong, M.S.. Risaalah Penelitian Jagung dan Serealia Lain (Indonesia) ISSN 1410-8259 (2001) v. 5 p. 38-41 1 ill., 2 tables; 4 ref. Summary (En)

ZEA MAYS; PLANT VIRUSES; DISEASE TRANSMISSION; SYMPTOMS; SULAWESI.

H50 MISCELLANEOUS PLANT DISORDERS / KELAINAN LAIN PADA TANAMAN

0474 ANON. [Peppers and tomatoes fruit drop prevention causing by Calcium scarcity. Mencegah kerontokan buah cabe dan tomat akibat kahat Kalsium (Ca)/Anon.. Trubus (Indonesia) ISSN 0128-0057 (2001) v. 32(374) p. 67 1 ill.

CAPSICUM ANNUUM; LYCOPERSICON ESCULENTUM; CALCIUM FERTILIZERS; FRUIT DROP; MICRONUTRIENT FERTILIZERS.

0475 CHAIRUL, S.M. The absorpction of insecticide parathion-C-14 after application through a leaf soybean surface. Absorpsi insektisida parathion C-14 setelah diaplikasikan pada daun tanaman kedelai/Chairul, S.M.; Tamin, U. (Pusat Aplikasi Isotop dan Radiasi, Jakarta (Indonesia)). Buletin Batan (Indonesia) ISSN 0216-3293 (1996) v. 17(1) p. 17-26 1 ill., 3 tables; 3 ref. Summaries (En, In)

GLYCINE MAX; LEAVES; PARATHION; ABSORPTION; RESIDUES; RADIO-ACTIVITY.

0476 TENDA, E.T. [Effect of drought on fruit component characteristic of several hybrid coconut varieties]. Pengaruh kekeringan terhadap sifat komponen buah beberapa jenis kelapa hibrida/Tenda, E.T.; Tulalo, M.A.; Tumuju, M. (Balai Penelitian Tanaman Kelapa dan Palma Lain, Manado (Indonesia)). [Proceedings of the Symposium on Research Results of Coconut Plants and Other Palmae]. Prosiding Simposium Hasil Penelitian Tanaman Kelapa dan Palma Lain/Balai Penelitian Tanaman Kelapa dan Palma Lain, Manado (Indonesia). Manado (Indonesia): Balitka, 1999 p. 20-27 4 tables; 4 ref. Summary (In)

COCOS NUCIFERA; HYBRIDS; DROUGHT; FRUITS; YIELD COMPONENTS.

H60 WEEDS AND WEED CONTROL / GULMA DAN PENGENDALIAN GULMA

0477 FAUZI, M.T. [Combination of *Puccinia abrupta* var. *partheniicola* utilization and competition to supress parthenium weed]. Kombinasi penggunaan jamur *Puccinia abrupta* var. *partheniicola* dan kompetisi untuk menekan gulma parthenium/Fauzi, M.T. (Universitas Mataram (Indonesia). Fakultas Pertanian). [Proceedings of Fifteenth National Congress and Scientific Seminar of Indonesian Phytopathology Association : role of tropical phytopathology on sustainable agricultural and forestry development]. Prosiding Kongres Nasional 15 dan Seminar Ilmiah Perhimpunan Fitopatologi Indonesia : peran fitopatologi tropika dalam pembangunan pertanian dan kehutanan yang berkelanjutan/Universitas Jenderal Soedirman, Purwokerto (Indonesia). Purwokerto (Indonesia): UNSOED, 2000 p. 732-737 1 ill., 1 table; 10 ref. Summary (In)

CENCHRUS CILIARIS; PARTHENIUM; WEEDS; BIOLOGICAL CONTROL; PUCCINIA.

0478 MULYANINGSIH, S. [Weed management in cotton plants]. Pengelolaan gulma di pertanaman kapas/Mulyaningsih, S.; Cholid, M.; Enderwati (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). [Cotton plant. Book 2. Kapas. Buku 2/Balai Penelitian Tanaman Tembakau dan Serat. Malang (Indonesia): BALITTAS, 2002. Monograf Balittas (Indonesia) ISSN 0853-9308 (no.7) p. 119-127 3 ill., 5 tables; 17 ref.

GOSSYPIMUM HIRSUTUM; WEEDS; PLANT COMPETITION; WEED CONTROL; INTEGRATED CONTROL; WEED CONTROL EQUIPMENT; GROWTH; YIELDS.

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

0479 BUDI-SAROSO. [Postharvest, ginning, and classification of cotton fiber quality]. Pascapanen, ginning, dan klasifikasi mutu serat kapas/Budi-Saroso; Darmono (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). [Cotton plant. Book 2. Kapas. Buku 2/Balai Penelitian Tanaman Tembakau dan Serat. Malang (Indonesia): BALITTAS, 2002. Monograf Balittas (Indonesia) ISSN 0853-9308 (no.7) p. 203-210 1 ill., 3 tables; 5 ref.

COTTON; POSTHARVEST TECHNOLOGY; COTTON GINNING; FIBRES; QUALITY; VARIETIES; GRADING; BYPRODUCTS.

0480 FAUZIAH, A.R. [Method of physical quality testing of rice]. Cara pengujian mutu fisik gabah dan beras/Fauziah, A.R.; Noortasiah; Nor, T. (Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 184-191 3 tables; 7 ref. Summary (In)

RICE; VARIETIES; QUALITY; MOISTURE CONTENT; HUSKING; POSTHARVEST TECHNOLOGY.

0481 NUGRAHA, S. Effect of paddy threshing postponed to yield loss and quality decrease. Pengaruh keterlambatan perontokan padi terhadap kehilangan dan mutu hasil/Nugraha, S.; Sudaryono; Rachmat; Lubis, S. (Balai Penelitian Tanaman Padi, Sukamandi (Indonesia)) . . [Proceedings of the Seminar on BKS-PTN Barat Research Results]. Prosiding Seminar Hasil Penelitian BKS-PTN Barat, Oktober 1999/Universitas Sriwijaya Palembang (Indonesia). Fakultas Pertanian). Palembang (Indonesia): Fakultas Pertanian UNSRI, 1999 (pt. 20) 8p. 5 tables., 5 ref. Summaries(En,In)

RICE; THRESHING; POSTHARVEST LOSSES; MOISTURE CONTENT; QUALITY; THRESHERS; SUMATRA.

0482 RUKU, S. Study of "kacip" application on cashew pell off. Kajian penggunaan kacip pada pengupasan kacang mete/Ruku, S. (Balai

Pengkajian Teknologi Pertanian, Kendari (Indonesia). Jurnal Stigma (Indonesia) ISSN 0853-3776 (1999) v. 8(3) p. 238-240 1 ill., 6 ref. Summary (En)

CASHEWS; HUSKING; HANDLING LOSSES; EQUIPMENT; LABOUR PRODUCTIVITY.

0483 TENRIRAWA, A. varietal/line resistance of sorghum to storage insect pest. Uji ketahanan varietas/galur sorgum terhadap hama gudang /Tenrirawe, A. (Balai Penelitian Tanaman Jagung dan Serealia Lain, Maros (Indonesia)). Jurnal Stigma (Indonesia) ISSN 0853-3776 (1999) v. 8(3) p. 205-209 3 ill., 4 tables; 9 ref. Summary (En)

SORGHUM; VARIETIES; STORAGE; SITOPHILUS ZEAMAI; CORCYRA CEPHALONICA; POPULATION DYNAMICS; STORED PRODUCTS PESTS; SEED; DAMAGE.

K10 FORESTRY PRODUCTION / PRODUKSI HUTAN

0484 ERMAYANTI, T.M. [Photoautotropic micropropagation and its application on forest trees]. Mikropropagasi fotoautotropik dan aplikasinya untuk tanaman kehutanan /Ermayanti, T.M.(Pusat Penelitian Bioteknologi-LIPI, Bogor (Indonesia)). Warta Biotek (Indonesia) ISSN 0215-2835 (2001) v. 15(2) p. 20-27 1 table; 16 ref. Summary (In)

FOREST TREES; MICROPROPAGATION; PLANT GROWTH SUBSTANCES; IN VITRO.

0485 SIAGIAN, Y.T. Sprouting ability of branch and the success as leafy cutting of *Melaleuca cajuputi* subsp. cajuputi in some kinds media. Daya pertunasan cabang dan keberhasilan stek pucuk jenis *Melaleuca cajuputi* subsp. cajuputi pada beberapa macam media/Siagian, Y.T.; Adinugraha, H.A.. Buletin Penelitian Pemuliaan Pohon (Indonesia) ISSN 1410-1165 (2001) v. 5(2) p. 26-36 1 ill., 5 tables; 9 ref. Summary (En)

MELALEUCA; SHOOT; SPROUTING; BRANCHES; CUTTING; PLANT PROPAGATION; GROWING MEDIA.

K50 PROCESSING OF FOREST PRODUCTS / PENGOLAHAN HASIL HUTAN

0486 UTAMA, M. [Increasing of wood quality with radiation polymerization method]. Peningkatan kualitas kayu dengan metode polimerisasi radiasi/Utama, M. (Pusat Aplikasi Isotop dan Radiasi, Jakarta (Indonesia)). Buletin Batan (Indonesia) ISSN 0126-3293 (1994) v. 15(4) p. 1-10 5 ill., 4 tables; 10 ref. Summary (In)

WOOD; QUALITY; RADIATION; POLYMERIZATION; HEMICOPHYSICAL PROPERTIES; PEST RESISTANCE.

0487 UTAMA, M. [Opportunity to formulate nature rubber latex vulcanizat with low nitrosamine using radiation vulcanization method] . Peluang untuk mendapatkan vulkanizat lateks karet alam bernitrosamin rendah dengan metode vulkanisasi radiasi/Utama, M. (Pusat Aplikasi Isotop dan Radiation, Jakarta (Indonesia)). Buletin Batan (Indonesia) ISSN 0216-3293 (1995) v. 16(3) p. 34-45 3 ill., 10 ref. Summary (In)

RUBBER; LATEX; RADIATION; PROCESSING; NITROSAMINES.

L01 ANIMAL HUSBANDRY / PETERNAKAN

0488 HERDIS. . [Profile of dairy cattle farmers in North Bandung (Indonesia)]. Profil peternak sapi perah di wilayah Bandung Utara/Herdis (Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia)). Jakarta (Indonesia): BPPT, 1999 9 p. 2 tables; 6 ref. Summary (In)

DAIRY CATTLE; EMBRYO TRANSFER; FARMERS; SURVEYS; JAVA.

0489 UHI, H.T. [Program of assessment and animal husbandry development with agribusiness perspective in Irian Jaya (Indonesia)]. Program pengkajian dan pengembangan peternakan berwawasan agribisnis di Irian Jaya/Uhi, H.T. (Loka Pengkajian Teknologi Pertanian Koya Barat, Jayapura (Indonesia)). [Proceedings of the Assessment Programs and Results of Animal

Husbandry and Fisheries in Irian Jaya (Indonesia)]. Prosiding Program dan Hasil Pengkajian Peternakan dan Perikanan di Irian Jaya/Sahari, D.; Uhi, H.T.; Lewaherilla, N.E.; Nggobe, M. Loka Pengkajian Teknologi Pertanian Koya Barat, Jayapura (Indonesia). Jayapura (Indonesia): LPTP Koya Barat, 1997 p. 12-18 2 tables; 7 ref.

ANIMAL HUSBANDRY; DEVELOPMENT POLICIES; LAND USE; ANIMAL POPULATION; ANIMAL DEVELOPMENTAL STAGES; AGROINDUSTRIAL SECTOR; CONSUMPTION; FARM INCOME; NATURE CONSERVATION; IRIAN JAYA.

0490 UHI, H.T. [Technology expose of rearing management of native chicken]. Gelar teknologi tatalaksana pemeliharaan ternak ayam buras/Uhi, H.T. (Loka Pengkajian Teknologi Pertanian Koya Barat, Jayapura (Indonesia)). [Proceedings of the Assessment Programs and Results of Animal Husbandry and Fisheries in Irian Jaya (Indonesia)]. Prosiding Program dan Hasil Pengkajian Peternakan dan Perikanan di Irian Jaya/Sahari, D.; Uhi, H.T.; Lewaherilla, N.E.; Nggobe, M. Loka Pengkajian Teknologi Pertanian Koya Barat, Jayapura (Indonesia). Jayapura (Indonesia): LPTP Koya Barat, 1997 p. 24-32 7 ref. Summary (In)

CHICKENS; REARING TECHNIQUE; COST BENEFIT ANALYSIS; TECHNOLOGY TRANSFER; IRIAN JAYA.

0491 WIRYONO, P.B. [Reorientation of program and policy of animal husbandry development to support regional autonomy in East Java in East Java (Indonesia)]. Reorientasi program dan kebijaksanaan pembangunan peternakan mendukung otonomi daerah di Jawa Timur/Wiryono, P.B. (Dinas Peternakan Propinsi Jawa Timur, Surabaya (Indonesia)). [Proceedings of the Workshop on Priority Compilation of Program and Strategic Planning of Agricultural Development in East Java (Indonesia)]. Prosiding Lokakarya Penyusunan Prioritas Program dan Perencanaan Strategis Pembangunan Pertanian Jawa Timur/Sugiyarto, M.; Widajati, E.; Santosa, B.; Suwandoyo (eds.) Balai Pengkajian Teknologi Pertanian Karangploso (Indonesia). Malang (Indonesia): BPTP Karangploso, 2000 p. 123-134. Prosiding BPTP Karangploso (Indonesia) ISSN 1410-9905 (no. 5) 7 tables

ANIMAL HUSBANDRY; DEVELOPMENT POLICIES; SMALL FARMS; FOOD SECURITY; ECONOMIC COMPETITION; PRODUCTION INCREASE; INTENSIVE HUSBANDRY; FARM INPUTS; JAVA.

0492 YUSDJA, Y. [Profile and problem of smallscale broiler husbandry after deregulation policy 1990]. Profil dan permasalahan peternakan broiler rakyat setelah deregulasi tahun 1990/Yusdja, Y. (Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia)). [Agricultural development policy : analysis of anticipative and responsive policies]. Kebijakan pembangunan pertanian : analisis kebijaksanaan antisipatif dan responsif/Suryana, A.; Sudaryanto, T.; Mardianto, S. Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia). Bogor (Indonesia): PSE, 1997 p. 103-117. Monograph Series Pusat Penelitian Sosial Ekonomi Pertanian (Indonesia) (1997) (no. 17) 5 tables; Appendices

BROILER CHICKENS; ECONOMIC DEVELOPMENT; AGROINDUSTRIAL SECTOR; COST BENEFIT ANALYSIS.

L02 ANIMAL FEEDING / PAKAN TERNAK

0493 AMINAH, S. [Addition of milk for three and four twin sheep var. Garut]. Pemberian susu tambahan untuk ternak domba Garut kelahiran kembar tiga dan empat/Aminah, S.; Sumantri, M.; Supardi, K. (Balai Penelitian Ternak, Bogor (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 164-167 1 table; 4 ref. Summary (In)

LUMBS; SIBLINGS; PREWEANING PERIOD; MILK REPLACERS; WEIGHT GAIN; MORTALITY; SURVIVAL.

0494 BUTARBUTAR, S.O. [Availability of seed material for poultry]. Bahan pakan unggas masih kurang/Butarbutar, S.O. (Pusat Penelitian dan Pengembangan Peternakan,

Bogor (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2001) v. 23(2) p. 18-19 2 ill., 1 table

POULTRY; FEEDS; FEED PROCESSING; SOYBEAN MEAL; ECONOMICS.

0495 CIPTAAN, G. The weight of physiology organs of broiler fed fermented banana peels (*Musa brachiarpa*). Berat organ fisiologi ayam broiler pada ransum yang memakai kulit pisang batu (*Musa brachiarpa*) fermentasi/Ciptaan, G.; Mirnawati (Universitas Andalas, Padang (Indonesia). Fakultas Peternakan). Jurnal Penelitian Andalas (Indonesia) (2001) v. 13(35) p. 8-13 2 tables; 9 ref. Summary (En)

BROILER CHICKENS; BODY WEIGHT; BANANAS; FERMENTATION; FEEDS; RATIONS; DIET; PROXIMATE COMPOSITION.

0496 HUSMAINI. The effect of utilization cassapro in native chicken diet on production and egg quality of the initiating phase production . Efek pemberian cassapro dalam ransum ayam buras terhadap produksi dan kualitas telur periode produksi phase awal/Husmaini; Martinelly, E. (Universitas Andalas, Padang (Indonesia).Fakultas Peternakan). Jurnal Penelitian Andalas (Indonesia) (2001) v. 13(35) p. 99-106 3 tables; 11 ref.Summary (En)

CHICKENS; DIET; EGG PRODUCTION; QUALITY; CASSAVA ; FERMENTATION; EGG YOLK; EGG SHELL; WEIGHT.

0497 IRIYANTI, N. [Effect of *Lactobacillus* as a probiotic in chicken ration to antagonisms activity and *Lactobacillus* sp competitiveness in chicken digestive track]. Pengaruh suplementasi probiotik *Lactobacillus* sp. dalam ransum unggas terhadap aktivitas antagonisme dan kompetisi *Lactobacillus* sp. pada saluran pencernaan unggas/Iriyanti, N.; Aris R, E. (Universitas Jenderal Soedirman, Purwokerto (Indonesia). Fakultas Peternakan). Biosfera (Indonesia) ISSN 0853-1625 (2001) v. 18(2) p. 68-72 3 tables; 15 ref. Summary (En)

CHICKENS; RATIONS; LACTOBACILLUS; ANTAGONISM; DIGESTIVE SYSTEM; PATHOGENS.

0498 MIRNAWATI. The utilization of onggok fermented by *Neurospora* spp in the broiler ration. Pemanfaatan produk onggok fermentasi dengan *Neurospora* spp sebagai bahan pakan ayam broiler/Mirawati; Ciptaan, G. (Universitas Andalas, Padang (Indonesia). Fakultas Peternakan). Jurnal Penelitian Andalas (Indonesia) (2001) v. 13(35) p. 29-35 2 tables; 6 ref.Summary (En)

BROILER CHICKENS; RATIONS; AGRICULTURAL WASTES; FERMENTED PRODUCTS; NEUROSPORA; FEED CONSUMPTION.

0499 NURAINI. The effect of fermented bengkuang leaves with *Trichoderma koningii* on broiler performance and income over feed cost . Pengaruh daun bengkuang fermentasi dengan *Trichoderma koningii* terhadap performa dan income over feed cost ayam broiler/Nuraini; Hellyward, J.; Mirzah (Universitas Andalas, Padang (Indonesia). Fakultas Peternakan). Jurnal Penelitian Andalas (Indonesia) (2001) v. 13(35) p. 42-47 2 tables; 5 ref.Summary (En)

BROILER CHICKENS; RATIONS; LEAVES; PACHYRHIZUS; TRICHODERMA KONINGII; FERMENTED PRODUCTS; ANIMAL PERFORMANCE; INCOME; DIET; BODY WEIGHT; PROXIMATE CONSUMPTION; FEED CONVERSION EFFICIENCY.

0500 SABRINA. The influence of palm kernel cakes fermented by *Neurospora sitophila* on broilers performance. Pengaruh pemberian bungkil inti sawit yang difermentasi dengan *Neurospora sitophila* terhadap performa ayam broiler/Sabrina (Universitas Andalas, Padang (Indonesia). Fakultas Peternakan). Jurnal Penelitian Andalas (Indonesia) (2001) v. 13(35) p. 48-55 2 tables; 17 ref.Summary (En)

BROILER CHICKENS; RATIONS; NEUROSPORA; ANIMAL PERFORMANCE; FERMENTED PRODUCTS; FEED CONSUMPTION; OIL SEED CAKES; PALM KERNEL; FEED CONVERSION EFFICIENCY; CARCASSES; ABDOMINAL FAT; WEIGHT.

0501 SETIAWAN, A. The value of forage of Wan Abdul Rakhman provincial park Lampung Province for its surrounding people.

Nilai ekonomi hijauan pakan ternak dari Taman Hutan Raya Wan Abdul Rakhman Propinsi Lampung bagi masyarakat desa di sekitarnya/Setiawan, A.; Alikodra, H.S.; Darusman, D.; Adiwibowo, S. . [Proceedings of the Seminar on BKS-PTN Barat Research Results]. Prosiding Seminar Hasil Penelitian BKS-PTN Barat, Oktober 1999/Universitas Sriwijaya Palembang (Indonesia). Fakultas Pertanian). Palembang (Indonesia): Fakultas Pertanian UNSRI, 1999 (pt. 5) 11p. 7 tables., 17 ref. Summary (En)

FEED CROPS; ECONOMIC VALUE; PRICES; LAMPUNG.

0502 SUWARDI, N.K. The effect of CYC-100 and bioplus probiotics supplement on daily gain and health status of female Fries Holland dairy calves. Pengaruh pemberian probiotik CYC-100 dan bioplus terhadap pertambahan bobot badan serta kesehatan pedet betina sapi Fries Holland (FH)/Suwardi, N.K.; Hermawan; Budimulyati, L. (Universitas Padjadjaran, Bandung (Indonesia). Fakultas Peternakan). Bionatura (Indonesia) ISSN 1411-0903 (2000) v. 2(1) p. 43-49 2 tables; 14 ref. Summaries (En, In)

CALVES; PROBIOTICS; SUPPLEMENTS; BODY WEIGHT; ANIMAL HEALTH.

0503 SYAHRUDDIN, E. . Penambahan garam empedu (*Sodium deoxycholat*) dalam ransum terhadap kandungan lemak abdominal dan kolesterol karkas ayam broiler/Syahrudin, E. (Universitas Andalas, Padang (Indonesia). Fakultas Peternakan). Jurnal Penelitian Andalas (Indonesia) (2000) v. 12(32) p. 23-28 2 tables; 7 ref. Summary (En)

BROILER CHICKENS; CARCASS COMPOSITION; CHOLESTEROL; ABDOMINAL FAT; DIET; FEED CONSUMPTION; BODY WEIGHT; LIPID CONTENT; FEED CONVERSION EFFICIENCY.

0504 WAJIZAH, S. Effect of *Leuconostoc citreum* TSD-10 supplementation with different substrate on ruminal fermentation (*in vitro*). Pengaruh penambahan probiotik *Leuconostoc citreum* TSD-10 pada substrat yang berbeda terhadap aktivitas fermentasi rumen (*in vitro*)/Wajizah, S. (Universitas Syiah Kuala Darussalam, Banda Aceh

(Indonesia). Fakultas Pertanian). Jurnal Agrista (Indonesia) ISSN 1410-3389 (2000) v. 4(3) p. 291-297 3 tables; 28 ref. Summary (En)

RUMINANTS; FEED ADDITIVES; PROBIOTICS; LEUCONOSTOC; PH; RUMEN DIGESTION.

0505 YELLITA, Y. The influence of various level of palm kernel cake fermented by *Trichoderma harzianum* in ration on local duck physiology organs. Pengaruh berbagai level bungkil inti sawit fermentasi (bisf) dengan kapang *Trichoderma harzianum* dalam ransum terhadap beberapa organ fisiologis itik lokal/Yellita, Y.; Hellyward, J.; Sabrina (Universitas Andalas, Padang (Indonesia). Fakultas Peternakan). Jurnal Penelitian Andalas (Indonesia) (2001) v. 13(35) p. 65-71 2 tables; 8 ref. Summary (En)

DUCKS; OIL SEED CAKES; PALM KERNEL; FERMENTED PRODUCTS; RATIONS; TRICHODERMA HARZIANUM.

0506 ZAIN. The effect of utilizing fermented palm press fiber in ration on digestibility of fiber components in sheep. Pengaruh penggunaan serat sawit fermentasi dalam ransum terhadap pencernaan komponen serat pada ternak domba lokal/Zain; Mardiaty; Jamarun, N. (Universitas Andalas, Padang (Indonesia). Fakultas Peternakan). Jurnal Penelitian Andalas (Indonesia) (2001) v. 13(35) p. 82-91 7 tables; 20 ref. Summary (En)

SHEEP; RATIONS; DIGESTIBILITY; FIBRES; OIL PALMS; FERMENTED PRODUCTS; ASPERGILLUS NIGER; DIET; NUTRIENT; PROXIMATE COMPOSITION.

L10 ANIMAL GENETICS AND BREEDING / GENETIKA DAN PEMULIAAN TERNAK

0507 ANDRI. The profile of beef cattle enterprise in Simenthal Breeding Centre IV Angkat Candung sub - district of Agam Regency (Indonesia). Profil usaha sapi potong pada pusat pembibitan Simenthal di Kecamatan IV Angkat Candung Kabupaten Agam/Andri; Boyon (Universitas Andalas,

Padang (Indonesia). Fakultas Peternakan). Jurnal Penelitian Andalas (Indonesia) (2001) v. 13(35) p. 1-7 2 tables; 4 ref. Summary (En)

BEEF CATTLE; ANIMAL BREEDING; FARMING SYSTEMS; DATA ANALYSIS; ECONOMIC VALUE; COSTS; FARMERS; SUMATRA.

0508 JADI, M.L. Effect of equilibration time and freezing time on ram frozen semen quality. Pengaruh lama ekuilibrasi dan lama pembekuan terhadap kualitas semen beku domba/Jadi, M.L.(Politeknik Pertanian Kupang (Indonesia)). Publikasi Berkala Penelitian Pascasarjana Universitas Padjadjaran (Indonesia) ISSN 0853-4136 (2000) v.11(1) p. 92-105 4 tables; 17 ref. Summary (En)

SHEEP; SEMEN; ARTIFICIAL INSEMINATION; FREEZING; QUALITY.

0509 LAYLA, Z. [Technique of Random Amplified Polimorphic DNA (RAPD) application using Polimerase Chain Reaction (PCR)]. Teknik penggunaan marka RAPD dengan PCR/Layla, Z. (Balai Penelitian Ternak, Bogor (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 147-155 2 ill., 2 tables; 4 ref. Summary (In)

SHEEP; DNA; ISOLATION; RAPD; PCR; GENETIC POLYMORPHISM; ELECTROPHORESIS.

0510 MARDIYAH, E. [Collecting and evaluation of cattle semen quality using artificial vagina]. Penampungan dan evaluasi mutu semen sapi dengan vagina buatan/Mardiyah, E.; Suarida, I.; Pustaka, I.K.; Hernawati, R. (Balai Penelitian Ternak, Bogor (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 138-146 7 table; 7 ref. Summary (In). appendices

BULLS; SEMEN; VAGINA; ARTIFICIAL INSEMINATION; EJACULATION; SPERMATOZOA; SURVIVAL; BREEDING METHODS; CONSISTENCY.

0511 MARDIYAH, E. [Dilution technique on the chilling of cattle semen]. Teknik pengenceran pada pembuatan chilling semen sapi/Mardiyah, E. (Balai Penelitian Ternak, Bogor (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 130-137 2 tables; 10 ref. Summary (In

BULLS; SEMEN PRESERVATION; COOLING; SURVIVAL; ARTIFICIAL INSEMINATION; EGG YOLK; FERTILITY; TEMPERATURE; QUALITY.

0512 NUSCHATI, U. [Study of beef cattle farming system in dry land area in Central Java (Indonesia)]. Pengkajian sistem usaha pertanian (SUP) sapi potong di lahan kering Jawa Tengah Tahun 2000/ Nuschati, U. (Instalasi Penelitian dan Pengkajian Teknologi Pertanian, Klepu (Indonesia)). [Implementation Report of Informasi Meeting on Agricultural Technology "Stabilization of Animal Husbandry Research Program"]. Laporan Pelaksanaan Pertemuan Informasi Teknologi Pertanian "Pemantapan Rancangan Pengkajian Peternakan"/Balai Pengkajian Teknologi Pertanian Ungaran (Indonesia). Ungaran (Indonesia): BPTP Ungaran, 2000 (pt. 5) 6p. 1 table; 7 ref.

BEEF CATTLE; FARMING SYSTEMS; FLUSHING; FATTENING; DRY FARMING; ARTIFICIAL INSEMINATION; SUPPLEMENTARY FEEDING; JAVA.

0513 PRAWIRODIGDO, S. [Assessment of native chicken farming system in Central Java, fiscal year of 2000 (Indonesia)]. Pengkajian sistem usaha ayam lokal di Jawa Tengah tahun anggaran 2000/Prawirodigdo, S.; Pramono, D.; Dirjopranoto, W. (Instalasi Penelitian dan Pengkajian Teknologi Pertanian, Klepu (Indonesia)); Yuwono, D.M.. [Implementation Report of Information Meeting on Agricultural Technology "Stabilization of Animal Husbandry Research

Program"]. Laporan Pelaksanaan Pertemuan Informasi Teknologi Pertanian "Pemantapan Rancangan Pengkajian Peternakan"/Balai Pengkajian Teknologi Pertanian Ungaran (Indonesia). Ungaran (Indonesia): BPTP Ungaran, 2000 (pt. 4) 8p. 12 ref.

CHICKENS; FARMING SYSTEMS; TECHNOLOGY TRANSFER; ARTIFICIAL INSEMINATION; SELECTION; FEEDS; JAVA.

0514 SUBIHARTA. [Adaptation test of "Tegal" duck rearing technology in North coast of Java Island (Indonesia)]. Uji adaptasi teknologi usaha ternak itik Tegal di daerah pantai utara/Subiharta; Yuwono, D.M.; Prawirodigdo, D.P.S. (Instalasi Penelitian dan Pengkajian Teknologi Pertanian, Klepu (Indonesia)); Rahardjo, Y.C.; Prasetyo, H.L.. [Implementation Report of Information Meeting on Agricultural Technology "Stabilization of Animal Husbandry Research Program"]. Laporan Pelaksanaan Pertemuan Informasi Teknologi Pertanian "Pemantapan Rancangan Pengkajian Peternakan" /Balai Pengkajian Teknologi Pertanian Ungaran (Indonesia). Ungaran (Indonesia): BPTP Ungaran, 2000 (pt. 3) 10p. 2 ill., 18 ref.

DUCK; TECHNOLOGY TRANSFER; ANIMAL HUSBANDRY; SELECTION; COST BENEFIT ANALYSIS; JAVA.

0515 SUHARTO. [Selection technique of goat and sheep breeds]. Teknik pemilihan bibit kambing dan domba/Suharto (Balai Penelitian Ternak, Bogor (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (Eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 168-175 1 table; 4 ref. Summary (In

GOATS; SHEEP; SELECTION; CROSSBREEDING; ANIMAL PERFORMANCE; BODY CONDITION; BREEDS (ANIMALS).

0516 UTOMO, B. [Assessment of farming system technology of feed improving and reproduction on people's Friesian Holstein Ficial dairy cattle]. Pengkajian teknologi Sistem Usaha Tani (SUT) perbaikan ransum dan reproduksi sapi perah rakyat Peranakan

Friesian Holstein (PFH)/Utomo, B.; Subiharta; Nuschati, U.; Pramono, D. (Instalasi Penelitian dan Pengkajian Teknologi Pertanian, Klepu (Indonesia); Yuwono, D.M.; Ernawati; Sudjatmogo . [Implementation Report of Information Meeting on Agricultural Technology "Stabilization of Animal Husbandry Research Program"]. Laporan Pelaksanaan Pertemuan Informasi Teknologi Pertanian "Pemantapan Rancangan Pengkajian Peternakan" /Balai Pengkajian Teknologi Pertanian Ungaran (Indonesia) . Ungaran (Indonesia): BPTP Ungaran, 2000 (pt. 6) 6p. 9 ref.

DAIRY COWS; FARMING SYSTEMS; FEEDS; INGREDIENTS; TECHNOLOGY TRANSFER; REPRODUCTION CONTROL; MILK PRODUCTION.

0517 WAHYUDI, A.T. [Construct genomic DNA library]. Perpustakaan gen: bagaimana mengonstruksinya ?/Wahyudi, A.T. (Institut Pertanian Bogor (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam). Hayati (Indonesia) ISSN 0854-8587 (2001) v. 8(1) p. 27-30 2 ill., 11 ref. Summary (En)

GENE BANK; DNA; PLASMIDS; NUCLEOTIDE SEQUENCE; GENOMES.

L20 ANIMAL ECOLOGY / EKOLOGI TERNAK

0518 HELLYWARD, J. Utilization of agro-industry waste product in beef cattle farm. Pemanfaatan limbah agro-industri dalam usaha sapi potong/Hellyward, J.; Rossi, E.; Mirzah (Universitas Andalas, Padang (Indonesia). Fakultas Peternakan). Jurnal Penelitian Andalas (Indonesia) (2001) v. 13(35) p. 14-21 5 tables; 13 ref. Summary (En)

BEEF CATTLE; RATIONS; WASTES; AGROINDUSTRIAL SECTOR; DIET; CONSUMPTION; FEEDS; CRUDE PROTEIN.

L40 ANIMAL STRUCTURE / MORFOLOGI DAN ANATOMI HEWAN

0519 SUYANTO, A. [Guidance for rat identification in Java (Indonesia)]. Penuntun identifikasi tikus (suku: muridae) di

Jawa/Suyanto, A. (Balai Penelitian dan Pengembangan Zoologi, Bogor (Indonesia)). Fauna Indonesia (Indonesia) ISSN 0216-9169 (2001) V. 5(1) p. 7-25 6 ill., 12 ref.

RATS; IDENTIFICATION; ANIMAL MORPHOLOGY; ZOOLOGY; HABITATS; BEHAVIOUR; FEEDS; REPRODUCTION; JAVA.

L51 ANIMAL PHYSIOLOGY-NUTRITION / FISILOGI TERNAK - NUTRISI

0520 ABDURACHMAN. [Storage technique of rumen fluid for amonia analysis]. Teknik penyimpanan cairan rumen untuk analisis amonia/Abdurachman; Askar, S. (Balai Penelitian Ternak, Bogor (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 126-129 2 tables; 3 ref. Summary (In)

RUMINANTS; RUMEN; STORAGE; COLD STORES; AMMONIA; KEEPING QUALITY; DURATION.

0521 GUNAWAN. [Removal technique of rumen fluid from sheep]. Teknik pengambilan cairan rumen pada domba/Gunawan; Purnama, R.D. (Balai Penelitian Ternak, Bogor (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 84-88 1 tables; 7 ref. Summary (In)

SHEEP; RUMEN FLUID; FISTULATION; IN VITRO EXPERIMENTATION; APPLICATION METHODS.

0522 ROKHMAN. [Collecting technique of faeces and urine of ewes and goats]. Teknik penampungan feses dan urine untuk domba-kambing betina /Rokhman (Balai Penelitian Ternak, Bogor (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.;

Priyanto, D.; Budiman, H. (Eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 95-100 2 ill., 4 ref. Summary (In)

EWES; NANNYGOATS; FAECES; URINE; POLYESTERS; BOTTLES.

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

0523 ADAM, M. Effect of cool roost on body temperature of Burung Beo (*Gracula religiosa*) exposed to 35^o. C hot environment. Pengaruh pipa dingin terhadap suhu tubuh burung beo (*Gracula religiosa*) yang ditempatkan pada suhu ruangan 35 deg.. C/Adam, M.; Yusuf, I.; Erina . . [Proceedings of the Seminar on BKS-PTN Barat Research Results]. Prosiding Seminar Hasil Penelitian BKS-PTN Barat, Oktober 1999/Universitas Sriwijaya Palembang (Indonesia). Fakultas Pertanian). Palembang (Indonesia): Fakultas Pertanian UNSRI, 1999 (pt. 27) 6p. 1 table., 19 ref. Summaries (En,In)

ORNAMENTAL BIRDS; ENVIRONMENT; BODY TEMPERATURE.

0524 MUNTIHA, M. [Making technique of histopathology preparate from animal tissue using Hematoxilin and Eosin colouring]. Teknik pembuatan preparat histopatologi dari jaringan hewan dengan pewarnaan Hematoksilin dan Eosin (H&E)/Muntiha, M.(Balai Penelitian Veteriner, Bogor (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 156-163 4 ill., 4 ref. Summary (In)

WATER BUFFALOES; ANIMAL TISSUE; HISTOPATHOLOGY; COLOUR; FORMALDEHYDE; DRYING; IDENTIFICATION.

L53 ANIMAL PHYSIOLOGY-REPRODUCTION/ FISILOGI TERNAK - REPRODUKSI

0525 ARITONANG, S.N. The effect of forage energy level on production and

reproduction performances of Kosta female goat. Pengaruh tingkat energi pakan hijauan terhadap performans produksi dan reproduksi kambing Kosta betina/Aritonang, S.N. (Universitas Andalas, Padang (Indonesia). Fakultas Peternakan). Publikasi Berkala Penelitian Pascasarjana Universitas Padjadjaran (Indonesia) ISSN 0853-4136 (2000) v.11(1) p. 156-167 9 ref. Summary (En)

GOATS; GREEN FEED; ENERGY VALUE; ANIMAL PRODUCTION; REPRODUCTION.

0526 BHAUDIN, R. [Determination of progesterone content in blood for ruminants estrous cycle with radioimmunoassay technique]. Penetapan kadar progesteron dalam darah untuk menentukan siklus estrus ternak ruminansia dengan teknik radioimmunoassay (RIA)/Bahaudin, R. (Pusat Aplikasi Isotop dan Radiasi, Jakarta (Indonesia)) . Buletin Batan (Indonesia) ISSN 0216-3293 (1995) v. 16(3) p. 8-6 4 ill., 3 ref.

RUMINANTS; PROGESTERONE; OESTROUS CYCLE; RADIO-IMMUNOASSAY; BLOOD.

0527 SUWITO, A. [Sexual behaviour of *Drosophila elegans* and *Drosophila gunungcola* on *Ipomoea indica* flowers in Cibodas (Indonesia)]. Perilaku kawin *Drosophila elegans* dan *D. gunungcola* pada bunga *Ipomoea indica* di Cibodas/Suwito, A. (Balai Penelitian dan Pengembangan Zoologi, Bogor (Indonesia)). Fauna Indonesia (Indonesia) ISSN 0216-9169 (2001) V. 5(1) p. 33-40 3 ill., 4 ref. Summary (In)

DROSOPHILA; SEXUAL BEHAVIOUR; IPOMOEA; FLOWERS; POPULATION DENSITY; JAVA.

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

0528 KUSMAEDI. [Technique for Hemagglutination inhibition test to neasure immunity level to Newcastle Disease and Egg Drop Syndrome'76] Teknik uji Hemagglutination inhibition untuk mengukur

tingkat kekebalan terhadap Newcastle Disease dan Egg Drop Syndrome'76/Kusmaedi (Balai Penelitian Veteriner, Bogor (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 224-232 3 ill., 2 tables; 8 ref. Summary (In)

LAYER CHICKENS; NEWCASTLE DISEASE; EGG DROP SYNDROME; HAEMAGGLUTINATION TESTS; IMMUNODIAGNOSIS; SERUM.

0529 YUSRINI, H. [Application of repeated motor phase of Tetracycline on antibiotic analysis in high efficiency liquid chromatography equipment]. Pemakaian ulang fase gerak Tetrasiklin dalam analisis antibiotika pada alat khromatografi cairan kinerja tinggi/Yusrini, H. (Balai Penelitian Veteriner, Bogor (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 219-223 3 tables; 7 ref. Summary (In)

TETRACYCLINES; HPLC; RESIDUES; INJECTION.

L72 PESTS OF ANIMALS / HAMA DAN PARASIT TERNAK

0530 YAHERWANDI. Biology of parasitoid *Baeognatha javana* bhat and gupta (*Hymenoptera: braconidae*) on soybean podborrer *Etiella zinckenella* treitschke (*Lepidoptera:pyralidae*). Biologi parasitoid *Baeognatha javana* bhat dan gupta (*Hymenoptera:braconidae*) pada penggerek polong kedelai *Etiella zinckenella* treitschke (*Lepidoptera:pyralidae*) /Yaherwandi; Yunisman (Universitas Andalas, Padang (Indonesia). Fakultas Pertanian). Jurnal Penelitian Andalas (Indonesia) (2000) v. 12(32) p. 114-121 2 tables; 11 ref. Summary (En)

GLYCINE MAX; HYMENOPTERA; BRACONIDAE; BIOLOGY; PARASITES; ETIELLA ZINCKENELLA;

LEPIDOPTERA; STEM EATING INSECTS; PESTS OF PLANTS.

L73 ANIMAL DISEASES / PENYAKIT TERNAK

0531 BARKAH, K. [Isolation of *Bacillus anthracis* on Anthrax case in Bogor (Indonesia)]. Isolasi *Bacillus anthracis* pada kasus antraks di Bogor/Barkah, K. (Balai Penelitian Veteriner, Bogor (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 176-183 2 ill., 1 table; 8 ref. Summary (In)

ANTHRAX; ISOLATION TECHNIQUES; BACILLUS ANTHRACIS; MICROBIOLOGICAL ANALYSIS; JAVA.

0532 KURNIADHI, P. [Application of serum neutralization test for serologic diagnosis of *Bovine Viral Diarrhoea (BVD)* on cattle]. Penerapan uji netralisasi serum untuk diagnosis serologik penyakit *Bovine Viral Diarrhoea (BVD)* pada sapi/Kurniadhi, P. (Balai Penelitian Veteriner, Bogor (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 213-218 1 table; 10 ref. Summary (In)

CATTLE; DIARRHOEA; VIROSES; NEUTRALIZATION TESTS; SERUM; IMMUNODIAGNOSIS; ANTIBODIES.

0533 MARIA, H.A. [Some constraints on tissue culture unit]. Beberapa kendala pada unit biakan jaringan/Maria, H.A.; Ariyani, H. (Balai Penelitian Veteriner, Bogor (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 197-204 6 ref. Summary (In). Appendices

LIVESTOCK; TISSUE CULTURE; VIROSES; IDENTIFICATION; VIROLOGY; LABORATORY EQUIPMENT; STERILIZING; INCUBATORS; REFRIGERATION EQUIPMENT; LABORATORIES.

0534 SUKANTO. [Antibacterial effect of tempe extract made from soybean of Slamet cultivar fermented *Rhizopus oligosporus* BU 5, *Rhizopus oryzae* and their combination on *Escherichia coli*]. Daya antibakteri ekstrak tempe kedelai Slamet hasil fermentasi *Rhizopus oligosporus* BU 5, *Rhizopus oryzae* dan kombinasinya terhadap *Escherichia coli*/Sukanto; Sunarto; Muslikhah (Universitas Jenderal Soedirman, Purwokerto (Indonesia)). Biosfera (Indonesia) ISSN 0853-1625 (2001) v. 18(2) p. 62-67 11 ref. Summary (En)

SOYFOODS; BACTERICIDES; DIARRHOEA; FERMENTED FOOD; DISEASE CONTROL; ESCHERICHIA COLI.

0535 SUPRIATNA, A.K. A mathematical model for the transmission of the dengue fever. Model matematika penyebaran penyakit demam berdarah /Supriatna, A.K. (Universitas Padjadjaran, Bandung (Indonesia)). Fakultas Matematika dan Ilmu Pengetahuan Alam; Soewono, E.. Bionatura (Indonesia) ISSN 1411-0903 (2000) v. 2(3) p. 104-116 4 ill., 13 ref. Summaries (En, In)

AEDES AEGYPTI; EPIDEMIOLOGY; MATHEMATICAL MODELS; CLIMATIC CHANGE.

0536 SURYANA, N. [Technique for survival testing of Newcastle Disease vaccine which diluted on different stored time]. Teknik pengujian daya hidup virus vaksin Newcastle Disease yang telah diencerkan dalam waktu penyimpanan yang berbeda/Suryana, N.(Balai Penelitian Veteriner, Bogor (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 205-212 1 ill., 1 table; 9 ref. Summary (In)

CHICKENS; NEWCASTLE DISEASE VIRUS; VACCINES; SURVIVAL; LIQUIDS; STORAGE; DURATION;

COCONUT WATER; SOLVENTS; DOSAGE; DISTILLED WATER.

0537 SUWANDI. [Some parasitic disease on livestock]. Mengenal berbagai penyakit parasitik pada ternak/Suwandi (Balai Penelitian Ternak, Bogor (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 116-125 9 ref. Summary (In). appendices

LIVESTOCK; PARASITOSEs; LIFE CYCLE; PARASITES; GEOGRAPHICAL DISTRIBUTION; HABITATS; SPECIES.

M01 FISHERIES AND AQUACULTURE-GENERAL ASPECTS / PERIKANAN DAN BUDIDAYA PERAIRAN-ASPEK UMUM

0538 DINAS PERIKANAN PROPINSI JAWA TIMUR. [Reorientation of program and policy of fisheries development to support regional autonomy development in East Java (Indonesia)]. Reorientasi program dan kebijaksanaan pembangunan perikanan mendukung otonomi daerah di Jawa Timur/Dinas Perikanan Propinsi Jawa Timur, Surabaya (Indonesia). [Proceedings of the Workshop on Priority Compilation of Program and Strategic Planning of Agricultural Development in East Java (Indonesia)]. Prosiding Lokakarya Penyusunan Prioritas Program dan Perencanaan Strategis Pembangunan Pertanian Jawa Timur/Sugiyarto, M.; Widajati, E.; Santosa, B.; Suwandoyo (eds.) Balai Pengkajian Teknologi Pertanian Karangploso (Indonesia). Malang (Indonesia): BPTP Karang Ploso, 2000 p. 102-109. Prosiding BPTP Karangploso (Indonesia) ISSN 1410-9905 (no. 5)

FISHERY RESOURCES; FISHERIES DEVELOPMENT; SUSTAINABILITY; SELF SUFFICIENCY; FOOD SECURITY; DIVERSIFICATION; FARM INCOME; QUALITY OF LIFE; APPROPRIATE TECHNOLOGY; TECHNOLOGY TRANSFER; JAVA.

0539 WIADNYA, D.G.R. [Optimization of resources potential to support fisheries

development in East Java (Indonesia)]. Optimasi potensi lestari sumberdaya dalam mendukung pembangunan perikanan di Jawa Timur/Wiadnya, D.G.R.; Sutjipto, D.D.; Murachman; Purwodarijanto (Universitas Brawijaya, Malang (Indonesia). Fakultas Perikanan). [Proceedings of the Workshop on Priority Compilation of Program and Strategic Planning of Agricultural Development in East Java (Indonesia)]. Prosiding Lokakarya Penyusunan Prioritas Program dan Perencanaan Strategis Pembangunan Pertanian Jawa Timur/Sugiyarto, M.; Widajati, E.; Santosa, B.; Suwandoyo (eds.) Balai Pengkajian Teknologi Pertanian Karangploso (Indonesia). Malang (Indonesia): BPTP Karang Ploso, 2000 p. 76-101. Prosiding BPTP Karangploso (Indonesia) ISSN 1410-9905 (no. 5) 4 ill., 3 tables; 21 ref.

FISH CULTURE; FISHERY RESOURCES; FISHERIES DEVELOPMENT; FISHERY DATA; PRODUCTION POSSIBILITIES; FISHING AREA; BRACKISH WATER; JAVA.

M11 FISHERIES PRODUCTION / PRODUKSI PERIKANAN

0540 ARLIUS. [Management of fishery and coastal area resources in West Sumatra (Indonesia) regional autonomy era]. Pengelolaan sumber daya kelautan dan wilayah pesisir Sumatera Barat dalam rangka penerimaan otonomi daerah/Arliaus (Universitas Bung Hatta, Padang (Indonesia). Fakultas Perikanan). [Proceedings of the National Seminar on Agricultural Research and Assessment Results]. Prosiding Seminar Nasional Hasil-hasil Penelitian dan Pengkajian Pertanian/Las, I.; Irfan, Z.; Nurdin, F.; Burbey; Nasrun; Imran (eds.) Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia). Bogor (Indonesia): PSE, 2000 p. 41-46 5 ref.

SUMATRA; FISHERY RESOURCES; COASTS; REGIONAL DEVELOPMENT.

0541 NURYANTO, A. [Study on Karyotypes of *Osteochilus* sp. on two different habitats]. Studi Kariotipe ikan nilam (*Osteochilus* sp.) pada dua habitat berbeda/Nuryanto, A. (Universitas Jenderal Soedirman, Purwokerto (Indonesia). Fakultas Biologi); Sjafei, D.S.; Rahardjo, M.F.; Sugiri, N.. Biosfera (Indonesia) ISSN 0853-1625

(2001) v. 18(2) p. 40-45 4 ill., 14 ref. Summary (En)

OSTEOCHILLUS; PONDS; HABITATS; KARYOTYPES; RIVERS.

M12 AQUACULTURE PRODUCTION AND MANAGEMENT / PRODUKSI DAN PENGELOLAAN BUDIDAYA PERAIRAN

0542 REJIKI, S. [Mimi (*Tachypleus gigas*) culture method]. Cara memelihara larva dan benih Mimi/Rejiki, S. (Instalasi Penelitian dan Pengkajian Teknologi Pertanian, Serang (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2002) v. 24(2) p. 14-16 1 ill.

LARVAE; FISH CULTURE.

0543 SARWONO, B. [Freshwater milkfish no more ground smelly]. Bandeng air tawar tak lagi bau tanah/Isarwono, B. Trubus (Indonesia) ISSN 0128-0057 (2001) v. 32(374) p. 86 2 ill.

CHANOS; SOIL CHEMICOPHYSICAL PROPERTIES; SMELL; WATER POLLUTION.

N10 AGRICULTURAL STRUCTURES / BANGUNAN-BANGUNAN PERTANIAN

0544 HAMIDY, Y. Construction and design of rawai (*mini long line*) operated by Meskom's village fisherman of Bengkalis region, Riau Province (Indonesia). Konstruksi dan rancangan rawai (*mini long line*) yang dioperasikan nelayan Desa Meskom Kabupaten Bengkalis Provinsi Riau/Hamidy, Y.; Syofyan, I.; Bustari (Universitas Riau, Pekanbaru (Indonesia). Fakultas Perikanan). Jurnal Penelitian Andalas (Indonesia) (2001) v. 13(35) p. 72-81 6 ref. Summary (En) Appendices

FISHING GEAR; FISHERMEN; CONSTRUCTION; DESIGN; FISHING LINES; SUMATRA.

0545 RUSNAM. Design and technical evaluation of banana chipper for making chips. Rancang bangun dan uji teknis alat

perajang pisang (*Musa paradisiaca* L.) untuk keripik/Rusnam; Husni, H. (Universitas Andalas, Padang (Indonesia). Fakultas Pertanian); Supratman N, O. . Jurnal Penelitian Andalas (Indonesia) (2000) v. 12(32) p. 107-113 3 tables; 5 ref. Summary (En)

BANANAS; FOOD TECHNOLOGY; FOOD INDUSTRY EQUIPMENT; DESIGN; TECHNICAL PROPERTIES; QUALITY; YIELDS; EQUIPMENT TESTING.

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

0546 AMIN, S. [Study on efficiency of solar energy tunnel dryers for cocoa drying]. Penelitian kinerja alat pengeringan lorong energi matahari untuk pengeringan kakao/Amin, S. (Badan Penerapan dan Pengkajian Teknologi, Jakarta (Indonesia). Direktorat Teknologi Agroindustri). [Proceedings of the Seminar of the Technology 2001]. Prosiding Seminar Teknologi Untuk Negeri 2001/Iskandar, M.A.; Djuma'ali Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2001 p. 62-66 3 ill., 1 table; 3 ref. Summary (En)

COCOA BEANS; POSTHARVEST EQUIPMENT; DRYERS; SOLAR ENERGY; DESIGN.

0547 AZWARDI. [Design of sugar cane harvesters]. Rancang bangun alat potong tebu/Azwardi (Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Direktorat Teknologi Alat dan Mesin Industri). [Proceedings of the Seminar of the Technology 2001]. Prosiding Seminar Teknologi Untuk Negeri 2001/Iskandar, M.A.; Djuma'ali Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2001 p. 48-52 13 ill., 2 tables; 5 ref. Summary (En)

SUGAR CANE; HARVESTERS; DESIGN; JAVA.

0548 DARMONO. [Mechanical equipment for cotton cultivation]. Peralatan mekanis untuk budi daya kapas/Darmono; Soebandi (Balai Penelitian Tanaman Tembakau dan

Serat, Malang (Indonesia)). [Cotton plant. Book 2]. Kapas. Buku 2/Balai Penelitian Tanaman Tembakau dan Serat. Malang (Indonesia): BALITTAS, 2002. Monograf Balittas (Indonesia) ISSN 0853-9308 (2002) (no. 7) p. 222-232 2 ill., 7 tables; 12 ref.

GOSSYPIMUM HIRSUTUM; CULTIVATION; FARM EQUIPMENT; TILLAGE; WEEDING; APPLICATION METHODS; COST BENEFIT ANALYSIS.

0549 HABIBIE, S. [Design and prototype of breaking machine for nutmeg seed]. Pembuatan disain dan prototipe mesin pemecah biji pala/Habibie, S. (Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Direktorat Teknologi Proses dan Rekayasa). [Proceedings of the Seminar of the Technology 2001]. Prosiding Seminar Teknologi Untuk Negeri 2001/Iskandar, M.A.; Djuma'ali Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2001 p. 1-7 1 ill., 2 tables; 6 ref. Summary (En)

NUTMEGS; POSTHARVEST EQUIPMENT; TECHNICAL PROPERTIES; DESIGN; PROTOTYPES.

0550 HIDAYAT, A.S. [Engineering of bentonite processing to produce bleaching earth for Crude Palm Oils (CPO)]. Rekayasa proses pengolahan bentonit untuk memproduksi bahan penjernih (*bleaching earth*) CPO/Hidayat, A.S.; Senda, S.P. (Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Direktorat Teknologi Proses dan Rekayasa). [Proceedings of the Seminar of the Technology 2001]. Prosiding Seminar Teknologi Untuk Negeri 2001/Iskandar, M.A.; Djuma'ali Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2001 p. 39-46 4 ill., 4 tables; 7 ref. Summary (En)

BENTONITE; CHEMICAL COMPOSITION; BLEACHING; PALM OILS; PURIFICATION.

0551 KRISNOWO, A. [Design of SCARA robots construction]. Rancang bangun konstruksi robot SCARA/Krisnowo, A.; Gandana, D.M.(Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia).Direktorat Teknologi Alat dan Mesin Industri). [Proceedings of the Seminar

of the Technology 2001]. Prosiding Seminar Teknologi Untuk Negeri 2001/Iskandar, M.A.; Djuma'ali Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2001 p. 53-55 4 ill., 2 tables; 4 ref. Summary (En)

SUGAR CANE; HARVESTERS; ROBOTS; DESIGN.

0552 LAKSAMANAHARDJA, M.P. [Distilling model of essential oil in farmer groups scale]. Model penyulingan minyak atsiri skala kelompok tani/Laksamanahardja, M.P.; Rusli, D.; Sumangat, S.; Hidayat, T. (Balai Besar Pengembangan Alat dan Mesin Pertanian, Serpong (Indonesia)). *Warta Penelitian dan Pengembangan Pertanian (Indonesia)* ISSN 0216-4427 (2002) v. 24(2) p. 9-11 2 ill., 2 tables

ESSENTIAL OILS; DISTILLING; MODELS; FARMERS ASSOCIATIONS.

0553 NURHASANAH, A. [Peanut threshers machine]. Mesin perontok polong kacang tanah/Nurhasanah, A.; Hidayat, M.; Widodo, P.; Sukasih, E. (Balai Besar Pengembangan Alat dan Mesin Pertanian, Serpong (Indonesia)). *Warta Penelitian dan Pengembangan Pertanian (Indonesia)* ISSN 0216-4427 (2002) v. 24(2) p. 12-14 1 ill., 1 table

GROUNDNUTS; THRESHERS; DESIGN.

0554 PRABOWO, A. [Engineering of agricultural equipment technology to increase production and competitiveness of rice]. Rekayasa teknologi Alsintan untuk peningkatan produksi dan daya saing SUP padi /Prabowo, A.; Handaka; Harjono; Harsono; Budiarti, U. (Balai Besar Pengembangan Alat dan Mesin Pertanian, Serpong (Indonesia)). [Proceedings of the Seminar on National Rice Policy]. Kumpulan Makalah Seminar Kebijakan Perpaduan Nasional/Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): Badan Litbang Pertanian, 2002 (pt. 13) 10 p. 5 tables; 19 ref.

RICE; FARM EQUIPMENT; POSTHARVEST EQUIPMENT; TECHNOLOGY; PRODUCTION INCREASE; AGROINDUSTRIAL SECTOR.

0555 SUMARSONO, M. [Application and testing of tapioca dryer home industries in Temanggung, Central Java (Indonesia)]. Penerapan dan pengujian alat pengering tepung tapioka di Industri rumah tangga di Kabupaten Temanggung/Sumarsono, M.; Sutrisno, B.; Oktaufik, M.; Kamil, B.; Marosin, R.; Adi, T.D. (PUSPIPTEK, Serpong, Tangerang (Indonesia)). [Proceedings of the Seminar of the Technology 2001]. Prosiding Seminar Teknologi Untuk Negeri 2001/Iskandar, M.A.; Djuma'ali Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2001 p. 13-18 4 ill., 3 tables; 4 ref. Summary (En)

TAPIOCA; COTTAGE INDUSTRY; DRYERS; SOLAR ENERGY; QUALITY; MOISTURE CONTENT; TEMPERATURE; JAVA.

0556 UNADI, A. [Machine for dried vegetable processing]. Mesin pembuat sayuran kering/Unadi, A.; Triwahyudi, S.; Nasution, D.A.; Rahmarestia, W., E.; Gunarto, A. (Balai Besar Pengembangan Alat dan Mesin Pertanian, Tangerang (Indonesia)). *Warta Penelitian dan Pengembangan Pertanian (Indonesia)* ISSN 0216-4427 (2001) v. 23(2) p. 7-8

VEGETABLE CROPS; FARM EQUIPMENT; DRYERS; COSTS; DRIED PRODUCTS.

P01 NATURE CONSERVATION AND LAND RESOURCES / KONSERVASI SUMBERDAYA ALAM DAN SUMBERDAYA LAHAN

0557 PRAYITNO, S. . [Waters condition in Mamberamo Hilir district for agricultural development in Mamberamo river, Irian Jaya (Indonesia)]. Kondisi perairan di Kecamatan Mamberamo Hilir bagi pengembangan pertanian daerah aliran sungai Mamberamo, Irian Jaya/ Prayitno, S. Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 1996 10 p.

IRIAN JAYA; WATERS; AGRICULTURAL DEVELOPMENT; WATER QUALITY; PLANKTON; WATERSHEDS.

P06 RENEWABLE ENERGY RESOURCES / SUMBER DAYA ENERGI YANG DAPAT DIPERBAHARUI

0558 RACHMAN, M.A. The relationship between pH culture and hydrogenase activity in the production of H₂ by *Enterobacter aerogenes* mutant. Hubungan antara pH kultur dan aktivitas hidrogenase pada produksi H₂ mutan *Enterobacter aerogenes*/Rachman, M.A. Direktorat Teknologi Bioindustri, Jakarta (Indonesia). Hayati (Indonesia) ISSN 0854-8587 (2001) v. 8(1) p. 15-17 2 ill., 20 ref. Summary (En)

ENTEROBACTER AEROGENES; HYDROGENATION; PH; HYDROGEN; ENZYME ACTIVITY.

P10 WATER RESOURCES AND MANAGEMENT / SUMBER DAYA AIR DAN PENGELOLAANNYA

0559 RAHARDJO, P.N. [Research on water quality in Seribu Island (Indonesia)]. Penelitian kualitas air di Kecamatan Kepulauan Seribu/ Rahardjo, P.N. (Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Direktorat Teknologi Lingkungan). [Proceedings of the Seminar of the Technology 2001]. Prosiding Seminar Teknologi Untuk Negeri 2001/Iskandar, M.A.; Djuma'ali Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2001 p. 10-19 6 tables; 3 ref. Summary (En)

WATER QUALITY; CONTAMINATION; REVERSE OSMOSIS; HOUSEHOLD WASTES; RAIN WATER; WATER RESOURCES; CHEMICOPHYSICAL PROPERTIES; ISLANDS; JAVA.

P30 SOIL SCIENCE AND MANAGEMENT / ILMU TANAH DAN PENGELOLAANNYA

0560 KADARWATI, F.T. [Soil for cotton plant and its management]. Tanah untuk tanaman kapas serta pengelolaannya/ Kadarwati, F.T. (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). [Cotton plant. Book 2]. Kapas. Buku 2/Balai Penelitian Tanaman Tembakau dan Serat.

Malang (Indonesia): BALITTAS, 2002. Monograf Balittas (Indonesia) ISSN 0853-9308 (no.7) p. 88-100 1 ill., 7 tables; 32 ref.

GOSSYPIUM HIRSUTUM; SOIL CHEMICOPHYSICAL PROPERTIES; LAND SUITABILITY; TILLAGE; SOIL FERTILITY; NUTRIENT UPTAKE; NITROGEN FERTILIZERS; FERTILIZER APPLICATION; ORGANIC FERTILIZERS; YIELDS.

P31 SOIL SURVEYS AND MAPPING / SURVEI DAN PEMETAAN TANAH

0561 HARTATI, R.M. Agroecosystem mapping of Arso Sub District, District of Jayapura. Pemetaan agroekosistem Kecamatan Arso Kabupaten Jayapura/Hartati, R.M. (Institut Pertanian Stiper, Yogyakarta (Indonesia). Fakultas Pertanian); Yoku, A.. Buletin Ilmiah INSTIPER (Indonesia) ISSN 0852-8772 (2000) v. 7(1) p. 50-66 1 ill., 1 table; 12 ref. Summary (En)

IRIAN JAYA; CARTOGRAPHY; AGROECOSYSTEMS; CROPPING SYSTEMS; YIELDS; SOIL WATER; BALANCES.

P33 SOIL CHEMISTRY AND PHYSICS / KIMIA DAN FISIKA TANAH

0562 ARMANTO, M.E. Economic analyses of nutrients losses to atmosphere due to forest and land fire in South Sumatra (Indonesia) . Analisis ekonomi kehilangan hara ke atmosfer akibat kebakaran hutan dan lahan di Sumatera Selatan/Armanto, M.E.(Universitas Sriwijaya, Palembang (Indonesia)). Soilrens (Indonesia) ISSN 1411-4224 (2001) v. 2(3) p. 148-153 4 tables; 7 ref. Summary (En)

SUMATRA; FOREST LAND; FOREST FIRES; SOIL DEFICIENCIES; ATMOSPHERE; ECONOMIC ANALYSIS.

0563 FIANTIS, D. Analytical electron microscopy study of the volcanic glass and clay mineralogy of West Sumatra (Indonesia) Xandisols. Kajian analisis mikroskop elektron glass vulkanik dan mineral liat Xandisols Sumatera Barat/Fiantis, D. (Universitas Andalas, Padang (Indonesia). Fakultas Pertanian); Shamshuddin, J.; Ranst, E.V.;

Zauyah, S.; Fauziah, I. Jurnal Penelitian Andalas (Indonesia) (2001) v. 13(35) p. 107-127 8 ill., 3 tables; 27 ref. Summary (En) Appendices

ANDOSOL; VOLCANIC MATERIALS; CLAY MINERALS; SOIL CHEMICOPHYSICAL PROPERTIES; MICROSCOPY; SUMATRA.

0564 KADERI, H. [Efficiency of incubation method and addition of NaOH determine lime requirement in tidal land]. Efisiensi metode inkubasi dan penambahan NaOH dalam menentukan kebutuhan kapur untuk pertanian di lahan pasang surut/Kaderi, H.; Indrian, T.; Haryatun (Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 238-243 4 tables; 5 ref. Summary (In)

INTERTIDAL ENVIRONMENT; ACID SULPHATE SOILS; SODIUM HYDROXIDE; SOIL PH; LIMING; NEUTRALIZATION.

0565 KADERI, H. [Sampling technique of groundwater on different depth used for soil analysis in acid sulphat soils]. Teknik pengambilan ekstrak contoh air tanah pada beberapa kedalaman untuk analisis dilahan sulfat masam/Kaderi, H. (Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 233-237 1 ill., 2 tables; 7 ref. Summary (In)

ACID SULPHATE SOILS; SOIL WATER; DEPTH; GROUNDWATER TABLE; WATER QUALITY; PH; SALINE WATER.

P34 SOIL BIOLOGY /BIOLOGI TANAH

0566 BALAI PENGKAJIAN TEKNOLOGI PERTANIAN, SUKARAMI. [Rice straw composting using *Trichoderma harzianum*].

Pengomposan jerami padi dengan *Trichoderma harzianum*/Balai Pengkajian Teknologi Pertanian, Sukarami (Indonesia). Sukarami (Indonesia): BPTP Sukarami, 2000 18 p 5 ill., 1 table

RICE STRAW; COMPOSTING; BIODEGRADATION; TRICHODERMA HARZIANUM; ORGANIC FERTILIZERS; SOIL FERTILITY.

0567 KANTI, A. [Soil candida yeast diversity of Wamena biological garden, Jayawijaya district, Province of Papua (Indonesia)]. Diversitas khamir tanah kebun biologi Wamena Kabupaten Jayawijaya, Propinsi Papua/Kanti, A. (Pusat Penelitian Biologi, Bogor (Indonesia). Bidang Mikrobiologi). Laporan Teknik Penelitian Pusat Penelitian Biologi Bogor (Indonesia) (2001) (2000-2001) p. 12-17 2 tables; 14 ref.

CANDIDA; BIODIVERSITY; ISOLATION TECHNIQUES; PURIFICATION; IDENTIFICATION; MICROCLIMATE; SOIL CHEMICOPHYSICAL PROPERTIES; IRIAN JAYA.

0568 LATUPAPUA, H.J.D. [*Pseudomonas* isolation and identification from Wamena biogarden soil as biological control agent of *Fusarium* spp.]. Isolasi identifikasi *Pseudomonas* dari tanah kebun biologi Wamena sebagai agen biokontrol/Latupapua, H.J.D.; Nurhidayat, N. (Pusat Penelitian Biologi, Bogor (Indonesia). Bidang Mikrobiologi). Laporan Teknik Penelitian Pusat Penelitian Biologi Bogor (Indonesia) (2001) (2000-2001) p. 48-53 2 tables; 14 ref.

PSEUDOMONAS CEPACIA; PSEUDOMONAS FLUORESCENS; DOMINANT SPECIES; FUSARIUM; ISOLATION TECHNIQUES; IDENTIFICATION; BIODIVERSITY; BIOLOGICAL CONTROL AGENTS.

0569 PURWANINGSIH, S. [Isolation population and characteristics of *rhizobium* bacteria availability from soil of Wamena Biogarden]. Isolasi, populasi dan karakterisasi keberadaan bakteri *Rhizobium* dari tanah kebun biologi Wamena/Purwaningsih, S.; Latupapua, H.J.D. (Pusat Penelitian Biologi, Bogor (Indonesia). Bidang Mikrobiologi). Laporan Teknik Penelitian Pusat Penelitian

Biologi Bogor (Indonesia) (2001) (2000-2001) p. 35-40 2 tables; 8 ref.

VACCINIUM; DOMINANT SPECIES; RHIZOBIUM; ISOLATION TECHNIQUES; POPULATION GROWTH; PURIFICATION; SOIL FERTILITY; NITROGEN FIXING BACTERIA.

0570 PURWANINGSIH, S. [Wamena Rhizobium screening on weki (*Paraserianthes falcataria*) in green house]. Skrining Rhizobium dari Wamena pada weki (*Paraserianthes falcataria*) di rumah kaca/ Purwaningsih, S.; Latupapua, H.J.D. (Pusat Penelitian Biologi, Bogor (Indonesia). Bidang Mikrobiologi). Laporan Teknik Penelitian Pusat Penelitian Biologi Bogor (Indonesia) (2001) (2000-2001) p. 41-47 3 tables; 10 ref.

PARASERIANTHES FALCATARIA; RHIZOBIUM; INOCULATION; GROWTH RATE; NITROGEN FIXATION; ROOT NODULATION; ENVIRONMENTAL FACTORS; ADAPTATION; GREENHOUSES.

0571 SULIASIH. [Capacity of phosphate solubilizing and nitrogen inhibitor microbes on corn (*Zea mays*)]. Daya pacu mikroba pelarut Fosfat dan penambat Nitrogen pada tanaman jagung (*Zea mays*)/Suliasih; Widawati, S.; Latupapua, H.J.D. (Pusat Penelitian Biologi, Bogor (Indonesia). Bidang Mikrobiologi). Laporan Teknik Penelitian Pusat Penelitian Biologi Bogor (Indonesia) (2001) (2000-2001) p. 28-34 3 tables; 10 ref.

ZEA MAYS; INOCULATION; AZOTOBACTER; AZOSPIRILLUM; ASPERGILLUS; GIGASPORA MARGARITA; NITROGEN FIXING BACTERIA; VESICULAR ARBUSCULAR MYCORRHIZAE; GROWTH RATE; HARVEST INDEX; YIELDS.

0572 WIRIANATA, H. Inoculation of *arbuscular mycorrhizal* fungus and Urea application to increase the growth of *Coffea arabica* seedling. Inokulasi jamur mikoriza arbuskula dan pemberian Urea untuk meningkatkan pertumbuhan bibit kopi arabika/Wirianata, H.. Buletin Ilmiah Instipen (Indonesia) ISSN 0852-8772 2001 v. 8(1) p. 61-68 2 tables; 16 ref. Summary (En)

COFFEA ARABICA; GIGASPORA MARGARITA; NITROGEN FERTILIZERS; APPLICATION RATES; INOCULATION; GROWTH; SEEDLINGS; SOIL CHEMICOPHYSICAL PROPERTIES.

P35 SOIL FERTILITY / KESUBURAN TANAH

0573 GUSNIDAR. Humic and fulvic acid analysis of the kinds of peat soil. Analisis asam humat dan fulfat dari tiga macam bahan gambut/Gusnidar (Universitas Andalas, Padang (Indonesia). Fakultas Pertanian) ; Herviyanti; Saidi, A.. Jurnal Penelitian Andalas (Indonesia) (2000) v. 12(32) p. 79-97 1 table; 13 ref. Summary (En)

PEAT SOILS; HUMUS; FULVIC ACIDS; CHEMICOPHYSICAL PROPERTIES; SOIL ANALYSIS; SOIL DEGRADATION.

Q02 FOOD PROCESSING AND PRESERVATION/ PENGOLAHAN DAN PENGAWETAN MAKANAN

0574 KASIM, A. The main substances of gambir extracted using hydraulic press. Senyawa utama gambir yang terekstraksi pada cara pengolahan menggunakan kempa hidrolik/Kasim, A.; Ihsan, I. (Universitas Andalas, Padang (Indonesia). Fakultas Pertanian). Jurnal Stigma (Indonesia) ISSN 0853-3776 (1999) v. 8(3) p. 241-245 4 tables; 9 ref. Summary (En)

UNCARIA GAMBIR; PROCESSING; AGRICULTURAL HYDRAULICS; CATECHIN; TANNINS; CHEMICAL COMPOSITION.

0575 KHASRAD. The influence of cooking period to nutritive value and taste of crackled water buffalo rinds. Pengaruh lama perebusan terhadap nilai gizi dan cita rasa kerupuk kulit kerbau/Khasrad (Universitas Andalas, Padang (Indonesia). Fakultas Peternakan). Jurnal Penelitian Andalas (Indonesia) (2000) v. 12(32) p. 51-57 2 tables; 11 ref. Summary (En)

WATER BUFFALOES; SKIN; NUTRITIVE VALUE; COOKING; PROCESSED

ANIMAL PRODUCTS; PROCESSED FOODS; ORGANOLEPTIC PROPERTIES.

0576 MARTINELLY, E. Preference test of duck meat jerked to the people of Agam regency. Uji preferensi dendeng itik pada masyarakat Kabupaten Agam/Martinelly, E. (Universitas Andalas, Padang (Indonesia). Fakultas Peternakan); Zein, R.; Roessali, W.. Jurnal Penelitian Andalas (Indonesia) (2000) v. 12(32) p. 17-21 2 table; 3 ref. Summary (En)

DUCK MEAT; ORGANOLEPTIC PROPERTIES; ORGANOLEPTIC ANALYSIS; RESEARCH; PRODUCTION; FOOD TECHNOLOGY; MEAT PRODUCTS; SUMATRA.

0577 PARWIYANTI. [Optimisation conditions for sporulation of *Rhizopus oligosporus*]. Optimasi kondisi sporulasi *Rhizopus oligosporus* /Parwiyanti (Universitas Sriwijaya, Palembang (Indonesia). Fakultas Pertanian) . [Proceedings of the Seminar on BKS-PTN Barat Research Results]. Prosiding Seminar Hasil Penelitian BKS-PTN Barat, Oktober 1999/Universitas Sriwijaya Palembang (Indonesia). Fakultas Pertanian Palembang (Indonesia): Fakultas Pertanian UNSRI, 1999 (pt. 31) 7p. 3 ill., 2 tables., 4 ref. Summary (In)

SOYFOODS; SOYBEAN PRODUCTS; PROCESSED PLANT PRODUCTS; RHIZOPUS OLIGOSPORUS.

0578 PATRIA, A. Starch expansion mechanism through extrusion. Mekanisme ekspansi pati melalui ekstrusi/Patria, A. (Universitas Syiah Kuala Darussalam, Banda Aceh (Indonesia). Fakultas Pertanian) Jurnal Agrista (Indonesia) ISSN 1410-3389 (2000) v. 4(3) p. 310-316 6 ill., 9 ref. Summary (En)

STARCH; EXTRUSION COOKING.

0579 SAMAD, M.Y. [Improving of Sea cucumber product quality]. Perbaikan kualitas produk industri kecil teripang/Samad, M.Y. (Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Direktorat Teknologi Agroindustri). [Proceedings of the Seminar of the Technology 2001]. Prosiding Seminar Teknologi Untuk Negeri 2001/Iskandar, M.A.; Djuma'ali Badan Pengkajian dan Penerapan

Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2001 p. 58-61 5 ill., 4 tables; 5 ref. Summary (En)

SEA CUCUMBERS; ECHINODERMATA; FISH PROCESSING; QUALITY; COTTAGE INDUSTRY; CHEMICAL COMPOSITION; PROCESSED ANIMAL PRODUCTS.

0580 SUDIBYO, A. Membrane technology and its application in corn processing industry. Teknologi membran dan penerapannya dalam industri pengolahan jagung/Sudibyo, A.; Hutajulu, T.F. (Balai Besar Penelitian dan Pengembangan Industri, Bogor (Indonesia)); Astuti, J.. Warta AKAB (Indonesia) ISSN 0215-9929 (2000) (no. 12) p. 66-88 6 ill., 3 tables; 36 ref. Summary (En)

MAIZE; FOOD TECHNOLOGY; MEMBRANES; TECHNOLOGY; PROCESSING.

0581 WIDOWATI, T.W. Study of using organic acids in making nata de coco. Studi penggunaan asam-asam organik pada pembuatan nata de coco/Widowati, T.W.; Widodo, L.; Agustini, D.I. . . [Proceedings of the Seminar on BKS-PTN Barat Research Results]. Prosiding Seminar Hasil Penelitian BKS-PTN Barat, Oktober 1999/Universitas Sriwijaya Palembang (Indonesia). Fakultas Pertanian Palembang (Indonesia): Fakultas Pertanian UNSRI, 1999 (pt. 28) 7p. 3 ill., 12 ref. Summary (In)

PROCESSED PLANT PRODUCTS; COCONUT WATER; FERMENTATION; PROCESSING; ORGANIC ACIDS; USES.

Q03 FOOD CONTAMINATION AND TOXICOLOGY / KONTAMINASI DAN TOKSIKOLOGI PANGAN

0582 HARSOJO. [Utilization of irradiation to eliminate *Salmonella* on foods and feeds]. Pemanfaatan iradiasi untuk mengeliminasi *Salmonella* pada makanan dan pakan/Harsojo (Pusat Aplikasi Isotop dan Radiasi, Jakarta (Indonesia)); Andini, L.S.. Buletin Batan (Indonesia) ISSN 0216-3293 (1994) v. 15(4) p. 30-36 2 tables; 8 ref.

POULTRY; SALMONELLA; CONTAMINATION; FOODS; FEEDS; IRRADIATION; IMMUNODIAGNOSIS.

**Q04 FOOD COMPOSITION /
KOMPOSISI MAKANAN**

0583 ACHADIYAH, S. [Effect of soaking and steaming on the product of instant mungbean flours]. Lama perendaman dan suhu pengukusan, pengaruhnya terhadap tepung kacang hijau instan yang dihasilkan/Achadiyah, S.; Atriyanti (Institut Pertanian Stiper, Yogyakarta (Indonesia)). Buletin Ilmiah Instiper (Indonesia) ISSN 0852-8772 (2000) v. 7(2) p. 32-41 1 ill., 1 table; 8 ref. Summaries (En, In)

MUNG BEANS; FLOURS; INSTANT FOODS; SOAKING; STEAMING; DURATION; PROXIMATE COMPOSITION; NUTRITIVE VALUE; ORGANOLEPTIC PROPERTIES.

0584 PARWIYANTI. [Changer on organoleptic and physico chemical characteristics of soybean tempe during storage]. Perubahan sifat sensoris, fisik dan kimia tempe kedelai selama penyimpanan/Parwiyanti (Universitas Sriwijaya, Palembang (Indonesia)); Agustini, S. . [Proceedings of the Seminar on BKS-PTN Barat Research Results]. Prosiding Seminar Hasil Penelitian BKS-PTN Barat, Oktober 1999/Universitas Sriwijaya Palembang (Indonesia). Fakultas Pertanian. Palembang (Indonesia): Fakultas Pertanian UNSRI, 1999 (pt. 29) 10p. 2 ill., 1 table. Summary (In)

SOYFOODS; PROCESSED PLANT PRODUCTS; CHEMICOPHYSICAL PROPERTIES; VITAMINS; PROTEINS; STORAGE.

0585 SETYOWATI, A. Shelf-life of geplak in PVC rigid trays. Penentuan waktu kedaluwarsa geplak dalam kemasan plastik polivinil klorida/Setyowati, A. (Universitas Wangsa Manggala, Yogyakarta (Indonesia). Fakultas Teknologi Pertanian). Buletin Ilmiah Instiper (Indonesia) ISSN 0852-8772 2001 v. 8(1) p. 47-60 1 ill., 4 tables; 15 ref. Summary (En)

COCONUTS; PROCESSED PLANT PRODUCTS; FOODS; QUALITY; STORAGE.

**Q52 FEED PROCESSING AND
PRESERVATION / PENG-
OLAHAN DAN PENGAWETAN
PAKAN**

0586 GUNAWAN, A. [Increasing milk production through cassapro feeding]. Produksi susu melimpah dengan cassapro/Gunawan, A. (Balai Pengkajian Teknologi Pertanian Jawa Barat, Lembang (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2001) v. 23(2) p. 10-12 2 tables

DAIRY CATTLE; MILK PRODUCTION; FEEDS; AGRICULTURAL WASTES; ASPERGILLUS NIGER; ECONOMIC ANALYSIS.

0587 GUSMANIZAR, N. Effect of fermentation period and inoculum dose of *Aspergillus niger* on dry matter, organic matter, crude protein and crude fiber of fermented cocoa husk (*Theobroma cacao L.*). Pengaruh lama fermentasi dan persentase inokulum *Aspergillus niger* terhadap kandungan bahan kering, bahan organik, protein kasar dan serat kasar kulit biji coklat (*Theobroma cacao L.*)/Gusmanizar, N.; Rahman, J.; Khalid, A. (Universitas Andalas, Padang (Indonesia). Fakultas Peternakan). Jurnal Penelitian Andalas (Indonesia) (2000) v. 12(32) p. 29-39 4 tables; 15 ref. Summary (En)

COCOA HUSKS; FERMENTATION; ASPERGILLUS NIGER; DRY MATTER CONTENT; ORGANIC MATTER; CRUDE PROTEIN; CRUDE FIBRE; DOSAGE; PROTEIN CONTENT; ANIMAL FEEDING; WASTES.

0588 JAMARUN, N. The effect of temperature and soaking time on composition of dry matter, crude protein, crude fiber and HCN of rubber seed (*Hevea brasiliensis*). Pengaruh suhu dan lama perendaman terhadap kandungan bahan kering, protein kasar, serat kasar dan HCN biji karet (*Hevea brasiliensis*)/Jamarun, N.; Herawati, R. (Universitas Andalas, Padang (Indonesia). Fakultas Peternakan). Jurnal Penelitian Andalas (Indonesia) (2001) v. 13(35) p. 36-41 1 table; 11 ref. Summary (En)

LIVESTOCK; RATIONS; RUBBER; SEED; DRY MATTER; CRUDE PROTEIN; CRUDE FIBRE; SOAKING; TIME;

TEMPERATURE; PROXIMATE
COMPOSITION.

**Q60 PROCESSING OF NON-FOOD OR
NON-FEED AGRICULTURAL
PRODUCTS / PENGOLAHAN
HASIL PERTANIAN NON-
PANGAN DAN NON-PAKAN**

0589 HASTUTI, S. [Effect of pH and temperature on physical properties of edible film from winged bean]. Pengaruh pH dan suhu larutan film terhadap sifat fisik edible film dari biji kecipir/Hastuti, S. (Institut Pertanian Stiper, Yogyakarta (Indonesia). Fakultas Teknologi Pertanian). Buletin Ilmiah INSTIPER (Indonesia) ISSN 0852-8772 (2000) v. 7(1) p. 67-74 2 ill., 1 table; 12 ref. Summary (En)

PSOPHOCARPUS TETRAGONOLOBUS;
EDIBLE FILM; PROCESSING;
TEMPERATURE; PH; THICKNESS;
CHEMICOPHYSICAL PROPERTIES.

0590 PURNAMA, R.D. [Technique of rabbit leather tanning using chrom tanner]. Teknik penyamakan kulit bulu kelinci Rex dengan bahan penyamak khrom/Purnama, R.D. (Balai Penelitian Ternak, Bogor (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 74-83 3 ill., 9 ref. Summary (In)

RABBITS; FURS; TANNING; LEATHER;
FORMULATIONS; ORGANOLEPTIC
PROPERTIES.

0591 ROSADI, H.Y. [Analysis of pulp industrial structure in Indonesia]. Analisis struktur industri pulp di Indonesia/Rosadi, H.Y. (Pusat Pengkajian Kebijakan Inovasi Teknologi, Jakarta (Indonesia). Deputi Bidang Pengkajian Kebijakan Teknologi). [Proceedings of the Seminar of the Technology 2001]. Prosiding Seminar Teknologi Untuk Negeri 2001/Iskandar, M.A.; Djuma'ali Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2001 p. 19-26 1 table; 12 ref. Summary (En)

PULP AND PAPER INDUSTRY;
MARKETING TECHNIQUES; RAW
MATERIALS; INDONESIA.

0592 ROSSUARTINI. [Factors affected Rex rabbit leather quality]. Faktor-faktor yang dapat mempengaruhi kualitas kulit mentah kelinci Rex/Rossuartini; Purnama, R.D.(Balai Penelitian Ternak, Bogor (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 89-94 2 ill., 6 ref. Summary (In)

RABBITS; HIDES AND SKINS; QUALITY;
REARING TECHNIQUES; FEEDS;
SKINNING; PICKLING.

**Q70 PROCESSING OF AGRICULTURAL
WASTES / PENGOLAHAN
LIMBAH PERTANIAN**

0593 CHARLENA. The effect of sodium clorida and magnesium sulfida salt on phenol extraction with liquid membrane emulsion technique. Pengaruh garam sodium klorida dan magnesium sulfida pada ekstraksi fenol dengan teknik emulsi membran cair/Charlena (Universitas Sriwijaya, Palembang (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam) . [Proceedings of the Seminar on BKS-PTN Barat Research Results]. Prosiding Seminar Hasil Penelitian BKS-PTN Barat, Oktober 1999/Universitas Sriwijaya Palembang (Indonesia). Fakultas Pertanian). Palembang (Indonesia): Fakultas Pertanian UNSRI, 1999 (pt. 32) 8p. 5 ill., 7 ref. Summaries (En,In)

MAGNESIUM; PHENOLIC COMPOUNDS;
LIQUIDS; EMULSIONS; SODIUM
CHLORIDE; PARAFIN; SALTS.

0594 RIDIO, R. [Modification of gas cooling and cleaning systems on gasification process of rice husk for electricity]. Modifikasi sistem pendingin gas dan pembersih gas pada proses gasifikasi limbah sekam padi untuk listrik/Ridio, R. (Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Direktorat Teknologi Pengembangan Sumberdaya Energi). [Proceedings of the

Seminar of the Technology 2001]. Prosiding Seminar Teknologi Untuk Negeri 2001/Iskandar, M.A.; Djuma'ali Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2001 p. 29-37 14 ill., 16 ref. Summary (En)

RICE HUSK; CARBON MONOXIDE; HYDROGEN; GASIFIERS; GASIFICATION; COOLING; CLEANING; ELECTRICITY.

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

0595 ANGGRAENI. Chemical analysis of dried sauropus leaves extract. Analisis kimia dari ekstrak serbuk daun katuk (*Sauropus androgynus* Merr)/Anggraeni, Yuliani, S.; Gani, A. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). Warta AKAB (Indonesia) ISSN 0215-9929 (2000) (no. 12) p. 18-24 1 table; 9 ref. Summary (En)

SAUROPUS; LEAVES; PLANT EXTRACTS; CHEMICAL COMPOSITION; NUTRITIVE VALUE.

0596 MURNINGSIH, T. The chemical composition and anti bacteria activity analysis of essential oil of "Temu glenyeh" (*Curcuma soloensis* Val.). Komposisi kimia dan uji daya anti-bakteri minyak atsiri rimpang temu glenyeh (*Curcuma soloensis* Val.)/Murningsih, T. (Pusat Penelitian dan Pengembangan Biologi, LIPI, Bogor (Indonesia)); Rezeki, S.; Chairul; H-Priyono, S.; Taufiq, A.. Warta AKAB (Indonesia) ISSN 0215-9929 (2000) (no. 12) p. 37-45 1 ill., 2 tables; 8 ref. Summary (En)

CURCUMA; DRUG PLANTS; ESSENTIAL OILS; CHEMICAL COMPOSITION; DISTILLING; ANTIMICROBIAL PROPERTIES.

T01 POLLUTION / POLUSI

0597 NASUTION, I. Content of insecticide residue on paddy soil of West Java, the aspect should take attention on sustainable land management. Kandungan residu insektisida pada lahan sawah di Jawa Barat, suatu aspek yang harus diperhatikan dalam pengelolaan

lahan yang berkelanjutan/Nasution, I.; Hamzah, A. (Pusat Penelitian dan Pengembangan Tanah dan Agroklimat, Bogor (Indonesia))Nugraha, A.. Soilrens (Indonesia) ISSN 1411-4224 (2001) v. 2(3) p. 126-132 2 tables; 9 ref. Summary(En)

RRIGATED RICE; FLOODED LAND; INSECTICIDES; RESIDUES; LAND MANAGEMENT; CROP RESIDUES; JAVA.

0598 SOFYAN, R. [Radiation effect on ecosystem and population]. Efek radiasi pada ekosistem dan populasi/Sofyan, R. (Pusat Pengkajian Teknologi Nuklir, Jakarta (Indonesia)). Buletin Batan (Indonesia) ISSN 0216-3293 (1995) v. 16(3) p. 1-7 2 tables; 3 ref.

ECOSYSTEMS; MANKIND; ANIMALS; PLANT POPULATION; RADIATION; DOSAGE.

0599 WINARNO, H. [Degradation of organic pollutant with UV ray]. Penguraian pencemar organik menggunakan sinar UV/Winaro, H.; Katrin W., E. (Pusat Aplikasi Isotop dan Radiasi, Jakarta (Indonesia)). Buletin Batan (Indonesia) ISSN 0216-3293 (1997) v. 18(2) p. 34-43 2 tables; 19 ref. Summary (In)

ORGANIC WASTES; POLLUTANTS; ULTRAVIOLET RADIATION; DEGRADATION.

U30 RESEARCH METHODS / METODA PENELITIAN

0600 NUGRAHA, E. [Guidance for sample analysis of feeds in the proximate laboratory]. Petunjuk pelaksanaan analisis contoh pakan ternak di laboratorium proksimat/Nugraha, E. (Balai Penelitian Ternak, Bogor (Indonesia)). [Proceedings on Functional Technical Meeting of Non Researcher]. Prosiding Temu Teknis Fungsional Non Peneliti/Tresnawati, M.B.; Inounu, I.; Adjid, R.M.A.; Rachmawati, S.; Priyanto, D.; Budiman, H. (eds.) . Bogor (Indonesia): PUSLITBANGNAK, 2001 p. 107-110 1 ill., 4 ref. Summary (In)

FEEDS; PROXIMATE COMPOSITION; DATA ANALYSIS; LABORATORY DIAGNOSIS; LABORATORY EQUIPMENT; HUMAN RESOURCES.

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