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Kepala Pusat Perpustakaan dan
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Kata Pengantar

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

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C30 DOCUMENTATION AND INFORMATION / DOKUMENTASI DAN INFORMASI

0002 JOSHI, L. Knowledge-based systems (KBS) approach to access farmers' local knowledge about ecology and biodiversity/ Joshi, L. (International Center for Research in Agroforestry South East Asia, Bogor (Indonesia)). Proceedings of Workshop Management of Agrobiodiversity in Indonesia for Sustainable Land Use and Global Environmental Benefits/Gafur, A.; Susilo, F.X.; Utomo, M.; Noordwijk, M.V. (eds.) Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia); Universitas Lampung, Bandar Lampung (Indonesia). Jakarta (Indonesia): AARD, 1999 p. 111-126 3 ill., 4 tables; 35 ref.

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D10 PUBLIC ADMINISTRATION / ADMINISTRASI NEGARA

0003 NURHERU. [Institutional performance of smallholder cotton intensification in South Sulawesi (Indonesia)]. Kinerja kelembagaan intensifikasi kapas rakyat di Sulawesi Selatan/Nurheru; Sahid, M. (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). Warta Penelitian dan Pengembangan Tanaman Industri (Indonesia) ISSN 0853-8204 (2001) v. 7(3) p. 4-8

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

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RICE; PRODUCTION; FOOD SECURITY; FOOD POLICIES; INDONESIA.

0013 SAWIT, M.H. [Rice for poor family: a social protection program]. Beras untuk keluarga miskin (Raskin): Sebuah program perlindungan sosial/Sawit M.H. (Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia)). Pangan: Media Komunikasi dan Informasi (Indonesia) (2002) v. 9(38) p. 10-19 3 tables; 16 ref.

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LAYER CHICKENS; ECONOMIC ANALYSIS; SMALL FARMS; SCALE HUSBANDRY; MEDIUM SIZE FARMS; PROFIT; SUMATRA.

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

0018 ARIFIN, B. Methods to assess economic and environmental benefits of management of agrobiodiversity for sustainable land use/Arifin, B. (Universitas Lampung, Bandar Lampung (Indonesia)). Proceedings of Workshop Management of Agrobiodiversity in Indonesia for Sustainable Land Use and Global Environmental Benefits/Gafur, A.; Susilo, F.X.; Utomo, M.; Noordwijk, M.V. (eds.) Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia); Universitas Lampung, Bandar Lampung (Indonesia). Jakarta (Indonesia): AARD, 1999 p. 127-131 2 ref.

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SUMATRA; LAND USE; EVOLUTION; NATURAL RESOURCES; RESOURCE MANAGEMENT; WATERSHEDS.

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

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AGROINDUSTRIAL SECTOR; CREDIT; AGRICULTURAL ECONOMICS; RURAL AREAS.

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0110 DARMOWIYONO, S. [Indonesia seed supply policy in facing nasional agricultural development and global competition]. Kebijaksanaan perbenihan di Indonesia dalam menghadapi kebangkitan pertanian nasional dan persaingan global/ Darmowiyono, S. (Direktorat Bina Perbenihan Direktorat Jenderal Tanaman Pangan dan Hortikultura. Jakarta (Indonesia)). [National

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F30 PLANT GENETICS AND BREEDING / GENETIKA DAN PEMULIAAN TANAMAN

0133 ACHMADI, I. [Increasing sugar cane productivity through varieties change in Watoetoelis sugar factory (Indonesia)]. Upaya meningkatkan produktivitas tebu melalui pergantian varietas di pabrik gula Watoetoelis /Achmadi, I.; Rahardjo, A.; Revianto, P. (Pabrik Gula Watoetoelis-PTPN X (Persero) (Indonesia)). [Technical Meeting on Productivity and High Efficiency to Increase Competitive Ability of Indonesian Sugar Industry]. Pertemuan Teknis P3GI: Produktivitas dan Efisiensi Tinggi untuk Meningkatkan Daya Saing Industri Gula Indonesia/Pusat Penelitian Perkebunan Gula Indonesia, Pasuruan (Indonesia). Pasuruan (Indonesia): P3GI, 2000 (pt. 6) 6 p. 4 tables. Appendices

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0136 BUDI, U.S. Germplasm abaca status against agribusiness of abaca in Indonesia. Status plasma nutfah abaca menyongsong program agribisnis abaca di Indonesia/Budi, U.S.; Sudjindro; Purwati, R.D. (Balai Penelitian Tembakau dan Tanaman Serat, Malang (Indonesia)). [Breeding contribution on technology innovation with environmental friendly]. Kontribusi pemuliaan dalam inovasi teknologi ramah lingkungan/Kasno, A.; Lamadji, S.; Basuki, N.; Arsyad, D.M.; Mardjono, R.; Mirzaman; Boswarsati; Sudjindro (eds.) Perhimpunan Ilmu Pemuliaan Indonesia, Malang (Indonesia). Komisariat Daerah Jawa Timur. Bandung (Indonesia):

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0142 KOMISI NASIONAL PLASMA NUTFAH. [Establishment of regional commission of germplasm]. Persiapan pembentukan komisi daerah plasma nutfah /Komisi Nasional Plasma Nutfah, Bogor (Indonesia). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2001) v. 23(3) p. 14-15

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0181 DJATNIKA, I. [Primary disease identification and control on citrus, banana and mango]. Pengenalan dan pengendalian penyakit utama pada tanaman jeruk, pisang dan mangga/Djatnika, I. (Balai Penelitian Tanaman Buah, Solok (Indonesia)). [Report of the Training on Fruit Pests and Diseases Control Workers]. Laporan Pelaksanaan Pelatihan Petugas Pengendalian OPT Buah /Direktorat Jenderal Produksi Hortikultura dan Aneka Tanaman, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Perlindungan Tanaman, 2000 p. 91-114 5 ill., 4 tables; 17 ref.

CITRUS; MUSA; MANGIFERA INDICA; PLANT DISEASES; DISEASE CONTROL; IDENTIFICATION; INTEGRATED CONTROL; CONTROL METHODS.

0182 HADIASTONO, T. [Potential broad-leaves weeds on peanut (*Arachis hypogaea* L.) as alternative host of peanut stripe virus (PStV) disease]. Potensi gulma berdaun lebar pada pertanaman kacang tanah (*Arachis hypogaea* L.) sebagai inang alternatif penyakit bilul peanut stripe virus (PStV)/Hadiastono, T. (Universitas Brawijaya Malang (Indonesia). Fakultas Pertanian). Habitat (Indonesia) ISSN 0853-5167 (2001) v. 12(3) p. 139-146 7 tables; 10 ref. Summaries (En, In)

ARACHIS HYPOGAEA; INTERMEDIATE HOSTS; WEEDS; PLANT DISEASES; VIROSES; INOCULATION.

0183 KRISTALISASI, E.N. [Production of monoclonal antibodies of tungro Virus]. Produksi antibodi monoklonal virus tungro/Kristalisasi, E.N. [Compilation of paper presented at the Eight-Thirteenth

monthly Seminar in STIPER Agricultural Institute (January - Nopember 2000)]. Kumpulan Makalah Seminar Bulanan Periode VIII-XIII (Januari s.d. November 2000)/ Institut Pertanian STIPER, Yogyakarta (Indonesia). Yogyakarta (Indonesia): STIPER, 2000 (pt. 9) 8 p. 3 ill., 1 table; 9 ref. Summary (In)

ORYZA SATIVA; RICE TUNGRO VIRUS; IMMUNODIAGNOSIS; MONOCLONAL ANTIBODIES; NEPHOTETRIX VIRESSENS; EXTRACTS; ELISA.

0184 MUHARAM, A. [Identification and control of diseases caused by viruses on banana and citrus]. Pengenalan dan pengendalian penyakit yang disebabkan oleh virus pada tanaman pisang dan jeruk /Muharam, A. (Balai Penelitian Tanaman Hias, Jakarta (Indonesia)). [Report of the Training on Fruit Pests and Diseases Control Workers]. Laporan Pelaksanaan Pelatihan Petugas Pengendalian OPT Buah/Direktorat Jenderal Produksi Hortikultura dan Aneka Tanaman, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Perlindungan Tanaman, 2000 p. 115-121 1 table; 7 ref.

CITRUS; MUSA; VIRUSES; DISEASE CONTROL; CITRUS TRISTEZA.

0185 SINAGA, M.S. [Development and use of bio-agents to control fruit diseases]. Pengembangan dan pemanfaatan agents hayati untuk pengendalian penyakit tanaman buah-buahan/Sinaga, M.S. (Institut Pertanian Bogor, Bogor (Indonesia). Fakultas Pertanian). [Report of the Training on Fruit Pests and Diseases Control Workers]. Laporan Pelaksanaan Pelatihan Petugas Pengendalian OPT Buah/Direktorat Jenderal Produksi Hortikultura dan Aneka Tanaman, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Perlindungan Tanaman, 2000 p. 156-170 10 ref.

FRUIT CROPS; DISEASE CONTROL; BIOLOGICAL CONTROL AGENTS; CONTROL METHODS; INTEGRATED CONTROL.

0186 SUWAHYONO, U. [*Trichoderma harzianum* biofungicide, an ecological friendly pesticide]. Biofungisida *Trichoderma harzianum* pestisida ramah lingkungan/ Suwahyono, U.; Wahyudi, P. (Direktorat

Teknologi Bioindustri, Jakarta (Indonesia). Jurnal Sains dan Teknologi Indonesia (Indonesia). Edisi Khusus ISSN 1410-9409 (2001) v. 3(5) p. 1-8 3 ill., 7 ref. Summary (En)

TRICHODERMA HARZIANUM; BIOLOGICAL CONTROL; PLANT PATHOLOGY; FUNGICIDES; ECOLOGY.

H60 WEEDS AND WEED CONTROL / GULMA DAN PENGENDALIAN GULMA

0187 RIFA'I, M. [Methods of weed control on cotton plantations]. Beberapa cara pengendalian gulma pada tanaman kapas/ Rifa'i, M.; Sudarmadji (Balai Penelitian Tanaman Tembakau dan Tanaman Serat, Malang (Indonesia)). Warta Penelitian dan Pengembangan Tanaman Industri (Indonesia) ISSN 0853-8204 (2001) v. 7(3) p. 10-12 3 tables

GOSSYPIUM HIRSUTUM; WEED CONTROL; CONTROL METHODS; WEED CONTROL EQUIPMENT; INTEGRATED CONTROL.

0188 SANTI, I.S. [Application of Argentina flies (*Procecidochares connexa*) to control *Chromolaena odorata* weed]. Lalat Argentina (*Procecidochares connexa*) untuk mengendalikan gulma siam (*Chromolaena odorata*)/Santi, I.S. (Institut Pertanian STIPER, Yogyakarta (Indonesia). Fakultas Pertanian). [Compilation of paper presented at the Eight-Thirteenth Monthly Seminar in STIPER Agricultural Institute (January - Nopember 2000)]. Kumpulan Makalah Seminar Bulanan Periode VIII-XIII (Januari s.d. November 2000)/Institut Pertanian STIPER, Yogyakarta (Indonesia). Yogyakarta (Indonesia): STIPER, 2000 (pt. 14) 3 p. 4 ref.

CHROMOLAENA ODORATA; BIOLOGICAL CONTROL; TEPHRITIDAE; NATURAL ENEMIES.

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

0189 BUDARAGA, I.K. . [Assessment on early respiration of salacca var. Pondoh

minimally processed on normal atmosphere storage condition]. Pengkajian awal respirasi minimally processed buah salak pondoh pada kondisi penyimpanan atmosfir normal/ Budaraga, I.K. Universitas Ekasakti, Padang (Indonesia). Fakultas Pertanian. Padang (Indonesia): Universitas Ekasakti, 1998. 14 p. 4 ill., 9 ref. Summary (In)

SALACCA EDULIS; POSTHARVEST CONTROL; RESPIRATION; PROCESSED PRODUCTS; STORAGE; TEMPERATURE; CONTROLLED; ATMOSPHERE STORAGE; YIELDS.

0190 BUDIHARTI, U. [Moved RMU, new agribusiness on rice processing]. RMU keliling, agribisnis baru pengelolaan beras/ Budiharti, U.; Harsono. Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2001) v. 23(5) p. 7-9 1 ill., 2 tables

RICE; PROCESSING; AGROINDUSTRIAL SECTOR; EQUIPMENT; MILLING; ECONOMIC ANALYSIS.

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

0191 YOESOEF, Y. [Effect of ginger extract on total bacteria, pH and the storability of the goat meat stored in refrigerator]. Pengaruh pemberian jahe terhadap jumlah koloni bakteri, pH dan daya simpan daging kambing dalam refrigerator/Yoesoef, Y. (Universitas Andalas, Padang (Indonesia). Fakultas Peternakan). Jurnal Peternakan dan Lingkungan (Indonesia) ISSN 0852-4092 (1998) v. 6(03) p. 89-94 3 tables; 10 ref. Summary (En)

GINGER; EXTRACTS; BACTERIA; PH; REFRIGERATION EQUIPMENT; GOATS; MEAT; KEEPING QUALITY.

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

0192 GINTINGS, A.N. National policies on biodiversity in forestry and estate aspects/Gintings, A.N.; Mukhtar, S.A.. Proceedings of

Workshop Management of Agrobiodiversity in Indonesia for Sustainable Land Use and Global Environmental Benefits/Gafur, A.; Susilo, F.X.; Utomo, M.; Noordwijk, M.V. (eds.) Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia); Universitas Lampung, Bandar Lampung (Indonesia). Jakarta (Indonesia): AARD, 1999 p. 146-151 1 table; 3 ref.

FORESTRY; FORESTRY POLICIES; BIODIVERSITY; GERMPLASM; GERMPLASM CONSERVATION; GENETIC RESOURCES; PLANTATIONS; FARM MANAGEMENT.

K10 FORESTRY PRODUCTION / PRODUKSI HUTAN

0193 HANDAYANI, T. [Seed germination of *Desmos dasymaschala* on different fruit maturity stages]. Perkecambahan biji kenanga hutan (*Desmos dasymaschala* (Blume) Saff.) pada berbagai tingkat ketuaan buah/ Handayani, T.; Panggabean, G. (PKT Kebun Raya Bogor (Indonesia)) BIOSFERA (Indonesia) ISSN 0853-1625 (2001) v. 18(1) p. 7-12 2 ill., 2 tables; 8 ref. Summary (En)

ANNONACEAE; SEED GERMINATION; MATURITY; GROWTH; SEEDLINGS.

0194 LEKSONO, B. [Technique for seed plantation establismen on second generation (F2)]. Teknik pembangunan kebun benih semai uji keturunan generasi kedua (F2)/ Leksono, B. Wana Benih (Indonesia) ISSN 1410-1172 (2001) v. 4(1) p. 1-26 27 ill., 8 ref.

FOREST TREES; SEED; FOREST NURSERIES; SEED DRILLING; SEEDBED PREPARATION; SEEDLINGS.

0195 MANGKUWIBOWO, F. [Study on *Morus* flowering]. Studi pembungaan pada *Morus* sp./Mangkuwibowo, F. Wana Benih (Indonesia) ISSN 1410-1172 (2001) v. 4(1) p. 27-34 2 tables; 4 ref. Summary (En)

MORUS; ORNAMENTAL WOODY PLANTS; FLOWERING; HYBRIDIZATION

0196 SYAFII, W. . [Exploration and identification of bio-active component on tropics wood species and its using possibility

as nature preservation material]. Eksplorasi dan identifikasi komponen bio-aktif beberapa jenis kayu tropis dan kemungkinan pemanfaatannya sebagai bahan pengawet alami/Syafii, W. Institut Pertanian Bogor (Indonesia). Fakultas Kehutanan. Bogor (Indonesia): FAHUTAN IPB, 2001 58 p. 6 ill., 9 tables; 26 ref.

DALBERGIA LATIFOLIA; CASSIA; HOPEA; DIOSPYROS; MANILKARA; METROSIDEROS; PALAQUIUM; NARWOOD; PLANT INTRODUCTION; USES; TROPICAL FORESTS; NATURE CONSERVATION; BIOLOGICAL PRESERVATION; WOOD PRESERVATIVES.

K50 PROCESSING OF FOREST PRODUCTS / PENGOLAHAN HASIL HUTAN

0197 EKOWALUYO, H. [Guidance of timber industry in Indonesia]. Kecenderungan pembinaan industri perkayuan di Indonesia/ Ekowaluyo, H. (Departemen Perindustrian dan perdagangan, Jakarta (Indonesia)). [Proceedings of the Workshop on Data Analysis and Policy of Forestry Sector]. Workshop Analisa Data dan Kebijakan Sektor Kehutanan/Jakarta (Indonesia): Departemen Kehutanan, 2001 p. 1-14 10 tables

WOOD INDUSTRY; DEVELOPMENT POLICIES; RAW MATERIALS; FOREST PRODUCTS.

0198 SUMADIWANGSA, S. Potential use of modified sago as an extender for UF plywood adhesive/Sumadiwangsa, S. (Pusat Penelitian dan Pengembangan Teknologi Hasil Hutan, Bogor (Indonesia). Forest Research Journal (Indonesia) ISSN 1412-1778 (2001) v. 2(1) p. 1-7 3 tables; 14 ref. Summary (En)

SAGO; NON CEREAL FLOURS; ADHESIVE; SOAKING; HYDROCHLORIC ACID; FORMALDEHYDE; TEMPERATURE; PHOSPHORYLATION; VISCOSITY; PLYWOOD

L01 ANIMAL HUSBANDRY / PETERNAKAN

0199 AUNUROHMAN, H. Study on estimation of milk production based on heart

girth measurement and udder size of Fries Holland dairy cows. Pendugaan produksi susu berdasarkan ukuran lingkar dada besar ambing sapi Fries Holland/Aunurohman, H.; Djatmiko, O.E. (Universitas Jenderal Soedirman, Purwokerto (Indonesia). Fakultas Peternakan). Animal Production (Indonesia). Jurnal Produksi Ternak ISSN 1411-2027 (2002) v. 4(1) p. 32-35 2 tables; 3 ref. Summary (En)

DAIRY COWS; MILK PRODUCTION; MEASUREMENT.

0200 BALAI PENGKAJIAN TEKNOLOGI PERTANIAN SUMATERA SELATAN, PALEMBANG. [Beef cattle farming pattern in South Sumatra]. Pola usaha peternakan sapi potong di Sumatera Selatan/Balai Pengkajian Teknologi Pertanian Sumatera Selatan, Palembang (Indonesia). Palembang (Indonesia): BPTP, 2001 15 p. 5 ill., 1 table; 5 ref.

BEEF CATTLE; ANIMAL BREEDING; COPULATION; FATTENING; FEEDING SYSTEMS; FLUSHING; ANIMAL HOUSING; HYGIENE; DISEASE CONTROL.

0201 BRAHMANTYO, B. [Productivity characteristics of Brahman cross, Angus and Murray grey cattle: growth and carcass production]. Karakteristik produksi sapi Brahman cross, Angus dan Murray grey: pertumbuhan dan karkas/Brahmantiyo, B. (Balai Penelitian Ternak, Bogor (Indonesia)). Widyariset (Indonesia) ISSN 1411-7932 (2001) v. 3 p. 69-76 1 ill., 2 tables; 15 ref. Summaries (En, In)

CATTLE; BODY WEIGHT; SLAUGHTER WEIGHT; CARCASSES; GROWTH WEIGHT.

0202 HARYANTO, S. [Effect of light intensity on the length of larval stages of the silkworm (*Bombyx mori* Linn)]. Studi pengaruh intensitas cahaya terhadap pertambahan panjang badan larva ulat sutra (*Bombyx mori* Linn)/Haryanto, S.; Darmawan, I.M.A. (Universitas Airlangga Surabaya (Indonesia). Fakultas Biologi); Nutriati. BIOSFERA (Indonesia) ISSN 0853-1625 (2001) v. 18(1) p. 20-24 2 tables; 10 ref. Summary (En)

BOMBYX MORI; LIGHT; INTENSITY; LENGTH; LARVAE.

0203 ISMADI, D. [Beef cattle farming in South Kalimantan]. Usaha ternak sapi potong di Kalimantan Selatan/Ismadi, D.; Suhaeti, R.N. Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2001) v. 23(5) p. 19

BEEF CATTLE; FATTENING; ANIMAL HUSBANDRY; FEEDS; PROBIOTICS; BODY WEIGHT; COST BENEFIT ANALYSIS; KALIMANTAN.

0204 MAKIN, M. Performance of milk production traits of Sahiwal cross and Holstein dairy cattle: A case study in Regencies of Cirebon, Subang and Sumedang, West Java (Indonesia). Perbandingan performans sifat-sifat produksi susu dan reproduksi sapi perah Sahiwal cross dengan Fries Holland: Studi kasus di Kab. Cirebon, Subang, dan Sumedang Jawa Barat/Makin, M. (Universitas Padjadjaran, Bandung (Indonesia)). Bionatura (Indonesia): Jurnal Ilmu-ilmu Hayati dan Fisik Padjadjaran ISSN 1411-0903 (2001) v. 3(3) p. 173-184 2 tables; 29 ref. Summaries (En, In)

ZEBU; DAIRY CATTLE; MILK PRODUCTION; REPRODUCTIVE PERFORMANCE; JAVA.

0205 SUSILOWATI, S.H. [Influence factors on changing of dairy cattle effort management effectivity on various alternatives : case study in Marga Mukti Village, Pangalengan Sub District, Bandung (Indonesia)]. Faktor-faktor yang mempengaruhi kinerja pengelolaan usaha ternak sapi perah ke berbagai usaha alternatif : studi kasus di Desa Marga Mukti, Kecamatan Pangalengan, Kabupaten Bandung/Susilowati, S.H.; Sugiarto; Zakaria, A.K.; Sudana, W.; Supriadi, H.; Supadi; Iqbal, M.; Suryani, E.; Syukur, M.; Soentoro (Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia)). [Study on Rural Economy Dynamics: Report on research results: Book 2: special study]. Studi Dinamika Ekonomi Pedesaan (PATANAS): Laporan hasil penelitian/Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia). Bogor (Indonesia): PSE, 2000 (pt.1) p.1-43 1 ill; 19 tables; 8 ref.

DAIRY CATTLE; LIVESTOCK MANAGEMENT; FARM SURVEYS;

ANIMAL POPULATION; PRODUCTION; FEEDS; PRICES; MILK PRODUCTION; ECONOMIC ANALYSIS; JAVA.

L02 ANIMAL FEEDING / PAKAN TERNAK

0206 BALAI PENELITIAN TERNAK, CIAWI. [Milk substitution for calves to produce veal meat]. Susu pengganti anak sapi untuk produksi daging veal/Balai Penelitian Ternak, Ciawi (Indonesia). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2001) v. 23(3) p. 15-16 1 ill., 1 table

CALVES; MILK; PRODUCTION; VEAL; COST BENEFIT ANALYSIS; QUALITY.

0207 FARIDA, W.R. [Tannin and its effects to animals]. Tanin dan pengaruhnya pada ternak/Farida, W.R.; Praptiwi; Semiadi, G. (Pusat Penelitian Pengembangan Biologi-LIPI, Bogor (Indonesia)). Jurnal Peternakan dan Lingkungan (Indonesia) ISSN 0852-4092 (1998) v. 6(03) p. 66-71 18 ref. Summary (En)

TANNINS; DIGESTIBILITY; MATURATION; POULTRY; FORAGE.

0208 HAFSAH. [Response of broiler chickens on rumen content as rations substitute on feed]. Respon ayam broiler pada penggunaan limbah RPH (isi rumen) sebagai substitusi sebagian ransum basal dalam pakan/Hafsa; Sarjuni, S. (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Agroland (Indonesia) ISSN 0854-641X (2000) v. 7(1) p. 91-97 3 tables; 8 ref. Summaries (En, In)

BROILER CHICKENS; RATIONS; RUMEN; PROXIMATE COMPOSITION; PROTEIN CONTENT; BODY WEIGHT; FEED CONVERSION EFFICIENCY; GROWTH RATE; CARCASSES.

0209 HARYANTO, B. . [Research report of green feed development of JP 300 support]. Laporan penelitian pengembangan hijauan makanan ternak menunjang JP 300/Haryanto, B.; Sabrani, M.; Winugroho, M.; Sudaryanto, B.; Risdiono, B.; Priyanti, A.; Martindah, E.;

Siahaan, M.; Suyanti, E.; Subiyanto Pusat Penelitian dan Pengembangan Peternakan. Bogor (Indonesia): PUSLITBANGNAK, 1999 65 p. 3 ill., 35 tables; 10 ref.

CATTLE; REARING; STRAW; SUPPLEMENT FERMENTATION; ANIMAL HEALTH; ORGANIC FERTILIZERS; COMPOSTS.

0210 KUSHARTONO, B. [Storage technique and quality increase of rice straw by ammoniation method]. Teknik penyimpanan dan peningkatan kualitas jerami padi dengan cara amoniasi/Kushartono, B. (Balai Penelitian Ternak, Bogor (Indonesia)). Buletin Teknik Pertanian (Indonesia) ISSN 0853-8379 (2001) v. 6(2) p. 81-83

RICE STRAW; FEEDS; STORAGE; QUALITY; ALKALI TREATMENT; AMMONIA.

0211 NASSER, A. [Effect of fermented cacao shell flour mixed with concentrates on carcass weight, carcass percentage, and carcass component weight of sheep]. Pengaruh penggunaan tepung kulit buah kakao fermentasi dalam konsentrat terhadap bobot karkas, persentase karkas dan bobot komponen karkas domba lokal/Nasser, A. (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Agroland (Indonesia) ISSN 0854-641X (2000) v. 7(1) p. 83-90 4 tables; 11 ref. Summaries (En, In)

SHEEP; RATIONS; THEOBROMA CACAO; BYPRODUCTS; FERMENTATION; PROXIMATE COMPOSITION; CHEMICAL COMPOSITION; CARCASSES.

0212 PARAKKASI, A. [Nutrition and feed sciences for ruminants]. Ilmu nutrisi dan makanan ternak ruminan/Parakkasi, A. Universitas Indonesia, Jakarta (Indonesia). Jakarta (Indonesia): UI, 1999 852 p. 14 ill., 15 tables; Bibliography p. 767-810

BEEF CATTLE; DOMESTIC BUFFALOES; BUFFALO MEAT; NUTRITIONAL REQUIREMENTS; FEEDING HABITS; FEEDING SYSTEMS; FATTENING; RATIONS; WEANING; PROXIMATE COMPOSITION; REPRODUCTIVE PERFORMANCE.

0213 RIYANTO, A. Effect of honey supplement on *Mus musculus* mother to the sexual ratio of her baby born. Pengaruh pemberian suplemen madu pada induk mencit terhadap rasio jenis kelamin anaknya/Riyanto, A. (Pusat Penelitian Biologi-LIPI, Bogor (Indonesia). Bidang Zoologi). Berita Biologi (Indonesia). ISSN 0126-1754 (2001) v. 5(4) p. 439-440 2 tables.

RATS; LABORATORY ANIMALS; SUPPLEMENTS; HONEY; SEX RATIO.

0214 SYAHRUDDIN, E. [Addition of niacin (Nicotinic acid) in ration on abdominal fat content and cholesterol of broiler carcass]. Penambahan niasin (Asam nikotinat) dalam ransum terhadap kandungan lemak abdominal dan kolesterol karkas ayam broiler/Syahruddin, E. (Universitas Andalas, Padang (Indonesia). Fakultas Peternakan). Jurnal Peternakan dan Lingkungan (Indonesia) ISSN 0852-4092 (1998) v. 6(03) p. 38-42 2 tables; 7 ref. Summary (En)

BROILER CHICKENS; RATIONS; NICOTINAMIDE; ABDOMINAL FAT; CARCASSES; CHOLESTEROL; WEIGHT GAIN; ANIMAL FEEDING; FEEDS.

0215 WIJONO, D.B. [Opportunity of beef cattle farm efficiency through improving feeds]. Peluang efisiensi usaha sapi potong melalui perbaikan pakan/Wijono, D.B.; Rosyid, A. (Balai Pengkajian Teknologi Pertanian, Karangploso (Indonesia)). [Proceedings of the Agricultural Technology Appreciation in East Java (Indonesia)]. Prosiding Apresiasi Teknologi Pertanian Propinsi Jawa Timur/Kartono, G.; Irianto, D.; Suyamto; Istiqomah, N. (eds.) Balai Pengkajian Teknologi Pertanian Karangploso, Malang (Indonesia). Malang (Indonesia): BPTP Karangploso, 2001 p. 91-101 1 table; 11 ref. Summary (In)

BEEF CATTLE; PROBIOTICS; FEED CONVERSION EFFICIENCY; FAT-TENING; REPRODUCTION; CO-OPERATIVE FARMING; CAPITAL; APPROPRIATE TECHNOLOGY; MARKETING.

0216 ZEIN, R. [Determination of mineral content on oil palm solid waste that has potential as feed source]. Penentuan kandungan mineral pada limbah padat sawit

yang berpotensi sebagai sumber pakan ternak/Zein, R. (Universitas Andalas, Padang (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam). Jurnal Peternakan dan Lingkungan (Indonesia) ISSN 0852-4092 (1998) v. 6(03) p. 95-99 2 tables; 19 ref. Summary (En)

PALM OILS; SOLID WASTES; MINERAL CONTENT; ANIMAL FEEDING.

L10 ANIMAL GENETICS AND BREEDING / GENETIKA DAN PEMULIAAN TERNAK

0217 AMINAH, S. [Survival of goat spermatozoa using Tris thinner emulsion, coconut water, skim and fresh milk]. Daya tahan hidup spermatozoa kambing dengan menggunakan larutan pengencer tris, air kelapa, skim, dan susu murni/Aminah, S.; Layla, Z. (Pusat Penelitian dan Pengembangan Ternak, Bogor (Indonesia)). Buletin Teknik Pertanian (Indonesia) ISSN 0853-8379 (2001) v. 6(2) p. 66-68 1 table; 10 ref.

GOATS; SPERMATOZOA; THINNERS; COCONUT WATER; MILK; SKIM MILK; SURVIVAL.

0218 BALAI PENELITIAN TERNAK CIAWI, BOGOR. [Producing superior sheep and goat through artificial insemination]. Mencetak "Doming" unggul dengan inseminasi buatan/Balai Penelitian Ternak Ciawi, Bogor (Indonesia). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2001) v. 23(3) p. 12-13 2 ill., 1 table

GOATS; SHEEP; ARTIFICIAL INSEMINATION; REPRODUCTION.

0219 DIREKTORAT BINA PEMBITAN, JAKARTA. [Technical guidance on development of beef cattle breeding in rural areas]. Petunjuk teknis pengembangan pembibitan pedesaan sapi potong/Direktorat Bina Pembibitan, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Bina Pembibitan, 1998 15 p. 1 ill. Appendices

BEEF CATTLE; ANIMAL BREEDING; CROSSBREEDING; EMBRYO TRANSFER; PARTNERSHIPS.

0220 DIREKTORAT BINA PEMBIBITAN, JAKARTA. [Technical guidance on development of chicken/duck breeding]. Petunjuk teknis pengembangan pembibitan ayam buras/itik/Direktorat Bina Pembibitan, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Bina Perbibitan, 1998 12 p.

DUCKS; CHICKENS; ANIMAL BREEDING; SELECTION; MATING SYSTEMS; PARTNERSHIPS.

0221 SUBANDRIYO. [Productivity of new sheep (local+import) crossbreeds]. Domba baru, paduan domba lokal dan impor/Subandriyo (Balai Penelitian Ternak, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2001) v. 23(3) p. 1-3 1 table

SHEEP; ANIMAL POPULATION; PRODUCTIVITY; CROSSBREEDING.

0222 TAWFIK, E.S. Basic concept of animal breeding: some considerations in genetic improvement/Tawfik, E.S. (University of Kassel, (Germany), Department of Animal Husbandry); Sodiq, A. (Universitas Jenderal Soedirman, Purwokerto, (Indonesia). Fakultas Peternakan). Animal Production (Indonesia) = Jurnal Produksi Ternak ISSN 1411-2027 (2002) v. 4(1) p. 44-51 5 ill., 12 ref. Summary (In)

LIVESTOCK; SELECTION; ANIMAL BREEDING; ANIMAL POPULATION; ANIMAL PRODUCTION; CROSS-BREEDING; PURE BREEDING; BREEDING METHODS.

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

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SALTWATER FISHES; ORNAMENTAL FISHES; FISH FARMS; ANIMAL MORPHOLOGY; BLOOD CELLS; IMMUNITY.

L53 ANIMAL PHYSIOLOGY - REPRODUCTION / FISIOLOGI HEWAN - REPRODUKSI

0224 MELIANAWATI, R. [Effect of different incubation temperatures on the embryonic development, incubation period and hatching rate]. Pola perkembangan embrio dan derajat tetas telur ikan kerapu bebek (*Cromileptes altivelis*) pada suhu inkubasi berbeda/Melianawati, R.; Imanto, P.T.; Lante, S. (Balai Besar Perikanan Budidaya Laut, Gondol-Bali (Indonesia)). [Breeding contribution on technology innovation with environmental friendly]. Kontribusi pemuliaan dalam inovasi teknologi ramah lingkungan /Kasno, A.; Lamadji, S.; Basuki, N.; Arsyad, D.M.; Mardjono, R.; Mirzaman; Boswarsiati; Sudjindro (eds.). Perhimpunan Ilmu Pemuliaan Indonesia, Malang (Indonesia). Komisariat Daerah Jawa Timur. Bandung (Indonesia): Perhimpunan Ilmu Pemuliaan Indonesia, 2001 p. 128-133 3 ill., 8 ref. Summaries (En, In)

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GROUPERS; EGG INCUBATION; EGG HATCHABILITY; HATCHING; DOSAGE EFFECTS; FISH LARVAE; DENSITY.

L73 ANIMAL DISEASES / PENYAKIT TERNAK

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CYPRINUS CARPIO; BLOOD; ANTIBIOTICS; ABSORPTION; DOSAGE; APPLICATION RATES.

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M12 AQUACULTURE PRODUCTION AND MANAGEMENT / PRODUKSI DAN PENGELOLAAN BUDIDAYA PERAIRAN

0235 AKRIMI. [Application of azolla as feed additive on red mila (*Oreochromis* sp.)]. Pemberian azolla sebagai pakan tambahan ikan mila merah/Akrimi (Balai Riset Perikanan Perairan Umum, Mariana (Indonesia)). Buletin Teknik Pertanian (Indonesia) ISSN 0853-8379 (2001) v. 6(2) p. 63-65 1 ill., 1 table; 9 ref.

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M40 AQUATIC ECOLOGY / EKOLOGI PERAIRAN

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ORGANIC AGRICULTURE; FARM EQUIPMENT; CONSTRUCTION; TRACTORS.

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P10 WATER RESOURCES AND MANAGEMENT / SUMBER DAYA AIR DAN PENGELOLAANNYA

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P11 DRAINAGE / PENGAIRAN

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P33 SOIL CHEMISTRY AND PHYSICS / KIMIA DAN FISIKA TANAH

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0266 NURJANNA. [Isolation, identification, and determination of bacteria numbers in peat soils]. Isolasi, identifikasi, dan Penentuan jumlah bakteri asal tambak tanah gambut/Nurjanna (Balai Penelitian Perikanan Pantai, Maros (Indonesia)). Buletin Teknik Pertanian (Indonesia) ISSN 0853-8379 (2001) v. 6(2) p. 77-80 2 tables; 6 ref.

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P35 SOIL FERTILITY / KESUBURAN TANAH

0271 ASTRO, H.M. [Evaluation on N, P and K nutrients its relation with traditional cropping system of Sumbawa-NTB (Indonesia) people]. Evaluasi hara N, P dan K -hubungannya dengan pola tanam tradisional masyarakat Sumbawa-NTB/Astro, H.M. (Balai Penelitian Teknologi Tepat Guna BPTTG-LIPI, Subang (Indonesia). Unit Pelaksana Teknik). Widyariset (Indonesia) ISSN 1411-7932 (2001) v. 3 p. 149-158 4 ill., 8 ref. Summaries (En, In)

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P36 SOIL EROSION, CONSERVATION AND RECLAMATION / EROSI, PELESTARIAN DAN PERBAIKAN TANAH

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P40 METEOROLOGY AND CLIMATOLOGY / CUACA DAN IKLIM

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0275 HARYADI. [Flour milling technology]. Teknologi tepung/Haryadi (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Teknologi Pertanian). [Proceedings of the Seminar on Food Security and Safety]. Prosiding Seminar Ketahanan Pangan/Haryadi; Supartono, W. Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian. Yogyakarta (Indonesia): UGM, 2001 p. 54-68 3 ill., 20 ref.

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Q02 FOOD PROCESSING AND PRESERVATION / PENGOLAHAN DAN PENGAWETAN MAKANAN

0277 JULISTIONO, H. Toxicity of glycerol or sucrose during freezing and thawing of yeast *Saccharomyces cerevisiae* cell. Toksisitas gliserol atau sukrosa pada sel khamir *Saccharomyces cerevisiae* yang disimpan pada suhu rendah beku/Julistiono, H. (Balai Penelitian Pengembangan Mikrobiologi, PUSLIT BIOLOGI-LIPI, Bogor (Indonesia)). Berita Biologi (Indonesia) ISSN 0126-1754 (2001) v. 5(4) p. 387-394 19 ref. Summary (En). Appendices

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0281 UTAMA, J.S. [Utilization of sweet potato instant flour for breadwhite processing] Tepung instan ubi jalar untuk pembuatan roti tawar/Utama, J.S.; Antarlina, S.S. (Balai Penelitian Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Pangan: Media Komunikasi dan Informasi (Indonesia) (2002). V. 9(38) p. 54-60. 6 tables; 10 ref.

SWEET POTATOES; FLOURS; BREADS; CHEMICOPHYSICAL PROPERTIES; ORGANOLEPTIC PROPERTIES; CHEMICAL COMPOSITION.

Q03 FOOD CONTAMINATION AND TOXICOLOGY / KONTAMINASI DAN TOKSIKOLOGI PANGAN

0282 SUNARDI. [Bacterial contamination on food]. Pencemaran pangan oleh bakteri: potensi bahaya dan pencegahannya/Sunardi (Institut Pertanian STIPER, Yogyakarta (Indonesia). Fakultas Teknologi Pertanian). [Compilation of Paper Presented at the Eight-Thirteenth Monthly Seminar in STIPER Agricultural Institute (January-November 2000)]. Kumpulan Makalah Seminar Bulanan Periode VIII-XIII (Januari s.d. November 2000)/Institut Pertanian STIPER, Yogyakarta (Indonesia) Yogyakarta (Indonesia): STIPER, 2000 (pt. 12) 9 p. 2 ill., 5 tables; 5 ref.

FOODS; BIOLOGICAL CONTAMINATION; FOODBORNE DISEASES; STAPHYLOCOCCUS AUREUS;

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RICE; SOIL TOXICITY; SOIL POLLUTION.

Q04 FOOD COMPOSITION / KOMPOSISI MAKANAN

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HEALTH FOODS; NUTRITION PHYSIOLOGY; ORGANOLEPTIC PROPERTIES; INGREDIENTS; THERAPEUTIC DIETS; PHYSIOLOGICAL FUNCTIONS.

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ALPINIA GALANGA; VARIETIES; EXTRACTS; ANTIMICROBIAL-PROPERTIES; PRESERVATIVES; VOLATILE COMPOUNDS.

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CANE SUGAR; QUALITY; SUGAR INDUSTRY; FOOD INDUSTRY; BEVERAGE INDUSTRY; QUALITY CONTROL; PHARMACEUTICAL INDUSTRY; MARKET SEGMENTATION.

Q51 FEED TECHNOLOGY / TEKNOLOGI PAKAN

0287 MIRZAH. [Use of shrimp waste meal products by processing with steam pressure on the performance of broiler chicken]. Pemakaian tepung limbah udang hasil olahan dengan tekanan uap terhadap performan ayam broiler/Mirzah (Universitas Andalas, Padang (Indonesia). Fakultas Peternakan). Jurnal Peternakan dan Lingkungan (Indonesia) ISSN 0852-4092 (1998) v. 6(03) p. 16-25 4 tables; 31 ref. Summary (En)

BROILER CHICKENS; RATIONS; PRAWNS AND SHRIMPS; FISH MEAL; PROCESSED ANIMAL PRODUCTS; PROTEIN QUALITY; FEED CONSUMPTION; PROXIMATE COMPOSITION.

Q54 FEED COMPOSITION / KOMPOSISI PAKAN

0288 ASKAR, S. [Modification of calcium analysis method using chloranilic acid on feeds]. Modifikasi metode analisis kalsium dengan larutan asam kloranilat dalam bahan pakan/Askar, S. (Pusat Penelitian dan Pengembangan Ternak, Bogor (Indonesia)). Buletin Teknik Pertanian (Indonesia) ISSN 0853-8379 (2001) v. 6(2) p. 50-54 3 ill., 3 tables; 5 ref.

FEEDS; SETARIA SPHAERELATA; SESBANIA GRANDIFLORA; CALCIUM; CHEMICAL COMPOSITION; COLORIMETRY; TEMPERATURE; SEDIMENT.

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

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PALM OILS; DIESEL OIL; PROCESSING; PRODUCTION COSTS; USES.

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RICINUS COMMUNIS; CASTOR OIL; DRYING; SEED EXTRACTS; RAW MATERIALS; PLASTICS; TUNG OIL; FATTY ACIDS; CHEMICOPHYSICAL PROPERTIES.

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LATEX; SMOKING; DRYING; PURIFICATION; PRESERVATION; IDENTIFICATION; ASPERGILLUS; PENICILLIUM; PAECILOMYCES; CLADOSPORIUM; CURVULARIA; EUROTIUM.

Q70 PROCESSING OF AGRICULTURAL WASTES / PENGOLAHAN LIMBAH PERTANIAN

0292 HERNANI. [Isolation of cardanol from CNSL (Cashew Nut-Shell Liquid) using column chromatography]. Isolasi kardanol dari CNSL (Cashew Nut-Shell Liquid) secara Kromatografi kolom/Hernani (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Tanaman Industri (Indonesia) ISSN 0853-8204 (2001) v. 7(4) p. 10-12 3 ill., 2 tables

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OIL PALMS; BIOMASS; RESIDUES; COAL; WASTE MANAGEMENT; AGRICULTURAL WASTES; KALIMANTAN.

Q80 PACKAGING / PENGEPAKAN PRODUK INDUSTRI HASIL PERTANIAN, PETERNAKAN, PERIKANAN DAN KEHUTANAN

0294 PUSAT PENELITIAN KELAPA SAWIT. [Palmega-R015 palm oil, arich source of Omega-3]. Palmega-R015 minyak sawit kaya Omega-3/Pusat Penelitian Kelapa Sawit, Medan (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2002) v. 24(1) p. 12-13 1 ill.

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

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INDONESIA; NUTRITIONAL STATUS; NUTRIENT INTAKE; NUTRIENT DEFICIENCIES; FOOD CONSUMPTION.

0296 SOEKIRMAN. [Role of nutrition on human resources planning]. Peran gizi dalam perencanaan sumber daya manusia (SDM)/ Soekirman (Institut Pertanian Bogor (Indonesia)). Pangan: Media Komunikasi dan Informasi (Indonesia) (2002) v. 9(38) p. 3-9, 9 ref.

INDONESIA; NUTRITION SURVEYS; HUMAN NUTRITION; HUMAN RESOURCES; NUTRIENT IMPROVEMENT.

T01 POLLUTION / POLUSI

0297 KURNIAWANSYAH, M. Tolerance of vetiver grass (*Vetiveria zizanioides* L.) on soil contaminated by heavy metal Pb and Cd. Toleransi tanaman akar wangi (*Vetiveria zizanioides* L.) pada tanah tercemar logam berat Pb dan Cd/Kurniawansyah, M.; Sudirman (Pusat Penelitian dan Pengembangan Tanah dan Agroklimat, Bogor (Indonesia)); Roechan, S.; Emmyzar. Soilrens (Indonesia) ISSN 1411-4224 (2001) v. 2(3) p. 115-125. 6 tables; 5 ref. Summary (En)

VETIVERIA ZIZANOIDES; SOIL POLLUTION; HEAVY METALS; CADMIUM; LEAD; SOIL CHEMICO-PHYSICAL PROPERTIES; GROWTH; YIELDS.

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INDONESIA; SEDIMENT POLLUTION; TERRITORIAL WATERS; CHEMICAL CONTAMINATION.

U40 SURVEYING METHODS // METODE SURVEI

0299 LESTARI, S. [Utilization of rain and cloud remote sensing technology in weather modification activities in Indonesia]. Pemanfaatan teknologi indera jauh hujan dan awan dalam kegiatan modifikasi cuaca di Indonesia/Lestari, S. (Unit Pelaksanaan Teknis Hujan Buatan, Jakarta (Indonesia). Jurnal Sains dan Teknologi Indonesia (Indonesia). Edisi Khusus ISSN 1410-9409 (2001) v. 3(5) p. 82-87. 3 ill., 6 ref. Summary (En)

INDONESIA; REMOTE SENSING; WEATHER; CLOUDS; RAIN; CLIMATOLOGY

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0157, 0292	CULTIVATION	DIAGNOSIS
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