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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.

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

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

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

Bogor, 2010

Kepala Pusat Perpustakaan dan
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BEEF CATTLE; FARMERS ASSOCIATIONS; MASS MEDIA; EXTENSION ACTIVITIES.

004 SYAM, A. [Support of Southeast Sulawesi Assessment Institute of Agricultural Technology on implementing agricultural extension in Southeast Sulawesi]. Dukungan BPTP Sulawesi Tenggara dalam penyelenggaraan penyuluhan pertanian di Sulawesi Tenggara/Syam, A.; Sutisna, E. (Balai Pengkajian Teknologi Pertanian Sulawesi Tenggara, Kendari (Indonesia)). [Proceedings of the national seminar and expose of agricultural research results. Book 2]. Prosiding seminar nasional dan ekspose hasil penelitian. Buku 2/Syam, A.; Hadadde, I.; Sutisna, E.; Mustaha, M.A.; Rusastra, I W. (eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2006: p. 815-821 9 ref. 631.152/SEM/p bk.2

AGRICULTURE; EXTENSION ACTIVITIES; RESEARCH INSTITUTIONS; PARTICIPATION; INFORMATION TECHNOLOGY; DIFFUSION OF INFORMATION; FARMERS; TECHNOLOGY TRANSFER; SUSTAINABILITY; SULAWESI.

D50 LEGISLATION / PERATURAN PERUNDANG-UNDANGAN

005 TRIWAHYONO, I. [Development of agricultural quarantine in Indonesia]. Pembangunan karantina pertanian di Indonesia/ Triwahyono, I Badan Karantina Pertanian, Jakarta (Indonesia). Jakarta : Badan Karantina Pertanian, 2006: 93 p.

QUARANTINE; AGRICULTURAL DEVELOPMENT; INDONESIA.

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633.34-115.1/PUS/k

SOYBEANS; PRODUCTION;
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MALUKU; FOOD SECURITY;
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BIRDS; ANIMAL MIGRATION; WINTER;
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63(594)/SEM/p

AGRICULTURE; MULTIPLE USE; FOOD
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AGRICULTURAL DEVELOPMENT; RICE;
TERRACES; SOIL CONSERVATION;
MULTIPLE USE; PHILIPPINES.

016 HAFIF, B. Upland potential of South Lampung based on land characteristic: case study for Penengahan, Ketapang, Palas and Sragi-district . Potensi lahan kering Lampung Selatan ditinjau dari karakteristik lahan: studi kasus kecamatan Penengahan, Ketapang, Pasa dan Sragi /Hafif, B.; Silalahi, M. (Balai Pengkajian Teknologi Pertanian Lampung, Bandar Lampung (Indonesia)).[Proceedings of the national seminar on innovation and specific location technology transfer supporting agriculture revitalization. Book 2]. Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian. Buku 2/Sudana, W. ; Moudar, D.; Jamil, A.; Yufdy, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S. (eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2007: p. 737-747 4 ill., 4 tables; 8 ref.
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SUMATRA; LAND EVALUATION; SOIL
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LAND USE; PHYSIOGRAPHY; SLOPING

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017 HILMAN. [Concept of sustainable dryland resource management in Southeast Sulawesi]. Konsep pengelolaan sumberdaya lahan kering berkelanjutan di Sulawesi Tenggara/ Hilman; Agussalim (Balai Pengkajian Teknologi Pertanian Sulawesi Tenggara, Kendari (Indonesia)). [Proceedings of the national seminar and expose of agricultural research results. Book 2]. Prosiding seminar nasional dan ekspose hasil penelitian. Buku 2/Syam, A.; Hadadde, I.; Sutisna, E.; Mustaha, M.A.; Rusastra, I W. (eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2006: p. 635-649 1 ill., 6 tables; 28 ref. 631.152/SEM/p bk.2

SULAWESI; LAND RESOURCES; LAND MANAGEMENT; DRY FARMING; SOIL CHEMICOPHYSICAL PROPERTIES; SOIL FERTILITY; LAND IMPROVEMENT; EROSION CONTROL; SUSTAINABILITY.

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INDONESIA; AGRICULTURAL LAND; LAND DIVERSION; LAND MANAGEMENT; MULTIPLE LAND USE; AGRICULTURAL DEVELOPMENT.

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020 PASANDARAN, E. Policy alternatives to control conversion of irrigated rice fields in Indonesia. Alternatif kebijakan pengendalian konversi lahan sawah beririgasi di Indonesia/ Pasandaran, E. (Pusat Analisis Sosial Ekonomi dan Kebijakan Pertanian, Bogor (Indonesia)). [Proceedings of the seminar on multifunctionality and revitalization of agriculture]. Prosiding seminar multifungsi dan revitalisasi pertanian/Dariah, A.; Nurida, N.L.; Irawan; Husen, E.; Agus, F.(eds.) Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta : Badan Litbang Pertanian , 2006: p. 247-262 3 tables ; 20 ref. 63(594)/SEM/p

RICE FIELDS; IRRIGATED LAND; LAND RESOURCES; LAND DIVERSION; INDONESIA.

E12 LABOUR AND EMPLOYMENT/ TENAGA KERJA DAN KE- SEMPATAN KERJA

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AND POLICIES/ EKONOMI DAN
KEBIJAKAN PEMBANGUNAN**

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SULAWESI; FARMING SYSTEMS; FARMERS; EXTENSION ACTIVITIES; SCIENTISTS; FARM HELPER SERVICES; FARM INPUTS; INFORMATION SERVICES; TRAINING COURSES; INNOVATION; TECHNOLOGY TRANSFER.

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IRRIGATED RICE; DUCKS; COTTAGE
INDUSTRY; POSTHARVEST TECHNO-
LOGY; INNOVATION; TRAINING;

FARMERS; PARTICIPATION;
INTEGRATED PLANT PRODUCTION;
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INCOME; SUMATRA.

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SPICE CROPS; FRUIT CROPS; DRUG
PLANTS; FIBRE CROPS; ORNAMENTAL
PLANTS; AGRICULTURAL DEVELOP-
MENT.

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COCONUTS; RUBBER; THEOBROMA
CACAO; POGOSTEMON CABLIN;
COFFEA; SYZYGIIUM AROMATICUM;
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FARMERS ASSOCIATIONS;
PARTICIPATION; INCENTIVES;
FINANCIAL INSTITUTIONS; JAVA.

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THEOBROMA CACAO; AGRICULTURAL PRODUCTS; ECONOMIC DEVELOPMENT; FARMING SYSTEMS; FARMERS ASSOCIATIONS; PARTICIPATION; SOCIOECONOMIC ENVIRONMENT; INFRASTRUCTURE; TECHNOLOGY; SUMATRA.

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CAMELLIA SINENSIS; FERTILIZER APPLICATION; APPLICATION METHODS; DROUGHT STRESS; DRY SEASON.

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CAMELLIA SINENSIS; PRODUCTION; CLIMATE; ENVIRONMENT.

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

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IRRIGATED RICE; RICE; FARMING SYSTEMS; PRODUCTION INCREASE; EXCHANGE RATE; TRADE; INPUT OUTPUT ANALYSIS; LABOUR COSTS; FARM INCOME; HOUSEHOLD CONSUMPTION; SULAWESI.

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CASSAVA; FARMING SYSTEMS; FARM INPUTS; LABOUR; ECONOMIC ANALYSIS.

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631.152/SEM/p bk.2

CAMELLIA SINENSIS; SMALL ENTERPRISES; COOPERATIVE FARMING; RAPID RURAL APPRAISAL; FARMERS ASSOCIATIONS; DEVELOPMENT POLICIES; TECHNOLOGY TRANSFER; JAVA.

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631.152/SEM/p bk.2

THEOBROMA CACAO; FARMING SYSTEMS; DEVELOPMENT POLICIES; PRODUCTIVITY; FRUIT DAMAGING INSECTS; CONOPOMORPHA CRAMERELLA; PHYTOPHTHORA; INTEGRATED CONTROL; PRUNING; HARVESTING FREQUENCY.

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THEOBROMA CACAO; FARMING SYSTEMS; ECONOMIC SOCIOLOGY; COST ANALYSIS; MINIMUM PRICES; FARMERS; CLIMATIC CHANGE; PRODUCTION COSTS; PROFITABILITY.

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631.152/SEM/p bk.2

PEPPER; FARMING SYSTEMS; FARMERS; PARTICIPATION; TECHNOLOGY TRANSFER; PRODUCTION INCREASE; PROFITABILITY; SULAWESI.

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IRRIGATED RICE; CROP MANAGEMENT; INTEGRATED PLANT PRODUCTION; AGROPASTORAL SYSTEMS; TECHNOLOGY TRANSFER; PRODUCTION INCREASE; FARM INCOME; PRODUCTIVITY; SUMATRA.

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63(594)/SEM/p

VEGETABLE CROPS; FARMING SYSTEMS; LAND MANAGEMENT; HIGHLANDS; JAVA.

058 DJASMI. [Identification of development areas of agricultural technology clinic in Southeast Sulawesi]. Studi identifikasi wilayah pengembangan klinik teknologi pertanian Sulawesi Tenggara/Djasmi; Hilman; Mustaha, M.A. (Balai Pengkajian Teknologi Pertanian Sulawesi Tenggara, Kendari (Indonesia)).[Proceedings of the national seminar and expose of agricultural research results. Book 2]. Prosiding seminar nasional dan ekspose hasil penelitian. Buku 2/Syam, A.; Hadadde, I.; Sutisna, E.; Mustaha, M.A.; Rusastra, I W. (eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2006: p. 775-788 10 tables; 11 ref.
631.152/SEM/p bk.2

AGRICULTURAL PRODUCTS; TECHNOLOGY; FARMING SYSTEMS; AGRICULTURAL DEVELOPMENT; AGRICULTURAL WORKERS; FARMERS ASSOCIATIONS; PARTICIPATION; INFRASTRUCTURE; TECHNOLOGY TRANSFER; SULAWESI.

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631.152/SEM/p bk.2

IRRIGATED RICE; FARMING SYSTEMS; ETHNIC GROUPS; SOCIOECONOMIC ENVIRONMENT; SOCIAL CHANGE; QUALITY OF LIFE; MOTIVATION; INNOVATION; BASIC NEEDS; FARM INCOME; TECHNOLOGY TRANSFER; SULAWESI.

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CATTLE; LIVESTOCK; COSTS; INCOME; EFFICIENCY; ECONOMICS; COST ANALYSIS; MALUKU.

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631.152/SEM/p bk.2

CLOVES; FARMING SYSTEMS; MARKETING; MARGINAL ANALYSIS; FARM INCOME; EFFICIENCY; MARKETING MARGINS; BALI.

062 NIELDALINA Identified of constraint and opportunity of technological component

application through integrated crops management approach in Asahan District : case study of Sei Balai Village, Sei Balai Sub-District . Identifikasi kendala dan peluang penerapan komponen teknologi dengan pendekatan PTT di Kabupaten Asahan: studi kasus Desa Sungai Balai, Kecamatan Sungai Balai/Nieldalina; Helmi; Daniel, M. (Balai Pengkajian Teknologi Pertanian Sumatera Utara, Medan (Indonesia)).[Proceedings of the national seminar on innovation and specific location technology transfer supporting agriculture revitalization. Book 2]. Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian. Buku 2/Sudana, W.; Moudar, D.; Jamil, A.; Yufdy, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani, M.; Haloho, L.; Darmawati; Suryani, S.(eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2007: p. 855-861 2 ill., 3 tables; 10 ref.

631.152/SEM/p bk.2

IRRIGATED RICE; INTEGRATED PLANT PRODUCTION; FARMERS; TECHNOLOGY TRANSFER; INFRASTRUCTURE; FARM INPUTS; CROP MANAGEMENT; RAPID RURAL APPRAISAL; SUMATRA.

063 RINALDI, J. [Analysis of production cost and feasibility of Arabica coffea farming system in Satra Village, Bali]. Analisis biaya produksi dan kelayakan usahatani kopi arabika di Desa Satra Provinsi Bali/Rinaldi, J.; Elisabeth, D.A.; Rubiyo (Balai Pengkajian Teknologi Pertanian Bali, Denpasar (Indonesia)).[Proceedings of the national seminar and expose of agricultural research results. Book 2]. Prosiding seminar nasional dan ekspose hasil penelitian. Buku 2/Syam, A.; Hadadde, I.; Sutisna, E.; Mustaha, M.A.; Rusastra, I W. (eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2006: p. 435-439 3 tables; 4 ref.

631.152/SEM/p bk.2

COFFEA ARABICA; PRODUCTION COSTS; FARMING SYSTEMS; FARM INPUTS; MANPOWER; FARMERS; COST ANALYSIS; ECONOMIC ANALYSIS; BALI.

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631.152/SEM/p bk.2

SULAWESI; FARMERS ASSOCIATIONS; EXTENSION ACTIVITIES; RESEARCH SUPPORT; INNOVATION; TECHNOLOGY TRANSFER; PARTICIPATION; AGROINDUSTRIAL SECTOR.

065 SIAGIAN, D.R. [Zone of fruit commodities at North Sumatra scale 1 : 250.000]. Pewilayahan beberapa komoditas buah-buahan di Sumatera Utara skala 1 : 250.000/Siagian, D.R.; Girsang, M.A. (Balai Pengkajian Teknologi Pertanian Sumatera Utara, Medan (Indonesia)).[Proceedings of the national seminar on innovation and specific location technology transfer supporting agriculture revitalization. Book 2]. Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian. Buku 2/Sudana, W.; Moudar, D.; Jamil, A.; Yufdy, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani, M.; Haloho, L.; Darmawati; Suryani, S.(eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2007: p. 803-811 4 ill., 5 tables; 10 ref.

631.152/SEM/p bk.2

FRUITS; AGRICULTURAL PRODUCTS; AGROECOSYSTEMS; FARMING SYSTEMS; SITE FACTORS; LAND SUITABILITY; SUSTAINABILITY; FARM INCOME; SUMATRA.

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pertanian dalam rangka peningkatan produksi dan pengentasan kemiskinan/Sudaryanto, T.; Rusastra, I W. (Pusat Analisis Sosial Ekonomi dan Kebijakan Pertanian, Bogor (Indonesia)). [Proceedings of the seminar on multifunctionality and revitalization of agriculture]. Prosiding seminar multifungsi dan revitalisasi pertanian/Dariah, A.; Nurida, N.L.; Irawan; Husen, E.; Agus, F.(eds.) Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta : Badan Litbang Pertanian , 2006: p. 155-172 5 tables; 19 ref. 63(594)/SEM/p

POVERTY; AGRICULTURAL POLICIES; PRODUCTION INCREASE; OWNERSHIP.

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ANACARDIUM OCCIDENTALE;
FERTILIZER APPLICATION;
PACLOBUTRAZOL; AGROPASTORAL
SYSTEMS; PRODUCTION INCREASE;
FARM INCOME; DIVERSIFICATION;
PRODUCTIVITY; TECHNOLOGY
TRANSFER; SULAWESI.

068 SYAM, A. [Dynamic, potential and prospect of Theobroma cacao development in Southeast Sulawesi]. Dinamika, potensi, dan prospek pengembangan komoditas kakao di Sulawesi Tenggara/Syam, A.; Abidin, Z.; Sahara, D. (Balai Pengkajian Teknologi Pertanian Sulawesi Tenggara, Kendari (Indonesia)); Kariyasa, K.[Proceedings of the national seminar and expose of agricultural research results. Book 2]. Prosiding seminar nasional dan ekspose hasil penelitian. Buku 2/Syam, A.; Hadadde, I.; Sutisna, E.; Mustaha, M.A.; Rusastra, I W. (eds.) Balai Besar Pengkajian dan Pengembangan Teknologi

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THEOBROMA CACAO; FARMING SYSTEMS; ECONOMIC DEVELOPMENT; DEVELOPMENT POLICIES; PRODUCTION INCREASE; PRICES; PRODUCTIVITY; ECONOMIC COMPETITION; SULAWESI.

069 TOGATOROP, M.H. [Role of livestock as an farming system component in rice field ecosystem to increase farmers income]. Peran serta ternak sebagai salah satu komponen usahatani ekosistem lahan sawah untuk peningkatan pendapatan petani/Togatorop, M.H.; Sudana, W. (Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia)). [Proceedings of the national seminar on innovation and specific location technology transfer supporting agriculture revitalization. Book 2]. Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian. Buku 2/Sudana, W. ; Moudar, D.; Jamil, A.; Yufdy, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S.(eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2007: p. 630-638 7 tables; 11 ref.

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LIVESTOCK; IRRIGATED RICE;
FARMING SYSTEMS; TENURE;
REARING TECHNIQUES; EXTENSIVE
HUSBANDRY; FARM INCOME.

070 WAMAER, D. [Contribution of organic arabica coffea on farmer income in Jayawijaya Regency]. Kontribusi kopi arabika organik terhadap pendapatan petani kopi di Kabupaten Jayawijaya/Wamaer, D.; Nggobe, M.; Limbongan, J. (Balai Pengkajian Teknologi Pertanian Papua, Jayapura (Indonesia)). [Proceedings of the national seminar and expose of agricultural research results. Book 2]. Prosiding seminar nasional dan ekspose hasil penelitian. Buku 2/Syam, A.; Hadadde, I.; Sutisna, E.; Mustaha, M.A.; Rusastra, I W. (eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2006: p. 535-541 2 tables; 10 ref.

631.152/SEM/p bk.2

COFFEA ARABICA; ORGANIC AGRICULTURE; FARMING SYSTEMS; FARM INCOME; SOCIOECONOMIC ENVIRONMENT; PRODUCTIVITY; IRIAN JAYA.

071 WASITO. Family role of labor's sugar cane plantation in sheep development in Kuala Begumit and Goat in Klumpang (Deli Serdang). Peran keluarga buruh perkebunan tebu dalam pengembangan domba di Kuala Begumit dan Kambing di Klumpang perkebunan/Wasito; Khairiah (Balai Pengkajian Teknologi Pertanian Sumatera Utara, Medan (Indonesia)). [Proceedings of the national seminar on innovation and specific location technology transfer supporting agriculture revitalization. Book 2]. Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian. Buku 2/Sudana, W.; Moudar, D.; Jamil, A.; Yufdy, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S.(eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2007: p. 887-894 2 ill., 2 tables; 17 ref. 631.152/SEM/p bk.2

SHEEP; GOATS; ANIMAL PRODUCTION; FARMS; LIVESTOCK MANAGEMENT; INNOVATION ADOPTION; TRADITIONAL TECHNOLOGY; FAMILY LABOUR; PARTICIPATION; SUMATRA.

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FARMERS; WOMEN; FARMING SYSTEMS; PLANNING; FARM INCOME.

073 WITJAKSONO, J. [Integrated cashew plant management as intensification pattern of resource diversification in Southeast Sulawesi . Pengelolaan tanaman terpadu jambu mete sebagai pola intensifikasi diversifikasi sumberdaya di Sulawesi Tenggara/Witjaksono, J.; Sulle, A.; Hadede, I. (Balai Pengkajian Teknologi Pertanian Sulawesi

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ANACARDIUM OCCIDENTALE; INTEGRATED PLANT PRODUCTION; INTENSIFICATION; DIVERSIFICATION; AGROINDUSTRIAL SECTOR; PRODUCTION INCREASE; FARM INCOME; INNOVATION; SUSTAINABILITY; SULAWESI.

074 YUSUF. [Beef cattle development in Southeast Sulawesi]. Pengembangan sapi potong di Sulawesi Tenggara/Yusuf (Balai Pengkajian Teknologi Pertanian Gorontalo, (Indonesia)); Rusman, M.; Sahara, D.; Syam, A.[Proceedings of the national seminar and expose of agricultural research results. Book 2]. Prosiding seminar nasional dan ekspose hasil penelitian. Buku 2/Syam, A.; Hadadde, I.; Sutisna, E.; Mustaha, M.A.; Rusastra, I W. (eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2006: p. 603-609 5 tables; 10 ref. 631.152/SEM/p bk.2

BEEF CATTLE; DEVELOPMENT POLICIES; ANIMAL HUSBANDRY METHODS; EXTENSIVE HUSBANDRY; TRADITIONAL TECHNOLOGY; INBREEDING; TECHNOLOGY TRANSFER; BREEDING METHODS; SULAWESI.

E21 AGRO - INDUSTRY / AGRO-INDUSTRI

075 HARDIANTO, R. Study on the potency of the development and growth of corn and cassava processing activities in Tuban . Studi potensi pengembangan dan penumbuhan usaha pengolahan jagung (*Zea mays*) dan ubikayu (*Manihot utilissima*) di Kabupaten Tuban/Hardianto, R.; Suhardjo; Suhardi (Balai Pengkajian Teknologi Pertanian Jawa Timur, Malang (Indonesia); Kurniawan, S. Buletin Teknologi dan Informasi Pertanian-BPTP

Jawa Timur (Indonesia). ISSN 1410-8976 (2006) v. 9 p. 52-68 6 ill., 13 ref.

MAIZE; CASSAVA; FOOD TECHNOLOGY; PROCESSING; COTTAGE INDUSTRY; PROXIMATE COMPOSITION; ORGANOLEPTIC ANALYSIS; ECONOMIC ANALYSIS; JAVA.

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MALAYSIA; INDUSTRIALIZATION; AGRICULTURE; AGRICULTURAL POLICIES; AGRICULTURAL DEVELOPMENT.

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TEA; PRODUCTION; EXPORTS; PRICES; AGROINDUSTRIAL SECTOR.

078 SOEWANTO, H. [Vegetable soybean agribusiness for export]. Agribisnis edamame untuk ekspor/Soewanto, H. (PT Mitra Tani Dua Tujuh, Jember (Indonesia)); Prasongko, A.; Sumarno.[Soybean: production and development technique]. Kedelai. teknik produksi dan pengembangan/Sumarno; Suyanto; Widjono, A.; Hermanto; Kasim, H.(eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor : Puslitbangtan, 2007: p. 416-443 6 tables; 13 ref.

633.34-115.1/PUS/k

GLYCINE MAX; AGROINDUSTRIAL SECTOR; CULTIVATION; HARVESTING; LAND SUITABILITY; PROCESSING; EXPORTS; PARTNERSHIPS.

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HYPERTENSION; MOUTH DISEASES;
CULTIVATION; POSTHARVEST
TECHNOLOGY.

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CITRUS; MARKETING MARGINS; COMMODITY MARKETS; MARKETING CHANNELS; FARMERS; MERCHANTS; WHOLESALE MARKETING; RETAIL MARKETING; SUPERMARKETS; SUMATRA.

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SOYBEANS; INTERNATIONAL TRADE;
TRADE AGREEMENT; TRADE POLICIES;
TRADE LIBERALIZATION; INDONESIA.

**E80 HOME ECONOMICS, INDUSTRIES AND CRAFTS /
EKONOMI RUMAH TANGGA,
INDUSTRI RUMAH TANGGA
DAN KERAJINAN TANGAN**

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SUMATRA.

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RAINFED FARMING; PRODUCTION
INCREASE; CULTIVATION;
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CONTROL; DISEASE CONTROL;
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GOSSYPIMUM; CULTIVATION; PLANTING DATE; SEED CERTIFICATION; HIGH YIELDING VARIETIES; MULCHING; SLOW RELEASE FERTILIZERS; WEEDING; INTEGRATED CONTROL; TECHNOLOGY TRANSFER; FARMERS ASSOCIATIONS; SULAWESI.

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HEVEA BRASILIENSIS; CULTIVATION; COVER PLANTS; MUCUNA; PLANT LITTER; SOIL STRUCTURE; SOIL FERTILITY; SOIL WATER CONTENT; SOIL MICROORGANISMS; SOIL CHEMICOPHYSICAL PROPERTIES.

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LEUCAENA LEUCOCEPHALA; SPECIES; FORAGE; FEED CROPS; ACID SOILS; LEAVES; PRODUCTION.

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SEED; VIABILITY; GROWTH; YIELDS.

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SYSTEMS; DRY FARMING; HIGHLANDS;
SLOPING LAND; JAVA.

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CULTIVATION; PRODUCTION;
INDONESIA.

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INCREASE; LAND SUITABILITY;
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PUERARIA PHASEOLOIDES; INDUCED
FLOWERING; PLANT GROWTH
SUBSTANCES; PACLOBUTRAZOL; NAA;

SEED; VIABILITY; SEED PRODUCTION;
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ALEURITES MOLUCCANA;
CULTIVATION; PLANT PROPAGATION;
PLANTING; HARVESTING.

F02 PLANT PROPAGATION / PER-BANYAKAN TANAMAN

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MEDIA; ADSORPTION; GROWTH.

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THEOBROMA CACAO; GRAFTING;
PLANT POPULATION; DISEASE
RESISTANCE; PEST RESISTANCE; FRUIT
DAMAGING INSECTS; PHYTOPHTHORA;

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ORNAMENTAL PLANTS;
CHRYSANTHEMUM; CUT FLOWERS; IN
VITRO CULTURE; PLANT
PROPAGATION; TISSUE CULTURE;
EXPLANTS.

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ESSENTIAL OILS; PLANT
PROPAGATION; UREA; SHOOTS; IN
VITRO CULTURE; CULTURE MEDIA.

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ANACARDIUM OCCIDENTALE;
CLONES; SCIONS; GERMLASM
COLLECTIONS; REPLANTING;
AGRONOMIC CHARACTERS;
FLOWERING; FRUITING; YIELD
COMPONENTS; SULAWESI.

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THEOBROMA CACAO; GRAFTING; PLASTICS; GRAFTING TOOLS; METHODS; BRANCHES; LEAVES.

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BRASSICA OLERACEA CAPITATA; FARMING SYSTEMS; FERTILIZERS; FORMULATIONS; DOSAGE EFFECTS; PRODUCTION; ECONOMIC ANALYSIS; HIGHLANDS; SUMATRA.

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COMPOUND FERTILIZERS; FERTILIZER
APPLICATION; YIELDS; GROWTH.

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GROWTH SUBSTANCES; YIELD
COMPONENTS.

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FOLIAR APPLICATION; FERTILIZER
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COMPONENTS.

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NUCIFERA; PRODUCTION; ECONOMIC
ANALYSIS.

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F06 IRRIGATION / IRIGASI

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F08 CROPPING PATTERNS AND SYSTEMS/ POLA TANAM DAN SISTEM PERTANAMAN

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LIVESTOCK; ORYZA SATIVA; AGROPASTORAL SYSTEMS; INTEGRATED PLANT PRODUCTION; FARMERS; PARTICIPATIONS; RAPID RURAL APPRAISAL; FARM INCOME; SUMATRA.

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GOSSYPIMUM HIRSUTUM; CROP MANAGEMENT; FARMING SYSTEMS; SUSTAINABILITY; FARM INCOME; PRODUCTIVITY; AGROINDUSTRIAL SECTOR; FARMERS ASSOCIATIONS; TECHNOLOGY TRANSFER; SULAWESI.

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ORYZA SATIVA; BEEF CATTLE; AGROPASTORAL SYSTEMS; INTEGRATION; INTEGRATED PLANT PRODUCTION; PRODUCTIVITY; WEIGHT GAIN; PROFITABILITY; IRIAN JAYA.

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CROPS; LIVESTOCK; AGROPASTORAL SYSTEMS; FARMERS; PARTICIPATION;

BEHAVIOUR; INNOVATION;
TECHNOLOGY TRANSFER; FERTILIZER
TECHNOLOGY; COMPOSTING;
TECHNOLOGICAL CHANGES;
SULAWESI.

146 RUSMAN, M. [Farmers response to integrated rice-livestock technology in Konawe Regency]. Respon petani terhadap teknologi integrasi padi-ternak di Kabupaten Konawe/Rusman, M.; Idris (Balai Pengkajian Teknologi Pertanian Sulawesi Tenggara, Kendari (Indonesia)). [Proceedings of the national seminar and expose of agricultural research results. Book 2]. Prosiding seminar nasional dan ekspose hasil penelitian. Buku 2/Syam, A.; Hadadde, I.; Sutisna, E.; Mustaha, M.A.; Rusastra, I W. (eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2006: p. 625-633 4 tables; 2 ref. 631.152/SEM/p bk.2

ORYZA SATIVA; CATTLE;
AGROPASTORAL SYSTEMS; FARMERS;
TECHNOLOGY TRANSFER; COMPOSTS;
RICE STRAW; ANIMAL HEALTH;
ANIMAL HOUSING; FARM INCOME;
SOCIOECONOMIC ENVIRONMENT;
SULAWESI.

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GOATS; CASSAVA; FARMS;
AGROPASTORAL SYSTEMS;
INTEGRATION; ECONOMIC ANALYSIS;

EFFICIENCY; COST BENEFIT ANALYSIS;
SUMATRA.

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MEDICINES; KALIMANTAN.

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164 NOVARIANTO, H. Lauric acid profile of various coconut varieties as raw material for VCO . Kandungan asam laurat pada berbagai varietas kelapa sebagai bahan baku VCO/ Novarianto, H.; Tulalo, M. (Balai Penelitian Tanaman kelapa dan Palma Lain, Manado (Indonesia)). Jurnal Penelitian Tanaman Industri (Indonesia). ISSN 0853-8212 (2007) v. 13(1) p. 27-32 4 tables; 9 ref.

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165 ROHDIANA, D. Determination of water extract and green tea fractions (*Camellia sinensis* (L.) Kuntze) on activity of acne caused bacterial (*Propionibacterium acnes* and *Staphylococcus aureus*). Pengujian ekstrak air dan fraksi-fraksi daun teh hijau (*Camellia sinensis* (L.) Kuntze) terhadap aktivitas bakteri penyebab jerawat (*Propionibacterium acnes* dan *Staphylococcus aureus*)/Rohdiana, D. (Pusat Penelitian Teh dan Kina, Gambung (Indonesia)); Agustini, R.; Alatas, F. Jurnal Penelitian Teh dan Kina (Indonesia). ISSN 1410-6507 (2007) v. 10(1-2) p. 44-50 3 tables; 20 ref.

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TANAMAN - HARA**

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167 MELATI. [Cinnamon: multi use plant]. Kayu manis multi guna/Melati; Rusmin, D. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Tanaman Industri (Indonesia). ISSN 0853-8204 (2006) v. 12(2) p. 29-31 1 tables

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**F62 PLANT PHYSIOLOGY -
GROWTH AND DEVELOPMENT/
FISILOGI TANAMAN -
PERTUMBUHAN DAN PER-
KEMBANGAN**

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GERMINATION; SEEDS; GROWING
MEDIA; COMPOSTS; GROWTH.

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633.34-115.1/PUS/k

GLYCINE MAX; GROWTH;
PRODUCTION; ADAPTATION;
TEMPERATURE; SOIL MOISTURE
CONTENT; TROPICS.

F70 PLANT TAXONOMY AND GEOGRAPHY / TAKSONOMI TANAMAN DAN SEBARAN GEOGRAFIS

173 KHAIRIAH. Crop type cancer medicin which there are in North Sumatra . Jenis tanaman obat kanker yang terdapat di Sumatera Utara/Khairiah (Balai Pengkajian Teknologi Pertanian Sumatera Utara, Medan (Indonesia)).[Proceedings of the national seminar on innovation and specific location technology transfer supporting agriculture revitalization. Book 2]. Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian. Buku 2/Sudana, W.; Moudar, D.; Jamil, A.; Yufdy, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S. (eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2007: p. 574-580 9 ref.
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MEDICINES; NEOPLASMS; MEDICINAL
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JAVA.

175 NAIOLA, B.P. Diurnal water potential fluctuations of gewang (*Corypha gebanga* Lamk.), an evergreen plant species in savanna area of East Nusa Tenggara . Fluktuasi potensial air harian gewang (*Corypha gebanga* Lamk.), jenis tumbuhan hijau abadi di savanna NTT/Naiola, B.P. (Pusat Penelitian Biologi-LIPI, Bogor (Indonesia)). Berita Biologi (Indonesia). ISSN 0126-1754 (2006) v. 8(1) p. 75-82 3 ill., 1 table; 16 ref.

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RESISTANCE; SAVANNAS; NUSA
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H10 PESTS OF PLANTS / HAMA TANAMAN

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SPECIES; BIODIVERSITY; SUMATRA.

177 ASAAD, M. [Assessment of fruit fly, *Bactrocera dorsalis* integrated control on mango : case study in Takalar, South Sulawesi]. Kajian pengendalian terpadu lalat buah, *Bactrocera dorsalis*, pada tanaman mangga : studi kasus di Kabupaten Takalar, Sulawesi Selatan/Asaad, M.; Warda; Aidar, G. (Balai Pengkajian Teknologi Pertanian Sulawesi Selatan, Makassar (Indonesia)). Jurnal Pengkajian dan Pengembangan Teknologi Pertanian (Indonesia). ISSN 1410-959X (2007) v. 10(1) p. 1-10 9 tables; 12 ref.

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INDUSTRIAL CROPS; FOOD CROPS; HORTICULTURE; BOTANICAL PESTICIDES; CHRYSANTHEMUM CINARARIAEFOLIUM; AZADIRACHTA INDICA; MELALEUCA; DIOSCOREA; DERRIS; APPLICATION RATES; PEST CONTROL.

179 DJAMALUDDIN, R. [Effect of cocoa pod borer on the yield losses of *Theobroma cacao*]. Kehilangan hasil akibat hama penggerek buah kakao/Djamaluddin, R.; Sjafaruddin, M. (Balai Pengkajian Teknologi Pertanian Sulawesi Selatan, Makassar (Indonesia)).[Proceedings of the national seminar and expose of agricultural research results. Book 2]. Prosiding seminar nasional dan ekspos hasil penelitian. Buku 2/Syam, A.; Hadadde, I.; Sutisna, E.; Mustaha, M.A.; Rusastra, I W. (eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2006: p. 429-433 2 ill., 2 tables; 6 ref. 631.152/SEM/p bk.2

THEOBROMA CACAO; CONOPOMORPHA CRAMERELLA; FRUIT DAMAGING INSECTS; MIGRATORY PESTS; HARVESTING LOSSES; ECONOMIC INJURY LEVELS.

180 ELLA, A. [Gold snail control and its opportunity for animal feeds]. Pengendalian keong mas dan peluang sebagai pakan ternak/Ella, A.; Pasambe, D. (Balai

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GLYCINE MAX; INTEGRATED PEST CONTROL; PESTS OF PLANTS; ECOSYSTEMS.

183 MAWIKERE, J. [*Bronstispa longisima* attack on coconut in Parigi Mountong Regency, Central Sulawesi]. Serangan hama kelapa (*Bronstispa longisima*) di Kabupaten Parigi Mountong, Sulawesi Tengah/Mawikere, J.; Lolong, A.A. (Balai Penelitian Tanaman

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184 PRAYOGO, Y. Efforts in maintaining the effectiveness of entomopathogenic fungi to control insect pests on food crops. Upaya mempertahankan keefektifan cendawan entomopatogen untuk mengendalikan hama tanaman pangan/Prayogo, Y. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Jurnal Penelitian dan Pengembangan Pertanian (Indonesia). ISSN 0216-4418 (2006) v. 25(2) p. 47-54 8 ill., 2 tables; 57 ref.

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ORYZA SATIVA; VARIETIES; STEM EATING INSECTS; INFESTATION; PLANTING DATE; PARASITIDS; YIELDS.

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ANACARDIUM OCCIDENTALE; THEOBROMA CACAO; CLONES; INTEGRATED CONTROL; PHYTOPHTHORA PALMIVORA; FRUIT DAMAGING INSECTS; MIGRATORY PESTS; BEAUVERIA BASSIANA; PRUNING; PRODUCTION INCREASE; GENETIC RESISTANCE; FARM INCOME; SULAWESI.

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ANACARDIUM OCCIDENTALE; HELOPELTIS ANTONII; PESTS OF PLANTS; ENTOMOGENOUS FUNGI;

BIOLOGICAL CONTROL; INFESTATION; GROWTH.

H20 PLANT DISEASES / PENYAKIT TANAMAN

190 CORRYANTI. Development of arbuscular mycorrhizae and growth of teak (*Tectona grandis* Linn. F.) seedlings inoculated with spores of arbuscular mycorrhizae fungi originated from soil in teak forest. Perkembangan mikoriza arbuskula dan pertumbuhan bibit jati (*Tectona grandis* Linn. F.) yang diinokulasi spora fungi mikoriza arbuskula asal tanah hutan tanaman jati/Corryanti (Perum Perhutani, Yogyakarta (Indonesia)); Soedarsono, J.; Radjagukguk, B.; Widyastuti, S.M.. Jurnal Pemuliaan Tanaman Hutan (Indonesia). ISSN 1693-7147 (2007) v. 1(2) p. 51-61 3 ill., 22 ref.

TECTONA GRANDIS; GIGASPORA; GLOMUS; GROWTH; INNOCULATION; SEEDLINGS; VESICULAR ARBUSCULAR MYCORRHIZAE.

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FUSARIUM; MICROBIAL PESTICIDES; TRICHODERMA ; DURATION.

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against *Fusarium* wilt disease in banana cv ambon hijau. Induksi mutasi dan seleksi in vitro menggunakan asam fusarat untuk ketahanan penyakit layu pada pisang ambon hijau /Lestari, E.G.; Mariska, I.; Roostika, I.; Kosmiatin, M. (Balai Besar Penelitian dan Pengembangan Bioteknologi dan Sumber Daya Genetik Pertanian, Bogor (Indonesia)). Berita Biologi (Indonesia). ISSN 0126-1754 (2006) v. 8(1) p. 27-35 3 ill., 6 tables; 30 ref.

MUSA PARADISIACA; VARIETIES; FUSARIUM OXYSPORUM; IN VITRO SELECTION; INDUCED MUTATION; GENETIC VARIATION; DISEASE RESISTANCE.

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195 NONCI, N. Biology and intrinsic growth rate of earwig (*Euborellia annulata*)/Nonci, N. (Balai Penelitian Serealia, Maros (Indonesia)). Indonesian Journal of Agricultural Science (Indonesia). ISSN 1411-982x (2005) v. 6(2) p. 69-74 5 ill., 6 tables; 14 ref.

ZEA MAYS; VARIETIES; STEM EATING INSECTS; OSTRINIA FURNACALIS; INFESTATION; PARASITOIDS; PREDATORS; BIOLOGICAL DEVELOPMENT.

196 QODRIYAH, L. [Quick detection of prunus necrotic ring-spot virus on *Rosa hybrida* by using direct ELISA method]. Deteksi cepat prunus necrotic ring-spot virus pada tanaman mawar (*Rosa hybrida*) dengan metode ELISA secara langsung/Qodriyah, L. ; Muhit, A. (Balai Penelitian Tanaman Hias, Cianjur (Indonesia)). Buletin Teknik Pertanian (Indonesia). ISSN 0853-8379 (2006) v. 11(1) p. 9-11 2 ill., 1 table ; 5 ref.

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197 RAYATI, D.J. Effectiveness of nutrient application on development of blister blight disease (*Exobasidium vexans*) infection on tea. Efektivitas aplikasi nutrisi terhadap perkembangan infeksi penyakit cacar (*Exobasidium vexans*) pada tanaman teh/Rayati, D.J. (Pusat Penelitian Teh dan Kina, Gambung (Indonesia)). Jurnal Penelitian Teh dan Kina (Indonesia). ISSN 1410-6507 (2007) v. 10(1-2) p. 15-24 2 ill., 3 tables; 17 ref.

CAMELLIA SINENSIS; NUTRIENTS; APPLICATION RATES; EXOBASIDIUM; INFECTION; PHYLOSOPHERE. EN, IN.

198 RAYATI, D.J. Study of the community of saprophytic microorganisms on tea phyllosphere. Studi komunitas mikroorganisme saprofit pada filosfer teh/Rayati, D.J. (Pusat Penelitian Teh dan Kina, Gambung (Indonesia)). Jurnal Penelitian Teh dan Kina (Indonesia). ISSN 1410-6507 (2007) v. 10(1-2) p. 1-14 5 ill., 7 tables; 19 ref.

CAMELLIA SINENSIS; MICRO-ORGANISMS; PHYLOSOPHERE; BIODIVERSITY; ENVIRONMENT.

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633.34-115.1/PUS/k

GLYCINE MAX; PLANT DISEASES; INTEGRATED CONTROL; PATHOGENS.

200 SURYADI, Y. Detection of *Pseudomonas syringae* pv. glycinea (PSG) using polyclonal antibody and NCM-ELISA. Deteksi *Pseudomonas syringae* pv. glycinea (PSG) menggunakan antibodi poliklonal dan NCM-ELISA/Suryadi, Y.; Machmud, M. (Balai Besar Penelitian dan Pengembangan Bioteknologi dan Sumber Daya Genetik Pertanian, Bogor (Indonesia)). Berita Biologi

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VANILLA PLANIFOLIA; FUSARIUM OXYSPORUM; DISEASE CONTROL; TECHNOLOGY.

H60 WEEDS AND WEED CONTROL/ GULMA DAN PENGENDALIAN GULMA

202 DARANA, S. Effectivity of pre-emergence bioherbicide on the growth on weed in tea plantation. Efektivitas formulasi bioherbisida pratumbuh terhadap pertumbuhan gulma di perkebunan teh/Darana, S. (Pusat Penelitian Teh dan Kina, Gambung (Indonesia)). Jurnal Penelitian Teh dan Kina (Indonesia). ISSN 1410-6507 (2007) v. 10(1-2) p. 25-31 2 tables; 16 ref.

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633.34-115.1/PUS/k

GLYCINE MAX; WEED CONTROL;
MECHANICAL CONTROL; CHEMICAL
CONTROL; BIOLOGICAL CONTROL.

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SACCHARUM OFFICINARUM;
VARIETIES; HERBICIDES RESIDUES;
ATRAZINE; DIURON; SOIL TYPES;
RESISTANCE TO CHEMICALS.

**J11 HANDLING, TRANSPORT,
STORAGE AND PROTECTION OF
PLANT PRODUCTS / PE-
NANGANAN, TRANSPOR, PE-
NYIMPANAN DAN PERLINDUNG-
AN HASIL TANAMAN**

205 RACHMAT, R. Effect of some technology components in rice milling process on physical quality of milled rice. Pengaruh beberapa komponen teknologi proses pada penggilingan padi terhadap mutu fisik beras /Rachmat, R.; Sudaryono; Thahir, R. (Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian, Bogor (Indonesia)). Jurnal Enjiniring Pertanian (Indonesia) . ISSN 1693-2900 (2006) v. 4(2) p. 65-72 1 ill., 12 tables; 12 ref.

RICE; HUSKS; QUALITY; MILLING;
PROCESSING; QUALITY.

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633.34-115.1/PUS/k

SOYBEANS; POSTHARVEST
TECHNOLOGY; HARVESTING DATE;
DRYING; DRYERS; THRESHING;
GRADING.

207 TISNAWATI. [Technical method for lengthen storage time of alpinia flowers]. Teknik memperpanjang masa simpan bunga potong alpinia/Tisnawati (Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian, Bogor (Indonesia)). Buletin Teknik Pertanian (Indonesia). ISSN 0853-8379 (2005) v. 10(1) p. 39-42 4 tables; 11 ref.

ALPINIA; CUT FLOWERS;
PRESERVATIVES; STORAGE; KEEPING
QUALITY.

**K10 FORESTRY PRODUCTION / PRO-
DUKSI KEHUTANAN**

208 BOERHENDHY, I. Rubber wood potency in supporting replanting of rubber smallholdings. Potensi pemanfaatan kayu karet untuk mendukung peremajaan perkebunan karet rakyat/Boerhendhy, I.; Agustina, D.S. (Balai Penelitian Sembawa (Indonesia)). Jurnal Penelitian dan Pengembangan Pertanian (Indonesia). ISSN 0216-4418 (2006) v. 25(2) p. 61-64 3 ill., 1 table; 29 ref.

RUBBER; WOOD; WOOD INDUSTRY;
REPLANTING; SMALL FARMS.

209 SIARUDIN, M. Characteristic and variation of *Acacia mangium* Willd. wood physical properties in many plantation spacings and axial-radial position. Karakteristik dan variasi sifat fisik kayu *Acacia mangium* Willd. pada beberapa jarak tanam dan kedudukan aksial-radial/Siarudin, M. (Balai Penelitian Kehutanan, Ciamis (Indonesia)); Marsoem, S.N.. Jurnal Pemuliaan Tanaman Hutan (Indonesia). ISSN 1693-7147 (2007) v. 1(1) p. 1-13 7 ill., 4 tables; 16 ref.

ACACIA MANGIUM; DENSITY;
MOISTURE CONTENT; FOREST
PLANTATIONS; CHEMICOPHYSICAL
PROPERTIES.

210 SUDOMO, A. Growth of *Gmelina arborea* Linn seedling by using michoriza, enrichment organic fertilizer and wood

vinegar. Pertumbuhan semai *Gmelina arborea* Linn dengan pemberian mikoriza, pupuk organik diperkaya dan cuka kayu/Sudomo, A.; Hani, A.; Suhaendah, E. (Balai Penelitian Kehutanan, Ciamis (Indonesia)). Jurnal Pemuliaan Tanaman Hutan (Indonesia). ISSN 1693-7147 (2007) v. 1(2) p. 73-80 1 ill., 2 tables; 14 ref.

GMELINA ARBOREA; SEEDLINGS; FERTILIZER APPLICATION; ORGANIC FERTILIZERS; VINEGAR; WOOD; GROWTH.

L01 ANIMAL HUSBANDRY / PETERNAKAN

211 ABUBAKAR. Technology of slaughter, handling poultry meat and also applying HACCP (Hazard Analysis Critical Control Point) socializing in traditional RPA (Chicken Slaughterhouse). Teknologi pemotongan dan penanganan daging unggas serta sosialisasi penerapan HACCP (Hazard Analysis Critical Control Point) di RPA (Rumah Potong Ayam) tradisional/Abubakar (Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian, Bogor (Indonesia)).[Proceedings of the national seminar on innovation and specific location technology transfer supporting agriculture revitalization. Book 2]. Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian. Buku 2/Sudana, W. ; Moudar, D.; Jamil, A.; Yufdy, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S.(eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2007: p. 699-708 1 ill., 18 ref.

631.152/SEM/p bk.2

CHICKENS; SLAUGHTERING; HANDLING; POULTRY MEAT; TRADITIONAL TECHNOLOGY; CARCASSES; ABATTOIR BYPRODUCTS; HACCP; MEAT HYGIENE.

212 NAZIR, D. [Development model of Sigutiwaskat revolving system on Sei Putih Sheep to empower farmers]. Model pengembangan domba Sei Putih Sigutiwaskat untuk pemberdayaan petani/Nazir, D. ; Ramija, K.E.; Chairuman, N.; Khairiah(Balai Pengkajian Teknologi Pertanian Sumatera Utara, Medan (Indonesia)).[Proceedings of the national seminar on innovation and specific

location technology transfer supporting agriculture revitalization. Book 2]. Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian. Buku 2/Sudana, W. ; Moudar, D.; Jamil, A.; Yufdy, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S.(eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2007: p. 709-714 3 ill., 1 table; 8 ref.

631.152/SEM/p bk.2

SHEEP; ANIMAL PRODUCTION; FARMS; FARMERS ASSOCIATIONS; CREDIT; CAPITAL; MONITORING; SUSTAINABILITY.

213 SARIMAN. Development of duck livestock at Prima Tani area of intensive irrigated field in Asahan District . Pengembangan ternak itik di kawasan Prima Tani lahan sawah intensif Kabupaten Asahan/Sariman; Haloho, L. (Balai Pengkajian Teknologi Pertanian Sumatera Utara, Medan (Indonesia)).[Proceedings of the national seminar on innovation and specific location technology transfer supporting agriculture revitalization. Book 2]. Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian. Buku 2/Sudana, W. ; Moudar, D.; Jamil, A.; Yufdy, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S.(eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2007: p. 683-688 4 tables; 9 ref.

631.152/SEM/p bk.2

DUCKS; ANIMAL HUSBANDRY METHODS; INTENSIVE HUSBANDRY; STABLES; FEEDS; FARMERS ASSOCIATIONS; FARM INCOME; EGG PRODUCTION; IRRIGATED LAND; SUMATRA.

214 SILALAH, M. Improvement kacang goat management in dryland of Buana Sakti Village Batang Hari Sub District Lampung Timur Regency . Perbaikan tatalaksana pemeliharaan ternak kambing kacang di lahan kering Desa Buana Sakti Kab.Lampung Timur/Silalah, M.; Tambunan, R.D.; Basri, E. (Balai Pengkajian Teknologi Pertanian Lampung, Bandar Lampung (Indonesia)).[Proceedings of the national

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631.152/SEM/p bk.2

GOATS; ANIMAL HUSBANDRY METHODS; ANIMAL HOUSING; FLUSHING; BIRTH RATE; LITTER SIZE; BIRTH WEIGHT; WEIGHT GAIN; ARID ZONES; DRY FARMING; SUMATRA.

215 YENNI-YUSRIANI. Characteristic of goat raising system on coastal area at Pidie District Nanggroe Aceh Darussalam Province . Karakteristik sistem pemeliharaan kambing di daerah pesisir Kabupaten Pidie Provinsi NAD/Yenni-Yusriani; Iskandar-Mirza; Aziz, A. (Balai Pengkajian Teknologi Pertanian Nanggroe Aceh Darussalam, Banda Aceh (Indonesia)).[Proceedings of the national seminar on innovation and specific location technology transfer supporting agriculture revitalization. Book 2]. Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian. Buku 2/Sudana, W. ; Moudar, D.; Jamil, A.; Yufdy, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S.(eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2007: p. 653-660 7 tables; 11 ref.

631.152/SEM/p bk.2

GOATS; ANIMAL HUSBANDRY; REARING TECHNIQUES; ANIMAL BREEDERS; STALLS; TRADITIONAL TECHNOLOGY; SMALL FARMS; COASTS; SUMATRA.

L02 ANIMAL FEEDING / PAKAN HEWAN

216 GINTING, S. P. [Productivity of *Paspalum guenoarum* and *Brachiaria ruziziensis* in the citrus plantate on and estimation of carrying capacity for goats]. Produktivitas *Paspalum guenoarum* dan

Brachiaria ruziziensis pada lahan jeruk dan estimasi daya dukung terhadap ternak kambing/Ginting, S.P. (Loka Penelitian Kambing Potong, Medan (Indonesia)). [Proceedings of the national seminar on innovation and specific location technology transfer supporting agriculture revitalization. Book 2]. Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian. Buku 2/Sudana, W. ; Moudar, D.; Jamil, A.; Yufdy, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S.(eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2007: p. 617-622 4 tables; 11 ref.

631.152/SEM/p bk.2

GOATS; CITRUS; PLANTATIONS; AGROPASTORAL SYSTEMS; FORAGE; PASPALUM; BRACHIARIA RUZIZIENSIS; PRODUCTIVITY; FARMYARD MANURE; PRODUCTION POSSIBILITIES.

217 GINTING, S.P. [Utilization of horticultural processed by product as an alternative for ruminant feeds]. Pemanfaatan limbah industri pengolahan hortikultura sebagai pakan alternatif ternak ruminansia/Ginting, S.P. (Loka Penelitian Kambing Potong, Medan (Indonesia)). [Proceedings of the national seminar on innovation and specific location technology transfer supporting agriculture revitalization. Book 2]. Prosiding seminar nasional novasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian. Buku 2/Sudana, W. ; Moudar, D.; Jamil, A.; Yufdy, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S.(eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2007: p. 623-629 3 ill., 4 tables; 8 ref.

631.152/SEM/p bk.2

RUMINANTS; CONCENTRATES; COMPLETE FEEDS; INDUSTRIAL WASTES; HORTICULTURE; BYPRODUCTS; WASTE UTILIZATION; SILAGE MAKING; FEED CONVERSION EFFICIENCY; PROXIMATE COMPOSITION.

218 HASNELLY, Z. [Effect of protein level decreasing- feed energy on the morning to the performance of merawang chicken in growth

periods] . Pengaruh penurunan tingkat protein-energi ransum pada pagi hari terhadap kinerja ayam merawang masa pertumbuhan/Hasnelly, Z.; Riyanto, A.; Nuraini (Balai Pengkajian Teknologi Pertanian Bangka Belitung (Indonesia)). [Proceedings of the national seminar on innovation and specific location technology transfer supporting agriculture revitalization. Book 2]. Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian. Buku 2/Sudana, W.; Moudar, D.; Jamil, A.; Yufdy, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S.(eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2007: p. 588-596 2 ill., 7 tables; 11 ref.

631.152/SEM/p bk.2

CHICKENS; GROWTH PERIOD; FEEDING LEVEL; ENERGY CONSUMPTION; NUTRITIVE VALUE; FEED INTAKE; WEIGHT GAIN; FEED CONVERSION EFFICIENCY; FEED CONSUMPTION.

219 ISKANDAR-MIRZA. Utilization of hay fermented as feeding cattle in crop-livestock system of Nanggroe Aceh Darussalam Province . Pemanfaatan jerami fermentasi sebagai pakan sapi pada lahan sawah di Provinsi Nanggroe Aceh Darussalam/ Iskandar-Mirza; Yenni-Yusriani; Aziz, A. (Balai Pengkajian Teknologi Pertanian Nanggroe Aceh Darussalam, Banda Aceh (Indonesia)).[Proceedings of the national seminar on innovation and specific location technology transfer supporting agriculture revitalization. Book 2]. Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian. Buku 2/Sudana, W. ; Moudar, D.; Jamil, A.; Yufdy, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S.(eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2007: p. 645-652 4 tables; 9 ref.

631.152/SEM/p bk.2

BEEF CATTLE; FEEDS; RICE STRAW; FERMENTATION; RATIONS; NUTRITIVE VALUE; PROXIMATE COMPOSITION; FEED CONVERSION EFFICIENCY; WEIGHT GAIN; SUMATRA.

220 ISKANDAR-MIRZA. Utilization of various type of food as feeding goats in Nanggroe Aceh Darussalam Province . Pemanfaatan berbagai jenis pakan kambing potong di Provinsi Nanggroe Aceh Darussalam/ Iskandar-Mirza; Yenni-Yusriani; Azis, A. (Balai Pengkajian Teknologi Pertanian Nanggroe Aceh Darussalam, Banda Aceh (Indonesia)).[Proceedings of the national seminar on innovation and specific location technology transfer supporting agriculture revitalization. Book 2]. Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian. Buku 2/Sudana, W. ; Moudar, D.; Jamil, A.; Yufdy, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S. (eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2007: p. 639-644 4 tables; 11 ref.

631.152/SEM/p bk.2

GOATS; FEEDS; FEEDING PREFERENCES; FEED CONVERSION EFFICIENCY; FEED INTAKE; WEIGHT GAIN; SUMATRA.

221 JAYANEGARA, A. [Fermentability and digestibility of agroindustrial waste rations by *in vitro* supplemented by chromium]. Fermentabilitas dan pencernaan *in vitro* ransum limbah agroindustri yang disuplementasi kromium anorganik dan organik/Jayanegara, A.; Tjakradidjaja, A.S.; Sutardi, T. (Institut Pertanian Bogor (Indonesia). Fakultas Peternakan). Media Peternakan (Indonesia). ISSN 0126-0472 (2006) v. 29(2) p. 54-62 4 tables; 19 ref.

RATIONS; IN VITRO; AGRICULTURAL WASTES; SUPPLEMENTS; CHROMIUM; FERMENTATION; DIGESTIBILITY.

222 NOVITA, C.I. [Effect of fermented rice straw based rations on the productivity of etawah goats]. Produktivitas kambing peranakan etawah yang diberi ransum berbasis jerami padi fermentasi/Novita, C.I. (Universitas Syah Kuala, Banda Aceh (Indonesia)); Sudono, A.; Utama, I.K.; Toharmat, T.. Media Peternakan (Indonesia). ISSN 0126-0472 (2006) v. 29(2) p. 97-106 3 ill., 6 tables; 19 ref.

GOATS; RATIONS; RICE STRAW; FERMENTED PRODUCTS;

DIGESTIBILITY; WEIGHT GAIN;
GROWTH; GOAT MILK; QUALITY.

223 PURWANTARI, N.D. Use of upland tea plantation area for forage production in supporting livestock industry. Pemanfaatan lahan bekas perkebunan di dataran tinggi untuk pengembangan tanaman pakan ternak/Purwantari, N. D.; Lubis, D. (Balai Penelitian Ternak, Bogor (Indonesia)); Isdiyanto. *Jurnal Penelitian Teh dan Kina (Indonesia)*. ISSN 1410-6507 (2007) v. 10(1-2) p. 32-43 2 ill., 9 tables; 11 ref.

CAMELLIA SINENSIS; PLANTATIONS;
LAND USE; UPLAND SOILS; FORAGE;
FEEDS; LIVESTOCK. EN, IN.

L10 ANIMAL GENETICS AND BREEDING / GENETIKA DAN PEMULIAAN HEWAN

224 BUSTAMI. Genetic improvement of local goats through the introduction of etawah hybrid billy goat in Muara Jambi Regency. Perbaikan genetik kambing lokal dengan introduksi pejantan peranakan etawah (PE) di Kabupaten Muara Jambi/Bustami (Balai Pengkajian Teknologi Pertanian Jambi (Indonesia)). [Proceedings of the national seminar on innovation and specific location technology transfer supporting agriculture revitalization. Book 2]. Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian. Buku 2/Sudana, W.; Moudar, D.; Jamil, A.; Yufdy, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S. (eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2007: p. 602-605 2 tables; 5 ref. 631.152/SEM/p bk.2

GOATS; HYBRIDS; BREEDING
METHODS; INTRODUCED BREEDS;
COPULATION; WEANING WEIGHT;
MORTALITY; POSTWEANING PERIOD;
SUMATRA.

225 HASNELLY, Z. [Heritability estimation merawang chicken in growth periods]. Estimasi heritabilitas ayam merawang pada masa pertumbuhan/Hasnelly, Z. (Balai Pengkajian Teknologi Pertanian Bangka Belitung (Indonesia)). [Proceedings of the national seminar on innovation and specific

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631.152/SEM/p bk.2

CHICKENS; COPULATION;
HERITABILITY; GENETIC
CORRELATION; GENETIC
COVARIANCE; GROWTH PERIOD.

226 KHAIRIAH. Arab chicken characteristic and development technology in North Sumatra. Karakteristik ayam arab dan teknologi pengembangannya di Sumatera Utara/Khairiah; Wasito (Balai Pengkajian Teknologi Pertanian Sumatera Utara, Medan (Indonesia)). [Proceedings of the national seminar on innovation and specific location technology transfer supporting agriculture revitalization. Book 2]. Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian. Buku 2/Sudana, W.; Moudar, D.; Jamil, A.; Yufdy, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S. (eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2007: p. 661-668 1 ill., 6 tables; 22 ref.

631.152/SEM/p bk.2

CHICKENS; DOMESTIC ANIMALS;
PHENOTYPES; BEHAVIOUR; REARING
TECHNIQUES; LAYER CHICKENS;
DOMINANT GENES; BATTERY
HUSBANDRY; SUMATRA.

L52 ANIMAL PHYSIOLOGY - GROWTH AND DEVELOP- MENT / FISILOGI - PER- TUMBUHAN DAN PER- KEMBANGAN HEWAN

227 HAFID H., H. [Growth and distribution of carcass components of beef carcass from Australian Commercial cross and Brahman cross cattle]. Pertumbuhan dan distribusi potongan komersial karkas sapi Australian

Commercial Cross dan Brahman Cross hasil penggemukan/ Hafid H., H. (Universitas Haluoleo, Kendari (Indonesia). Fakultas Pertanian); Priyanto, R. Media Peternakan (Indonesia). ISSN 0126-0472 (2006) v. 29(2) p. 63-69 2 ill., 2 tables; 20 ref.
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228 SUTHAMA, N. [Study on the aspect of body: "protein Turnover" on the growth periode of kedu chicken]. Kajian aspek "protein Turnover" tubuh pada ayam kedu periode pertumbuhan /Suthama, N. (Universitas Diponegoro, Semarang (Indonesia). Fakultas Peternakan). Media Peternakan (Indonesia). ISSN 0126-0472 (2006) v. 29(2) p. 47-53 3 tables; 13 ref.

CHICKENS; PROTEINS; GROWTH; DIETS; RATINGS; PROXIMATE COMPOSITION.

L53 ANIMAL PHYSIOLOGY - RE-PRODUCTION / FISILOGI-REPRODUKSI HEWAN

229 SURETNO, N.D. [Assessment of Cihateup duck semen quality] . Kajian kualitas sperma itik Cihateup/Suretno, N.D. (Balai Pengkajian Teknologi Pertanian Lampung, Bandar Lampung (Indonesia)). [Proceedings of the national seminar on innovation and specific location technology transfer supporting agriculture revitalization. Book 2]. Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian. Buku 2/Sudana, W. ; Moudar, D.; Jamil, A.; Yufdy, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S.(eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2007: p. 606-609 2 tables; 5 ref.
631.152/SEM/p bk.2

DUCKS; SEMEN; SEMEN COLLECTION; MOVEMENT; REPRODUCTIVE DISORDERS; REPRODUCTIVE PERFORMANCE; MICROSCOPY.

230 ZURRIYATI, Y. Response of Bali cow reproductivity at pattern integrated crop livestock system in Rokan Hulu Regency

Riau. Respon produktivitas sapi Bali pada pola pemeliharaan sistem integrasi dengan tanaman pangan di Kabupaten Rokan Hulu Riau/ Zurriyati, Y.; Irfan; Hidayat, D. (Balai Pengkajian Teknologi Pertanian Riau, Pekanbaru (Indonesia)).[Proceedings of the national seminar on innovation and specific location technology transfer supporting agriculture revitalization. Book 2]. Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian. Buku 2/Sudana, W. ; Moudar, D.; Jamil, A.; Yufdy, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S.(eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2007: p. 676-682 1 ill., 5 tables; 7 ref.

631.152/SEM/p bk.2

BEEF CATTLE; FOOD CROPS; AGROPASTORAL SYSTEMS; REARING TECHNIQUES; PREGNANCY; BODY WEIGHT; BIRTH WEIGHT; REPRODUCTIVE PERFORMANCE; WEIGHT GAIN.

L73 ANIMAL DISEASES/ PENYAKIT HEWAN

231 AKHMALOKA. Isolation and characterization of a novel thermostable DNA polymerase from *Bacillus thermophilus* A1 / Akhmaloka; Tika, I.N.; Nurbaiti, S.; Sindhumarta, M.; Madayanti, F. (Institut Teknologi Bandung, (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam) . Jurnal Mikrobiologi Indonesia (Indonesia). ISSN 0853-358X (2006) v. 11(2) p. 82-86 5 ill., 1 table; 29 ref.

THERMOPHILIC MICROORGANISMS; BACILLUS; ISOLATION; DNA; PURIFICATION.

232 ASTAWA, N.M. Spread of avian reovirus 1091 in cell cultures is inhibited by monoclonal antibodies against rho C protein /Astawa, N.M. (Universitas Udayana, Denpasar (Indonesia). Fakultas Kedokteran Hewan). Jurnal Mikrobiologi Indonesia (Indonesia). ISSN 0853-358X (2006) v. 11(2) p. 72-76 2 ill., 2 tables; 28 ref.

CHICKENS; AVIAN REOVIRUS; CELL CULTURE; MONOCLONAL ANTIBODIES; PROTEINS.

233 MARGAWATI, E.T. Production of recombinant protein J-Tat p-GEX derived from different re-transformed construct origins/Margawati, E.T.; Indriawati; Ridwan, M. (Pusat Penelitian Bioteknologi- LIPI, Bogor (Indonesia)). Jurnal Mikrobiologi Indonesia (Indonesia). ISSN 0853-358X (2006) v. 11(2) p. 91-94 2 ill., 1 table; 12 ref.

BEEF CATTLE; VACCINATION;
RECOMBINANT PROTEINS;
ESCHERICHIA COLI; PELLETS;
MICROBIAL PROTEINS.

234 NATAAMIJAYA, A.G. [Local chicken integrated farming system for controlling avian influenza]. Integrasi sistem usaha ternak ayam lokal untuk mencegah penularan penyakit flu burung/Nataamijaya, A.G. (Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia)) ; Haloho, L..[Proceedings of the national seminar on innovation and specific location technology transfer supporting agriculture revitalization. Book 2]. Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian. Buku 2/Sudana, W.; Moudar, D.; Jamil, A.; Yufdy, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S. (eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2007: p. 597-601 1 ill., 17 ref. 631.152/SEM/p bk.2

CHICKENS; ANIMAL HUSBANDRY
METHODS; INTEGRATION; ORYZA
SATIVA; DISEASE CONTROL; AVIAN
INFLUENZA VIRUS; INFECTION;
CONTROL METHODS.

235 RETNONINGRUM, D.S. Molecular mechanism of virulence mediated by surface-associated proteins in *Streptococcus pyogenes*: a short review /Retnoningrum, D.S. (Institut Teknologi Bandung (Indonesia)). Jurnal Mikrobiologi Indonesia (Indonesia). ISSN 0853-358X (2006) v. 11(2) p. 51-56 4 ill., 29 ref.

STREPTOCOCCUS; PATHOGENICITY;
IMMUNOGLOBULINS; BINDING
PROTEINS.

M12 AQUACULTURE PRODUCTION / PRODUKSI AKUAKULTUR

236 LANGKOSONO. Growth rate of groupers (*Serranidae*) and condition waters Kodek Bay, Malaka Village West Lombok . Laju pertumbuhan ikan kerapu (*Serranidae*) dan kondisi perairan Teluk Kodek, Desa Malaka Lombok Barat /Langkosono (Pusat Penelitian Oseanografi-LIPI, Mataram (Indonesia)). Berita Biologi (Indonesia). ISSN 0126-1754 (2006) v. 8(1) p. 61-68 5 ill., 1 table; 22 ref.

GROUPERS; EPINEPHELUS; GROWTH
RATE; WATER MANAGEMENT; NUSA
TENGGARA.

N20 AGRICULTURAL MACHINERY AND EQUIPMENT / MESIN DAN PERALATAN PERTANIAN

237 HIDAYAT, M. Performance evaluation of paddy straw chopper machinery. Evaluasi kinerja teknis mesin pencacah hijauan pakan ternak/ Hidayat, M.; Harjono; Marsudi; Gunanto, A. (Balai Besar Pengembangan Mekanisasi Pertanian, Serpong (Indonesia)). Jurnal Enjiniring Pertanian (Indonesia) . ISSN 1693-2900 (2006) v. 4(2) p. 61-64 1 ill., 2 tables; 10 ref.

FEEDS; RICE STRAW; EQUIPMENT;
PERFORMANCE.

238 SULISTIADJI, K. Evaluation on economic and technical aspect of chandue paddy stripper harvester. Evaluasi teknis dan ekonomis mesin panen padi tipe sisir (stripper) merk candue/Sulistiadji, K.; Handaka (Balai Besar Pengembangan Mekanisasi Pertanian, Serpong (Indonesia)). Jurnal Enjiniring Pertanian (Indonesia). ISSN 1693-2900 (2006) v. 4(2) p. 73-82. 4 ill., 6 tables; 11 ref.

RICE; HARVESTERS; EVALUATION;
ECONOMIS ANALYSIS.

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

239 JUANDA JS, D. [Usage of surface run off and application of conservation farming system technology on farmers socio-

environment in Keji Sub Watershed]. Pemanfaatan aliran permukaan dan penerapan teknologi sistem usahatani konservasi terhadap lingkungan sosial petani di mikro sub DAS Keji/Juanda JS, D.; Warsana (Balai Pengkajian Teknologi Pertanian Jawa Tengah, Ungaran (Indonesia); Jamulya; Suyono. *Jurnal Ilmu Tanah dan Lingkungan* (Indonesia). ISSN 0853-6368 (2005) v. 5(1) p. 55-61 3 tables; 5 ref.

JAVA; TECHNOLOGY TRANSFER; RUN OFF; FARMING SYSTEMS; WATERSHEDS; SOCIOLOGY; FARMERS.

240 MULYANI, A. Land resource potential for agricultural revitalization. Potensi lahan mendukung revitalisasi pertanian/Mulyani, A.; Agus, F. (Balai Besar Penelitian dan Pengembangan Sumberdaya Lahan Pertanian, Bogor (Indonesia)). [Proceedings of the seminar on multifunctionality and revitalization of agriculture]. Prosiding seminar multifungsi dan revitalisasi pertanian/ Dariah, A.; Nurida, N.L.; Irawan; Husen, E.; Agus, F.(eds.) Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta : Badan Litbang Pertanian , 2006: p. 279-295 3 ill., 4 tables; 17 ref. 63(594)/SEM/p

FARMLAND; LAND RESOURCES; LAND SUITABILITY; AGRICULTURAL DEVELOPMENT; LAND DIVERSION.

P10 WATER RESOURCES AND MANAGEMENT/ PENGELOLAAN DAN SUMBER DAYA AIR

241 AGUSSALIM. [Water table analysis to expect the potential of sugarcane production in South Konawe, Southeast Sulawesi]. Analisis neraca air untuk menduga potensi produksi tebu di Kabupaten Konawe Selatan, Sulawesi Tenggara /Agussalim (Balai Pengkajian Teknologi Pertanian Sulawesi Tenggara, Kendari (Indonesia)). [Proceedings of the national seminar and expose of agricultural research results. Book 2]. Prosiding seminar nasional dan ekspose hasil penelitian. Buku 2/Syam, A.; Hadadde, I.; Sutisna, E.; Mustaha, M.A.; Rusastra, I W. (eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor

(Indonesia). Bogor : BBP2TP, 2006: p. 459-467 8 tables; 13 ref. 631.152/SEM/p bk.2

SACCHARUM OFFICINARUM; SOIL WATER BALANCE; GROUNDWATER TABLE; PRODUCTION POSSIBILITIES; SUPPLEMENTAL IRRIGATION; PLANTING DATE; HARVESTING DATE; YIELDS; SULAWESI.

242 MARTONO, H. Effectiveness level of hotel wastewater treatment plants in Yogyakarta . Tingkat efektivitas instalasi pengolahan limbah cair hotel-hotel di Yogyakarta /Martono, H.; Anwar, A.; Sukar (Pusat Penelitian dan Pengembangan Gizi dan Makanan, Bogor (Indonesia)); Besmanto, N . *Buletin Penelitian Kesehatan* (Indonesia). ISSN 0125-9695 (2006) v. 34(1) p. 37-45 1 ill., 4 tables; 8 ref.

JAVA; WASTEWATER; WASTE MANAGEMENT; POLLUTANTS.

243 NUGROHO, K. Tidal flood characteristics in Telang South Sumatra coastal area . Karakteristik banjir pasang di daerah pantai Telang Sumatera Selatan/ Nugroho, K. (Balai Penelitian Agroklimat dan Hidrologi, Bogor (Indonesia)). *Jurnal Tanah dan Iklim* (Indonesia). ISSN 1410-7244 (2006) (no. 24) p. 54-68 11 ill., 3 tables; 23 ref.

SUMATRA; COASTAL SOILS; TIDES; HYDROLOGY; DATA ANALYSIS; FLOODPLAINS.

244 PURAWISASTRA, S. Effect of supplementation of galactomannan dietary fiber from the residue of coconut kernel to the inhibition of the increased level of blood cholesterol . Pengaruh suplementasi serat galaktomanan ampas kelapa terhadap peningkatan kenaikan kadar kolesterol darah/Purawisastra, S.; Affandi, E. (Pusat Penelitian dan Pengembangan Gizi dan Makanan, Bogor (Indonesia)). *Buletin Penelitian Kesehatan* (Indonesia). ISSN 0125-9695 (2006) v. 34(1) p. 20-29 1 ill., 7 tables; 12 ref.

LABORATORY ANIMALS; CHOLESTEROL; MANNANS; DIETARY FIBRES; COCONUTS; SUPPLEMENTS.

**P30 SOIL SCIENCE AND
MANAGEMENT / ILMU DAN
PENGELOLAAN TANAH**

245 ABDURACHMAN, A. [Land resources for soybean in Indonesia]. Sumber daya lahan untuk kedelai di Indonesia/Abdurachman, A.; Mulyani, A.; Irawan (Balai Besar Penelitian dan Pengembangan Sumber Daya Lahan Pertanian, Bogor (Indonesia)). [Soybean: production and development technique]. Kedelai. teknik produksi dan pengembangan/Sumarno; Suyamto; Widjono, A.; Hermanto; Kasim, H.(eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor : Puslitbangtan, 2007: p.168-184 1 ill., 8 tables; 20 ref. Appendices 633.34-115.1/PUS/k

GLYCINE MAX; LAND RESOURCES;
LAND SUITABILITY; INDONESIA.

246 PRASETYO, B.H. Characteristics of Spodosols in relation to soil management for agriculture in Kutai Regency, East Kalimantan. Karakteristik Spodosols dalam kaitannya dengan pengelolaan tanah untuk pertanian di Kabupaten Kutai, Kalimantan Timur/Prasetyo, B.H.; Sulaeman, Y.; Subardja, D.; Hikmatullah (Balai Besar Penelitian dan Pengembangan Sumberdaya Lahan Pertanian, Bogor (Indonesia)). Jurnal Tanah dan Iklim (Indonesia). ISSN 1410-7244 (2006) (no. 24) p. 69-79 3 ill., 4 tables; 15 ref.

KALIMANTAN; SPODOSOLS; PODZOLS;
SOIL CHEMICOPHYSICAL PROPERTIES;
SOIL DEFICIENCIES; LAND
MANAGEMENT.

247 PRASETYO, B.H. Characteristics, potential, and management of Ultisol for agricultural upland development in Indonesia. Karakteristik, potensi, dan teknologi pengolahan tanah Ultisol untuk pengembangan pertanian lahan kering di Indonesia/ Prasetyo, B.H. ; Suriadikarta, D.A . (Balai Besar Penelitian dan Pengembangan Sumberdaya Lahan Pertanian, Bogor (Indonesia)). Jurnal Penelitian dan Pengembangan Pertanian (Indonesia). ISSN 0216-4418 (2006) v. 25(2) p. 39-46 1 ill., 4 tables; 49 ref.

INDONESIA; AGRICULTURAL
DEVELOPMENT; SOIL
CHEMICOPHYSICAL PROPERTIES;
FERTILIZER APPLICATION; ORGANIC

FERTILIZERS; SOIL MANAGEMENT;
DRY FARMING.

**P31 SOIL SURVEYS AND
MAPPING / SURVEI DAN
PEMETAAN TANAH**

248 RACHMAN, A. [Soybean extensification in suboptimal area]. Perluasan areal tanaman kedelai ke lahan suboptimal/Rachman, A.; Subiksa, I G.M.; Wahyunto (Balai Penelitian Tanah, Bogor (Indonesia)).[Soybean: production and development technique]. Kedelai. teknik produksi dan pengembangan/Sumarno; Suyamto; Widjono, A.; Hermanto; Kasim, H.(eds.) Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Bogor : Puslitbangtan, 2007: p. 185-204 4 ill., 9 tables; 20 ref. Appendix 633.34-115.1/PUS/k

GLYCINE MAX; EXTENSIFICATION;
DRY FARMING; LAND MANAGEMENT.

**P32 SOIL CLASSIFICATION AND
GENESIS / KLASIFIKASI DAN
PEMBENTUKAN TANAH**

249 WIYONO. [Application of soil taxonomy on harst landscape, Gunung Kidul, Central Java]. Aplikasi soil taxonomy pada tanah-tanah yang berkembang dari bentuk karst Gunung Kidul/Wiyono (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian); Siradz, S.A.; Hanudin, E. Jurnal Ilmu Tanah dan Lingkungan (Indonesia). ISSN 0853-6368 (2006) v. 6(1) p. 13-26 3 tables; 14 ref.

JAVA; SOIL CLASSIFICATION; KARST
SOILS; SOIL CHEMICOPHYSICAL
PROPERTIES.

**P33 SOIL CHEMISTRY AND
PHYSICS/ KIMIA DAN FISIKA
TANAH**

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286 SUHIRMAN, S. [Introducing *Litsea cubeba* as antioxidant and natural preservative on food] . Mengenal tanaman antarasa (*Litsea cubeba*) sebagai antioksidan dan pengawet alami pada bahan pangan/Suhirman, S. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Tanaman Industri (Indonesia). ISSN 0853-8204 (2006) v. 12(2) p. 27-29 1 ill.

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FOODS; FOOD SAFETY; PACKAGING; PROCESSING; BIOLOGICAL CONTAMINATION.

Q52 FEED PROCESSING AND PRESERVATION / PENGOLAHAN DAN PENGAWETAN PAKAN

290 ASTUTI, W.D. [Chromium incorporation on fungi based cassava substrate]. Inkorporasi kromium pada khamir dan kapang dengan substrat dasar singkong yang diberi kromium anorganik/Astuti, W.D. (Pusat Penelitian Bioteknologi-LIPI, Bogor (Indonesia)); Sutardi, T.; Evvyernie, D.; Toharmat, T.. Media Peternakan (Indonesia). ISSN 0126-0472 (2006) v. 29(2) p. 83-88 2 tables; 14 ref.

LIVESTOCK; CHROMIUM; ASPERGILLUS ORYZAE; SACCHAROMYCES CEREVISIAE; CASSAVA.

291 KHALIL. [Effect of grinding and roasting products of freshwater mussel shell on mineral content and physical characteristic its for feeds]]. Pengaruh penggilingan dan pembakaran terhadap kandungan mineral dan sifat fisik kulit pansi (*Corbiculla* Sp) untuk pakan/Khalil (Universitas Andalas, Padang (Indonesia). Fakultas Peternakan). Media Peternakan (Indonesia). ISSN 0126-0472 (2006) v. 29(2) p. 70-75 2 tables; 10 ref.

MUSSELS; SHELL; FEED PROCESSING; MILLING; ROASTING; MINERAL CONTENT; CHEMICOPHYSICAL PROPERTIES.

292 KHOTIJAH, L. [Effect of urea or DL-Methionine addition in sweet potatoes complete biomass on rabbit]. Penambahan urea atau DL-metionina ke dalam ransum komplit biomassa ubi jalar pada kelinci/Khotijah, L. (Institut Pertanian Bogor (Indonesia). Fakultas Peternakan). Media

Peternakan (Indonesia). ISSN 0126-0472 (2006) v. 29(2) p. 89-95 1 ill., 4 tables; 8 ref.

RABBITS; RATIONS; SWEET POTATOES; UREA; BIOMASS; DIGESTIBILITY; WEIGHT GAIN.

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

293 OKTAVIA, E. [Validation techniques of analytical methods of ketoprofen content by using high performance liquid chromatography]. Teknik validasi metode analisis kadar ketoprofen secara kromatografi cair kinerja tinggi/Oktavia, E. (Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian, Bogor (Indonesia)). Buletin Teknik Pertanian (Indonesia). ISSN 0853-8379 (2006) v. 11(1) p. 23-28 2 ill., 8 tables ; 6 ref.

DRUGS; CHEMICOPHYSICAL PROPERTIES; ANALYTICAL METHODS; HPLC; DOSAGE EFFECTS.

294 SUNANTYO. Preliminary study at home scale industry processing of bio ethanol from *Arenga pinnata* juice in North Maluku. Studi pendahuluan proses pembuatan bioetanol dari nira aren dalam skala home industry di Maluku Utara/Sunantyo (Pusat Penelitian Perkebunan Gula Indonesia, Pasuruan (Indonesia)). [Proceedings of the national seminar on innovation and specific location technology transfer supporting agriculture revitalization. Book 2]. Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian. Buku 2/Sudana, W.; Moudar, D.; Jamil, A.; Yufdy, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S. (eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2007: p. 561-567 2 tables ; 6 ref. Appendix 631.152/SEM/p bk.2

SUGAR PALMS; ARENGA PINNATA; TAPPING; SUGARCANE JUICE; PROCESSING; ETHANOL; DISTILLING; TRADITIONAL TECHNOLOGY; ENERGY SOURCES; MALUKU.

**Q70 PROCESSING OF AGRI -
CULTURAL WASTES / PENG-
OLAHAN LIMBAH PERTANIAN**

295 PASAMBE, D. [Sago waste use efficiency on the digestibility of dried rations on bali cattle]. Efisiensi pemanfaatan ampas sago terhadap daya cerna bahan kering ransum pada sapi bali/Pasambe, D.; Sariubang, M. (Balai Pengkajian Teknologi Pertanian Sulawesi Selatan, Makassar (Indonesia)). [Proceedings of the national seminar and expose of agricultural research results. Book 2]. Prosiding seminar nasional dan ekspose hasil penelitian. Buku 2/Syam, A.; Hadadde, I.; Sutisna, E.; Mustaha, M.A.; Rusastra, I W. (eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2006: p. 619-624 2 tables; 11 ref. 631.152/SEM/p bk.2

CATTLE; RATIONS; SAGO; WASTE UTILIZATION; DIGESTIBILITY; FEED INTAKE; FEED CONVERSION EFFICIENCY.

296 SIARAH, M. [Potential and diversification of agricultural and fisheries by products for feeds in Southeast Sulawesi]. Potensi dan diversifikasi produk samping pertanian dan perikanan untuk pakan di Sulawesi Tenggara/Siarah, M.; Rusman, M.; Sari, U.R. (Balai Pengkajian Teknologi Pertanian Sulawesi Tenggara, Kendari (Indonesia)). [Proceedings of the national seminar and expose of agricultural research results. Book 2]. Prosiding seminar nasional dan ekspose hasil penelitian. Buku 2/Syam, A.; Hadadde, I.; Sutisna, E.; Mustaha, M.A.; Rusastra, I W. (eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2006: p. 591-601 1 ill., 9 tables; 19 ref. 631.152/SEM/p bk.2

BROILER CHICKENS; PENAEUS MONODON; AGRICULTURAL PRODUCTS; BYPRODUCTS; FISHERY BYPRODUCTS; FEEDS; WASTE UTILIZATION; NUTRITIVE VALUE; INGREDIENTS; FEED CONVERSION EFFICIENCY; WEIGHT GAIN; SURVIVAL.

Q80 PACKAGING / PENGEMASAN

297 MUTTAKIN, S. [Identification of flexible pack quality: case study in P.T. Interkemas Flexipack, Tangerang]. Identifikasi kualitas kemasan fleksibel: studi kasus di P.T. Interkemas Flexipack, Tangerang/Muttakin, S. (Balai Pengkajian Teknologi Pertanian Sulawesi Tenggara, Kendari (Indonesia)); Hardjomodjojo, H.H.[Proceedings of the national seminar and expose of agricultural research results. Book 2]. Prosiding seminar nasional dan ekspose hasil penelitian. Buku 2/Syam, A.; Hadadde, I.; Sutisna, E.; Mustaha, M.A.; Rusastra, I W. (eds.) Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia). Bogor : BBP2TP, 2006: p. 789-795 2 ill., 5 ref. 631.152/SEM/p bk.2

BISCUITS; PACKAGING; FLEXIBLE PACKS; PACKAGING MATERIALS; QUALITY; PROCESSING; PRODUCTION FACTORS; CONSUMER BEHAVIOUR; ENTERPRISES; JAVA.

T01 POLLUTION / POLUSI

298 INDRANINGSIH. Evaluation of farmers appreciation in reducing pesticide by organic farming practice/Indraningsih; Sani, Y.; Widiastuti, R. (Balai Penelitian Veteriner, Bogor (Indonesia)). Indonesian Journal of Agricultural Science (Indonesia). ISSN 1411-982x (2005) v. 6(2) p. 59-68 6 ill., 7 tables; 33 ref.

ORGANIC AGRICULTURE; PESTICIDES; RESIDUES; HUMAN BEHAVIOUR; FARMERS; SOCIAL PARTICIPATION.

299 LAS, I. Environmental issues and management in agricultural revitalization. Isu dan pengelolaan lingkungan dalam revitalisasi pertanian/Las, I.; Subagyono, K.; Setiyanto, A.P. (Balai Besar Penelitian dan Pengembangan Sumberdaya Lahan Pertanian, Bogor (Indonesia)).[Proceedings of the seminar on multifunctionality and revitalization of agriculture]. Prosiding seminar multifungsi dan revitalisasi pertanian/Dariah, A.; Nurida, N.L.; Irawan; Husen, E.; Agus, F.(eds.) Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta : Badan Litbang Pertanian , 2006: p. 173-193 28 ref. Appendix 63(594)/SEM/p

AGRICULTURAL DEVELOPMENT;
ENVIRONMENT; LAND MANAGEMENT;
AGRICULTURAL CHEMICALS; SOIL
POLLUTION; RESIDUES; ORGANIC
AGRICULTURE.

300 RUSMANA, I. Gaseous end products of
nitrate and nitrite reduction by denitrifying
pseudomonas isolated from estuarine

sediment/ Rusmana, I. (Institut Pertanian
Bogor (Indonesia), Fakultas Matematika dan
Ilmu Pengetahuan Alam). Jurnal Mikrobiologi
Indonesia (Indonesia). ISSN 0853-358X
(2006) v. 11(2) p. 63-66 2 tables; 17 ref.

PSEUDOMONAS; NITROUS OXIDE;
DENITRIFICATION; ISOLATION.

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