ISSN 0216-0803

Indeks Biologi dan Pertanian Indonesia

(Indonesian Biological and Agricultural Index)

Volume 41, No. 2, Tahun 2011

Departemen Pertanian
Pusat Perpustakaan dan Penyebaran Teknologi Pertanian
Bogor
2011

INDEKS BIOLOGI DAN PERTANIAN INDONESIA
(Indonesian Biological and Agricultural Index)
ISSN 0216-0803
Terbit sejak tahun 1969

Penanggung Jawab :

Ir. Farid Hasan Baktir, M.Ec

Kepala Pusat Perpustakaan dan Penyebaran Teknologi Pertanian

Penyusun :

Hendrawaty
Tuti Sri Sundari
Kurniati
Irfan Suhendra

Alamat Redaksi :

Pusat Perpustakaan dan Penyebaran Teknologi Pertanian
Jl. Ir. H. Juanda 20
B O G O R - 16122

Telepon No. : (0251) 8321746
Facsimile : 62-0251-8326561

Kata Pengantar

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

IBPI disusun menurut skema pembagian subjek dari AGRIS (*The International Information System for Agricultural Sciences and Technology*) dan masing-masing entri dilengkapi dengan kata kunci yang menggambarkan isi artikel. Kata kunci ditentukan berdasarkan AGROVOC (*Multilingual Agricultural Thesaurus*), dan digunakan pula untuk indeks subjeknya.

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

Semua artikel yang ada di dalam IBPI tersedia di Pusat Perpustakaan dan Penyebaran Teknologi Pertanian. Pengguna yang memerlukan artikel lengkapnya dapat menghubungi PUSTAKA.

Bogor, 2011

Kepala Pusat Perpustakaan dan
Penyebaran Teknologi Pertanian

INDEKS BIOLOGI DAN PERTANIAN INDONESIA

(Indonesian Biological and Agricultural Index)

Vol. 41, No. 2 **Tahun 2011**

Kementerian Pertanian
PUSAT PERPUSTAKAAN DAN PENYEBARAN TEKNOLOGI PERTANIAN
Jalan Ir. H. Juanda 20, Bogor 16122, Indonesia

DAFTAR ISI / TABLE OF CONTENTS

C20 PENYULUHAN / EXTENSION

301 NUSKHI, M. Hubungan antara fasilitas, keadaan, partisipasi dan pembinaan kelompok dengan sikap kewirausahaan peternak sapi perah di Kabupaten Banyumas. Relationship between facilities, conditions, member participation, and founding and maintenance of dairy cattle farmers group with entrepreneurship of its member in Banyumas Regency/ Nuskhi, M.; Setiana, L. (Universitas Jenderal Soedirman, Purwokerto (Indonesia). Fakultas Peternakan). Animal Production (Indonesia) ISSN 1411-2027 (2005) v. 7(2) p. 111-120, 3 tables; 8 ref.

DAIRY CATTLE; FARMERS; SOCIAL CONDITIONS; FARM INCOME; JAVA.

302 PARYONO, T.J. Peran gelar teknologi sebagai metode penyuluhan dalam penyebaran teknologi usaha tani padi gogo di lahan kering. [Role of technology exhibition as extension method on technology dissemination of upland rice farming system in dry land]/ Paryono, T.J.; Ernawati (Balai Pengkajian Teknologi Pertanian Jawa Tengah, Ungaran (Indonesia)). Prosiding seminar nasional inovasi dan alih teknologi pertanian untuk pengembangan agribisnis industrial pedesaan di wilayah marjinal, Ungaran, 8 Nop 2007. Buku 3: alih teknologi dan sosial ekonomi pertanian/ Muryanto; Prasetyo, T.; Prawirodigdo, S.; Yulianto; Hermawan, A.; Kushartanti, E.; Mardiyanto, S.; Sumardi (eds.). Bogor: BBP2TP, 2007: p. 579-585, 6 tables; 8 ref.

ORYZA SATIVA; UPLAND RICE; FARMING SYSTEMS; EXTENSION ACTIVITIES; INNOVATION ADOPTION; TECHNOLOGY; EXHIBITIONS; DRY FARMING.

303 YOTOLEMBAH, F.V. Peran PPL dan karakteristik kelompok wanita tani dalam aktivitasnya di Kelurahan Boyaoge, Kecamatan Palu Barat, Kota Palu. [Role of extension workers and women group characteristic in agriculture-related activities in Boyaoge Village, West Palu]/ Yotolembah, F.V. (Universitas Tadulako, Palu (Indonesia). Fakultas Ilmu Sosial dan Ilmu Politik). Jurnal Agroland (Indonesia) ISSN 0854-641X (2006) v. 13(2) p. 170-175, 2 tables; 8 ref.

SULAWESI; ADVISORY OFFICERS; WOMEN; FARMERS ASSOCIATIONS; SOCIAL GROUPS; SOCIOECONOMIC ENVIRONMENT; FARMING SYSTEMS.

E10 EKONOMI DAN KEBIJAKAN PERTANIAN / AGRICULTURAL ECONOMIC AND POLICIES

304 INDRAWANTO, C. Analisis finansial agroindustri penyulingan akar wangi di Kabupaten Garut, Jawa Barat. [Financial analysis of vetiveria distillation agroindustry in Garut Regency, West Java]/ Indrawanto, C. (Balai Penelitian Tanaman Obat dan Aromatik, Bogor (Indonesia)). Perkembangan Teknologi Tanaman Rempah dan Obat (Indonesia) ISSN 1829-6289 (2006) v. 18(2) p. 78-83, 3 tables; 8 ref.

VETIVERIA ZIZANIOIDES; ESSENTIAL OILS; DISTILLING; AGROINDUSTRIAL SECTOR; ECONOMIC ANALYSIS; JAVA.

305 NUGROHO, R.H. Aplikasi uji akar-akar unit dan kointegrasi dampak inflasi terhadap sektor pertanian dengan struktural break sistem nilai tukar mengambang bebas. [Application of unit roots test and cointegration of inflation impact on agricultural sector with break structural of free floaty of exchange rate system]/ Nugroho, R.H. (Universitas Gadjah Mada, Yogyakarta (Indonesia)); Suryamini, A. Prosiding seminar nasional hasil penelitian pertanian, Yogyakarta, 15 Sep 2006. Yogyakarta: UGM, 2006: p. 132-139, 5 tables; 5 ref.
631.001.6/SEM/r

AGRICULTURAL SECTOR; EXCHANGE RATE; INFLATION; ECONOMETRICS.

306 RINA, D.Y. Analisis finansial usaha tani dan pengolahan keripik beberapa jenis pisang di Kalimantan Tengah. [Financial analysis of farming and chip processing of some banana varieties in Central Kalimantan]/ Rina, D.Y.; Antarlina, S.S.; Rukayah (Balai Penelitian Pertanian Lahan Rawa, Banjarbaru (Indonesia)). Prosiding seminar nasional teknologi inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 2: alsin, sosek dan kebijakan/ Munarso, S.J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 956-965, 6 tables; 11 ref.

BANANAS; SPECIES; VARIETIES; PROCESSING; CUTTING; DRYING; PROXIMATE COMPOSITION; ORGANOLEPTIC PROPERTIES; MATURITY; ECONOMIC ANALYSIS; KALIMANTAN.

307 SUSANTO, A.N. Prospek dan strategi pengembangan jagung untuk mendukung ketahanan pangan di Maluku. Prospect and strategy of corn development to support food security in Moluccas/ Susanto, A.N. (Balai Pengkajian Teknologi Pertanian Maluku, Ambon (Indonesia)). Jurnal Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4418 (2005) v. 24(2) p. 70-79, 2 ill., 5 tables; 24 ref.

MAIZE; DEVELOPMENT POLICIES; FOOD SECURITY; SUPPLY AND DEMAND; MALUKU.

E11 EKONOMI DAN KEBIJAKAN LAHAN / LAND ECONOMICS AND POLICIES

308 BASUKI, T. Analisis potensi lahan untuk pengembangan jarak pagar (*Jatropha curcas* Linn.) di Pulau Timor, mendukung rencana pengembangan biofuel di Nusa Tenggara Timur. [Land potential analysis for *Jatropha curcas* development in Timor Island supporting biofuel development plan in East Nusa Tenggara]/ Basuki, T.; Lidjang, I.K.; Nulik, J. (Balai Pengkajian Teknologi Pertanian Nusa Tenggara Timur, Kupang (Indonesia)). Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 270-276, 1 ill., 4 tables; 8 ref.
633.1/.9:636/SEM/p

JATROPHA CURCAS; LAND EVALUATION; LAND SUITABILITY; DEVELOPMENT PLANS; FARMERS; SOCIAL PARTICIPATION; BIOFUELS; FARMING SYSTEMS; SMALL FARMS; TIMOR; NUSA TENGGARA.

309 IRAWAN, B. Konversi lahan sawah: potensi dampak, pola pemanfaatannya, dan faktor determinan. [Wetland conversion: impact potential, utilization, pattern, and its determinant factor]/ Irawan, B. (Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia)). Forum Penelitian Agro Ekonomi (Indonesia) ISSN 0216-4361 (2005) v. 23(1) p. 1-18, 3 ill., 4 tables; 35 ref.

WETLAND SOILS; LAND DIVERSION; LAND USE; ECONOMIC POLICIES; SOCIAL POLICIES; LAND ECONOMICS; FOOD SECURITY.

310 NOOR, M. Revitalisasi pemanfaatan lahan rawa pasang surut untuk mendukung peningkatan produksi beras dan hortikultura. [Revitalization of tidal land used to support rice and horticultural production increase]/ Noor, M. (Balai Penelitian Pertanian Lahan Rawa, Banjarbaru (Indonesia)). Prosiding inovasi teknologi mendukung peningkatan produksi pangan nasional dan pengembangan bioenergi untuk kesejahteraan masyarakat, Palembang, 9-10 Jul 2007. Buku 2/ Armanto, M.E.; Bamualim, A.; Subowo G.; Mulyani, E.S.; Jamal, E. (eds.). Bogor: BBP2TP, 2007: p. 474-480, 4 tables; 12 ref.
633.1/.4-115.2/SEM/p bk2

RICE; HORTICULTURE; LAND USE; PRODUCTION INCREASE; TIDES; INTERTIDAL ENVIRONMENT; JAVA.

311 PRAWITO, P. Kesesuaian lahan dan evaluasi rumus braak untuk pengembangan tanaman kentang di kaki bukit Kaba, Bengkulu. [Land suitability and evaluation of braak formulation for developing potato in Kaba highland, Bengkulu]/ Prawito, P.; Susiani, E. (Universitas Bengkulu (Indonesia), Fakultas Pertanian). Prosiding seminar nasional hasil penelitian pertanian, Yogyakarta, 15 Sep 2006. Yogyakarta: UGM, 2006: p. 122-131, 3 tables; 13 ref.
631.001.6/SEM/r

SOLANUM TUBEROSUM; LAND SUITABILITY; LAND EVALUATION; AIR TEMPERATURE; SLOPING LAND; CHOICE OF SPECIES; SOIL CHEMICOPHYSICAL PROPERTIES; SUMATRA.

312 SAMPELILING, S. Kesesuaian pengembangan sumber daya lahan basah dalam meningkatkan produksi padi dan kualitas lingkungan di perkotaan: kasus agro

ekosistem Cilincing DKI Jakarta. [Suitability of wetland resources development in increasing rice production and environment quality in urban areas: case in Cilincing agroecosystem, Jakarta]/ Sampeliling, S.; Suwandi (Balai Pengkajian Teknologi Pertanian Jakarta (Indonesia)). Prosiding inovasi teknologi mendukung peningkatan produksi pangan nasional dan pengembangan bioenergi untuk kesejahteraan masyarakat, Palembang, 9-10 Jul 2007. Buku 2/ Armanto, M.E.; Bamualim, A.; Subowo G.; Mulyani, E.S.; Jamal, E. (eds.). Bogor: BBP2TP, 2007: p. 530-537, 2 tables; 16 ref.
633.1/.4-115.2/SEM/p bk2

RICE; PRODUCTION INCREASE; RICE FIELDS; WETLANDS; ADAPTATION; INNOVATION; TECHNOLOGY; LAND USE; JAVA.

313 WIDJAJANTO, D. Evaluasi kesesuaian lahan untuk budidaya tanaman kakao (*Theobroma cacao* L.) di DAS Gumbasa Hulu, Kabupaten Donggala. [Evaluation of land suitability for *Theobroma cacao* cultivation in Gumbala Hulu Watershed, Donggala Regency]/ Widjajanto, D. (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian); Sitorus, S.R.P.; Mudikdjo, K.; Murtilaksono, K.; Hardjomidjojo, H.. Jurnal Agroland (Indonesia) ISSN 0854-641X (2006) v. 13(2) p. 163-169, 3 ill., 5 tables; 13 ref.

THEOBROMA CACAO; LAND SUITABILITY; CULTIVATION; WATERSHEDS; PRODUCTION; LAND CLASSIFICATION; SULAWESI.

E12 TENAGA KERJA DAN KESEMPATAN KERJA / LABOUR AND EMPLOYMENT

314 SUSILOWATI, S.H. Gejala pergeseran kelembagaan upah pada pertanian padi sawah. [Change of payment institution system on irrigated rice farming systems]/ Susilowati, S.H. (Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia)). Forum Penelitian Agro Ekonomi (Indonesia) ISSN 0216-4361 (2005) v. 23(1) p. 48-60, Bibliography: p. 58-60.

IRRIGATED RICE; FARMING SYSTEMS; REMUNERATION; LABOUR.

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

315 SUPRIATNA, A. Rekayasa model penunjang keputusan investasi pembuatan biodiesel dari jarak pagar (*Jatropha curcas* L.). [Engineering of supporting model on investment decision of biodiesel processing from castor plant]/ Supriatna, A.; Sumangat, S.D.; Broto, W. (Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian, Bogor (Indonesia)). Prosiding lokakarya ke-2 status teknologi tanaman jarak pagar (*Jatropha curcas* L.), Bogor, 29 Nop 2006/ Karmawati, E.; Wahyudi, A.; Effendi, D.S.; Maya, I.N.; Sumanto; Yusniarti; Mukhasim (eds.) Bogor: Puslitbangbun, 2007: p. 166-176, 10 ill., 1 table; 9 ref.
633.853.3-117/LOK/p c2

CASTOR OIL; BIOFUELS; PROCESSING; INVESTMENT; ECONOMIC ANALYSIS.

E14 EKOMONI DAN KEBIJAKAN PEMBANGUNAN / DEVELOPMENT ECONOMICS AND POLICIES

316 LUNTUNGAN, H.T. Prospek dan arah pengembangan agribisnis kelapa di Nusa Tenggara Timur. [Prospect and development of coconut agribusiness in East Nusa Tenggara]/ Luntungan, H.T. (Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia)). Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 277-285, 1 ill., 4 tables; 6 ref.
633.1/.9:636/SEM/p

COCONUTS; DEVELOPMENT POLICIES; COMMODITY MARKETS; INDUSTRIAL DEVELOPMENT; ECONOMIC VALUE; PRODUCT DEVELOPMENT; AGROINDUSTRIAL SECTOR; INVESTMENT REQUIREMENTS; NUSA TENGGARA.

317 SUMARNO. Perluasan areal padi gogo sebagai pilihan untuk mendukung ketahanan pangan nasional. [Expansion of upland rice field as choice supporting of national food

security]/ Sumarno (Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia)); Hidayat, R. Iptek Tanaman Pangan (Indonesia) ISSN 1907-4263 (2007) v. 2(1) p. 26-40, 4 tables; 18 ref.

ORYZA SATIVA; UPLAND RICE; FARM MANAGEMENT; PLANT PRODUCTION; LESS FAVOURED AREAS; FOOD SECURITY.

318 SUMARNO. Teknologi revolusi hijau lestari untuk ketahanan pangan nasional di masa depan. [Technology of renewable green revolution for the future national food security]/ Sumarno (Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia)). Iptek Tanaman Pangan (Indonesia) ISSN 1907-4263 (2007) v. 2(2) p. 131-153, 2 tables; 24 ref.

ORYZA SATIVA; RICE; FOOD CROPS; PRODUCTION;YIELDS; AGRICULTURAL DEVELOPMENT; HIGH YIELDING VARIETIES; SUSTAINABILITY; FOOD SECURITY; CULTIVATION; TECHNOLOGY.

319 WIDJONO, A. Aspek budaya dalam adopsi inovasi: antisipasi kasus pengembangan padi di Merauke. [Cultural aspect on innovation adoption: anticipation of rice development in Merauke]/ Widjono, A. (Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia)). Iptek Tanaman Pangan (Indonesia) ISSN 1907-4263 (2007) v. 2(2) p. 169-179, 1 ill., 15 ref.

ORYZA SATIVA; CULTURAL BEHAVIOUR; INNOVATION ADOPTION; FARMERS.

E16 EKOMONI PRODUKSI / PRODUCTION ECONOMICS

320 BASWARSIATI. Potensi dan wilayah pengembangan kesemek junggo. [Potency and development area of persimmon (*Diospyros kaki* L.)]/ Baswarsiati; Suhardi; Rahmawati, D. (Balai Pengkajian Teknologi Pertanian Jawa Timur, Malang (Indonesia)). Buletin Plasma Nutfah (Indonesia) ISSN 1410-4377 (2006) v. 12(2) p. 56-61, 1 table; 12 ref.

DIOSPYROS KAKI; PRODUCTION LOCATION; PRODUCTIVITY; CROP PERFORMANCE; AGROECOSYSTEMS; CULTIVATION.

321 BERNAS, S.M. Potensi lahan kritis di Ogan Komering Ilir untuk lahan pertanian sawah lebak menunjang Sumatera Selatan sebagai lumbung pangan. [Potential of critical land in Ogan Komering Ilir of paddy field for supporting South Sumatra as food producer]/ Bernas, S.M.; Bakri; Prayitno, M.B. (Universitas Sriwijaya, Palembang (Indonesia). Fakultas Pertanian). Prosiding inovasi teknologi mendukung peningkatan produksi pangan nasional dan pengembangan bioenergi untuk kesejahteraan masyarakat, Palembang, 9-10 Jul 2007. Buku 2/ Armanto, M.E.; Bamualim, A.; Subowo G.; Mulyani, E.S.; Jamal, E. (eds.). Bogor: BBP2TP, 2007: p. 501-508, 6 tables; 5 ref.
633.1/.4-115.2/SEM/p bk2

SUMATRA; MARGINAL LAND; FARMLAND; SOIL CHEMICOPHYSICAL PROPERTIES; LAND SUITABILITY; LOWLAND.

322 DARAS, U. Strategi dan inovasi teknologi peningkatan produktivitas jambu mete di Nusa Tenggara. Strategy and innovation of technology to increase cashew productivity in Nusa Tenggara/ Daras, U. (Balai Penelitian Tanaman Rempah dan Aneka Tanaman Industri, Sukabumi (Indonesia)). Jurnal Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4418 (2007) v.26 (1) p. 25-34, 3 ill., 2 tables; Bibliography p. 33-34

ANACARDIUM OCCIDENTALE; PRODUCTIVITY; TECHNOLOGY; INNOVATION; MARGINAL LAND; NUSA TENGGARA.

323 MANRAPI, A. Meningkatkan pendapatan petani lahan sawah irigasi melalui usaha tani padi-itik di Sulawesi Tenggara. [Improving of irrigated land farmer income through rice-duck farming systems in Southeast Sulawesi]/ Manrapi, A.; Rusman, M. (Balai Pengkajian Teknologi Pertanian Sulawesi Tenggara, Kendari (Indonesia)). Prosiding inovasi teknologi mendukung peningkatan produksi pangan nasional dan pengembangan bioenergi untuk kesejahteraan masyarakat, Palembang, 9-10 Jul 2007. Buku 2/ Armanto, M.E.; Bamualim, A.; Subowo G.; Mulyani, E.S.;

Jamal, E. (eds.). Bogor: BBP2TP, 2007: p. 733-737 , 3 tables; 6 ref.
633.1/.4-115.2/SEM/p bk2

ORYZA SATIVA; DUCKS; FARM INCOME; FARMING SYSTEMS; PRODUCTION INCREASE; ECONOMIC ANALYSIS; SULAWESI.

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

324 AGUSTINA, D.S. Prospek usaha tani karet rakyat: kajian sosial ekonomi di Kabupaten Sarolangun, Provinsi Jambi. [Prospect of smallholder rubber farming system: socioeconomic study at Sarolangun, Jambi Province]/ Agustina, D.S.; Rosyid, M.J.; Syarifa, L.F. Warta Perkaretan (Indonesia) ISSN 0852-8985 (2005) v. 24(1) p. 14-24, 4 ill., 2 tables; 14 ref.

HEVEA BRASILIENSIS; FARMING SYSTEMS; SMALL FARMS; ECONOMIC SOCIOLOGY.

325 ARYOGI. Potensi, pemanfaatan dan kendala pengembangan sapi potong lokal sebagai kekayaan plasma nutfah Indonesia. [Potential utilization and constraint of local beef cattle development as Indonesian germplasm collection]/ Aryogi; Romjali, E. (Loka Penelitian Sapi Potong, Grati, Pasuruan (Indonesia)). Prosiding lokakarya nasional pengelolaan dan perlindungan sumber daya genetik di Indonesia, Bogor, 20 Des 2006/ Diwyanto, K.; Subandriyo; Handiwirawan, E.; Agustina, L.; Kurniawaty, E.T. (eds.). Jakarta: Ditjen Kerjasama Perdagangan Internasional, 2007: p. 151-167, 9 ill., 8 tables; 12 ref.

BEEF CATTLE; GERMPLASM COLLECTIONS; INDONESIA.

326 BASUKI, S. Kinerja pengawalan teknologi terhadap keberhasilan petani miskin: studi kasus usaha tani padi. Performance of technology guide on the successfulness of poor farmer: case study in rice farming/ Basuki, S.; Sularno; Sarjana (Balai Pengkajian Teknologi Pertanian Jawa Tengah, Ungaran (Indonesia)). Prosiding seminar nasional inovasi dan alih teknologi pertanian untuk pengembangan agribisnis industrial pedesaan di wilayah marjinal, Ungaran, 8 Nop 2007. Buku 3: alih teknologi dan sosial ekonomi pertanian/ Muryanto; Prasetyo, T.; Prawirodigdo, S.; Yulianto; Hermawan, A.; Kushartanti, E.; Mardiyanto, S.; Sumardi (eds.). Bogor: BBP2TP, 2007: p. 622-626, 5 tables; 8 ref.

ORYZA SATIVA; FARMING SYSTEMS; FARMERS; POVERTY; PRODUCTION COSTS; INNOVATION ADOPTION.

327 ERNINGPRAJA, L. Prospek usaha dan titik jenuh pengembangan areal perkebunan kelapa sawit Indonesia. [Prospect and saturation point of oil palm plantation development in Indonesia]/ Erningpraja, L.; Kurniawan, A. Warta Pusat Penelitian Kelapa Sawit (Indonesia) ISSN 0853-2141 (2005) v. 13(2) p. 21-30, 4 ref.

OIL PALMS; PLANTATIONS; ECONOMIC DEVELOPMENT; INDONESIA.

328 FADWIWATI, A.Y. Analisis finansial usaha tani padi sawah lahan irigasi spesifik lokasi. [Financial analysis of irrigated rice farming system]/ Fadwiwati, A.Y.; Zubair, A.; Thamrin, T. (Balai Pengkajian Teknologi Pertanian Gorontalo (Indonesia)). Prosiding inovasi teknologi mendukung peningkatan produksi pangan nasional dan pengembangan bioenergi untuk kesejahteraan masyarakat, Palembang, 9-10 Jul 2007. Buku 2/ Armanto, M.E.; Bamualim, A.; Subowo G.; Mulyani, E.S.; Jamal, E. (eds.). Bogor: BBP2TP, 2007: p. 744-753, 7 tables; 17 ref.
633.1/.4-115.2/SEM/p bk2

IRRIGATED RICE; FARMING SYSTEMS; IRRIGATED LAND; ECONOMIC ANALYSIS.

329 ISKANDAR, S. Strategi pengembangan ayam lokal. Strategy for developing local chicken/ Iskandar, S. (Balai Penelitian Ternak, Bogor (Indonesia)). Wartazoa (Indonesia) ISSN 0216-6461 (2006) v. 16(4) p. 190-197, 2 ill., 2 tables; 30 ref.

CHICKENS; ANIMAL PERFORMANCE; SYNERGISM; LOCAL GOVERNMENT; DEVELOPMENT POLICIES.

330 KEMALA, S. Simulasi usaha tani jarak pagar (*Jatropha curcas* L.). [Simulation of *Jatropha curcas* L. farm management]/ Kemala, S. (Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia)); Tirtosuprobo, S. Prosiding lokakarya ke-2 status teknologi tanaman jarak pagar (*Jatropha curcas* L.), Bogor, 29 Nop 2006/ Karmawati, E.; Wahyudi, A.; Effendi, D.S.; Maya, I.N.; Sumanto; Yusniarti; Mukhasim (eds.). Bogor: Puslitbangbun, 2007: p. 149-161, 7 tables; 16 ref.
633.853.3-117/LOK/p c2

JATROPHA CURCAS; FARM MANAGEMENT; ECONOMIC ANALYSIS; FEASIBILITY STUDIES; PRICES; SIMULATION MODELS.

331 MARGARETHA S.L. Pengaruh aspek sosial terhadap pendapatan petani jagung. Effect of social aspect on maize farmer income/ Margaretha S.L.; Syuryawati (Balai Penelitian Tanaman Serealia, Maros (Indonesia)). Risalah Penelitian Jagung dan Serealia Lain (Indonesia) ISSN 1410-8259 (2005) v. 10 p. 33-40, 7 tables; 11 ref.

MAIZE; FARM INCOME; ECONOMIC SOCIOLOGY.

332 OKTAVIANI, R.W. Analisis kepuasan pengunjung dan pengembangan fasilitas wisata agro: studi kasus di Kebun Wisata Pasir Mukti, Bogor. [Analysis of tourist's preference and development of agrotourism facilitation: case study on Kebun Wisata Pasir Mukti, Bogor]/ Oktaviani, R.W.; Suryana, R.N. (Institut Pertanian Bogor (Indonesia)). Jurnal Agro Ekonomi (Indonesia) ISSN 0216-9053 (2006) v. 24(1) p. 41-58, 3 ill., 3 tables; 8 ref. Appendix.

AGRICULTURE; PUBLIC PARKS; TOURISM; ECONOMIC ANALYSIS; JAVA.

333 SADERI, D.I. Peningkatan produktivitas dan pendapatan usaha tani padi lokal dengan jarak tanam lebar: kasus lahan pasang surut Desa Handil Gayam, Kecamatan Kurau Kalimantan Selatan. [Improving productivities and farm income of local rice varieties through wide spacing: case in Handil Gayam Village, Kurau Subdistrict, South Kalimantan]/ Saderi, D.I. (Balai Pengkajian Teknologi Pertanian Kalimantan Selatan, Banjarbaru (Indonesia)); Ilyas; Amir, M. Prosiding seminar nasional pertanian lahan rawa: revitalisasi kawasan PLG dan lahan rawa lainnya untuk membangun lumbung pangan nasional, Kuala Kapuas, 3-4 Aug 2007/ Mukhlis; Noor, M.; Supriyo, A.; Noor, I.; Simatupang, R.S. (eds.). Jakarta: Badan Litbang Pertanian, 2007: p. 349-353, 2 tables; 8 ref.
631.445.9/SEM/p bk1

ORYZA SATIVA; LAND VARIETIES; PRODUCTIVITY; FARM INCOME; SPACING; KALIMANTAN

334 SERAN, Y.L. Analisis komparatif pengelolaan sumber daya plasma nutfah kacang merah pada tiga kabupaten di Nusa Tenggara Timur. [Comparative analysis of *Phaseolus vulgaris* germplasm resource management in three regencies at East Nusa Tenggara]/ Seran, Y.L.; Hosang, E.Y.; Nilik, J. (Balai Pengkajian Teknologi Pertanian Nusa Tenggara Timur, Kupang (Indonesia)). Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 221-231, 3 tables; 3 ref.
633.1/.9:636/SEM/p

PHASEOLUS VULGARIS; GERMPLASM CONSERVATION; RESOURCE MANAGEMENT; LAND VARIETIES; FARMING SYSTEMS; SOCIOECONOMIC ENVIRONMENT; DEMAND; PRODUCTIVITY; ECONOMIC ANALYSIS; NUSA TENGGARA.

335 SYAM, A. Dinamika dan struktur pendapatan usaha tani padi di Sulawesi Tenggara. [Dynamic and income structure of rice farming system in Southeast Sulawesi]/ Syam, A.; Sahara, D. (Balai Pengkajian Teknologi Pertanian Sulawesi Tenggara, Kendari (Indonesia)). Jurnal Pengkajian dan Pengembangan Teknologi Pertanian (Indonesia) ISSN 1410-959x (2007) v. 10(1) p. 11-19, 1 ill., 7 tables; 8 ref.

RICE; FARMING SYSTEMS; PLANT PRODUCTION; PRODUCTIVITY; PRICES; FARM INCOME; COST BENEFIT ANALYSIS.

336 WAHYUDI, A. Kelembagaan pengembangan jarak pagar di Indonesia. [Institutional aspect of *Jatropha curcas* development in Indonesia]/ Wahyudi, A. (Pusat Penelitian dan Pengembangan Perkebunan, Bogor (Indonesia)); Wulandari, S. Prosiding lokakarya ke-2 status teknologi tanaman jarak pagar (*Jatropha curcas* L.), Bogor, 29 Nop 2006/ Karmawati, E.; Wahyudi, A.; Effendi, D.S.; Maya, I.N.; Sumanto; Yusniarti; Mukhasim (eds.). Bogor: Puslitbangbun, 2007: p. 162-165, 6 ref.
633.853.3-117/LOK/p c2

JATROPHA CURCAS; CASTOR OIL; DEVELOPMENT AGENCIES; SOCIAL INSTITUTIONS.

E21 AGRO-INDUSTRI / AGRO-INDUSTRY

337 AGUSTIAN, A. Daya saing dan profil produk agroindustri kopi skala kecil (kajian di Provinsi Lampung). [Competitiveness and profile of small scale coffea agroindustrial product in Lampung Province]/ Agustian, A. (Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia)). Prosiding seminar nasional teknologi inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 2: alsin, sosek dan kebijakan/ Munarso, S.J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 978-989, 4 tables; 15 ref.

COFFEE; AGROINDUSTRIAL SECTOR; SMALL ENTERPRISES; COFFEE INDUSTRY; ECONOMIC COMPETITION; DOMESTIC MARKETS; COST ANALYSIS; MARKETING CHANNELS; SUMATRA.

338 HILMAN, Y. Teknologi inovatif pasca panen kacang-kacangan dan umbi-umbian untuk mendukung diversifikasi pangan dan pengembangan agroindustri. [Innovative postharvest technology of legumes and tuber crops supporting food diversification and agroindustrial development]/ Hilman, Y.; Ginting, E.; Tastra, I K. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Prosiding seminar nasional inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 1: proses dan pengolahan hasil/ Munarso, J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 358-375, 7 ill., 2 tables; 38 ref.
631.57:631.152/SEM/p bk1

LEGUMINOSAE; ROOT CROPS; POSTHARVEST TECHNOLOGY; DIVERSIFICATION; AGROINDUSTRIAL SECTOR; TECHNOLOGY TRANSFER.

339 MARDIANTO, S. Peta jalan (road map) dan kebijakan pengembangan industri gula nasional. [Road map and development policy of national sugar industry]/ Mardianto, S.; Simatupang, P.; Hadi, P.U.; Malian, H. (Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia)); Susmiadi, A. Forum Penelitian Agro Ekonomi (Indonesia) ISSN 0216-4361 (2005) v. 23(1) p. 19-37, 7 tables; 17 ref. Appendix.

CANE SUGAR; INDUSTRY; INDUSTRIAL DEVELOPMENT; PRODUCTIVITY; FARMING SYSTEMS; PRICE POLICIES; IMPORTS; AGROINDUSTRIAL SECTOR.

E50 SOSIOLOGI PEDESAAN DAN KEAMANAN MASYARAKAT / RURAL SOCIOLOGY AND SOCIAL SECURITY

340 SUYANTO, S. Imbalan jasa lingkungan untuk pengentasan kemiskinan. [Rewarding for environmental services for poverty all eviation]/ Suyanto, S.; Khususiyah, N. (World Agroforestry Centre, Bogor (Indonesia). Southeast Asia Regional Office). Jurnal Agro Ekonomi (Indonesia) ISSN 0216-9053 (2006) v. 24(1) p. 95-113, 3 ill., 7 tables; 15 ref.

AGRICULTURAL POLICIES; LAND OWNERSHIP; LAND DIVERSION; ENVIRONMENTAL FACTORS; POVERTY; RURAL POPULATION; FARM INCOME; SUMATRA.

341 WINARTI, C. Peluang tanaman rempah dan obat sebagai sumber pangan fungsional. Opportunity of spice and medicinal crops as source of functional food/ Winarti, C.; Nurdjanah, N. (Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian, Bogor (Indonesia)). Jurnal Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4418 (2005) v. 24(2) p. 47-55, 4 ill., 9 tables; 49 ref.

GINGER; ALOE BARBADENSIS; CURCUMA; NUTMEGS; SPICES; DRUG PLANTS; HEALTH FOODS; BIOCHEMISTRY; TRADITIONAL MEDICINES.

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

342 BASUKI, S. Permasalahan petani miskin terhadap anjuran tunda jual gabah. [Problem of poor farmer on the government advice to delay rice selling]/ Basuki, S. (Balai Pengkajian Teknologi Pertanian Jawa Tengah, Ungaran (Indonesia)). Prosiding seminar nasional inovasi dan alih teknologi pertanian untuk pengembangan agribisnis industrial pedesaan di wilayah marjinal, Ungaran, 8 Nop 2007. Buku 3: alih teknologi dan sosial ekonomi pertanian/ Muryanto; Prasetyo, T.; Prawirodigdo, S.; Yulianto; Hermawan, A.; Kushartanti, E.; Mardiyanto, S.; Sumardi (eds.). Bogor: BBP2TP, 2007: p. 593-597, 4 tables; 6 ref.

RICE; PRICES; FARMERS; POVERTY; SALES.

343 EDISON. Analisis permintaan dan penawaran beras di Provinsi Jambi. [Analysis of rice supply and demand in Jambi Province]/ Edison; Renata, D. (Universitas Jambi (Indonesia). Fakultas Pertanian). Prosiding inovasi teknologi mendukung peningkatan produksi pangan nasional dan pengembangan bioenergi untuk kesejahteraan masyarakat, Palembang, 9-10 Jul 2007. Buku 2/ Armanto, M.E.; Bamualim, A.; Subowo G.; Mulyani, E.S.; Jamal, E. (eds.). Bogor: BBP2TP, 2007: p. 780-786, 2 ill., 15 ref.
633.1/.4-115.2/SEM/p bk2

RICE; PRICES; DEMAND; SUPPLY; ELASTICITY; SUMATRA.

344 HUTABARAT, B. Analisis saling pengaruh harga kopi di Indonesia dan dunia. [Analysis of causal relationship on coffee prices in Indonesia and foreign markets]/ Hutabarat, B. (Pusat Analisis Sosial Ekonomi dan Kebijakan Pertanian, Bogor (Indonesia)). Jurnal Agro Ekonomi (Indonesia) ISSN 0216-9053 (2006) v. 24(1) p. 21-40, 4 ill., 1 table; 20 ref. Appendix.

COFFEE; MARKETING; PRICE POLICIES; INTERNATIONAL TRADE; ECONOMIC ANALYSIS; INDONESIA.

345 IRAWAN, A. Analisis perilaku instabilitas, pergerakan harga, kesempatan kerja dan investasi di sektor pertanian Indonesia: aplikasi vector error correction model. [Analysis behaviour of differentiation on price, instability, work opportunity and investment on agricultural sector of Indonesia: application of vector error correction model]/ Irawan, A. (Universitas Bengkulu (Indonesia)). Jurnal Agro Ekonomi (Indonesia) ISSN 0216-9053 (2006) v. 24(1) p. 59-94, 2 ill., 7 tables; 11 ref. Appendices.

AGRICULTURAL SECTOR; INVESTMENT; OCCUPATIONS; PRICE STABILIZATION; ECONOMIC POLICIES; ECONOMIC ANALYSIS; INDONESIA.

E73 EKOMOMI KONSUMEN / CONSUMER ECONOMICS

346 INDRASARI, S.D. Preferensi konsumen terhadap beras merah sebagai sumber pangan fungsional. [Consumer preference on red rice as a functional food source]/ Indrasari, S.D. (Balai Besar Penelitian Tanaman Padi, Sukamandi (Indonesia)); Adnyana, M.O. Iptek Tanaman Pangan (Indonesia) ISSN 1907-4263 (2007) v. 2(2) p. 227-241, 4 tables; 13 ref.

RICE; CHEMICOPHYSICAL PROPERTIES; CONSUMER SURVEYS; CONSUMER BEHAVIOUR.

F01 BUDI DAYA TANAMAN / CROP HUSBANDRY

347 AKMAL. Pengkajian pengelolaan tanaman terpadu (PTT) padi sawah dataran tinggi di Kabupaten Pakpak Bharat, Sumatera Utara. [Assessment of integrated crop management on high land wet land rice in West Pakpak District of North Sumatra]/ Akmal (Balai Pengkajian Teknologi Pertanian Sumatera Utara, Medan (Indonesia)). Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian, Medan, 5 Jun 2007. Buku 1/ Sudana, W.; Moudar, D.; Jamil, A.; Yufdi, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S. (eds.).

Bogor: BBP2TP, 2007: p. 137-142, 5 tables; 7 ref.
631.152/SEM/p bk1

IRRIGATED RICE; CROP MANAGEMENT; INTEGRATED PLANT PRODUCTION; HIGH YIELDING VARIETIES; TECHNOLOGY TRANSFER; FARM INCOME; PRODUCTION INCREASE; PROFITABILITY; SUMATRA.

348 BAON, J.B. Intensitas penutup tanah *Arachis pintoi* dan inokulasi rhizobium serta penambahan fosfor dan pengaruhnya terhadap pertumbuhan tanaman kakao dan status hara di lapangan. Intensity of ground cover crop *Arachis pintoi*, Rhizobium inoculation and phosphorus application and their effects on field growth and nutrient status of cocoa plants/ Baon, J.B.; Pudjiono, H. (Pusat Penelitian Kopi dan Kakao Indonesia, Jember (Indonesia)). Pelita Perkebunan (Indonesia) ISSN 0215-0212 (2006) v. 22(2) p. 76-90, 2 ill., 6 tables; 20 ref.

THEOBROMA CACAO; ARACHIS PINTOI; COVER PLANTS; GROWTH; RHIZOBIUM; INOCULATION; PHOSPHORUS; SOIL FERTILITY; CALOPOGONIUM.

349 BASUKI, T. Peluang pengembangan kacang hijau dengan menggunakan teknologi biaya rendah (TBR) di Nusa Tenggara Timur. [Chance of mungbean development by using low cost technology in East Nusa Tenggara]/ Basuki, T.; Hosang, E.Y.; Ahyar; Nulik, J. (Balai Pengkajian Teknologi Pertanian Nusa Tenggara Timur, Kupang (Indonesia)). Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 213-220, 3 tables; 6 ref.
633.1/.9:636/SEM/p

VIGNA RADIATA RADIATA; CULTIVATION; PLANTING DATE; ZERO TILLAGE; CROPPING SYSTEMS; SOIL CHEMICOPHYSICAL PROPERTIES; FARMERS ASSOCIATIONS; APPROPRIATE TECHNOLOGY; TECHNOLOGY TRANSFER; NUSA TENGGARA.

350 BERMAWIE, N. Status teknologi budi daya dan pasca panen tanaman kunyit dan temu lawak sebagai penghasil kurkumin. [Status of cultivation and postharvest technology *Curcuma domestica* and *Curcuma xanthorrhiza* as curcuma sources]/ Bermawie, N.; Rahardjo, M.; Wahyuno, D.; Ma'mun (Balai Penelitian Tanaman Obat dan Aromatik, Bogor (Indonesia)). Perkembangan Teknologi Tanaman Rempah dan Obat (Indonesia) ISSN 1829-6289 (2006) v. 18(2) p. 84-99, 4 tables; 27 ref.

CURCUMA LONGA; CURCUMA XANTHORRHIZA; CULTIVATION; POSTHARVEST TECHNOLOGY; DRUG PLANTS; OLEORESINS; EXTRACTION.

351 JUMAKIR. Kajian teknologi budi daya dan analisis finansial usaha tani padi dengan pendekatan PTT pada lahan sawah semi intensif di Provinsi Jambi. [Assessment of rice cultivation technology and financial analysis through integrated plant production approach in semi intensive lowland in Jambi Province]/ Jumakir; Bobihoe, J. (Balai Pengkajian Teknologi Pertanian Jambi (Indonesia)). Prosiding inovasi teknologi mendukung peningkatan produksi pangan nasional dan pengembangan bioenergi untuk kesejahteraan masyarakat, Palembang, 9-10 Jul 2007. Buku 2/ Armanto, M.E.; Bamualim, A.; Subowo G.; Mulyani, E.S.; Jamal, E. (eds.). Bogor: BBP2TP, 2007: p. 806-813, 5 tables; 11 ref.
633.1/.4-115.2/SEM/p bk2

ORYZA SATIVA; CULTIVATION; ECONOMIC ANALYSIS; FARMING SYSTEMS; INTEGRATED PLANT PRODUCTION; INTENSIVE FARMING; SUMATRA.

352 KHAIRULLAH, I. Keunggulan dan kekurangan verietas lokal padi pasang surut ditinjau dari aspek budi daya dan genetik. [Superiority and insufficiency of tidal rice local varieties observed from cultivation and genetic aspects]/ Khairullah, I. (Balai Penelitian Pertanian Lahan Rawa, Banjarbaru (Indonesia)). Prosiding seminar nasional pertanian lahan rawa: revitalisasi kawasan PLG dan lahan rawa lainnya untuk membangun lumbung pangan nasional, Kuala Kapuas, 3-4 Aug 2007. Buku 1/ Mukhlis; Noor, M.; Supriyo, A.; Noor, I.; Simatupang, R.S. (eds.). Jakarta: Badan Litbang Pertanian, 2007: p. 339-348, 2 tables; 12 ref.
631.445.9/SEM/p bk1

ORYZA SATIVA; LAND VARIETIES; CULTIVATION; GENETIC RESOURCES; AGRONOMIC CHARACTERS; PEST RESISTANCE; DISEASE RESISTANCE.

353 KIRANA, R. Budi daya dan produksi benih bayam (*Amaranthus* spp.). [Cultivation and seed production of spinach (*Amaranthus* spp.)]/ Kirana, R.; Gaswanto, R.; Hidayat, I.M. Petunjuk teknis budi daya dan produksi benih beberapa sayuran indigenous/ Hidayat, I.M.; Kirana, R.; Gaswanto, R.; Kusmana (eds.). Jakarta: Puslitbanghor, 2006: p. 5-8, 1 ill, 2 tables; 1 ref.

AMARANTHUS; CULTIVATION; HARVESTING; SEED PRODUCTION.

354 KIRANA, R. Budi daya dan produksi benih false coriander (*Eryngium foetidum*). [Cultivation and seed production of false coriander (*Eryngium foetidum*)]/ Kirana, R.; Gaswanto, R.; Hidayat, I.M. Petunjuk teknis budi daya dan produksi benih beberapa sayuran indigenous/ Hidayat, I.M.; Kirana, R.; Gaswanto, R.; Kusmana (eds.). Jakarta: Puslitbanghor, 2006: p. 21-23, 1 ill., 1 ref.

ERYNGIUM FOETIDUM; CULTIVATION; HARVESTING; SEED PRODUCTION; POSTHARVEST TECHNOLOGY.

355 KIRANA, R. Budi daya dan produksi benih kedelai sayur (*Glycine max*). [Cultivation and seed production of vegetable soybean (*Glycine max*)]/ Kirana, R.; Gaswanto, R.; Hidayat, I.M. Petunjuk teknis budi daya dan produksi benih beberapa sayuran indigenous/ Hidayat, I.M.; Kirana, R.; Gaswanto, R.; Kusmana (eds.). Jakarta: Puslitbanghor, 2006: p. 1-4, 1 ill, 2 tables; 2 ref.

GLYCINE MAX; VEGETABLE CROPS; CULTIVATION; HARVESTING; SEED PRODUCTION.

356 KIRANA, R. Budi daya dan produksi benih okra (*Abelmochus esculenta*). [Cultivation and seed production of *Abelmochus esculenta*]/ Kirana, R.; Gaswanto, R.; Hidayat, I.M. Petunjuk teknis budi daya dan produksi benih beberapa sayuran indigenous/ Hidayat, I.M.; Kirana, R.; Gaswanto, R.; Kusmana (eds.). Jakarta: Puslitbanghor, 2006: p. 24-27, 1 ill, 2 ref.

ABELMOSCHUS ESCULENTUS; CULTIVATION; HARVESTING; SEED PRODUCTION; POSTHARVEST TECHNOLOGY.

357 KIRANA, R. Budi daya dan produksi benih paria belut (*Trichosanthes cucumerina*). [Cultivation and seed production of *Trichosanthes cucumerina*]/ Kirana, R.; Gaswanto, R.; Hidayat, I.M. Petunjuk teknis budi daya dan produksi benih beberapa sayuran indigenous/ Hidayat, I.M.; Kirana, R.; Gaswanto, R.; Kusmana (eds.). Jakarta: Puslitbanghor, 2006: p. 17-19, 1 ill., 2 ref.

TRICHOSANTHES CUCUMERINA; CULTIVATION; HARVESTING; SEED PRODUCTION; POSTHARVEST TECHNOLOGY.

358 KIRANA, R. Budi daya dan produksi benih roay (*Dolichos lablab*). [Cultivation and seed production of *Dolichos lablab*]/ Kirana, R.; Gaswanto, R.; Hidayat, I.M. Petunjuk teknis budi daya dan produksi benih beberapa sayuran indigenous/ Hidayat, I.M.; Kirana, R.; Gaswanto, R.; Kusmana (eds.). Jakarta: Puslitbanghor, 2006: p. 9-12, 1 ill

LABLAB PURPUREUS; CULTIVATION; HARVESTING; SEED PRODUCTION.

359 KIRANA, R. Budi daya dan produksi benih rosela (*Hibiscus sabdariffa*). [Cultivation and seed production of roselle (*Hibiscus sabdariffa*)]/ Kirana, R.; Gaswanto, R.; Hidayat, I.M.. Petunjuk teknis budi daya dan produksi benih beberapa sayuran indigenous/ Hidayat, I.M.; Kirana, R.; Gaswanto, R.; Kusmana (eds.). Jakarta: Puslitbanghor, 2006: p. 28-31, 1 ill., 2 ref.

HIBISCUS SABDARIFFA; CULTIVATION; HARVESTING; SEED PRODUCTION; POSTHARVEST TECHNOLOGY.

360 KIRANA, R. Budi daya dan produksi benih timun merah (*Coccinia grandis*). [Cultivation and seed production of *Coccinia grandis*]/ Kirana, R.; Gaswanto, R.; Hidayat, I.M. Petunjuk teknis budi daya dan produksi benih beberapa sayuran indigenous/ Hidayat, I.M.; Kirana, R.; Gaswanto, R.; Kusmana (eds.). Jakarta: Puslitbanghor, 2006: p. 13-15, 1 ill, 2 ref.

COCCINIA GRANDIS; CULTIVATION; HARVESTING; SEED PRODUCTION; POSTHARVEST TECHNOLOGY.

361 KOMARAWINATA, H.D. Budi daya dan pasca panen tanaman obat untuk meningkatkan kadar bahan aktif. [Cultivation and postharvest technology of drug plants to increase its active agents content]/ Komarawinata, H.D. (Kimia Farma, PT (Persero) Tbk., Jakarta Indonesia)). Perkembangan Teknologi Tanaman Rempah dan Obat (Indonesia) ISSN 1829-6289 (2006) v. 18(2) p. 100-106, 2 ill., 3 tables; 6 ref.

DRUG PLANTS; CULTIVATION; POSTHARVEST TECHNOLOGY; CHEMICAL COMPOSITION.

362 LESTARI, P. Pengaruh hormon asam indol asetat yang dihasilkan *Azospirillum* sp. terhadap perkembangan akar padi. Effect of indole acetic acid produced by *Azospirillum* sp. on rice root growth development/ Lestari, P.; Susilowati, D.N.; Riyanti, E.I. (Balai Besar Penelitian dan Pengembangan Bioteknologi dan Sumberdaya Genetik Pertanian, Bogor (Indonesia)). Jurnal AgroBiogen (Indonesia) ISSN 1907-1094 (2007) v. 3(2) p. 66-72, 2 ill., 8 tables; 26 ref.

ORYZA SATIVA; IAA; AZOSPIRILLUM; ROOTING.

363 MAHRUS. Pengaruh jarak tanam dan pemberian pupuk daun plant catalyst 2006 terhadap kacang hijau (*Vigna radiata* L.). Effect of plant spacing and foliar application of plant catalyst 2006 on the growth and yield of mungbean (*Vigna radiata* L.)/ Mahrus; Syakhril; Amjaya (Universitas Mulawarman, Samarinda (Indonesia). Fakultas Pertanian). Jurnal Budidaya Pertanian (Indonesia) ISSN 1829-572X (2006) v. 12(1) p. 51-57, 1 table; 14 ref.

VIGNA RADIATA RADIATA; FERTILIZERS; FOLIAR APPLICATION; SPACING; GROWTH; YIELDS.

364 MULYANI, R. Pengaruh konsentrasi zat pengatur tumbuh hobsanol 5 EC terhadap pertumbuhan dan hasil tanaman kedelai (*Glycine max* (L.) Merill). Effect of growth regulator of hobsanol 5 EC concentration on the growth and yield of soybean (*Glycine max* (L.) Merill)/ Mulyani, R. (Universitas Mulawarman, Samarinda (Indonesia). Fakultas Pertanian); Candra, K.P. Jurnal Budidaya Pertanian (Indonesia) ISSN 1829-572X (2006) v. 12(1) p. 58-67, 9 ill; 9 ref.

GLYCINE MAX; PLANT GROWTH SUBSTANCES; GROWTH; YIELDS.

365 NURYANI, Y. Karakteristik empat aksesi nilam. [Characteristic of four accessions of patchouli (*Pogostemon cablin*)]/ Nuryani, Y. (Balai Penelitian Tanaman Obat dan Aromatik, Bogor (Indonesia)). Buletin Plasma Nutfah (Indonesia) ISSN 1410-4377 (2006) v. 12(2) p. 45-49, 4 tables; 12 ref.

POGOSTEMON CABLIN; CHEMICOPHYSICAL PROPERTIES; LIPID CONTENT; QUALITY.

366 ROSMAN, R. Status teknologi budi daya kemiri. [Status of *Aleurites moluccana* cultivation technology]/ Rosman, R.; Djauhariya, E. (Balai Penelitian Tanaman Obat dan Aromatik, Bogor (Indonesia)). Perkembangan Teknologi Tanaman Rempah dan Obat (Indonesia) ISSN 1829-6289 (2006) v. 18(2) p. 55-66, 4 tables; 14 ref.

ALEURITES MOLUCCANA; TECHNOLOGY; CULTIVATION; DEVELOPMENT POLICIES.

367 ROSTAMAN. Prospek pembudidayaan jamur kayu di Kupang. [Prospect of edible fungi cultivation in Kupang]/ Rostaman; Hasan, A. (Politeknik Pertanian Negeri Kupang (Indonesia)). Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 266-269, 1 table; 9 ref.
633.1/.9:636/SEM/p

PLEUROTUS; EDIBLE FUNGI; CULTIVATION; GROWING MEDIA; AGRICULTURAL WASTES; RELATIVE HUMIDITY; MUSHROOM HOUSES; STERILIZING; HYGIENE; NUSA TENGGARA.

368 RUBIANTI, A. Produksi ternak dalam sistem pemeliharaan terpadu di Kebun Percobaan Lili, BPTP Nusa Tenggara Timur. [Livestock production on integrated rearing technique in Lili Experiment Station East Nusa Tenggara, Assessment Institute for Agricultural Technology]/ Rubianti, A.; Fernandez, P.T.; Marawali, H.H. (Balai Pengkajian Teknologi Pertanian Nusa Tenggara Timur, Kupang (Indonesia)). Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 318-324, 2 ill., 3 tables; 7 ref.
633.1/.9:636/SEM/p

CATTLE; LEUCAENA LEUCOCEPHALA; AGROPASTORAL SYSTEMS; ANIMAL HUSBANDRY METHODS; FEED CROPS; SUPPLEMENTS; BIOMASS; WEIGHT GAIN; PROBIOTICS; FEED CONVERSION EFFICIENCY; NUSA TENGGARA.

369 SUHARNO. Penerapan pendekatan PTT padi dalam peningkatan produksi beras di Sulawesi Tenggara mendukung program P2BN. [Application of integrated plant management approach in improving rice production in Southeast Sulawesi]/ Suharno (Balai Pengkajian Teknologi Pertanian Sulawesi Tenggara, Kendari (Indonesia)). Buletin Teknologi dan Informasi Pertanian Sulawesi Tenggara (Indonesia) ISSN 1829-815X (2007) v. 4 p. 8-13, 6 ref.

ORYZA SATIVA; RICE; INTEGRATED PLANT PRODUCTION; PRODUCTION; SULAWESI.

F02 PERBANYAKAN TANAMAN / PLANT PROPAGATION

370 TAJUDDIN, T. Penyediaan bibit tanaman jarak pagar (*Jatropha curcas* L.) dengan metode ex vitro. [Seed stocking of *Jatropha curcas* L. through ex vitro culture]/ Tajuddin, T.; Minaldi; Novita, L.; Haska, N. (Balai Pengkajian Bioteknologi, Jakarta (Indonesia)). Prosiding lokakarya ke-2 status teknologi tanaman jarak pagar (*Jatropha curcas* L.), Bogor, 29 Nop 2006/ Karmawati, E.; Wahyudi, A.; Effendi, D.S.; Maya, I.N.; Sumanto; Yusniarti; Mukhasim (eds.). Bogor: Puslitbangbun, 2007: p. 135-142, 10 ill.
633.853.3-117/LOK/p c2

JATROPHA CURCAS; SEEDLINGS; PLANTING STOCK; CULTURE TECHNIQUES; ROOTING; VESICULAR ARBUSCULAR MYCORRHIZAE.

371 YUNIYATI, N. Pengaruh media tumbuh terhadap pertumbuhan bibit jarak pagar (*Jatropha curcas* L.). [Effect of growing media on *Jatropha curcas* seed growth]/ Yuniyati, N.; Herman, M. (Balai Penelitian Tanaman Rempah dan Aneka Tanaman Industri, Sukabumi (Indonesia)). Prosiding lokakarya ke-2 status teknologi tanaman jarak pagar (*Jatropha curcas* L.), Bogor, 29 Nop 2006/ Karmawati, E.; Wahyudi, A.; Effendi, D.S.; Maya, I.N.; Sumanto; Yusniarti; Mukhasim (eds.). Bogor: Puslitbangbun, 2007: p. 239-243, 2 tables; 16 ref.
633.853.3-117/LOK/p c2

JATROPHA CURCAS; SEEDLINGS; GROWING MEDIA; CUTTINGS; GROWTH.

F03 PRODUKSI DAN PERLAKUAN BENIH / SEED PRODUCTION AND PROCESSING

372 ADIKADARSIH, S. Pengaruh kemasakan buah terhadap mutu benih jarak pagar (*Jatropha curcas* L.). [Effect of fruit maturity on the quality of *Jatropha curcas* L. seed]/ Adikadarsih, S.; Hartono, J. (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). Prosiding lokakarya ke-2 status teknologi tanaman jarak pagar (*Jatropha curcas* L.), Bogor, 29 Nop 2006/ Karmawati, E.; Wahyudi, A.; Effendi, D.S.; Maya, I.N.; Sumanto; Yusniarti; Mukhasim (eds.). Bogor: Puslitbangbun, 2007: p. 143-148, 1 ill., 3 tables; 6 ref.
633.853.3-117/LOK/p c2

JATROPHA CURCAS; SEED; HARVESTING DATE; QUALITY; LIPID CONTENT.

373 KRISNAWATI, A. Pengaruh suhu ruang simpan terhadap viabilitas benih kedelai hitam dan kuning. Effect of storage temperature on the viability of black and yellow soybean seeds/ Krisnawati, A. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)); Purwanti, S.; Rabaniyah, R. Peningkatan produksi kacang-

kacangan dan umbi-umbian mendukung kemandirian pangan, Malang 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 189-199, 1 ill., 5 tables; 10 ref.

GLYCINE MAX; VARIETIES; SEED; VIABILITY; STORAGE; TEMPERATURE; HEAT; COLD; DURATION; SEED CHARACTERISTICS; VIGOUR.

374 PONIMAN. Potensi hasil kacang tanah dan jagung dalam sistem tanaman tumpangsari di lahan kering Kabupaten Pati. Groundnut and corn yield potential in intercropping system in dryland Pati/ Poniman; Ichwan, A. (Loka Penelitian Pencemaran Lingkungan, Jakenan (Indonesia)); Murrinie, E.D. Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 320-330, 7 tables; 10 ref.

ARACHIS HYPOGAEA; ZEA MAYS; INTERCROPPING; WEEDING; POPULATION STRUCTURE; WEED CONTROL; YIELD COMPONENTS; YIELD INCREASES; DRY FARMING; JAVA.

375 SARI, M. Pengaruh Sarcotesta dan kadar air benih terhadap kandungan total fenol dan daya simpan benih pepaya (*Carica papaya* L.). Effect of Sarcotesta and seed moisture content on total phenolic content and longevity of *Carica papaya* seed/ Sari, M.; Suhartanto, M.R.; Murniati, E. (Institut Pertanian Bogor (Indonesia). Fakultas Pertanian). Buletin Agronomi (Indonesia) ISSN 0216-3403 (2007) v. 35(1) p. 44-49, 2 ill., 2 tables; 10 ref.

CARICA PAPAYA; SEED; GERMINATION INHIBITORS; VIABILITY; SEED MOISTURE CONTENT; PHENOLIC CONTENT; LONGEVITY.

376 SUDJINDRO. Informasi viabilitas benih jarak pagar (*Jatropha curcas* L.) IP-1A sebelum penyimpanan. [Viability information of *Jatropha curcas* L. seeds IP-1A before storage]/ Sudjindro; Adikadarsih, A. (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). Prosiding lokakarya ke-2 status teknologi tanaman jarak pagar (*Jatropha curcas* L.), Bogor, 29 Nop 2006/ Karmawati, E.; Wahyudi, A.; Effendi, D.S.; Maya, I.N.; Sumanto; Yusniarti; Mukhasim (eds.). Bogor: Puslitbangbun, 2007: p. 130-134, 2 ill., 5 ref. Appendices.
633.853.3-117/LOK/p c2

JATROPHA CURCAS; SEED; VIABILITY; SEED STORAGE; KEEPING QUALITY; DRYING; HARVESTING.

377 SUPRIATI, Y. Multiplikasi tunas belimbing dewi (*Averrhoa carambola*) melalui kultur *in vitro*. [Shoot multiplication of star fruit (*Averrhoa carambola*) by *in vitro* culture]/ Supriati, Y.; Mariska, I.; Mujiman (Balai Besar Penelitian dan Pengembangan Bioteknologi dan Sumberdaya Genetik Pertanian, Bogor (Indonesia)). Buletin Plasma Nutfah (Indonesia) ISSN 1410-4377 (2006) v. 12(2) p. 50-55, 4 tables; 12 ref.

AVERRHOA CARAMBOLA; SHOOTS; PLANT PROPAGATION; IN VITRO CULTURE; PACLOBUTRAZOL; GROWTH.

F04 PEMUPUKAN / FERTILIZING

378 ARAFAH. Kajian teknologi enzym revolusi agro pengelolaan tanaman terpadu di Sulawesi Selatan. [Assessment of enzyme technology in agro-revolution on integrated plant management in South Sulawesi]/ Arafah; Suhardi (Balai Pengkajian Teknologi Pertanian Sulawesi Selatan, Makassar (Indonesia)). Jurnal Pengkajian dan Pengembangan Teknologi Pertanian (Indonesia) ISSN 1410-959x (2007) v. 10(1) p. 68-75, 4 tables; 7 ref.

ORYZA SATIVA; FERTILIZERS; INTEGRATED PLANT PRODUCTION; ENZYMES; COST BENEFIT ANALYSIS; SULAWESI.

379 BINTORO, M.H. Peran pupuk organik dalam peningkatan produksi tanaman pangan. [Role of organic fertilizer on increasing food crops production]/ Bintoro, M.H.; Yani, H.; Maryati, A.T.; Syakir, M.; Nurhastuti; Alam, M.; Widhiastuti, R.; Zaitun; Muzirman. Prosiding seminar nasional sumber daya lahan pertanian, Bogor, 14-15 Sep 2006. Buku 1/ Subardja, D.S.; Saraswati, R.; Mamat, H.S.;

Sutrisno, N.; Setyorini, D.; Wahyunto; Sukarman; Ritung, S. (eds.). Bogor: BBSDLP, 2006: p. 175-184, 5 tables; 8 ref.
631.4/SEM/p

FOOD CROPS; ORGANIC FERTILIZERS; COMPOSTS; APPLICATION RATES; YIELDS.

380 DARAS, U. Pengaruh pemupukan terhadap produksi mete di Borongan, Flores, Nusa Tenggara Timur. [Effect of fertilizers on the cashew production in Borong, Flores, Nusa Tenggara]/ Daras, U.; Randriani, E. (Loka Penelitian Ternak Grati, Pasuruan (Indonesia)). Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 286-292.
633.1/.9:636/SEM/p

ANACARDIUM OCCIDENTALE; NPK FERTILIZERS; DOSAGE EFFECTS; APPLICATION RATES; PLANT RESPONSE; YIELDS; NUSA TENGGARA.

381 HELMI. Rekomendasi pemupukan padi sawah berdasarkan target hasil yang akan dicapai. Fertilizer recommendation for lowland rice based-on yield target approach/ Helmi (Balai Pengkajian Teknologi Pertanian Sumatera Utara, Medan (Indonesia)). Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian, Medan, 5 Jun 2007. Buku 1/ Sudana, W.; Moudar, D.; Jamil, A.; Yufdi, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S. (eds.). Bogor: BP2TP, 2007: p. 127-132, 6 tables; 8 ref.
631.152/SEM/p bk1

IRRIGATED RICE; FIELD SIZE; FERTILIZER APPLICATION; LAND SUITABILITY; NUTRITIONAL REQUIREMENTS; DOSAGE; CROPPING SYSTEMS; YIELDS.

382 HOSSAIN, K.L. Effect of different nitrogen and potassium rates on agronomic characters of *Aloe indica*/ Hossain, K.L.; Wadud, M.A.; Kashem, M.A.; Santosa, E.; Ali, M.S. Buletin Agronomi (Indonesia) ISSN 0216-3403 (2007) v. 35(1) p. 58-62, 2 tables; 13 ref.

ALOE; FERTILIZER APPLICATION; NITROGEN FERTILIZERS; POTASH FERTILIZERS; AGRONOMIC CHARACTERS; PROTEIN CONTENT.

383 INDRAYATI, L. Pengaruh residu fosfat alam Tunisia terhadap pH, P, Fe dan hasil padi di lahan sulfat masam. [Effect of Tunisia phosphate on the pH, P, Fe, and rice yield on acid sulphate soil]/ Indrayati, L.; Hairani, A.; Achmadi (Balai Penelitian Pertanian Lahan Rawa, Banjarbaru (Indonesia)). Prosiding inovasi teknologi mendukung peningkatan produksi pangan nasional dan pengembangan bioenergi untuk kesejahteraan masyarakat, Palembang, 9-10 Jul 2007. Buku 2/ Armanto, M.E.; Bamualim, A.; Subowo G.; Mulyani, E.S.; Jamal, E. (eds.). Bogor: BBP2TP, 2007: p. 449-453, 5 ill., 7 ref.
633.1/.4-115.2/SEM/p bk2

ORYZA SATIVA; RESIDUES; ROCK PHOSPHATE; YIELDS; ACID SULPHATE SOILS; KALIMANTAN.

384 KARIADA, I K. Kajian aplikasi pupuk organik terhadap produksi cabai merah di lahan kering dataran tinggi beriklim basah. [Assessment of organic fertilizer application on the chili production in humid climated dry highland]/ Kariada, I K. (Balai Pengkajian Teknologi Pertanian Bali, Denpasar (Indonesia)); Bire, A. Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 260-265, 4 tables; 8 ref.
633.1/.9:636/SEM/p

CAPSICUM ANNUUM; ORGANIC FERTILIZERS; FERTILIZER APPLICATION; APPLICATION RATES; PRODUCTION INCREASE; PRODUCTIVITY; DRY FARMING; HIGHLANDS; HUMID CLIMATE.

385 MAKARIM, A.K. Silikon: hara penting pada sistem produksi padi . [Silicon: essential nutrient on rice production system]/ Makarim,

A.K.; Suhartatik, E.; Kartohardjono, A. (Balai Besar Penelitian Tanaman Padi, Sukamandi (Indonesia)). Iptek Tanaman Pangan (Indonesia) ISSN 1907-4263 (2007) v. 2(2) p. 195-204, 3 tables; 11 ref.

ORYZA SATIVA; SILICON; DISEASE RESISTANCE; PEST RESISTANCE; SILICATES; FERTILIZERS.

386 MULYADI. Efektivitas penggunaan pupuk hayati dan kimia terhadap peningkatan hasil kentang pada Andosols di dataran medium. [Effectivity of biological and chemical fertilizers on the yield increase of potato in medium land]/ Mulyadi; Sutardi; Sudaryanto, B. Prosiding seminar nasional sumber daya lahan pertanian, Bogor, 14-15 Sep 2006. Buku 1/ Subardja, D.S.; Saraswati, R.; Mamat, H.S.; Sutrisno, N.; Setyorini, D.; Wahyunto; Sukarman; Ritung, S. (eds.). Bogor: BBSDLP, 2006: p. 129-141, 3 ill., 5 tables; 12 ref.
631.4/SEM/p

SOLANUM TUBEROSUM; BIOLOGICAL FERTILIZERS; INORGANIC FERTILIZERS; VARIETIES; DRY FARMING; SOIL CHEMICOPHYSICAL PROPERTIES.

387 MUNIP, A. Pemberian kapur untuk meningkatkan serapan hara dan hasil umbi beberapa klon ubi kayu di lahan kering masam yang ditanam secara tumpangsari dengan kacang tanah. Effect of liming on nutrient absorption and tuber yield of some cassava clones in acid upland soils with groundnut intercropping/ Munip, A.; Ispandi, A. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 301-311, 5 tables; 12 ref.

MANIHOT ESCULENTA; ARACHIS HYPOGAEA; INTERCROPPING; CLONES; LIMING; NUTRIENT UPTAKE; DOSAGE EFFECTS; TUBERS; YIELD COMPONENTS; DRY FARMING; ACID SOILS.

388 NURIDA, N.L. Pengaruh cara pemberian dan kualitas bahan organik terhadap sifat fisik tanah pada Ultisol Jasinga terdegradasi. [Effect of application method and quality of organic matter on the soil physical properties of degradated Ultisols]/ Nurida, N.L.; Kurnia, U.; Haridjaja, O. Prosiding seminar nasional sumber daya lahan pertanian, Bogor, 14-15 Sep 2006. Buku 1/ Subardja, D.S.; Saraswati, R.; Mamat, H.S.; Sutrisno, N.; Setyorini, D.; Wahyunto; Sukarman; Ritung, S. (eds.). Bogor: BBSDLP, 2006: p. 159-174, 1 ill., 7 tables; 13 ref.
631.4/SEM/p

ACRISOLS; SOIL CHEMICOPHYSICAL PROPERTIES; ORGANIC MATTER; QUALITY; APPLICATION METHODS.

389 PURNOMO, J. Respon pemupukan N, P, dan K pada tanah sawah dengan status hara P dan K rendah dari Jawa Barat. [Response of N, P, K fertilizers on irrigated land with low nutrient status of P and K from West Java]/ Purnomo, J.; Tuherkih, E. (Balai Penelitian Tanah, Bogor (Indonesia)). Prosiding inovasi teknologi mendukung peningkatan produksi pangan nasional dan pengembangan bioenergi untuk kesejahteraan masyarakat, Palembang, 9-10 Jul 2007. Buku 2/ Armanto, M.E.; Bamualim, A.; Subowo G.; Mulyani, E.S.; Jamal, E. (eds.). Bogor: BBP2TP, 2007: p. 434-438, 3 ill., 3 tables; 6 ref.
633.1/.4-115.2/SEM/p bk2

ORYZA SATIVA; IRRIGATION RICE; NPK FERTILIZERS; APPLICATION RATES; SOIL CHEMICOPHYSICAL PROPERTIES; GROWTH; YIELDS; JAVA.

390 PURWANI, J. Penerapan teknologi pupuk hayati dan pupuk bio-organik pada tanaman padi gogo di lahan kering masam Lampung. [Application of biological and organic fertilizers on upland rice in acid dry land in Lampung]/ Purwani, J.; Yuniarti, E.; Hastuti, R.D.; Nasution, I.; Prabowo, A.; Saraswati, R. Prosiding seminar nasional sumber daya lahan pertanian, Bogor, 14-15 Sep 2006. Buku 1/ Subardja, D.S.; Saraswati, R.; Mamat, H.S.; Sutrisno, N.; Setyorini, D.; Wahyunto; Sukarman; Ritung, S. (eds.). Bogor: BBSDLP, 2006: p. 185-202, 9 tables; 5 ref.
631.4/SEM/p

ORYZA SATIVA; UPLAND RICE; BIOLOGICAL FERTILIZERS; ORGANIC FERTILIZERS; VARIETIES;

TECHNOLOGY; SOIL MICROORGANISMS; SOIL CHEMICOPHYSICAL PROPERTIES; GROWTH; YIELD COMPONENTS; NUTRIENT UPTAKE.

391 SAMIJAN. Pengelolaan hara N, P dan K spesifik lokasi pada tanaman jagung di lahan kering Kabupaten Wonogiri. [N, P and K nutrient management on maize plant in dryland at Wonogiri Regency]/ Samijan; Supadmo; Pramono, J.; Reni P., T.; Miranti, D.P. Prosiding seminar nasional sumber daya lahan pertanian, Bogor, 14-15 Sep 2006. Buku 1/ Subardja, D.S.; Saraswati, R.; Mamat, H.S.; Sutrisno, N.; Setyorini, D.; Wahyunto; Sukarman; Ritung, S. (eds.). Bogor: BBSDLP, 2006: p. 245-260, 6 ill., 4 tables; 9 ref.
631.4/SEM/p

ZEA MAYS; NPK FERTILIZERS; SPACING; DRY FARMING; YIELDS; JAVA.

392 SANTI, L.P. Evaluasi aplikasi biofertilizer EMAS pada tanaman jagung di Pelaihari, Kalimantan Selatan. Evaluation of bio-fertilizer EMAS application in corn at Pelaihari, South Kalimantan/ Santi, L.P.; Sumaryono; Goenadi, D.H. (Balai Penelitian Bioteknologi Tanaman Perkebunan, Bogor (Indonesia)). Buletin Agronomi (Indonesia) ISSN 0216-3403 (2007) v. 35(1) p. 22-27, 4 tables; 15 ref.

ZEA MAYS; BIOFERTILIZERS; APPLICATION METHODS; NPK FERTILIZERS; MARGINAL LAND; INORGANIC FERTILIZERS; KALIMANTAN.

393 SEMBIRING, T. Pengkajian paket teknologi pemupukan padi sawah di Kabupaten Serdang Bedagai Sumatera Utara. [Assessment of fertilizer technology package for irrigated rice in Serdang Bedagai, North Sumatra]/ Sembiring, T.; Nainggolan, P.; Haloho, L. (Balai Pengkajian Teknologi Pertanian Sumatera Utara, Johor (Indonesia)). Prosiding inovasi teknologi mendukung peningkatan produksi pangan nasional dan pengembangan bioenergi untuk kesejahteraan masyarakat, Palembang, 9-10 Jul 2007. Buku 2/ Armanto, M.E.; Bamualim, A.; Subowo G.; Mulyani, E.S.; Jamal, E. (eds.). Bogor: BBP2TP, 2007: p. 543-547, 4 tables; 10 ref.
633.1/.4-115.2/SEM/p bk2

ORYZA SATIVA; IRRIGATED RICE; FERTILIZER APPLICATION; TECHNOLOGY; GROWTH; YIELDS; ECONOMIC ANALYSIS; SUMATRA.

394 SIAGIAN, D.R. Efektivitas pupuk NPK terhadap pertumbuhan dan produksi padi sawah di Kabupaten Deli Serdang. NPK fertilizer effectiveness for growth and production of rice plant in Deli Serdang Regency/ Siagian, D.R.; Girsang, S.S. (Balai Pengkajian Teknologi Pertanian Sumatera Utara, Medan (Indonesia)). Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian, Medan, 5 Jun 2007. Buku 1/ Sudana, W.; Moudar, D.; Jamil, A.; Yufdi, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S. (eds.). Bogor: BBP2TP, 2007: p. 194-199, 4 tables; 3 ref.
631.152/SEM/p bk1

IRRIGATED RICE; NPK FERTILIZERS; FERTILIZER APPLICATION; APPLICATION RATES; GROWTH; PRODUCTION INCREASE; SUMATRA.

395 SIRAPPA, M.P. Kajian pemberian pupuk NPK pada beberapa varietas unggul padi sawah di Seram Utara. [Assessment of NPK fertilizer application on lowland rice high yielding varieties in Seram Utara]/ Sirappa, M.P.; Rieuwpassa, A.J.; Waas, E.D. (Balai Pengkajian Teknologi Pertanian Maluku, Ambon (Indonesia)). Jurnal Pengkajian dan Pengembangan Teknologi Pertanian (Indonesia) ISSN 1410-959x (2007) v. 10(1) p. 48-56, 2 ill., 5 tables; 16 ref.

ORYZA SATIVA; HIGH YIELDING VARIETIES; FERTILIZER APPLICATION; NPK FERTILIZERS; GROWTH; YIELD COMPONENTS; CHEMICOPHYSICAL PROPERTIES; MALUKU.

396 SURYANTINI. Pemupukan N dan inokulasi rizobium pada tanaman kedelai di lahan sawah setelah padi dan setelah kedelai. [Effects of N fertilizer and rhizobium inoculation on soybean grown after rice]/ Suryantini (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.;

Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 280-291, 1 ill., 9 tables; 13 ref.

GLYCINE MAX; NITROGEN FERTILIZERS; INOCULATION; RHIZOBIUM; FERTILIZER APPLICATION; APPLICATION RATES; PLANT RESPONSE; IRRIGATED LAND.

397 SUWONO. Pengaruh pupuk "kalium majemuk plus" terhadap pertumbuhan dan hasil padi sawah. [Effect of K-Plus compound on the growth and yield of irrigated rice]/ Suwono; Budiono, R.; Kasijadi, F. (Balai Pengkajian Teknologi Pertanian Jawa Timur, Malang (Indonesia)). Buletin Teknologi dan Informasi Pertanian Jawa Timur (Indonesia) ISSN 1410-8976 (2005) v. 8 p. 55-62, 6 tables; 5 ref

ORYZA SATIVA; IRRIGATED RICE; POTASH FERTILIZERS; VARIETIES; GROWTH; YIELDS; ECONOMIC ANALYSIS.

398 TAUFIQ, A. Pemberian kapur dan pupuk kandang pada kedelai di lahan kering masam. Lime and manure application on soybean in acid dryland/ Taufiq, A.; Kuntyastuti, H.; Prahoro, C.; Wardani, T. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 215-228, 10 tables; 26 ref.

GLYCINE MAX; VARIETIES; DOLOMITE; FARMYARD MANURE; DOSAGE EFFECTS; FERTILIZER APPLICATION; YIELD INCREASES; DRY FARMING; ACID SOILS.

399 UTAMI, P.K. Peningkatan pertumbuhan dan mutu *Alpinia purpurata* melalui pupuk P dan K. Growth and flower quality improvement of *A. purpurata* through fertilization application of phosphate and potassium/ Utami, P.K.; Tedjasarwana, R.; Herlina, D. (Balai Penelitian Tanaman Hias, Cianjur (Indonesia)). Jurnal Hortikultura (Indonesia) ISSN 0853-7097 (2006) v. 16(4) p. 307-313, 1 ill., 3 tables; 14 ref.

ALPINIA PURPURATA; ORNAMENTAL PLANTS; CUT FLOWERS; GROWTH; QUALITY; PHOSPHATE FERTILIZERS; POTASH FERTILIZERS; CROP PERFORMANCE.

F06 IRIGASI / IRRIGATION

400 KESUMANINGWATI, R. Studi kelayakan kualitas air Sungai Sebakis untuk pengairan tanaman padi sawah (*Oryza sativa* L.). Study of water suitability of Sebakis River for irrigation of lowland rice (*Oryza sativa* L.)/ Kesumaningwati, R. (Universitas Mulawarman, Samarinda (Indonesia). Fakultas Pertanian). Jurnal Budidaya Pertanian (Indonesia) ISSN 1829-572X (2006) v. 12(1) p. 1-7, 3 tables; 11 ref.

ORYZA SATIVA; IRRIGATED RICE; IRRIGATION; WATER QUALITY; CHEMICOPHYSICAL PROPERTIES; JAVA.

F07 PENGOLAHAN TANAH / SOIL CULTIVATION

401 ADISARWANTO, T. Kajian keragaan saluran drainase di lahan petani terhadap pertumbuhan dan hasil kedelai. [Assessment of drainage canal in farmers land on the growth and yield of soybean]/ Adisarwanto, T.; Suhartina; Riwanodja; Kuntyastuti, H. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 292-300, 8 tables; 9 ref.

GLYCINE MAX; CANALS; DRAINAGE SYSTEMS; WATER MANAGEMENT; EFFICIENCY; SOIL CHEMICOPHYSICAL PROPERTIES; GROWTH; YIELD COMPONENTS.

402 FITRI, S.N.A. Pengaruh pengolahan tanah dan pemberian urea cair terhadap C-organik tanah N tanah dan air, serta produksi padi lebak. [Effect of tillage and liquid urea application on soil C-organic nitrogen in the soil and water and lowland rice production]/ Fitri, S.N.A.; Suita, L. (Universitas Sriwijaya, Palembang (Indonesia). Fakultas Pertanian).

Prosiding inovasi teknologi mendukung peningkatan produksi pangan nasional dan pengembangan bioenergi untuk kesejahteraan masyarakat, Palembang, 9-10 Jul 2007. Buku 2/ Armanto, M.E.; Bamualim, A.; Subowo G.; Mulyani, E.S.; Jamal, E. (eds.). Bogor: BBP2TP, 2007: p. 603-608, 6 tables; 5 ref.
633.1/.4-115.2/SEM/p bk2

ORYZA SATIVA; TILLAGE; UREA; LIQUIDS; FERTILIZERS; SOIL CHEMICOPHYSICAL PROPERTIES; YIELDS.

403 THAMRIN, T. Pengaruh intensitas pengolahan tanah dan frekuensi pemupukan urea terhadap pertumbuhan vegetatif padi gogo. [Influence of tillage intensity and urea fertilization frequency on vegetative growth of upland rice]/ Thamrin, T. (Balai Pengkajian Teknologi Pertanian Sumatera Selatan, Palembang (Indonesia)). Prosiding inovasi teknologi mendukung peningkatan produksi pangan nasional dan pengembangan bioenergi untuk kesejahteraan masyarakat, Palembang, 9-10 Jul 2007. Buku 2/ Armanto, M.E.; Bamualim, A.; Subowo G.; Mulyani, E.S.; Jamal, E. (eds.). Bogor: BBP2TP, 2007: p. 548-554, 6 tables; 15 ref.
633.1/.4-115.2/SEM/p bk2

ORYZA SATIVA; UPLAND RICE; TILLAGE; UREA; FERTILIZER APPLICATION; GROWTH.

F08 POLA TANAM DAN SISTEM PERTANAMAN / CROPPING PATTERNS AND SYSTEMS

404 BUDISANTOSO, E. Estimasi pertumbuhan rumput buffel (*Cenchus ciliaris*) dalam sistem intercropping dengan lamtoro (*Leucaena leucocephala*) dan effisiensi penggunaan air dengan simulasi dairymod. [Estimation of buffel grass growth on intercropping system with *Leucaena leucocephala* and water use efficiency by using dairymod simulation]/ Budisantoso, E.; Fernandez, P.T. (Balai Pengkajian Teknologi Pertanian Nusa Tenggara Timur, Kupang (Indonesia)). Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 383-391, 5 ill., 2 tables; 11 ref.
633.1/.9:636/SEM/p

CENCHRUS CILLIARIS; LEUCAENA LEUCOCEPHALA; INTERCROPPING; EFFICIENCY; WATER USE; DRAINAGE WATER; RUNOFF WATER; SIMULATION MODELS; BIOMASS; RAIN.

F30 GENETIKA DAN PEMULIAAN TANAMAN / PLANT GENETICS AND BREEDING

405 ADIE, M.M. Ragam hasil biji per tanaman dari beberapa varietas kedelai. Variation in individual seed yield of several soybean varieties/ Adie, M.M.; Susanto, G.W.A.; Riwanodja (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 70-76, 3 ill., 2 tables; 13 ref.

GLYCINE MAX; VARIETIES; GENETIC GAIN; AGRONOMIC CHARACTERS; VARIETY TRIALS; YIELD COMPONENTS; SEEDS.

406 AKMAL. Penampilan galur-galur unggul padi sawah di Pasar Miring, Deli Serdang, Sumatera Utara. Performance of the promissing line in low land area Pasar Miring Sub District of Deli Serdang District/ Akmal (Balai Pengkajian Teknologi Pertanian Sumatera Utara, Medan (Indonesia)). Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian, Medan, 5 Jun 2007. Buku 1/ Sudana, W.; Moudar, D.; Jamil, A.; Yufdi, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S. (eds.). Bogor: BBP2TP, 2007: p. 133-136, 3 tables; 8 ref.
631.152/SEM/p bk1

IRRIGATED RICE; PROGENY TESTING; ADAPTATION; LOWLAND; CROP PERFORMANCE; HIGH YIELDING VARIETIES; ADAPTABILITY; YIELD COMPONENTS; SUMATRA.

407 ANWARI, M. Persilangan buatan pada kacang hijau dengan penanda warna hipokotil. Hybridization of mungbean with hypocotyl colour as markers/ Anwari, M.; Iswanto, R. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)); Rahmayanti, I.O. Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 56-61, 2 tables; 11 ref.

VIGNA RADIATA RADIATA; HYBRIDIZATION; GENETIC MARKERS; HYPOCOTYLS; COLOUR; F1 HYBRIDS; FLOWERS; SELF POLLINATION.

408 ARSANA, I G.K.D. Pengkajian *shuttle breeding* kacang tanah di lahan kering beriklim kering dataran rendah Gerokgak-Buleleng. [Assessment of groundnut shuttle breeding in marginal lowland with dry climate in Gerokgak, Buleleng]/ Arsana, I G.K.D. (Balai Pengkajian Teknologi Pertanian Bali, Denpasar (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 200-204, 2 tables; 6 ref.

ARACHIS HYPOGAEA; BREEDING METHODS; VARIETY TRIALS; DISEASE RESISTANCE; GENOTYPE ENVIRONMENT INTERACTION; DRY FARMING; ARID CLIMATE; BALI.

409 ARSYAD, D.M. Analisis stabilitas galur-galur kedelai di lahan kering masam. Stability analysis of soybean breeding lines in dryland acid soils/ Arsyad, D.M.; Nur, A. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 156-163, 1 ill., 6 tables; 7 ref. Appendices.

GLYCINE MAX; PROGENY TESTING; GENETIC STABILITY; ADAPTATION; GENOTYPE ENVIRONMENT INTERACTION; DRY FARMING; ACID SOILS.

410 AZZAHRA, F. Penampilan beberapa genotipe kacang tanah di lahan lebak dangkal. [Performance of several groundnut genotypes in swamp land]/ Azzahra, F.; Koesrini (Balai Penelitian Tanaman Rawa, Banjarbaru (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 132-136, 2 tables; 5 ref.

ARACHIS HYPOGAEA; GENOTYPES; LAND VARIETIES; GENETIC RESISTANCE; SOIL WATER CONTENT; SOIL PH; CROP PERFORMANCE; ADAPTABILITY; HIGH YIELDING VARIETIES; SWAMP SOILS.

411 BAKHTIAR. Penapisan galur haploid ganda padi gogo hasil kultur antera untuk toleransi terhadap cekaman aluminium. Screening of doubled haploid upland rice lines generated from anther culture to aluminium tolerance/ Bakhtiar (Universitas Syiah Kuala, Banda Aceh (Indonesia). Fakultas Pertanian); Purwoko, B.S.; Trikoesoemaningtyas; Chozin, M.A.; Dewi, I.; Amir, M. Buletin Agronomi (Indonesia) ISSN 0216-3403 (2007) v. 35(1) p. 8-14, 1 ill., 3 tables; 28 ref.

ORYZA SATIVA; VARIETY TRIALS; HAPLOIDY; ANTHER CULTURE; ALUMINIUM; TOXICITY; RESISTANCE TO CHEMICALS.

412 BUDIYATI, E. Daya adaptasi beberapa varietas anggur (*Vitis vinifera*) di dataran tinggi. [Adaptability of some *Vitis vinifera* varieties in highland]/ Budiyati, E.; Amprilah, R.; Zainudin, A. (Balai Penelitian Tanaman Jeruk dan Buah Subtropika, Tlekung, Malang (Indonesia)). Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.).

Bogor: BBP2TP, 2006: p. 252-259, 2 ill., 3 tables; 10 ref.
633.1/.9:636/SEM/p

VITIS VINIFERA; VARIETY TRIALS; INTRODUCED VARIETIES; ADAPTABILITY; MILDEWS; UNCINULA NECATOR; BOTRYTIS CINEREA; DISEASE CONTROL; HIGHLANDS.

413 DEWI, I.S. Evaluasi ketahanan tanaman padi haploid ganda calon tetua padi hibrida terhadap wereng batang coklat dan hawar daun bakteri. Resistance evaluation of doubled haploid plants potential as hybrid rice parental lines to brown plant hopper and bacterial leaf blight/ Dewi, I.S.; Apriana, A.; Sisharmini, A.; Somantri, I.H. (Balai Besar Penelitian dan Pengembangan Bioteknologi dan Sumberdaya Genetik Pertanian, Bogor (Indonesia)). Buletin Agronomi (Indonesia) ISSN 0216-3403 (2007) v. 35(1) p. 15-21, 3 tables; 12 ref.

ORYZA SATIVA; HAPLOIDY; HYBRIDS; PEST RESISTANCE; NILAPARVATA LUGENS; XANTHOMONAS CAMPESTRIS; VARIETY TRIALS.

414 DWIMAHYANI, I. Penentuan media induksi dan regenerasi awal eksplan biji galur mutan jarak pagar generasi M2 secara in vitro. [Determining of induction media and earlier regeneration of mutant lines seed explant of *Jatropha curcas* M2 generation by in vitro culture]/ Dwimahyani, I.; Widiarsih, S.; Yulidar (Pusat Penelitian dan Pengembangan Teknologi Isotop dan Radiasi, Serpong (Indonesia)). Prosiding lokakarya ke-2 status teknologi tanaman jarak pagar (*Jatropha curcas* L.), Bogor, 29 Nop 2006/ Karmawati, E.; Wahyudi, A.; Effendi, D.S.; Maya, I.N.; Sumanto; Yusniarti; Mukhasim (eds.). Bogor: Puslitbangbun, 2007: p. 123-129, 3 ill., 2 tables; 19 ref.
633.853.3-117/LOK/p c2

JATROPHA CURCAS; SEEDS; EXPLANTS; INDUCED MUTATION; CULTURE MEDIA; IN VITRO REGENERATION; IN VITRO CULTURE.

415 ERYTHRINA. Keragaan varietas kedelai di lahan kering masam. Performance of soybean varieties under acid dryland/ Erythrina; Hafif, B.; Zaini, Z. (Balai Pengkajian Teknologi Pertanian Lampung, Bandar Lampung (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 331-339, 7 tables; 8 ref.

GLYCINE MAX; VARIETY TRIALS; ADAPTABILITY; GENOTYPE ENVIRONMENT INTERACTION; YIELD COMPONENTS; CROP PERFORMANCE; DRY FARMING; ACID SOILS.

416 HARSONO, A. Mekanisme ketahanan kacang tanah terhadap kekeringan. [Mechanism of drought tolerance in groundnut]/ Harsono, A.; Adisarwanto, T. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)); Tohari; Indradewa, D. Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 270-279, 7 ill., 2 tables; 15 ref.

ARACHIS HYPOGAEA; GENOTYPES; DROUGHT STRESS; DROUGHT RESISTANCE; GENETIC RESISTANCE; SOIL WATER CONTENT.

417 HENDRATA, R. Penampilan agronomis dan hasil adaptasi enam varietas mawar di dataran medium Kabupaten Sleman, DIY. [Agronomic and yield performance of adapted rosa varieties in medium land in Sleman]/ Hendrata, R.; Martini, T. (Balai Pengkajian Teknologi Pertanian Yogyakarta (Indonesia)). Prosiding seminar nasional hasil penelitian pertanian, Yogyakarta, 15 Sep 2006. Yogyakarta: UGM, 2006: p. 140-147, 1 ill; 3 tables; 7 ref.
631.001.6/SEM/r

ROSA; VARIETIES; AGRONOMIC CHARACTERS; GENOTYPE ENVIRONMENT INTERACTION; VIABILITY; ADAPTABILITY; YIELDS; JAVA.

418 IDRIS. Keragaan varietas unggul baru (VUB) padi dan masalah pengembangannya di Provinsi Sulawesi Tenggara. [Performance of new rice high yielding and its developing

problem in Southeast Sulawesi]/ Idris (Balai Pengkajian Teknologi Pertanian Sulawesi Tenggara, Kendari (Indonesia)). Buletin Teknologi dan Informasi Pertanian Sulawesi Tenggara (Indonesia) ISSN 1829-815X (2007) v. 4 p. 1-7, 3 tables; 8 ref.

ORYZA SATIVA; HIGH YIELDING VARIETIES; PLANT PRODUCTION; PRODUCTIVITY; YIELDS; SULAWESI.

419 ISWANTO, R. Parameter genetik galur-galur harapan kacang hijau di dua lingkungan. Genetic parameters of mungbean promising lines in two environments/ Iswanto, R.; Anwari, M. (Balai Penelitian Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 172-181, 7 tables; 12 ref.

VIGNA RADIATA RADIATA; GENETIC PARAMETERS; PROGENY; GENETIC VARIATION; HERITABILITY; GENOTYPE ENVIRONMENT INTERACTION; AGRONOMIC CHARACTERS.

420 JONHARNAS. Evaluasi beberapa varietas padi sawah di Tapanuli Selatan. Evaluation some pre eminent varieties of lowland rice in South Tapanuli/ Jonharnas; Akmal (Balai Pengkajian Teknologi Pertanian Sumatera Utara, Medan (Indonesia)). Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian, Medan, 5 Jun 2007. Buku 1/ Sudana, W.; Moudar, D.; Jamil, A.; Yufdi, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S. (eds.). Bogor: BBP2TP, 2007: p. 200-204, 2 tables; 5 ref.
631.152/SEM/p bk1

IRRIGATED RICE; VARIETY TRIALS; GENOTYPE ENVIRONMENT INTERACTION; HIGH YIELDING VARIETIES; ADAPTATION; SUMATRA.

421 JONHARNAS. Evaluasi serangan penyakit tungro pada beberapa varietas unggul padi di Tapanuli Selatan. [Evaluation of tungro disease infection on several rice high yielding varieties in South Tapanuli]/ Jonharnas; Ulina, E.S. (Balai Pengkajian Teknologi Pertanian Sumatera Utara, Medan (Indonesia)). Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian, Medan, 5 Jun 2007. Buku 1/ Sudana, W.; Moudar, D.; Jamil, A.; Yufdi, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S. (eds.). Bogor: BBP2TP, 2007: p. 205-209, 2 tables; 10 ref. Appendix.
631.152/SEM/p bk1

ORYZA SATIVA; HIGH YIELDING VARIETIES; GENETIC RESISTANCE; TUNGRO DISEASE; ADAPTATION; DISEASE TRANSMISSION; SUMATRA.

422 JUSUF, M. Adaptasi dan stabilitas hasil beberapa klon harapan ubi jalar. Adaptation and yield stability of sweet potato promising clones/ Jusuf, M.; Rahayuningsih, S.A.; Wahyuni, T.S.; Pambudi, S.; Santoso, G.; Restuono, J. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 114-120, 3 tables; 7 ref.

IPOMOEA BATATAS; CLONES; GENOTYPE ENVIRONMENT INTERACTION; ADAPTATION; CROP PERFORMANCE; YIELDS.

423 JUSUF, M. Seleksi klon-klon ubi jalar toleran kekeringan di Kapan, Kabupaten TTS, Nusa Tenggara Timur. [Selection of sweet potato clones tolerance to drought in Kapan, Timor Tengah Selatan Regency, East Nusa Tenggara]/ Jusuf, M.; Nurwiyati, K.; Hosang, E.Y. (Balai Penelitian Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 232-239, 1 table; 17 ref.
633.1/.9:636/SEM/p

IPOMOEA BATATAS; SELECTION; CLONES; DROUGHT RESISTANCE; DROUGHT STRESS; GENETIC RESISTANCE; YIELDS; HARVESTING LOSSES; NUSA TENGGARA.

424 KASNO, A. Seleksi simultan beberapa karakter pada populasi galur homosigot kacang tanah. Simultaneous selection of several traits of homozygous lines of groundnut/ Kasno, A.; Trustinah; Purnomo, J.; Nugrahaeni, N. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 1-11, 6 tables; 18 ref.

ARACHIS HYPOGAEA; PROGENY; SELECTION; HOMOZYGOTES; GENETIC RESISTANCE; AGRONOMIC CHARACTERS; HIGH YIELDING VARIETIES; DISEASE RESISTANCE; GENOTYPE ENVIRONMENT INTERACTION.

425 KOSMIATIN, M. Kultur embrio dan penggandaan kromosom hasil persilangan kacang hijau dan kacang hitam. Embryo culture and chromosome doubling of mungbean and black gram hybrid/ Kosmiatin, M.; Mariska, I. (Balai Besar Penelitian dan Pengembangan Bioteknologi dan Sumberdaya Genetik Pertanian, Bogor (Indonesia)). Jurnal Bioteknologi Pertanian (Indonesia) ISSN 0853-8360 (2005) v 10(1) p. 24-34, 2 ill., 3 tables; 19 ref. Appendix.

VIGNA RADIATA RADIATA; VIGNA MUNGO; INTERSPECIFIC HYBRIDIZATION; PLANT EMBRYOS; EMBRYO CULTURE; CHROMOSOME MANIPULATION.

426 LESTARI, A.P. Uji daya hasil pendahuluan dan mutu beras 21 padi hibrida harapan. Preliminary yield trials and grain quality of 21 promising hybrid rice/ Lestari, A.P. (Balai Besar Penelitian Tanaman Padi Bogor (Indonesia)); Aswidinnoor, H.; Suwarno. Buletin Agronomi (Indonesia) ISSN 0216-3403 (2007) v. 35(1) p. 1-7, 3 tables; 20 ref.

ORYZA SATIVA; VARIETY TRIALS; HYBRIDS; VARIETIES; QUALITY; YIELDS.

427 MUSALAMAH. Pengelompokan genotipe kacang hijau berdasarkan karakter kuantitatif. Grouping of mungbean genotypes based on quantitative characters/ Musalamah; Iswanto, R.; Anwari, M. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 182-188, 1 ill., 3 tables; 18 ref.

VIGNA RADIATA RADIATA; GENE POOLS; QUANTITATIVE GENETICS; GENETIC MARKERS; AGRONOMIC CHARACTERS.

428 NAFISAH. Keragaman genetik padi dan upaya pemanfaatannya dalam mendukung ketahanan pangan nasional. [Rice genetic variation and its utilization in supporting national food security]/ Nafisah; Daradjat, A.A.; Sembiring, H. (Balai Besar Penelitian Tanaman Padi, Sukamandi (Indonesia)). Prosiding lokakarya nasional pengelolaan dan perlindungan sumber daya genetik di Indonesia, Bogor, 20 Des 2006/ Diwyanto, K.; Subandriyo; Handiwirawan, E.; Agustina, L.; Kurniawaty, E.T. (eds.). Jakarta: Direktorat Jenderal Kerjasama Perdagangan Internasional Indonesia, 2006: p. 63-73, 7 tables; 23 ref.
631.52/636.082/LOK/p

ORYZA SATIVA; GENETIC VARIATION; GERMPLASM; CONSERVATION; HIGH YIELDING VARIETIES; FOOD SECURITY.

429 NOERWIJATI, K. Seleksi tanaman tunggal ubi kayu untuk hasil tinggi dan tahan hama tungau merah: II. pengelompokan klon. Single plant selection of cassava clones for high yield and resistance to red spider mite: II. clustering of the clones/ Noerwijati, K.; Sholihin; Hartojo, K. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.;

Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 121-131, 8 tables; 10 ref.

MANIHOT ESCULENTA; CLONES; SELECTION; PEST RESISTANCE; TETRANYCHUS URTICAE; HYBRIDIZATION; MIGRATORY PESTS; HIGH YIELDING VARIETIES; YIELD COMPONENTS; YIELDS.

430 NUR, A. Variabilitas genetik galur kedelai toleran kekeringan pada fase kecambah. Genetic variability of drought tolerant soybean line during the germination phase/ Nur, A.; Suhartina (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 164-171, 5 tables; 20 ref.

GLYCINE MAX; GENETIC VARIATION; PROGENY TESTING; DROUGHT RESISTANCE; GENETIC GAIN; HERITABILITY; POLYETHYLENE; GERMINABILITY.

431 POERWOKO, M.S. Seleksi kepadatan biji kedelai untuk peningkatan kandungan protein secara tak langsung. Selecting seed density to indirectly increase soybean seed protein content/ Poerwoko, M.S. (Universitas Jember (Indonesia). Fakultas Pertanian). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 205-213, 6 tables; 15 ref.

GLYCINE MAX; SELECTION; GENOTYPES; SEED CHARACTERISTICS; AGRONOMIC CHARACTERS; PROTEIN CONTENT; LIPID CONTENT; GENETIC CORRELATION.

432 PURNOMO, J. Seleksi galur kacang tanah tahan penyakit layu bakteri. Groundnut selection for bacterial wilt resistance/ Purnomo, J.; Trustinah; Nugrahaeni, N. (Balai Penelitian Tanaman Kacangan-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 97-105, 7 tables; 9 ref.

ARACHIS HYPOGAEA; PROGENY; SELECTION; DISEASE RESISTANCE; PSEUDOMONAS SOLANACEARUM; MATURATION; YIELD INCREASES.

433 RAHAYUNINGSIH, S.A. Kesesuaian klon ubi jalar pada sistem tanam tumpangsari dengan jagung. Compatibility of sweet potato clones under intercropping system with maize/ Rahayuningsih, S.A.; Yusuf, M.; Wahyuni, T.S. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 44-53, 1 ill., 4 tables; 9 ref.

IPOMOEA BATATAS; ZEA MAYS; CLONES; INTERCROPPING; AGRONOMIC CHARACTERS; CROP MANAGEMENT; YIELDS.

434 RAHMA, N.E. Respon beberapa varietas padi sawah lokal asal Krayan terhadap ketinggian genangan air berbeda. Response of some lowland rice varieties from Krayan on different water levels/ Rahma, N.E.; Nazari, A.P.D. (Universitas Mulawarman, Samarinda (Indonesia). Fakultas Pertanian); Prabowo, S. Jurnal Budidaya Pertanian (Indonesia) ISSN 1829-572X (2006) v. 12(1) p. 34-41, 2 tables; 16 ref.

ORYZA SATIVA; IRRIGATED RICE; VARIETIES; WATER LEVELS; PLANT RESPONSE.

435 RIYADI, I. Isolasi protoplas tanaman kacang panjang secara enzimatis. [Protoplast isolation of long bean (*Vigna sinensis* L.) by enzymes]/ Riyadi, I. (Balai Penelitian Bioteknologi Perkebunan Indonesia, Bogor (Indonesia)). Buletin Plasma Nutfah

(Indonesia) ISSN 1410-4377 (2006) v. 12(2) p. 62-68, 5 tables; 18 ref.

VIGNA UNGUICULATA UNGUICULATA; PROTOPLASTS; ISOLATION; ENZYMES.

436 RUSDIANSYAH. Identifikasi dan seleksi kultivar padi gogo lokal Kalimantan Timur. Identification and selection of local upland rice cultivated varieties (cultivar) of East Kalimantan/ Rusdiansyah (Universitas Mulawarman, Samarinda (Indonesia). Fakultas Pertanian). Jurnal Budidaya Pertanian (Indonesia) ISSN 1829-572X (2006) v. 12(1) p. 42-50, 1 ill., 5 tables; 6 ref.

ORYZA SATIVA; UPLAND RICE; VARIETIES; SELECTION; IDENTIFICATION; KALIMANTAN.

437 SARAGIH, Y.S. Uji resistensi beberapa kultivar markisa asam terhadap penyakit layu Fusarium. Resistance test of some passion fruit cultivars to Fusarium wilt/ Saragih, Y.S.; Silalahi, F.H.; Marpaung, A.E. (Kebun Percobaan Tanaman Buah Berastagi, Medan (Indonesia)). Jurnal Hortikultura (Indonesia) ISSN 0853-7097 (2006) v. 16(4) p. 321-326, 3 tables; 21 ref.

PASSIFLORA EDULIS; VARIETY TRIALS; DISEASE RESISTANCE; FUSARIUM; WILTS; TRICHODERMA KONINGII.

438 SARTIKA, T. Ayam nunukan: karakter genetik, fenotipe dan pemanfaatannya. Nunukan chicken: genetic characteristics, phenotype and its utilization/ Sartika, T. (Balai Penelitian Ternak, Bogor (Indonesia)); Sulandari, S.; Zein, M.S.A.; Paryanti, S. Wartazoa (Indonesia) ISSN 0216-6461 (2006) v. 16(4) p. 216-223, 2 ill., 5 tables; 12 ref.

CHICKENS; GENETICS; PHENOTYPES; KALIMANTAN.

439 SUHARTINA. Toleransi galur dan varietas kedelai terhadap cekaman kekeringan. [Tolerance of soybean lines and varieties to drought stress]/ Suhartina; Arsyad, D.M. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 137-144, 4 tables; 13 ref.

GLYCINE MAX; VARIETIES; PROGENY TESTING; DROUGHT STRESS; DROUGHT RESISTANCE; GENETIC DISTANCE; GROWTH PERIOD; YIELDS.

440 SUJIPRIHATI, S. Pendugaan nilai heterosis dan daya gabung beberapa komponen hasil pada persilangan dialel penuh enam genotipe cabai (*Capsicum annuum* L.). Estimation of heterosis and combining ability for yield components of six chili (*Capsicum annuum* L.) genotypes in full diallel crosses/ Sujiprihati, S.; Syukur, M. (Institut Pertanian Bogor (Indonesia). Fakultas Pertanian); Yunianti, R.; Undang. Buletin Agronomi (Indonesia) ISSN 216-3403 (2007) v. 35(1) p. 28-35, 6 tables; 16 ref.

CAPSICUM ANNUUM; GENOTYPES; DIALLEL ANALYSIS; COMBINING ABILITY; HETEROSIS; YIELD COMPONENTS.

441 SUJIPRIHATI, S. Pengembangan tanaman pepaya melalui pemuliaan partisipatif. [Papaya development through participative breeding]/ Sujiprihati, S.; Suhartanto, M.R.; Wagiono, J.K. (Institut Pertanian Bogor (Indonesia)). Prosiding seminar nasional hasil penelitian pertanian, Yogyakarta, 15 Sep 2006. Yogyakarta: UGM, 2006: p. 173-181, 28 ref.
631.001.6/SEM/r

CARICA PAPAYA; BREEDING METHODS; SEED PRODUCTION; SELECTION; HIGH YIELDING VARIETIES; FARM INCOME; QUALITY OF LIFE.

442 SUKMADJAJA, D. Teknik isolasi dan kultur protoplas tanaman padi. Isolation and culture techniques of rice protoplasts/ Sukmadjaja, D.; Sunarlim, N.; Lestari, E.G.; Roostika, I.; Suhartini, T. (Balai Besar Penelitian dan Pengembangan Bioteknologi dan Sumberdaya Genetik Pertanian, Bogor (Indonesia)). Jurnal AgroBiogen (Indonesia) ISSN 1907-1094 (2007) v. 3(2) p. 60-65, 4 ill., 2 tables; 18 ref.

ORYZA SATIVA; PROTOPLAST FUSION; HYBRIDS; ISOLATION; PURIFICATION; CULTURE TECHNIQUES; CULTURE MEDIA.

443 SUNDARI, T. Varian genetik dan heritabilitas karakter agronomis kacang hijau pada empat tingkat intensitas cahaya. Genetic variance and heritability of mungbean agronomic characters at four light intensity levels/ Sundari, T. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 88-96, 3 tables; 12 ref.

VIGNA RADIATA RADIATA; GENETIC PARAMETERS; LIGHT REGIMES; AGRONOMIC CHARACTERS; HERITABILITY; SELECTION.

444 SUPARTOPO. Seleksi generasi awal padi rawa pasang surut di Karang Agung Sumatera Selatan. [Selection of the first generation of tidal swamp rice in Karang Agung, South Sumatra]/ Supartopo; Kustianto, B.; Hairmansis, A.; Suwarno (Balai Besar Penelitian Tanaman Padi, Sukamandi (Indonesia)). Prosiding seminar nasional pertanian lahan rawa: revitalisasi kawasan PLG lahan rawa lainnya untuk membangun lumbung pangan nasional, Kuala Kapuas, 3-4 Aug 2007. Buku 1/ Mukhlis; Noor, M.; Supriyo, A.; Noor, I.; Simatupang, R.S. (eds.) Jakarta: Badan Litbang Pertanian, 2007: p. 329-338, 4 tables; 10 ref.
631.445.9/SEM/p bk1

ORYZA SATIVA; PROGENY; INTERTIDAL ENVIRONMENT; SWAMP SOILS; SUMATRA.

445 SUSANTO, G.W.A. Sidik lintas dan implikasinya pada seleksi kedelai. [Path analysis and its implication on soybean selection]/ Susanto, G.W.A.; Adie, M.M. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 12-22, 9 tables; 12 ref.

GLYCINE MAX; SELECTION CRITERIA; GENETIC CORRELATION; GENOTYPE ENVIRONMENT INTERACTION; AGRONOMIC CHARACTERS; YIELD COMPONENTS; STATISTICAL METHODS.

446 SUYAMTO. Evaluasi galur kedelai toleran kekeringan. Evaluation of soybean lines tolerant to drought/ Suyamto; Adisarwanto, T. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 62-69, 3 tables; 16 ref.

GLYCINE MAX; VARIETY TRIALS; DROUGHT RESISTANCE; SOIL WATER CONTENT; GROWTH; AGRONOMIC CHARACTERS; YIELD COMPONENTS; HARVESTING LOSSES.

447 TRUSTINAH. Pengelompokan plasma nutfah kacang tanah varietas lokal dengan teknik peubah ganda. Grouping of groundnut germplasm of local varieties using principal components/ Trustinah; Kasno, A.; Nugrahaeni, N. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 23-31, 6 tables; 11 ref.

ARACHIS HYPOGAEA; LAND VARIETIES; GERMPLASM COLLECTIONS; AGRONOMIC CHARACTERS; GENETIC MARKERS; DISEASE RESISTANCE; YIELD COMPONENTS.

448 TRUSTINAH. Tanggap populasi kacang tanah dan ketahanan terhadap penyakit karat. Response of groundnut population and resistance to rust diseases/ Trustinah; Kasno, A.; Purnomo, J.; Santoso, Y. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-

umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 33-34, 5 tables; 15 ref.

ARACHIS HYPOGAEA; CROSSING OVER; BACKCROSSING; SELECTION; PLANT RESPONSE; DISEASE RESISTANCE; RUSTS; AGRONOMIC CHARACTERS; HIGH YIELDING VARIETIES; PLANT POPULATION.

449 UTAMI, D.W. Analisis lokus kuantitatif sifat ketahanan penyakit bias pada populasi antar spesies IR64 dan *Oryza rufipogon*. QTL analysis of blast resistance trait in interspecific population between IR64 and *Oryza rufipogon*/ Utami, D.W. (Balai Besar Penelitian dan Pengembangan Bioteknologi dan Sumberdaya Genetik Pertanian, Bogor (Indonesia)); Moeljopawiro, S.; Aswidinnoor, H.; Setiawan, A.; Guhardja, E. Jurnal Bioteknologi Pertanian (Indonesia) ISSN 0853-8360 (2005) v. 10(1) p. 7-14, 8 ill., 1 table; 21 ref.

ORYZA SATIVA; ORYZA RUFIPOGON; BLIGHT; DISEASE RESISTANCE; GENETIC MARKERS; GENOTYPES.

450 UTAMI, D.W. Spektrum ketahanan galur haploid ganda turunan IR64 dan *Oryza rufipogon* yang mengandung QTL ketahanan terhadap penyakit blas (Pir). Resistance spectrum of double haploid lines derived from IR64 and wild rice species, *Oryza rufipogon* contained the blast resistance QTL (Pir)/ Utami, D.W.; Ambarwati, D.A.; Apriana, A.; Sisharmini, A.; Hanarida, I. (Balai Besar Penelitian dan Pengembangan Bioteknologi dan Sumberdaya Genetik Pertanian, Bogor (Indonesia)); Tharreau, D.; Santosa. Jurnal AgroBiogen (Indonesia) ISSN 1907-1094 (2007) v. 3(1) p. 1-8, 4 ill., 2 tables; 18 ref.

ORYZA SATIVA; ORYZA RUFIPOGON; VARIETIES; SPECIES; DISEASE RESISTANCE; BLIGHT.

451 WAHYUNI, T.S. Keragaan fenotipik dan pendugaan parameter genetik klon-klon harapan ubi jalar. Phenotypic performances and estimation of genetic parameters of sweet potato promising clones/ Wahyuni, T.S.; Rahayuningsih, S.A.; Jusuf, M. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 145-155, 5 tables; 10 ref.

IPOMOEA BATATAS; CLONES; GENETIC PARAMETERS; CULTIVATION; PHENOTYPES; HERITABILITY; AGRONOMIC CHARACTERS; CAROTENOIDS; HIGH YIELDING VARIETIES.

452 YAMIN S., M. Seleksi beberapa varietas padi untuk kuat batang dan ketahanan rebah tinggi. Selection for strength straw and lodging resistance in rice/ Yamin S., M.; Moentono, M.D. (Balai Penelitian Tanaman Padi, Sukamandi (Indonesia)). Ilmu Pertanian (Indonesia) ISSN 0126-4214 (2005) v. 12(2) p. 94-102, 3 tables; 15 ref.

ORYZA SATIVA; SELECTION; VARIETIES; LODGING RESISTANCE; STRENGTH; STRAW.

453 YULLIANIDA. Karakteristik hasil galur-galur kedelai umur genjah. Yield characteristic of early maturing soybean lines/ Yullianida; Susanto, G.A. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 77-87, 3 ill., 6 tables; 10 ref.

GLYCINE MAX; PROGENY TESTING; MATURATION; PRECOCITY; AGRONOMIC CHARACTERS; GENOTYPE ENVIRONMENT INTERACTION; YIELD COMPONENTS; HIGH YIELDING VARIETIES.

F50 STRUKTUR TANAMAN / PLANT STRUCTURE

454 HETHARIE, H. Karakterisasi morfologi bunga dan buah abnormal kelapa sawit (*Elaeis guineensis* Jacq) hasil kultur jaringan. Characterization of abnormal flower and fruit morphology of oil palm (*Elaeis guineensis* Jacq) tissue culture-derived plants/ Hetharie, H.; Wattimena, G.A.; Thenawidjaya S., M.; Aswidinnoor, H. (Institut Pertanian Bogor (Indonesia). Fakultas Pertanian); Toruan-Mathius, N.; Ginting, G. Buletin Agronomi (Indonesia) ISSN 0216-3403 (2007) v. 35(1) p. 50-57, 7 ill., 1 table; 18 ref.

ELAEIS GUINEENSIS; TISSUE CULTURE; FLOWERS; FRUIT; PLANT ANATOMY; GENETIC DISORDERS.

455 LIMBONGAN, J. Morfologi beberapa jenis sagu potensial di Papua. Morphological characteristics of some sago palms from Papua/ Limbongan, J. (Balai Pengkajian Teknologi Pertanian, Papua, Jayapura (Indonesia)). Jurnal Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4418 (2007) v. 26(1) p. 16-24, 2 ill., 6 tables; 20 ref. Appendix.

METROXYLON; PLANT ANATOMY; STARCH; QUALITY; PROCESSING; IRIAN JAYA.

F61 FISIOLOGI TANAMAN – HARA / PLANT PHYSIOLOGY – NUTRITION

456 HERIYANTO, N.M. Kajian ekologi dan potensi pasak bumi (*Eurycoma longifolia* Jack.) di kelompok hutan Sungai Manna-Sungai Nasal, Bengkulu. [Ecological study and potency of pasak bumi (*Eurycoma longifolia* Jack.) at Sungai Manna-Sungai Nasal forests group, Bengkulu/ Heriyanto, N.M.; Sawitri, R.; Subiandono, E. (Pusat Penelitian dan Pengembangan Hutan dan Konservasi Alam, Bogor (Indonesia)). Buletin Plasma Nutfah (Indonesia) ISSN 1410-4377 (2006) v. 12(2) p. 69-75, 5 tables; 14 ref.

DRUG PLANTS; BOTANICAL COMPOSITION; FOREST PRODUCTS; ECOLOGY; SUMATRA.

457 MANOI, F. Potensi kaktus sebagai tanaman obat. [Potential of cactus for traditional medicine]/ Manoi, F. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Tanaman Industri (Indonesia) ISSN 0853-8204 (2007) v. 13(1) p. 14-16, 1 ill.

CACTACEAE; DRUG PLANTS; CHEMICAL COMPOSITION; TRADITIONAL MEDICINES.

458 SYAHID, S.F. Keladi tikus (*Thyponium flagelliforme*), tanaman obat yang berpeluang menyembuhkan kanker. [Potential of *Thyponium flagelliforme* for cancer healing]/ Syahid, S.F. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Tanaman Industri (Indonesia) ISSN 0853-8204 (2007) v. 13(1) p. 20-22, 2 ill.

ARACEAE; DRUG PLANTS; NEOPLASM; ALKALOIDS; SAPONINS; STEROIDS; PLANT PROPAGATION.

459 WIJANARKO, A. Diagnosis status unsur hara pada tanaman kedelai di lahan masam menggunakan metode DRIS. Diagnosis of nutrient status of soybean crops in acid dryland using DRIS method/ Wijanarko, A.; Taufiq, A.; Kuntyastuti, H. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 243-257, 8 tables; 10 ref.

GLYCINE MAX; PLANT NUTRITION; NUTRITIONAL STATUS; NUTRIENT DEFICIENCIES; NUTRITIONAL REQUIREMENTS; LAND IMPROVEMENT; ACID SOILS.

F62 FISIOLOGI TANAMAN – PERTUMBUHAN DAN PERKEMBANGAN / PLANT PHYSIOLOGY – GROWTH AND DEVELOPMENT

460 NURHASANAH. Pengaruh air kelapa muda terhadap pertumbuhan setek tanaman nilam (*Pogostemon cablin* L. Benth). Effect of coconut water application on the growth of patchouli stem cutting (*Pogostemon cablin* L. Benth)/ Nurhasanah (Universitas Mulawarman, Samarinda (Indonesia).

Fakultas Pertanian). Jurnal Budidaya Pertanian (Indonesia) ISSN 18829-572X (2006) v. 12(1) p. 8-12, 1 table; 12 ref.

POGOSTEMON CABLIN; ESSENTIAL OIL CROPS; CUTTINGS; COCONUT WATER; GROWTH.

H10 HAMA TANAMAN / PESTS OF PLANTS

461 AFFANDI, A. Studi keanekaragaman populasi hama dan musuh alami tiga varietas padi sawah dengan jarak tanam berbeda. Study of pest and natural enemies population diversity on three varieties of lowland rice at different plant spacing/ Affandi, A.; Subiono, T.; Roeslan, A. (Universitas Mulawarman, Samarinda (Indonesia). Fakultas Pertanian). Jurnal Budidaya Pertanian (Indonesia) ISSN 1829-572X (2006) v. 12(1) p. 21-24, 1 table; 3 ref.

ORYZA SATIVA; IRRIGATED RICE; VARIETIES; LOWLAND; PREDATORS; PESTS OF PLANTS; NATURAL ENEMIES; SPACING.

462 CAHAYANTI, S.R. Pengaruh konsentrasi subletal *Bacillus thuringiensis* terhadap laju metabolisme *Helicoverpa armigera*. [Effect and sublethal concentration of *Bacillus thuringiensis* on the metabolism rate of *Helicoverpa armigera*]/ Cahayanti, S.R.; Trisyono, Y.A.; Martono, E. (Universitas Gadjah Mada, Yogyakarta (Indonesia)). Prosiding seminar nasional hasil penelitian pertanian, Yogyakarta, 15 Sep 2006. Yogyakarta: UGM, 2006: p. 148-153, 2 ill; 2 tables; 11 ref.
631.001.6/SEM/r

GOSSYPIUM; HELICOVERPA ARMIGERA; BACILLUS THURINGIENSIS; INSECTICIDES; MICROBIAL PESTICIDES; PESTICIDAL PROPERTIES; DOSAGE; MORTALITY; METABOLISM; FEED CONVERSION EFFICIENCY.

463 DARWIS, M. Hama dan penyakit utama jambu mente dan usaha pengendaliannya. [Main pests and diseases of cashew and its control effort]/ Darwis, M. (Balai Penelitian Tanaman Obat dan Aromatik, Bogor (Indonesia)). Perkembangan Teknologi Tanaman Rempah dan Obat (Indonesia) ISSN 1829-6289 (2006) v. 18(2) p. 67-77, 24 ref

ANACARDIUM OCCIDENTALE; DISEASE CONTROL; PEST CONTROL; PESTS OF PLANTS; PLANT DISEASES.

464 HASYIM, A. Efektivitas model dan ketinggian perangkap dalam menangkap hama lalat buah jantan, *Bactrocera* spp. Trap type and trap height effectiveness on catching male fruit flies, *Bactrocera* spp./ Hasyim, A.; Muryati (Balai Penelitian Tanaman Buah Tropika, Solok (Indonesia)); Kogel, W.J.D. Jurnal Hortikultura (Indonesia) ISSN 0853-7097 (2006) v. 16(4) p. 314-320, 2 ill., 1 table; 40 ref.

FRUIT CROPS; PEST CONTROL; BACTROCERA; TEPHRITIDAE; DIPTERA; TRAPS; CUCURBITACEAE.

465 PENJAHITAN, I.K.E. Pengaruh ekstrak daun kenikir (*Tagetes patula* L.) terhadap intensitas serangan hama tanaman kacang panjang (*Vigna sinensis* L.). Influence of morning gold (*Tagetes patula* L.) leaf extract application on the intensity of pest attacking stringbean (*Vigna sinensis* L.)/ Penjahitan, I.K.E; Thalib, S.; Sahid, A. (Universitas Mulawarman, Samarinda (Indonesia). Fakultas Pertanian). Jurnal Budidaya Pertanian (Indonesia) ISSN 1829-572X (2006) v. 12(1) p. 13-20, 4 tables; 12 ref.

VIGNA SINENSIS; BOTANICAL INSECTICIDES; PLANT EXTRACTS; TAGETES; LEAVES; PEST CONTROL; YIELDS.

466 SITUMORANG, S.M.T. Toksisitas minyak atsiri buah mahkota dewa (*Phaleria macrocarpa*) terhadap hama bubuk beras (*Sitophilus oryzae*). [Toxicity of *Phaleria macrocarpa* essential oil on *Sitophilus oryzae*]/ Situmorang, S.M.T.; Trisyono, A.; Martono, E. (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian). Prosiding seminar nasional hasil penelitian pertanian, Yogyakarta, 15 Sep 2006. Yogyakarta: UGM, 2006: p. 167-172, 3 tables.
631.001.6/SEM/r

THYMELAEACEAE; DRUG PLANTS; DICOTYLEDONS; ESSENTIAL OILS; TOXICITY; SITOPHILUS ORYZAE; MORTALITY; SURVIVAL.

467 SUASTIKA, I B.K. Masalah hama-penyakit padi dan penerapan pengendalian hama terpadu di Bali. [Problems of pest and disease of rice and its integrated control in Bali]/ Suastika, I B.K.; Kamandalu, A.A.N.B. (Balai Pengkajian Teknologi Pertanian Bali, Denpasar (Indonesia)). Bulletin Teknologi dan Informasi Pertanian BPTP Bali (Indonesia) ISSN 1693-1262 (2007) v. 5(16) p. 28-34 , 2 ill., 1 table; 19 ref.

ORYZA SATIVA; PESTS OF PLANTS; PLANT DISEASES; INTEGRATED CONTROL; BALI.

468 SULISTYOWATI, E. Pengaruh samping aplikasi *Paecilomyces fumosoroseus* terhadap semut hitam, *Dolichoderus thoracicus*, predator *Helopeltis antonii* dan penggerek buah kakao. Side effect of *Paecilomyces fumosoroseus* application on the black ant, *Dolichoderus thoracicus*, the predator of *Helopeltis antonii* and cocoa pod borer/ Sulistyowati, E.; Mufrihati, E. (Pusat Penelitian Kopi dan Kakao Indonesia, Jember (Indonesia)); Andayani, B. Pelita Perkebunan (Indonesia) ISSN 0215-0212 (2006) v. 22(2) p. 91-100, 2 ill., 3 tables; 9 ref.

THEOBROMA CACAO; PAECILOMYCES; BIOLOGICAL CONTROL AGENTS; HELOPELTIS ANTONII; PREDATORS; BIOLOGICAL CONTROL.

469 WINASIS, S. Analisis usaha warung makan kaki lima di sepanjang Jalan Kaliurang Kabupaten Sleman. [Analysis of food street hawker around Kaliurang Street, Sleman (Indonesia)]/ Winasis, S. Prosiding seminar nasional hasil penelitian pertanian, Yogyakarta, 15 Sep 2006. Yogyakarta: UGM, 2006: p. 154-166, 4 ref.
631.001.6/SEM/r

STREET FOODS; INFORMAL SECTOR; AGRICULTURAL ECONOMICS; ECONOMIC INDICATORS; SMALL ENTERPRISES; HOME ECONOMICS; INCOME; LABOUR PRODUCTIVITY; COST ANALYSIS; JAVA.

470 WIRYADIPUTRA, S. Penggunaan perangkap dalam pengendalian hama penggerek buah kopi (PBK0, *Hypothenemus hampei*). Use of trapping for controlling of coffee berry borer (*Hypothenemus hampei*)/ Wiryadiputra, S. (Pusat Penelitian Kopi dan Kakao Indonesia, Jember (Indonesia)). Pelita Perkebunan (Indonesia) ISSN 0215-0212 (2006) v. 22(2) p. 101-118, 11 ill., 3 tables; 23 ref.

COFFEA; HYPOTHENEMUS HAMPEI; TRAPPING; PEST CONTROL.

H20 PENYAKIT TANAMAN / PLANT DISEASES

471 ASAAD, M. Karakterisasi patogen CVPD pada tanaman jeruk dan vektor CVPD menggunakan teknik polymerase chain reaction. Detection of greening organisms in citrus plants and victor by polymerace chain reaction technique/ Asaad, M. (Balai Pengkajian Teknologi Pertanian Sulawesi Selatan, Makassar (Indonesia)). Jurnal Hortikultura (Indonesia) ISSN 0853-7097 (2006) v. 16(4) p. 327-335, 6 ill., 1 table; 15 ref.

CITRUS; VIROSES; SYMPTOMS; PATHOGENS; VECTORS; PCR.

472 NASRUN. Penyakit layu bakteri pada nilam dan strategi pengendaliannya. Bacterial wilt disease on patchouli and its control strategy/ Nasrun (Balai Penelitian Tanaman Obat dan Aromatik Lain, Solok (Indonesia). Kebun Percobaan); Nuryani, Y. Jurnal Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4418 (2007) v. 26(1) p. 9-15, 1 ill., 1 table; Bibliography: p. 13-15.

POGOSTEMON CABLIN; PSEUDOMONAS SOLANACEARUM; SYMPTOMS; BIOLOGICAL CONTROL; INTEGRATED CONTROL.

473 PARYOTO. Kajian epidemi penyakit hawar ranting choanephora (*Choanephora cucurbitarum*) pada tanaman cabai di Propinsi DIY. [Assessment on the epidemiology of choanephora disease on chili in Yogyakarta]/ Paryoto (Balai Proteksi Tanaman Pangan dan Hortikultura, Yogyakarta (Indonesia)); Priyatmojo, A.; Hadisutrisno, B. Prosiding seminar nasional hasil penelitian pertanian, Yogyakarta, 15 Sep 2006. Yogyakarta: UGM, 2006: p. 113-121, 4 ill; 2 tables; 8 ref.
631.001.6/SEM/r

CAPSICUM ANNUUM; CHOANEPHORA CUCURBITARUM; EPIDEMICS; DISEASE SURVEILLANCE; INFECTION;

HUMIDITY; PATHOGENICITY; CLIMATIC FACTORS; DISEASE TRANSMISSION; JAVA.

474 SANTOSO. Pengendalian penyakit blas dengan penggunaan fungisida Isoprotionalane 400 EC dan pupuk K. [Blast disease control by using Isoprotalionalane 400 EC fungicide and K fertilizer]/ Santoso; Anggiani; Amir, M. (Balai Besar Penelitian Tanaman Padi, Sukamandi (Indonesia)). Prosiding seminar nasional pertanian lahan rawa: revitalisasi kawasan PLG dan lahan rawa lainnya untuk membangun lumbung pangan nasional, Kuala Kapuas, 3-4 Aug 2007. Buku 1/ Mukhlis; Noor, M.; Supriyo, A.; Noor, I.; Simatupang, R.S. (eds.). Jakarta: Badan Litbang Pertanian, 2007: p. 355-362, 5 tables; 8 ref.
631.445.9/SEM/p bk1

ORYZA SATIVA; BLIGHT; DISEASE CONTROL; FUNGICIDES; POTASH FERTILIZERS.

475 SUMARTINI. Pengaruh ekstrak bahan nabati terhadap perkembangan penyakit karat (*Phakopsora pachyrhizi*) pada kedelai. Effect of botanical extracts on rust disease development (*Phakopsora pachyrhizi*) of soybean/ Sumartini; Yusnawan, E. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Jurnal Agrikultura (Indonesia) ISSN 0858-2885 (2005) v. 16(3) p. 175-180, 5 tables; 10 ref.

GLYCINE MAX; PHAKOPSORA PACHYRHIZI; BOTANICAL PESTICIDES; PLANT EXTRACTS; SHALLOTS.

476 WIDIARTA, I N. Integrasi pengendalian penyakit tungro dalam pengelolaan tanaman terpadu pada padi. [Integration of tungro disease control in integrated plant management of rice]/ Widiarta, I N. (Balai Besar Penelitian Tanaman Padi, Sukamandi (Indonesia)). Iptek Tanaman Pangan (Indonesia) ISSN 1907-4263 (2007) v. 2(1) p. 41-53, 3 tables; 33 ref.

ORYZA SATIVA; INTEGRATED PLANT PRODUCTION; TUNGRO DISEASE; DISEASE CONTROL.

H50 RAGAM KELAINAN PADA TANAMAN / MISCELLANEOUS PLANT DISORDERS

477 PURNOMO, J. Tingkat kehilangan hasil kacang tanah tipe Spanish dan Valencia akibat kekeringan. Yield losses on groundnut both Spanish and Valencia type due to drought/ Purnomo, J.; Trustinah; Nugrahaeni, N. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 106-113, 4 ill., 2 tables; 8 ref.

ARACHIS HYPOGAEA; PROGENY TESTING; DROUGHT RESISTANCE; DROUGHT STRESS; HARVESTING LOSSES; GENETIC RESISTANCE; PLANT RESPONSE; PRODUCTIVITY.

H60 GULMA DAN PENGENDALIAN GULMA / WEEDS AND WEED CONTROL

478 HIDAYATI M. Produksi bawang merah (*Allium ascalonicum* L.) akibat pemberian herbisida oxyfluorfen dan pupuk kandang. [Effects of oxyfluorfen herbicide and farmyard manure on the yield of shallot]/ Hidayati M. (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Agroland (Indonesia) ISSN 0854-641X (2006) v. 13(2) p. 145-150, 1 ill., 4 tables; 11 ref.

ALLIUM ASCALONICUM; HERBICIDES; OXYFLUORFEN; ORGANIC FERTILIZERS; FARMYARD MANURE; YIELD COMPONENTS; DIMENSIONS.

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

479 PANGESTUTI, R. Pengaruh suhu penyimpanan terhadap perubahan kwalitas dan umur simpan buah jeruk keprok SOE (*Citrus reticulata*) pada umur petik yang berbeda. [Effect of store temperature on the quality change and storage time of *Citrus reticulata* at different harvesting time]/ Pangestuti, R.; Supriyanto, A.; Suhariyono; Cahyono, A. (Balai Penelitian Tanaman Jeruk dan Buah Subtropika, Malang (Indonesia)).

Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 240-251, 7 ill., 3 tables; 14 ref.
633.1/.9:636/SEM/p

CITRUS RETICULATA; MANDARINS; STORAGE; TEMPERATURE; KEEPING QUALITY; DURATION; WEIGHT LOSSES; COLD STORAGE; ASCORBIC ACID; HARVESTING DATE; QUALITY.

480 SUROSO. Perubahan kualitas fisik beras selama penyimpanan. [Change of physical quality of rice during storage]/ Suroso; Sutrisno (Institut Pertanian Bogor (Indonesia)); Subarna; Budijanto, S. Prosiding seminar nasional inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 1: proses dan pengolahan hasil/ Munarso, J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 498-507, 11 ill., 8 ref.
631.57:631.152/SEM/p bk1

RICE; STORAGE; CHEMICOPHYSICAL PROPERTIES; QUALITY; MOISTURE CONTENT.

K10 PRODUKSI KEHUTANAN / FORESTRY PRODUCTION

481 RAMADHANIL. Tree diversity in primary forest of the Lore Lindu National Park Central Sulawesi, Indonesia/ Ramadhanil (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Agroland (Indonesia) ISSN 0854-641X (2006) v. 13(2) p. 151-157, 2 ill., 4 tables; 36 ref.

FOREST TREES; BIODIVERSITY; SPECIES; SILVICULTURE; FOREST PLANTATIONS; NATIONAL PARKS; SULAWESI.

482 SAWITRI, R. Pengaruh pengelolaan hutan produksi terhadap keragaman jenis plasma nutfah perairan. [Effect of production forest management on the diversity of aquatic germplasm]/ Sawitri, R.; Iskandar, S. (Pusat Penelitian dan Pengembangan Hutan dan Konservasi Alam, Bogor (Indonesia)). Buletin Plasma Nutfah (Indonesia) ISSN 1410-4377 (2006) v. 12(2) p. 76-82, 4 tables; 8 ref.

FOREST PRODUCTS; FOREST MANAGEMENT; BIODIVERSITY; FISHES; PLANKTON; GERMPLASM; LOGGING; COASTAL WATERS.

L01 PETERNAKAN / ANIMAL HUSBANDRY

483 AHMAD, S.N. Prospek pengembangan ayam buras berwawasan agribisnis di Kalimantan Tengah. [Prospect of native chicken development with agribusiness perspective in Central Kalimantan]/ Ahmad, S.N.; Siswansyah, D.D. (Balai Pengkajian Teknologi Pertanian Kalimantan Tengah, Palangkaraya (Indonesia)). Prosiding lokakarya nasional inovasi teknologi pengembangan ayam lokal, Semarang, 26 Aug 2005/ Subandriyo; Diwyanto, K.; Inounu, I.; Setiadi, B.; Zainuddin, D.; Priyanti, A.; Handiwirawan, E. (eds.). Bogor: Puslitbangnak, 2005: p. 171-183, 4 ill., 4 tables; 9 ref. Appendices.
636.58/LOK/p

CHICKENS; POULTRY FARMING; INTENSIVE HUSBANDRY; TRADITIONAL TECHNOLOGY; AGROINDUSTRIAL SECTOR; SOCIOECONOMIC DEVELOPMENT; DEMAND; KALIMANTAN.

484 BAKRI, B. Budi daya ayam buras lokal di wilayah perkotaan di DKI Jakarta. [Rearing of local native chicken in urban areas of Jakarta]/ Bakri, B.; Suwandi; Lotulung, B.V. (Balai Pengkajian Teknologi Pertanian, Jakarta (Indonesia)). Prosiding lokakarya nasional inovasi teknologi pengembangan ayam lokal, Semarang, 26 Aug 2005/ Subandriyo; Diwyanto, K.; Inounu, I.; Setiadi, B.; Zainuddin, D.; Priyanti, A.; Handiwirawan, E. (eds.). Bogor: Puslitbangnak, 2005: p. 184-195, 5 tables; 22 ref.
636.58/LOK/p

CHICKENS; POULTRY FARMING; NEW SPECIES; CROSSBREDS; FEEDING SYSTEMS; RATIONS; PROXIMATE COMPOSITION; APPROPRIATE TECHNOLOGY; URBAN AREAS; JAVA.

485 BAMUALIM, A. Potensi, masalah dan upaya pengembangan ternak sapi di lahan

kering. [Potency, problem and effort of cattle development in dryland]/ Bamualim, A.; Wirdahayati R.B. (Balai Pengkajian Teknologi Pertanian Sumatera Barat, Padang (Indonesia)). Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 307-317, 1 ill., 2 tables; 15 ref.
633.1/.9:636/SEM/p

CATTLE; ANIMAL HUSBANDRY METHODS; BREEDING METHODS; FEEDING SYSTEMS; TRADITIONAL TECHNOLOGY; FATTENING; EXTENSIVE HUSBANDRY; ARID ZONES; DRY FARMING.

486 KOTE, M. Dampak pemeliharaan ternak di kawasan Pantai Utara Kabupaten Timor Tengah Utara terhadap kelestarian sumber daya pesisir dan laut. [Impact of livestock rearing in north coastal area at Timor Tengah Utara on the coastal and marine resources conservation]/ Kote, M.; Ratnawaty, S. (Balai Pengkajian Teknologi Pertanian Nusa Tenggara Timur, Kupang (Indonesia)). Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 325-329, 2 tables; 7 ref.
633.1/.9:636/SEM/p

CATTLE; ANIMAL HUSBANDRY METHODS; COASTS; ENVIRONMENTAL IMPACT; EROSION CONTROL; FORAGE; LAND USE; COASTAL LAGOON.

487 RAHIM, L. Effect of environmental factors on ultrasonic estimates of carcass traits in Japanese black steers/ Rahim, L. (Universitas Hasanuddin, Makassar (Indonesia). Fakultas Peternakan). Jurnal Agroland (Indonesia) ISSN 0854-641X (2006) v. 13(2) p. 176-180, 6 tables; 12 ref.

CATTLE; CARCASSES; IRRADIATION; ULTRASONICS; ENVIRONMENTAL FACTORS; PERFORMANCE TESTING; ANIMAL PERFORMANCE.

488 RATNAWATI, S. Pengkajian usaha ternak sapi melalui perbaikan managemen pemeliharaan di Kabupaten Timor Tengah Utara. [Assessment of cattle farming system through improving of rearing management in Timor Tengah Utara Regency]/ Ratnawati, S. (Balai Pengkajian Teknologi Pertanian Nusa Tenggara Timur, Kupang (Indonesia)). Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 344-353, 4 ill., 3 tables; 4 ref.
633.1/.9:636/SEM/p

CATTLE; FEEDS; QUALITY; REARING TECHNIQUES; COPULATION; BREEDS; SELECTION; REPRODUCTIVE PERFORMANCE; MORTALITY; WEIGHT GAIN; NUSA TENGGARA.

489 RATNAWATI, S. Teknologi kandang kelompok menuju pertanian ramah lingkungan di Nusa Tenggara Timur. [Grouped animal housing technology toward environment friendly farming system in East Nusa Tenggara]/ Ratnawati, S. (Balai Pengkajian Teknologi Pertanian Nusa Tenggara Timur, Kupang (Indonesia)). Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 330-336, 1 ill., 2 tables; 11 ref.
633.1/.9:636/SEM/p

CATTLE; ANIMAL HUSBANDRY METHODS; BATTERY HUSBANDRY; ANIMAL HOUSING; TRADITIONAL TECHNOLOGY; ALTERNATIVE AGRICULTURE; GRAZING SYSTEMS; NUSA TENGGARA.

490 SAPTATI, R.A. Pendekatan ekonomi usaha ternak ayam lokal pada peternakan rakyat. [Economic approach of local chicken agribusiness in smallholder animal husbandry]/ Saptati, R.A.; Priyanti, A. (Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia)). Prosiding lokakarya nasional inovasi teknologi pengembangan ayam lokal, Semarang, 26 Aug 2005/

Subandriyo; Diwyanto, K.; Inounu, I.; Setiadi, B.; Zainuddin, D.; Priyanti, A.; Handiwirawan, E. (eds.). Bogor: Puslitbangnak, 2005: p. 205-216, 1 ill., 1 table; 14 ref. Appendices.
636.58/LOK/p

CHICKENS; POULTRY FARMING; SMALL FARMS; INTENSIVE HUSBANDRY; GROOS MARGINS; MICROECONOMIC ANALYSIS; COST ANALYSIS; EGG PRODUCTION; LAYER CHICKENS.

491 SUPRIADI, H. Kajian sosial ekonomi pengembangan ayam lokal di lahan marginal. [Socioeconomic assessment of local chicken development in marginal land]/ Supriadi, H. (Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia)); Zainuddin, D; Ketaren, P.P. Prosiding lokakarya nasional inovasi teknologi pengembangan ayam lokal, Semarang, 26 Aug 2005/ Subandriyo; Diwyanto, K.; Inounu, I.; Setiadi, B.; Zainuddin, D.; Priyanti, A.; Handiwirawan, E. (eds.). Bogor: Puslitbangnak, 2005: p. 217-227, 2 ill., 4 tables; 12 ref.
636.58/LOK/p

CHICKENS; DOMESTIC ANIMALS; POULTRY FARMING; EXTENSION ACTIVITIES; AGROPASTORAL SYSTEMS; TECHNOLOGY TRANSFER; MARGINAL LAND; SOCIOECONOMIC DEVELOPMENT; FARM INCOME; PRODUCTIVITY.

492 WINARSO, B. Tinjauan ekonomi ternak sapi potong di Jawa Timur. [Economic observation of beef cattle in East Java]/ Winarso, B.; Sajuti, R.; Muslim, C. (Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia)). Forum Penelitian Agro Ekonomi (Indonesia) ISSN 0216-4361 (2005) v. 23(1) p. 61-71, 1 table; 23 ref

BEEF CATTLE; ECONOMICS; ANIMAL POPULATION; AGROINDUSTRIAL SECTOR; TRADE; MARKETING; DEVELOPMENT POLICIES; JAVA.

L02 PAKAN HEWAN / ANIMAL FEEDING

493 BATUBARA, A. Pengaruh Bioplus terhadap penggemukan sapi bali yang digembalakan di perkebunan kelapa sawit. [Influence of Bioplus on bali cattle fattening in palm plantation]/ Batubara, A.; Agussalim S. (Balai Pengkajian Teknologi Pertanian Riau, Pekanbaru (Indonesia)). Prosiding seminar nasional sosialisasi hasil penelitian dan pengkajian pertanian, Medan, 21-22 Nov 2005/ Yufdy, M.P.; Danil, M.; Nainggolan, P.; Nazir, D.; Suryani, S.; Napitupulu, B.; Ginting, S.P.; Rusastra, I W. (eds.). Medan: PSEKP, 2006: p. 496-501, 1 ill., 2 tables; 9 ref.
631.17.001.5/SEM/p

BEEF CATTLE; PROBIOTICS; FATTENING; GRAZING; OIL PALM; PLANTATIONS; WEIGHT GAIN.

494 BINTANG, I A.K. Pengaruh penambahan beta-xilanase dan beta-glukanase terhadap performans ayam broiler. Effect of betha-xylanase dan betha-glucanase terhadap performans ayam broiler/ Bintang, I A.K.; Sinurat, A.P.; Ketaren, P.P. (Balai Penelitian Ternak, Bogor (Indonesia)). Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN 0853-7380 (2006) v. 11(2) p. 92-96, 2 tables; 16 ref.

BROILER CHICKENS; ANIMAL PERFORMANCE; RATIONS; FEED ADDITIVES; ENZYMES; CARCASSES.

495 DAUD, M. Identifikasi dan pemanfaatan bahan baku pakan lokal untuk pengembangan peternakan unggas di Nanggroe Aceh Darussalam pasca tsunami. [Identification and utilization of local feed material for poultry farming development in Nanggroe Aceh Darusalam after tsunami]/ Daud, M. (Universitas Abulyatama, Banda Aceh (Indonesia). Fakultas Pertanian). Prosiding Lokakarya Nasional Inovasi Teknologi Pengembangan Ayam Lokal, Semarang, 26 Aug 2005/ Subandriyo; Diwyanto, K.; Inounu, I.; Setiadi, B.; Zainuddin, D.; Priyanti, A.; Handiwirawan, E. (eds.). Bogor: Puslitbangnak, 2005: p. 163-168, 4 tables; 3 ref.
636.58/LOK/p

POULTRY FARMING; FEED RESOURCES; FEEDING SYSTEMS; CONCENTRATES; NUTRITIONAL REQUIREMENTS; RATIONS; AGRICULTURAL WASTES; WASTE UTILIZATION; SUMATRA.

496 IRIYANTI, N. Pengaruh penggunaan minyak ikan lemuru dan minyak kelapa sawit dalam pakan terhadap profil metabolisme lemak pada darah ayam kampung jantan. Use of Pacific menhaden oil and palm oil on lipid metabolism profile in blood serum of native cockerels/ Iriyanti, N. (Universitas Jenderal Soedirman, Purwokerto (Indonesia). Fakultas Peternakan); Zuprizal; Yuwanta, T.; Keman, S. Animal Production (Indonesia) ISSN 1411-2027 (2005) v. 7(2) p. 67-73, 1 ill., 2 tables; 21 ref.

CHICKENS; COCKS; FEEDS; FISH OILS; MENHADEN; PALM OILS; CHOLESTEROL; TRIGLYCERIDES; PROXIMATE COMPOSITION.

497 JELANTIK, I G.N. Tinjauan tentang strategi menekan angka kematian dan meningkatkan laju pertumbuhan pedet dalam rangka meningkatkan produktivitas sapi bali di Nusa Tenggara Timur. [Strategy on the suppressing mortality and increasing growth rate of calves in improving bali cattle productivity in East Nusa Tenggara]/ Jelantik, I G.N. (Universitas Nusa Cendana Kupang (Indonesia). Fakultas Peternakan). Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 354-362, 1 table; 26 ref.
633.1/.9:636/SEM/p

CALVES; CATTLE; PERINATAL PERIOD; MORTALITY; GROWTH RATE; SUPPLEMENTARY FEEDING; PARTURITION INTERVAL; NUTRIENT DEFICIENCIES; LACTATION NUMBER; MILK PERFORMANCE; REARING TECHNIQUES; NUSA TENGGARA.

498 KATIPANA, N.G.F. Manfaat biji asam, biji kosambi dan putak sebagai sumber energi pakan konsentrat terhadap parameter rumen sapi bali. [Potency of tamarin and kosambi and putak seed for concentrate energy sources on the rumen parameter of bali cattle]/ Katipana, N.G.F.; Manafe, J.I.; Hartati, E. (Universitas Nusa Cendana, Kupang (Indonesia). Fakultas Peternakan); Hau, D.K.; Nulik, J. Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 371-375, 3 tables; 13 ref.
633.1/.9:636/SEM/p

CATTLE; FEED RESOURCES; SEEDS; TAMARINDUS INDICA; CONCENTRATES; FEED CONSUMPTION; RUMEN DIGESTION; BACTERIA; RUMEN MICROORGANISMS; PROTOZOA; VOLATILE FATTY ACIDS.

499 LONDRA , I M. Pengaruh pemberian probiotik [Bio-Cas] terhadap penumbuhan sapi bali jantan. [Effect of biocas application on the growth of male bali cattle]/ Londra , I M. (Balai Pengkajian Teknologi Pertanian Bali, Denpasar (Indonesia)). Buletin Teknologi dan Informasi Pertanian Bali (Indonesia) ISSN 1693-1262 (2006) v. 4(12) p. 8-9, 1 ill., 1 table; 5 ref.

BEEF CATTLE; PROBIOTICS; GROWTH; WEIGHT GAIN.

500 LONDRA, I M. Pengaruh pemberian pakan terfermentasi terhadap pertumbuhan sapi bali. [Effect of fermented feed application on the growth of bali cattle]/ Londra, I M. (Balai Pengkajian Teknologi Pertanian Bali, Denpasar (Indonesia). Bulletin Teknologi dan Informasi Pertanian BPTP Bali (Indonesia) ISSN 1693-1262 (2007) v. 5(16) p. 16-18, 1 ill., 1 table; 7 ref.

BEEF CATTLE; FEEDS; FERMENTED PRODUCTS; GROWTH.

501 MARSETYO. Pengaruh suplementasi bijian sorghum yang mendapat perlakuan fisik terhadap produksi protein mikroba rumen sapi jantan bakalan yang diberi pakan rumput berkualitas rendah. Supplemental effect of physically processed sorghum grain on microbial protein production in the rumen of steers fed low quality forage/ Marsetyo (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Animal Production (Indonesia) ISSN 1411-2027 (2005) v. 7(2) p. 59-66, 2 tables; 24 ref.

CATTLE; SUPPLEMENTS; RUMEN; SORGHUM; SEEDS; GRAIN FEED; CHEMICAL COMPOSITION; QUALITY.

502 NULIK, J. Pemanfaatan pakan lokal NTT untuk menghasilkan daging sapi berkualitas. [Utilization of local feed of East Nusa Tenggara to produce qualified cow meat]/ Nulik, J.; Hau, D.K. (Balai Pengkajian Teknologi Pertanian Nusa Tenggara Timur, Kupang (Indonesia)). Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 363-370, 3 tables; 6 ref.
633.1/.9:636/SEM/p

CATTLE; FEEDS; INGREDIENTS; FEEDING PREFERENCES; FORAGE; LEGUMINOSAE; GRASSES; NUTRITIONAL REQUIREMENTS; NUTRITIVE VALUE; MEAT HYGIENE; MEAT YIELD; NUSA TENGGARA.

503 PASARIBU, T. Efektivitas bioaktif lidah buaya (*Aloe vera* Barbadensis) pada ayam petelur di tingkat peternak komersial. Effectiveness of *Aloe vera* Barbadensis bioactives on laying hens on commercial farmers/ Pasaribu, T.; Sinurat, A.P.; Purwadaria, T. (Balai Penelitian Ternak, Bogor (Indonesia)). Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN 0853-7380 (2006) v. 11(2) p. 85-91, 3 tables; 25 ref.

LAYER CHICKENS; RATIONS; FEED ADDITIVES; EGG PRODUCTION; QUALITY; ALOE BARBADENSIS; ANTIBIOTICS; FEED CONSUMPTION.

504 POHAN, A. Perkembangan penggemukan sapi bali melalui pendekatan kandang kolektif di Kecamatan Insana, Kabupaten TTU. [Development of bali cattle fattening through collective animal housing approach in Insana, Timor-Tengah Utara Regency)]/ Pohan, A.; Ratnawaty, S.; Marawali, H.H. (Balai Pengkajian Teknologi Pertanian Nusa Tenggara Timur, Kupang (Indonesia)). Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 337-343, 3 tables; 8 ref.
633.1/.9:636/SEM/p

CATTLE; REARING TECHNIQUES; FATTENING; BATTERY HUSBANDRY; ANIMAL HOUSING; FARMERS ASSOCIATIONS; FORAGING; WEIGHT GAIN; NUSA TENGGARA.

505 PUASTUTI, W. Bungkil kedelai terproteksi cairan batang pisang sebagai pakan imbuhan ternak domba: *in sacco* dan *in vivo*. Banana stem juice protected soy bean meal as feed supplement to sheep: *in sacco* and *in vivo*/ Puastuti, W.; Mathius, I W.; Yulistiani, D. (Balai Penelitian Ternak, Bogor (Indonesia)). Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN 0853-7380 (2006) v. 11(2) p. 106-115, 3 ill., 6 tables; Bibliography: p. 114-115

SHEEP; SOYBEAN MEAL; BANANAS; STEM; RATIONS; SUPPLEMENTS; IN SACCO EXPERIMENTATION; IN VITRO.

506 RATNAWATY, S. Silase sebagai pakan suplemen sapi penggemukan pada musim kemarau di Desa Usapinonot. [Silage as supplement for fattened cow at dry season in Usapinonot Village, East Nusa Tenggara]/ Ratnawaty, S.; Fernandez, P.T.; Nulik, J. (Balai Pengkajian Teknologi Pertanian Nusa Tenggara Timur, Kupang (Indonesia)). Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 392-396, 3 tables; 6 ref.
633.1/.9:636/SEM/p

CATTLE; FATTENING; SILASE MAKING; SUPPLEMENTS; FORAGE; FEEDS; PRESERVATION; NUTRITIONAL REQUIREMENTS; NUTRITIVE VALUE; DRY SEASON; WEIGHT GAIN; NUSA TENGGARA.

507 RESNAWATI, H. Kebutuhan pakan ayam kampung pada periode pertumbuhan. [Feed requirement for native chicken on growing periode]/ Resnawati, H.; Bintang, I.A.K. (Balai Penelitian Ternak, Bogor (Indonesia)). Prosiding lokakarya nasional inovasi teknologi pengembangan ayam lokal, Semarang, 26 Aug 2005/ Subandriyo; Diwyanto, K.; Inounu, I.; Setiadi, B.; Zainuddin, D.; Priyanti, A.; Handiwirawan, E.

(eds.). Bogor: Puslitbangnak, 2005: p. 138-141, 3 tables; 15 ref.
636.58/LOK/p

CHICKENS; DOMESTIC ANIMALS; REARING TECHNIQUES; TRADITIONAL TECHNOLOGY; NUTRITIONAL REQUIREMENTS; FEED CONSUMPTION; BODY WEIGHT; GROWTH PERIOD; FEED CONVERSION EFFICIENCY.

508 SIMANIHURUK, K. Pengaruh taraf kulit buah markisa (*Passiflora edulis* Sims f. edulis Deg) sebagai campuran pakan kambing kacang: 1. konsumsi, kecernaan dan retensi nitrogen. Effect of passion fruit hulls level (*Passiflora edulis* Sims f. edulis Deg) as kacang goat feed component: 1. intake digestibility and nitrogen retention/ Simanihuruk, K. (Loka Penelitian Kambing Potong, Sei Putih (Indonesia)); Wiryawan, K.G.; Ginting, S.P. Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN 0853-7380 (2006) v. 11(2) p. 97-105, 4 ill., 2 tables; 25 ref.

GOATS; RATIONS; PASSION FRUITS; CHEMICAL COMPOSITION; FEED CONSUMPTION; DIGESTIBILITY; NITROGEN RETENTION.

509 SURYANA. Pengembangan integrasi ternak ruminansia pada perkebunan kelapa sawit. Development of ruminant and oil palm plantation integration in South Kalimantan/ Suryana (Balai Pengkajian Teknologi Pertanian Kalimantan Selatan, Banjarbaru (Indonesia)). Jurnal Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4418 (2007) v. 26(1) p. 35-40, 6 tables; 28 ref.

RUMINANTS; OIL PALMS; PLANTATIONS; INTEGRATION; FEEDS; ANIMAL FEEDING.

510 WASITO. Peran penggemukan sapi dalam meningkatkan pendapatan petani kecil: kasus Desa Jatikesuma, Celawan, Kotapari di Sumatera Utara. [Role of cattle fattening in improving small farmer income: case in village of Jatikesuma, Celawan, Kotapari, North Sumatra]/ Wasito; Khairiah (Balai Pengkajian Teknologi Pertanian Sumatera Utara, Medan (Indonesia)). Prosiding seminar nasional sosialisasi hasil penelitian dan pengkajian pertanian, Medan, 21-22 Nov 2005/ Yufdy, M.P.; Danil, M.; Nainggolan, P.; Nazir, D.; Suryani, S.; Napitupulu, B.; Ginting, S.P.; Rusastra, I W. (eds.). Bogor: PSEKP, 2006: p. 556-565, 2 ill., 4 tables; 9 ref.
631.17.001.5/SEM/p

BEEF CATTLE; FATTENING; FARM INCOME; JAVA.

511 ZAINUDDIN, D. Suplementasi asam amino lisin dalam ransum basal untuk ayam kampung petelur terhadap bobot telur, daya tunas dan daya tetas serta korelasinya. [Lycine amino acid supplementation on basal rations for layer native chickens and hatchery and its correlation] on the egg weight/ Zainuddin, D.; Jannah, I.R. (Balai Penelitian Ternak, Bogor (Indonesia)). Prosiding lokakarya nasional inovasi teknologi pengembangan ayam lokal, Semarang, 26 Aug 2005/ Subandriyo; Diwyanto, K.; Inounu, I.; Setiadi, B.; Zainuddin, D.; Priyanti, A.; Handiwirawan, E. (eds.). Bogor: Puslitbangnak, 2005: p. 142-148, 4 ill., 4 tables; 20 ref.
636.58/LOK/p

CHICKENS; DOMESTIC ANIMALS; LAYER CHICKENS; RATIONS; SUPPLEMENTS; ESSENTIAL AMINO ACIDS; EGG PRODUCTION; EGG HATCHABILITY.

L10 GENETIKA DAN PEMULIAAN HEWAN / ANIMAL GENETICS AND BREEDING

512 DIWYANTO, K. Aplikasi teknologi inovatif sexing dalam program inseminasi buatan dan usaha *cow-calf operation*. Application of sexing technology in the artificial insemination program and cow calf operation/ Diwyanto, K. (Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia)); Herliantien. Wartazoa (Indonesia) ISSN 0216-6461 (2006) v. 16(4) p. 171-180, 2 ill., 4 tables; 26 ref.

COWS; CALVES; SEX DIAGNOSIS; ARTIFICIAL INSEMINATION; CROSSBREEDING.

513 SUNANDAR, N. Faktor-faktor yang berpengaruh terhadap permintaan bakalan/bibit sapi potong: studi kasus di Kabupaten Gunung Kidul. [Factors affecting beef cattle breed supply: case study in Gunung Kidul Regency]/ Sunandar, N. (Balai

Pengkajian Teknologi Pertanian Jawa Barat, Lembang (Indonesia)). Prosiding seminar nasional inovasi dan alih teknologi pertanian untuk pengembangan agribisnis industrial pedesaan di wilayah marjinal, Semarang, 8 Nop 2007. Buku 3: alih teknologi dan sosial ekonomi pertanian/ Muryanto; Prasetyo, T.; Prawirodigdo, S.; Yulianto; Hermawan, A.; Kushartanti, E.; Mardiyanto, S.; Sumardi (eds.). Bogor: BBP2TP, 2007: p. 627-632, 2 tables; 9 ref.

BEEF CATTLE; BREEDS (ANIMALS); PRICES.

L20 EKOLOGI HEWAN / ANIMAL ECOLOGY

514 PATTISELANNO, F. Efek frekuensi penaburan zeolit pada alas litter terhadap kualitas lingkungan kandang ayam pedaging. Effect of zeolite spreading frequency on litter base to housing quality of broiler/ Pattiselanno, F.; Randa, S.Y. (Universitas Negeri Papua, Manokwari (Indonesia). Fakultas Peternakan Perikanan dan Ilmu Kelautan). Animal Production (Indonesia) ISSN 1411-2027 (2005) v. 7(2) p. 89-94, 3 tables; 10 ref.

BROILER CHICKENS; ZEOLITES; LITTER FOR ANIMALS; ANIMAL HOUSING; QUALITY; ENVIRONMENT.

515 WIRDATETI. Pengamatan tingkah laku rusa Timor (*Cervus timorensis*) di PT Kuala Tembaga, Desa Aertembaga, Bitung-Sulawesi Utara. Behavioural study of Timor deer (*Cervus timorensis*) in PT Kuala Tembaga, Aertembaga Village, Bitung-North Sulawesi/ Wirdateti; Kundarmasno, A. (Pusat Penelitian Biologi-LIPI, Bogor (Indonesia)); Mansur, M. Animal Production (Indonesia) ISSN 1411-2027 (2005) v. 7(2) p. 121-126, 1 table; 10 ref.

CERVUS; BEHAVIOUR; FEEDING HABITS; SULAWESI.

L52 FISIOLOGI HEWAN – PERTUMBUHAN DAN PERKEMBANGAN / ANIMAL PHYSIOLOGY – GROWTH AND DEVELOPMENT

516 ISKANDAR, S. Pertumbuhan ayam-ayam lokal sampai dengan umur 12 minggu pada pemeliharaan intensif. [Growth of local chickens (until 12 weeks) on intensive reary]/ Iskandar, S. (Balai Penelitian Ternak, Bogor (Indonesia)). Prosiding lokakarya nasional inovasi teknologi pengembangan ayam lokal, Semarang, 26 Aug 2005/ Subandriyo; Diwyanto, K.; Inounu, I.; Setiadi, B.; Zainuddin, D.; Priyanti, A.; Handiwirawan, E. (eds.). Bogor: Puslitbangnak, 2005: p. 132-137, 4 tables; 22 ref.
636.58/LOK/p

CHICKENS; DOMESTIC ANIMALS; POULTRY FARMING; INTENSIVE HUSBANDRY; CROSSBREEDING; GENETIC GAIN; ANIMAL PERFORMANCE.

517 PRAHARANI, L. Evaluasi keragaan berat badan sapi bali umur 190 hari dan 350 hari. [Evaluation of bali cattle weight performance age 190 and 350 days]/ Praharani, L.; Juarini, E. (Balai Penelitian Ternak, Bogor (Indonesia)). Prosiding lokakarya nasional pengelolaan dan perlindungan sumber daya genetik di Indonesia, Bogor, 20 Des 2006/ Diwyanto, K.; Subandriyo; Handiwirawan, E.; Agustina, L.; Kurniawaty, E.T. (eds.). Jakarta: Ditjen Kerjasama Perdagangan Internasional, 2007: p. 168-174, 3 ill., 2 tables; 18 ref.

BEEF CATTLE; BODY WEIGHT; ANIMAL PERFORMANCE.

L53 FISIOLOGI HEWAN – REPRODUKSI / ANIMAL PHYSIOLOGY – REPRODUCTION

518 HERDIS. Optimalisasi waktu ekuilibrasi dan metode pencairan kembali pada proses pembekuan semen domba Garut (*Ovis aries*). Optimalization of equilibration and thawing methode on freezing process of Garut ram semen (*Ovis aries*)/ Herdis (Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia)); Toelihere, M.R.; Supriatna, I.; Purwantara, B.; Adikara, R.T.S. Animal Production (Indonesia) ISSN 1411-2027 (2005) v. 7(2) p. 81-88, 3 tables; 16 ref.

SHEEP; SEMEN; THAWING; FREEZING; SPERMATOZOA; MORTALITY.

519 NATAAMIJAYA, A.G. Kuantitas dan kualitas semen ayam Kampung dan Arab yang mendapat suplemen vitamin E (α-Tocopherol). Semen quality and quantity of

two fowl strains supplemented with vitamin E/ Nataamijaya, A.G. (Balai Pengkajian dan Pengembangan Teknologi Pertanian, Bogor (Indonesia)); Soetisna, A.; Rejeki, S. Animal Production (Indonesia) ISSN 1411-2027 (2005) v. 7(2) p. 74-80, 5 tables; 19 ref.

CHICKENS; INDIGENOUS ORGANISMS; SUPPLEMENTS; SEMEN; QUALITY; VITAMIN E; SPERMATOZOA.

520 RIZAL, M. Peranan beberapa jenis gula dalam meningkatkan kualitas semen beku domba garut. Role of various sugars in improving frozen semen quality of garut ram/ Rizal, M. (Universitas Pattimura, Ambon (Indonesia). Fakultas Pertanian); Herdis; Boediono, A.; Aku, A.S.; Yulnawati. Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN 0853-7380 (2006) v. 11(2) p. 123-130, 3 tables; Bibliography: p. 128-130.

RAMS; SEMEN; QUALITY; SUGARS; SPERMATOZOA.

521 WATTIMENA, J. Pengaruh serum domba estrus dan serum domba bunting terhadap produksi embrio domba *in vitro*. Effect of estrus and pregnant sheep serum on *in vitro* ovine embryo production/ Wattimena, J. Jurnal Ilmu Ternak dan Veteriner (Indonesia) ISSN 0853-7380 (2006) v. 11(2) p. 116-122, 3 tables; Bibliography: p. 120-122

SHEEP; PMSG; MATURATION; FERTILIZATION; IN VITRO; EMBRYONIC DEVELOPMENT.

L60 TAKSONOMI HEWAN DAN SEBARAN GEOGRAFIS / ANIMAL TAXONOMY AND GEOGRAPHY

522 GUFRONI, A.R.L.M. Potensi ayam tukong sebagai ayam lokal di Kalimantan Barat. [Potential of tukong chicken as local chicken of West Kalimantan (Indonesia)]/ Gufroni, A.R.L.M.; Ibrahim, T.M. (Balai Pengkajian Teknologi Pertanian Kalimantan Barat, Pontianak (Indonesia)). Prosiding lokakarya nasional inovasi teknologi pengembangan ayam lokal, Semarang, 26 Aug 2005/ Subandriyo; Diwyanto, K.; Inounu, I.; Setiadi, B.; Zainuddin, D.; Priyanti, A.; Handiwirawan, E. (eds.). Bogor: Puslitbangnak, 2005: p. 196-204, 1 ill; 6 tables; 10 ref.
636.58/LOK/p

CHICKENS; DOMESTIC ANIMALS; INDIGENOUS ORGANISMS; GEOGRAPHICAL DISTRIBUTIONS; GENETIC DISTANCE; ANIMAL MORPHOLOGY; REPRODUCTIVE PERFORMANCE; FEEDING HABITS; KALIMANTAN.

L70 ILMU VETERINER DAN HIGIENE – ASPEK UMUM / VETERINARY SCIENCE AND HYGIENE – GENERAL ASPECTS

523 IMANUEL, E. Penanganan luka bakar menggunakan berbagai jenis tanaman obat. [Burn wound healing by using various drug plants]/ Imanuel, E. (Balai Besar Pascapanen Pertanian, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Tanaman Industri (Indonesia) ISSN 0853-8204 (2007) v. 13(1) p. 16-18, 1 table.

DRUG PLANTS; BURNS; WOUNDS; HEALING; TRADITIONAL MEDICINES.

524 JOHNNY, F. Pengaruh vitamin B6 dalam pakan terhadap sistem kekebalan benih ikan kerapu bebek, *Cromileptes altivelis*. Effects of vitamin B6 on the immune system of humpback grouper juveniles, *Cromileptes altivelis*/ Johnny, F.; Giri, N.A.; Suwirya, K.; Roza, D. (Balai Besar Riset Perikanan Budidaya Laut, Gondol (Indonesia)). Jurnal Penelitian Perikanan Indonesia (Indonesia) ISSN 0853-5884 (2005) v. 11(1) p. 73-79, 4 ill., 1 table; 28 ref.

GROUPERS; JUVENILES; PYRIDOXINE; IMMUNITY; DIMENSIONS; FISH FEEDING; PROXIMATE COMPOSITION.

525 SUDARISMAN. Pencegahan penyakit virus pada hewan dengan vaksin mukosal. Mucosal vaccine for prevention of viral disease in animal/ Sudarisman (Balai Penelitian Veteriner, Bogor (Indonesia)). Wartazoa (Indonesia) ISSN 0216-6461 (2006) v. 16(4) p. 181-189, 1 ill., 4 tables; 38 ref.

ANIMALS; VIROSES; ANIMAL VIRUSES; DISEASE CONTROL; VACCINES; IMMUNIZATION.

L73 PENYAKIT HEWAN / ANIMAL DISEASES

526 DHARMAYANTI, N.L.P.I. Hubungan kekerabatan virus infectious bronchitis isolat lapang Indonesia. Genetic relationships of infectious bronchitis virus field isolates from Indonesia/ Dharmayanti, N.L.P.I.; Indriani, R. (Balai Penelitian Veteriner, Bogor (Indonesia)); Asmara, W.; Artama, W.T.; Darminto. Jurnal Bioteknologi Pertanian (Indonesia) ISSN 0853-8360 (2005) v. 10(1) p. 15-23, 3 ill., 1 table; 30 ref.

CHICKENS; BRONCHITIS; VIRUSES; FIELDS; PROTEIN ISOLATES; GENETICS; INDONESIA.

527 MULIANI. Karakterisasi, analisis gen 16S-rRNA bakteri BL542 dan evaluasi efek bakterisidanya terhadap *Vibrio harveyi* penyebab penyakit pada udang windu (*Penaeus monodon*). Characterization 16S-rRNA gene and analysis of bactericidal effect of BL542 against *V. harveyi* in tiger shrimp (*Penaeus monodon*)/ Muliani; Nurhidayah; Atmomarsono, M. (Balai Riset Perikanan Budidaya Air Payau, Maros (Indonesia)). Jurnal Penelitian Perikanan Indonesia (Indonesia) ISSN 0853-5884 (2005) v. 11(1) p. 59-71, 4 ill., 1 table; 38 ref.

PENAEUS MONODON; VIBRIO; FISH DISEASES; BACTERICIDES; MICROBIOLOGICAL ANALYSIS; ANTIBIOTIC PROPERTIES; ANTAGONISM.

528 NATALIA, L. Kerbau rawa di Kalimantan Selatan: permasalahan, penyakit dan usaha pengendalian. Swamp buffalo in South Kalimantan: problem, disease and control/ Natalia, L.; Suhardono; Priadi, A. (Balai Besar Penelitian Veteriner, Bogor (Indonesia)). Wartazoa (Indonesia) ISSN 0216-6461 (2006) v. 16(4) p. 206-215, 1 ill., 2 tables; 41 ref.

WATER BUFFALOES; ANIMAL DISEASES; DISEASE CONTROL.

529 PRASTOWO, J. Identifikasi antigen ekskresi-sekresi sporozoit *Eimeria tenella* dengan menggunakan antibodi monoklonal. Identification of excretory-secretory sporozoite antigens of *Eimeria tenella* with monoclonal antibody/ Prastowo, J.; Nurcahyo, W.; Kurniasih; Wasito, R. (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Kedokteran Hewan). Animal Production (Indonesia) ISSN 1411-2027 (2005) v. 7(2) p. 95-100, 2 ill., 13 ref.

CHICKENS; EIMERIA TENELLA; IMMUNE COMPLEXES; COCCIDIOSIS; MONOCLONAL ANTIBODIES.

530 SARI, D.W.K. Klonasi gen penyandi protein pembungkus mayor virus herpes koi. [Cloning of major envelope protein gene of koi herves virus]/ Sari, D.W.K; Murwantoko; Ngadiman (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian). Prosiding seminar nasional hasil penelitian pertanian, Yogyakarta, 15 Sep 2006. Yogyakarta: UGM, 2006: p. 105-112, 3 ill; 17 ref.
631.001.6/SEM/r

CYPRINUS CARPIO; ORNAMENTAL FISHES; MOLECULAR CLONING; GENETIC CODE; GENETIC TRANSFORMATION; ESCHERICHIA COLI; VACCINATION; HERPESVIRIDAE.

531 SENDOW, I. Penyakit bluetongue pada ruminansia: distribusi dan usaha pencegahannya di Indonesia. Bluetongue disease on ruminants: its distribution and prevention in Indonesia/ Sendow, I.; Bahri, S. (Balai Penelitian Veteriner, Bogor (Indonesia)). Jurnal Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4418 (2005) v. 24(2) p. 56-62, 1 table; 34 ref.

RUMINANTS; BLUETONGUE VIRUS; IMMUNOLOGICAL; ISOLATION; VECTORS; EPIDEMIOLOGY; DIAGNOSIS; DISEASE CONTROL; INDONESIA.

532 SETYA, R. Pengendalian penyakit antraks: diagnosis, vaksinasi dan investigasi. Control of anthrax disease: diagnosis, vaccination and investigation/ Setya, R.; Natalia, L. (Balai Besar Penelitian Veteriner, Bogor (Indonesia)). Wartazoa (Indonesia) ISSN 0216-6461 (2006) v. 16(4) p. 198-205, 1 ill., 1 table; 27 ref.

RUMINANTS; MANKIND; BACILLUS ANTHRACIS; ANIMAL DISEASES;

ZOONOSES; DISEASE CONTROL; DIAGNOSIS; VACCINATION.

533 SUFIRIYANTO. Uji *in vitro* dan *in vivo* ekstrak campuran mengkudu (*Morinda citrifolia*) dan bawang putih (*Allium sativum*) pada sapi penderita mastitis sub klinis. *In vitro* and *in vivo* test of extract of *Morinda citrifolia* and *Allium sativum* on subclinical mastitis cows/ Sufiriyanto; Indradji, M. (Universitas Jenderal Soedirman, Purwokerto (Indonesia). Fakultas Peternakan). Animal Production (Indonesia) ISSN 1411-2027 (2005) v. 7(2) p. 101-105, 2 ill., 13 ref.

DAIRY CATTLE; MASTITIS; ALLIUM SATIVUM; DRUG PLANTS; PLANT EXTRACTS; IN VITRO; IN VIVO EXPERIMENTATION; MILK PRODUCTION; QUALITY; TRADITIONAL MEDICINES.

534 UTAMI, A.S.J. Diare pada sapi. [Diarrhea infection on cattle]/ Utami, A.S.J. (Balai Pengkajian Teknologi Pertanian Bali, Denpasar (Indonesia). Bulletin Teknologi dan Informasi Pertanian BPTP Bali (Indonesia) ISSN 1693-1262 (2007) v. 5(16) p. 24-25, 4 ref.

BEEF CATTLE; DIARRHOEA; SYMPTOMS.

N20 MESIN DAN PERALATAN PERTANIAN / AGRICULTURAL MACHINERY AND EQUIPMENT

535 HASTONO, A.D. Rekayasa mesin pemecah buah jarak pagar (*Jatropha curcas* L.). [Engineering of fruit cracker equipment of *Jatropha curcas* fruit]/ Hastono, A.D.; Tirtosastro, S.; Subandi (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). Prosiding lokakarya ke-2 status teknologi tanaman jarak pagar (*Jatropha curcas* L.), Bogor, 29 Nop 2006/ Karmawati, E.; Wahyudi, A.; Effendi, D.S.; Maya, I.N.; Sumanto; Yusniarti; Mukhasim (eds.). Bogor: Puslitbangbun, 2007: p. 228-232, 1 ill., 2 tables; 3 ref.
633.853.3-117/LOK/p c2

JATROPHA CURCAS; FRUITS; POSTHARVEST EQUIPMENT; FRUIT CRACKING; EQUIPMENT PERFORMANCE; CHEMICOPHYSICAL PROPERTIES; QUALITY.

536 SUGIRI, M.B. Pengembangan pemerah berulir skala kecil untuk ektraksi minyak jarak (*Jatropha curcas* L.). [Development of small scale pressing equipment for castor oil extraction]/ Sugiri, M.B. (Tracon Industri, PT., Jakarta (Indonesia)). Prosiding lokakarya ke-2 status teknologi tanaman jarak pagar (*Jatropha curcas* L.), Bogor, 29 Nop 2006/ Karmawati, E.; Wahyudi, A.; Effendi, D.S.; Maya, I.N.; Sumanto; Yusniarti; Mukhasim (eds.). Bogor: Puslitbangbun, 2007: p. 213-216, 2 tables.
633.853.3-117/LOK/p c2

CASTOR OIL; POSTHARVEST EQUIPMENT; PRESSES; PRESSURE EXTRACTION; PRESSING.

537 UNADI, A. Rancang bangun mesin pasteurisasi puree. [Design of fruit puree pasteurization machine]/ Unadi, A. (Balai Besar Pengembangan Mekanisasi Pertanian, Serpong (Indonesia)); Setyadjit; Sukasih, E. Prosiding seminar nasional teknologi inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 2: alsin, sosek dan kebijakan/ Munarso, S.J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 877-889, 7 ill., 2 tables; 11 ref. Appendices.
631.57:631.152/SEM/p bk 2

MANGOES; ANNONA MURICATA; LIMES; STRAWBERRIES; FRUIT PULPS; POSTHARVEST EQUIPMENT; PASTEURIZING; DESIGN; PROTOTYPES; TEMPERATURE; THERMAL ENERGY; KEEPING QUALITY.

538 WIBOWO, S.A. Pisau sadap mekanis: cara penggunaan dan keunggulannya. [Mechanical tapping knife: its application method and superiority]/ Wibowo, S.A.; Sumarmadji. Warta Perkaretan (Indonesia) ISSN 0852-8985 (2005) v. 24(1) p. 37-40, 2 ill., 3 ref.

HEVEA BRASILIENSIS; TAPPING; EQUIPMENT; DESIGN; APPLICATION METHODS.

539 WIDYOTOMO, S. Optimasi mesin sangrai tipe silinder horizontal untuk penyangraian biji kakao. Optimizing of a horizontal cylinder type cocoa roaster for dried cocoa cotyledon roasting/ Widyotomo,

S.; Sri-Mulato; Suharyanto, E. (Pusat Penelitian Kopi dan Kakao Indonesia, Jember (Indonesia)). Pelita Perkebunan (Indonesia) ISSN 0215-0212 (2006) v. 22(2) p. 136-58, 13 ill., 4 tables; 23 ref.

COCOA BEANS; POSTHARVEST EQUIPMENT; ROASTING; QUALITY; EQUIPMENT TESTING.

540 WIRAWAN, S.S. Pengembangan alat pengolahan hasil jarak pagar (*Jatropha curcas* L.). [Development of *Jatropha curcas* processing equipment]/ Wirawan, S.S.; Solikhah, M.D.; Fariza, O. (Balai Rekayasa Desain dan Sistem Teknologi, Serpong (Indonesia)). Prosiding lokakarya ke-2 status teknologi tanaman jarak pagar (*Jatropha curcas* L.), Bogor, 29 Nop 2006/ Karmawati, E.; Wahyudi, A.; Effendi, D.S.; Maya, I.N.; Sumanto; Yusniarti; Mukhasim (eds.). Bogor: Puslitbangbun, 2007: p. 233-238, 3 ill., 3 tables; 8 ref.
633.853.3-117/LOK/p c2

JATROPHA CURCAS; CASTOR OIL; PROCESSING; POSTHARVEST EQUIPMENT; BIOFUELS; CHEMICOPHYSICAL PROPERTIES; PURIFICATION; QUALITY.

541 YUSUF, A. Kajian kelayakan alat tanam benih langsung (ATABELA) IRRI seeder. [Feasibility study of direct seeding (ATABELA) IRRI seeder]/ Yusuf, A. (Balai Pengkajian Teknologi Pertanian Sumatera Utara, Medan (Indonesia)). Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian, Medan, 5 Jun 2007. Buku 1/ Sudana, W.; Moudar, D.; Jamil, A.; Yufdi, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S. (eds.). Bogor: BBP2TP, 2007: p. 165-170, 1 ill., 3 tables; 6 ref. Appendix.
631.152/SEM/p bk1

ORYZA SATIVA; DIRECT SOWING; SEED DRILLS; PLANTING EQUIPMENT; EFFICIENCY; PRODUCTION COSTS.

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

542 DJAENUDIN, D. Potensi sumber daya lahan untuk perluasan areal tanaman pangan di Kabupaten Merauke. [Potential land resources for food crops intensification in Merauke Regency]/ Djaenudin, D. (Balai Besar Sumberdaya Lahan Pertanian, Bogor (Indonesia)). Iptek Tanaman Pangan (Indonesia) ISSN 1907-4263 (2007) v. 2(2) p. 180-194, 9 tables; 19 ref.

ORYZA SATIVA; ZEA MAYS; GLYCINE MAX; LAND RESOURCES; LESS FAVOURED AREAS; CLIMATES; HYDROLOGY; GEOLOGY; AGROECOSYSTEMS; LAND USE.

543 SUPRIYO, A. Identifikasi potensi sumber daya lahan mendukung Prima Tani di lahan pasang surut: studi kasus Desa Telang Rejo, Kabupaten Banyuasin. [Identification of land resources potential to support Prima Tani in tidal land: case study at Telang Rejo Village, Banyuasin District]/ Supriyo, A.; Alkusuma (Balai Penelitian Pertanian Lahan Rawa, Banjarbaru (Indonesia)). Prosiding inovasi teknologi mendukung peningkatan produksi pangan nasional dan pengembangan bioenergi untuk kesejahteraan masyarakat, Palembang, 9-10 Jul 2007. Buku 2/ Armanto, M.E.; Bamualim, A.; Subowo G.; Mulyani, E.S.; Jamal, E. (eds.). Bogor: BBP2TP, 2007: p. 358-372, 8 ill., 7 tables; 6 ref.
633.1/.4-115.2/SEM/p bk2

SUMATRA; LAND RESOURCES; IDENTIFICATION; SOIL ANALYSIS; TIDES; LAND USE; INTERTIDAL ENVIRONMENT.

P06 SUMBER DAYA ENERGI TERBARUKAN / RENEWABLE ENERGY RESOURCES

544 ANSORI N., M. Biodiesel sebagai bahan bakar alternatif masa depan. [Biodiesel as alternative fuel in the future]/ Ansori N., M.; Herawan, T.; Darnoko, D.; Erningpraja, L. Warta Pusat Penelitian Kelapa Sawit (Indonesia) ISSN 0853-2141 (2005) v. 13(2) p. 1-5, 4 ill., 7 ref.

BIOFUELS; FUEL CROPS; OIL PALMS; DEVELOPMENT POLICIES.

P10 PENGELOLAAN DAN SUMBER DAYA AIR / WATER RESOURCES AND MANAGEMENT

545 HARIJANTO, H. Studi tentang laju angkutan sedimen pada Sungai Miu Kabupaten Donggala. [Study on rates of stream flow discharge and suspended sediment load in Miu River, Donggala Regency/ Harijanto, H. (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Agroland (Indonesia) ISSN 0854-641X (2006) v. 13(2) p. 158-162, 2 ill., 1 table; 9 ref.

SULAWESI; WATERSHEDS; RIVERS; WATERFALLS; SEDIMENT WATER INTERFACE; WATER LEVELS.

P33 KIMIA DAN FISIKA TANAH / SOIL CHEMISTRY AND PHYSICS

546 AJKURI. Sifat kimia tanah dan kadar garam di daerah pesisir pantai terhadap hasil tanaman kelapa (*Cocos nucifera* L.). Soil chemical and salinity on coast plain on the yield of coconut (*Cocos nucifera* L.)/ Ajkuri; Arham; Makrawie (Universitas Mulawarman, Samarinda (Indonesia). Fakultas Pertanian). Jurnal Budidaya Pertanian (Indonesia) ISSN 1829-572X (2006) v. 12(1) p. 25-33, 4 tables; 8 ref.

COCOS NUCIFERA; SOIL CHEMICOPHYSICAL PROPERTIES; SOIL SALINITY; YIELDS; COASTAL PLAINS.

547 ALWI, M. Karakteristik kimia lahan gambut dangkal dan potensinya untuk pertanaman cabai dan tomat. Chemical characteristic of shallow peat and its potency for red pepper and tomato/ Alwi, M.; Hairani, A. (Balai Penelitian Pertanian Lahan Rawa, Banjarbaru (Indonesia)). Buletin Agronomi (Indonesia) ISSN 0216-3403 (2007) v. 35(1) p. 36-43, 5 ill., 4 tables; 11 ref.

CAPSICUM ANNUUM; LYCOPERSICON ESCULENTUM; PEATLANDS; SOIL CHEMICOPHYSICAL PROPERTIES; NUTRIENT UPTAKE; FERTILIZER APPLICATION.

548 JAMIL, A. Karakteristik tanah selama masa pertanaman padi tabur benih langsung di Sumatera Utara. [Soil characteristic during direct sowing rice plantation period in North Sumatra (Indonesia)]/ Jamil, A. (Balai Pengkajian Teknologi Pertanian Sumatera Utara, Medan (Indonesia)). Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian, Medan, 5 Jun 2007. Buku 1/ Sudana, W.; Moudar, D.; Jamil, A.; Yufdi, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S. (eds.). Bogor: BBP2TP, 2007: p. 143-149, 3 tables; 14 ref. Appendix.
631.152/SEM/p bk1

ORYZA SATIVA; DIRECT SOWING; PHOSPHATE FERTILIZERS; FARMYARD MANURE; FERTILIZER APPLICATION; SOIL FERTILIZER; SOIL CHEMICOPHYSICAL PROPERTIES; SUMATRA.

549 JAMIL, A. Sifat tanah selama masa pertanaman padi tanam pindah di Langkat. Soil properties during transplanted rice cultivation period in Langkat/ Jamil, A. (Balai Pengkajian Teknologi Pertanian Sumatera Utara, Medan (Indonesia)). Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian, Medan, 5 Jun 2007. Buku 1/ Sudana, W.; Moudar, D.; Jamil, A.; Yufdi, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S. (eds.). Bogor: BBP2TP, 2007: p. 150-158, 4 tables; 23 ref. Appendix.
631.152/SEM/p bk1

ORYZA SATIVA; TRANSPLANTING; PHOSPHATE FERTILIZERS; FARMYARD MANURE; FERTILIZER APPLICATION; SOIL FERTILITY; SOIL CHEMICOPHYSICAL PROPERTIES; RAINFED FARMING; SUMATRA.

550 MULYADI. Pengaruh residu bahan organik dan olah tanah terhadap hasil kedelai setelah padi walik jerami sawah tadah hujan. Effect of organic residues and soil tillage on yield of soybean grown after transplant rice in rainfed lowlands/ Mulyadi; Pramono, A. (Loka Penelitian Pencemaran Lingkungan Pertanian, Jakenan (Indonesia)); Dadang, Q. Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 312-319, 1 ill., 4 tables; 12 ref.

GLYCINE MAX; ORGANIC MATTER; RICE STRAW; TILLAGE; ORGANIC FERTILIZERS; RESIDUES; FARMYARD MANURE; APPLICATION RATES;

GROWTH RATE; YIELD INCREASES; RAINFED FARMING.

551 MULYADI. Dinamika dan ketersediaan kalium dari jerami yang dikomposkan dan tidak dikomposkan pada Ultisol ditanami jagung. [Dynamic and availability of potassium from composted and uncomposted straw on rice in Ultisols]/ Mulyadi. Prosiding seminar nasional sumber daya lahan pertanian, Bogor, 14-15 Sep 2006. Buku 1/ Subardja, D.S.; Saraswati, R.; Mamat, H.S.; Sutrisno, N.; Setyorini, D.; Wahyunto; Sukarman; Ritung, S. (eds.). Bogor: BBSDLP, 2006: p. 223-243, 1 ill., 5 tables; 32 ref.
631.4/SEM/p

ZEA MAYS; POTASSIUM; RICE STRAW; SOIL CHEMICOPHYSICAL PROPERTIES; ACRISOLS; COMPOSTING; POTASH FERTILIZERS; APPLICATION RATES; GROWTH; QUALITY.

552 PARTOYO. Analisis indeks kualitas tanah pertanian di lahan pasir pantai Samas Yogyakarta. Analysis of soil quality index for sand dune agriculture land at Samas Yogyakarta/ Partoyo (Universitas Pembangunan Nasional "Veteran", Yogyakarta (Indonesia)). Ilmu Pertanian (Indonesia) ISSN 0126-4214 (2005) v. 12(2) p. 141-152, 6 tables; 7 ref.

JAVA; SANDY SOILS; SOIL ANALYSIS; QUALITY; FARMLAND; USES; SOIL CHEMICOPHYSICAL PROPERTIES.

553 PURWANINGRAHAYU, R.D. Hubungan tingkat kadar air tanah dengan pemberian bagas dan KCl terhadap pertumbuhan dan hasil kacang hijau. Effect of soil moisture content and combination of bagas and KCl application on the growth and yield of mungbean/ Purwaningrahayu, R.D.; Radjit, B.S. (Balai Penelitian Tanaman Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 258-269, 7 tables; 22 ref.

VIGNA RADIATA RADIATA; SOIL WATER CONTENT; BAGASSE; POTASH FERTILIZERS; POTASSIUM CHLORIDE; APPLICATION RATES; GROWTH; SOIL CHEMICOPHYSICAL PROPERTIES; YIELD COMPONENTS.

554 SUHARTA, N. Sistem lahan Barongtongkok di Kalimantan: potensi, kendala, dan pengembangannya untuk pertanian lahan kering. Barongtongkok land system in Kalimantan: potential, constraint, and its development for dryland agriculture/ Suharta, N. (Balai Besar Penelitian dan Pengembangan Sumberdaya Lahan Pertanian, Bogor (Indonesia)). Jurnal Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4418 (2007) v. 26(1) p. 1-8, 3 ill., 3 tables; 46 ref.

KALIMANTAN; SOIL CHEMICOPHYSICAL PROPERTIES; AGROECOSYSTEMS; BASALTIC SOILS; DRY FARMING.

555 WIJANARKO, A. Karakteristik sifat kimia dan fisika tanah Alfisol di beberapa lokasi di Jawa Timur dan Jawa Tengah. Characteristic of soil physical and chemical properties of Alfisol at some location at East and Central Java/ Wijanarko, A.; Sudaryono; Sutarno (Balai Penelitian Kacang-kacangan dan Umbi-umbian, Malang (Indonesia)). Peningkatan produksi kacang-kacangan dan umbi-umbian mendukung kemandirian pangan, Malang, 25-26 Jul 2005/ Suharsono; Makarim, A.K.; Rahmianna, A.A.; Adie, M.M.; Taufiq, A.; Rozi, F.; Tastra, I K.; Harnowo, D. (eds.). Bogor: Puslitbangtan, 2006: p. 229-242, 13 tables; 16 ref.

JAVA; SOIL CHEMICOPHYSICAL PROPERTIES; LUVISOLS; SOIL STRUCTURE; SOIL TEXTURE; CATIONS; ION EXCHANGE CAPACITY.

556 YUNIARTI, E. Fungi lignoselulolitik dan kemampuannya dalam perombakan beberapa jenis bahan organik. [Lignocellulolytic fungi and its capability on degradation of some soil organic matter]/ Yuniarti, E.; Rosmimik; Purwani, J.; Suparta, L.; Saraswati, R. Prosiding seminar nasional sumber daya lahan pertanian, Bogor, 14-15 Sep 2006. Buku 1/ Subardja, D.S.; Saraswati, R.; Mamat, H.S.; Sutrisno, N.; Setyorini, D.; Wahyunto; Sukarman; Ritung, S. (eds.). Bogor: BBSDLP, 2006: p. 143-158, 4 ill., 6 tables; 8 ref.
631.4/SEM/p

LIGNOCELLULOSE; FUNGI; LINOGNATHUS; SOIL ORGANIC MATTER; ENZYME ACTIVITIES; ACRISOLS.

P34 BIOLOGI TANAH / SOIL BIOLOGY

557 HASTUTI, R.D. Bakteri tanah multiguna dan pengaruhnya terhadap pertumbuhan tanaman. [Multiuse soil microorganism and its effect on plant growth]/ Hastuti, R.D.; Saraswati, R.; Purwani, J.. Prosiding seminar nasional sumber daya lahan pertanian, Bogor, 14-15 Sep 2006. Buku 1/ Subardja, D.S.; Saraswati, R.; Mamat, H.S.; Sutrisno, N.; Setyorini, D.; Wahyunto; Sukarman; Ritung, S. (eds.). Bogor: BBSDLP, 2006: p. 203-222, 7 ill., 5 tables; 19 ref.
631.4/SEM/p

ORYZA SATIVA; SOLANUM TUBEROSUM; SOIL MICROORGANISMS; NITROGEN FIXATION; GROWTH.

558 HIDAYATI, U. Peranan mikroorganisme tanah dalam meningkatkan serapan nitrogen pada berbagai tingkatan ketersediaan air tanah. Role of soil microorganism in improving nitrogen uptake in several soil water availability/ Hidayati, U. Jurnal Penelitian Karet (Indonesia) ISSN 0852-808X (2005) v. 23(2) p. 156-166, 7 tables; 10 ref.

HEVEA BRASILIENSIS; SOIL MICROORGANISMS; NITROGEN; NUTRIENT UPTAKE; SOIL WATER; GROWTH.

P35 KESUBURAN TANAH / SOIL FERTILITY

559 AL-JABRI, M. Perangkat uji tanah sawah versus analisis tanah di laboratorium untuk penetapan rekomendasi pemupukan padi di Sulawesi Tengah. [Soil test kit versus soil analysis in the laboratory for determining rice fertilizer recommendation in Central Sulawesi]/ Al-Jabri, M. (Balai Penelitian Tanah, Bogor (Indonesia)). Prosiding inovasi teknologi mendukung peningkatan produksi pangan nasional dan pengembangan bioenergi untuk kesejahteraan masyarakat, Palembang, 9-10 Jul 2007. Buku 2/ Armanto, M.E.; Bamualim, A.; Subowo G.; Mulyani, E.S.; Jamal, E. (eds.). Bogor: BBP2TP, 2007: p. 454-467 , 13 tables; 12 ref.
633.1/.4-115.2/SEM/p bk2

PADDY SOIL; SOIL ANALYSIS; EQUIPMENT; INNOVATION; TECHNOLOGY; NPK FERTILIZERS; SULAWESI.

560 JAMIL, A. Status fosfor tersedia dan retensi fosfor dalam tanah selama masa pertanaman padi tanam pindah di Sumatera Utara. [Phosphorus status and retention in the soil during transplanted rice growth period in North Sumatra]/ Jamil, A. (Balai Pengkajian Teknologi Pertanian Sumatera Utara, Medan (Indonesia)). Prosiding seminar nasional inovasi dan alih teknologi spesifik lokasi mendukung revitalisasi pertanian, Medan, 5 Jun 2007. Buku 1/ Sudana, W.; Moudar, D.; Jamil, A.; Yufdi, P.; Napitupulu, B.; Daniel, M.; Simatupang, S.; Nainggolan, P.; Hayani; Haloho, L.; Darmawati; Suryani, S. (eds.). Bogor: BBP2TP, 2007: p. 159-164, 2 tables; 13 ref. Appendix.
631.152/SEM/p bk1

ORYZA SATIVA; TRANSPLANTING; PHOSPHATE FERTILIZERS; FARMYARD MANURE; FERTILIZER APPLICATION; SOIL IMPROVEMENT; NUTRIENT AVAILABILITY; SOIL FERTILITY; RAINFED FARMING; SUMATRA.

P36 EROSI, KONSERVASI DAN REKLAMASI TANAH / SOIL EROSION, CONSERVATION AND RECLAMATION

561 FIRMANSYAH, M.A. Prediksi erosi tanah Podsolik Merah Kuning berdasarkan metode USLE di berbagai sistem usaha tani: studi kasus di Kabupaten Barito Utara dan Gunung Mas. [Prediction of red yellow podsolic soil erosion based on USLE (Universal Soil Loss Equation) method in different farming system: case study in Barito Utara and Gunung mas Regencies]/ Firmansyah, M.A. (Balai Pengkajian Teknologi Pertanian Kalimantan Tengah, Palangkaraya (Indonesia)). Jurnal Pengkajian dan Pengembangan Teknologi Pertanian (Indonesia) ISSN 1410-959x (2007) v. 10(1) p. 20-29, 8 tables; 15 ref.

ORYZA SATIVA; ZEA MAYS; ARACHIS HYPOGAEA; ELAEIS GUINEENSIS; HEVEA BRASILIENSIS; FARMING SYSTEMS; EROSION; SOIL

CONSERVATION; PODZOLS; KALIMANTAN.

562 SIREGAR, H. Social-economic reasons to soil conservation: an econometric analysis on cross-sectional Lore Lindu data/ Siregar, H. (Institut Pertanian Bogor (Indonesia)). Jurnal Agro Ekonomi (Indonesia) ISSN 0216-9053 (2006) v. 24(1) p. 1-20, 11 tables; 15 ref. Appendices

SULAWESI; SOIL CONSERVATION; SOCIOECONOMIC ENVIRONMENT; ECONOMIC ANALYSIS; NATIONAL PARKS.

Q02 PENGOLAHAN DAN PENGAWETAN PANGAN / FOOD PROCESSING AND PRESERVATION

563 HARSONO. Kajian teknis dan ekonomis unit prosesing jagung Gapoktan di Cipatat Kabupaten Bandung. [Technical and economic assessment of maize processing unit in Cipatat, Bandung (Indonesia)]/ Harsono; Yuliana, R. (Balai Besar Pengembangan Mekanisasi Pertanian, Serpong (Indonesia)). Prosiding seminar nasional teknologi inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 2: alsin, sosek dan kebijakan/ Munarso, S.J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 990-998, 4 ill., 3 tables; 6 ref.

MAIZE; POSTHARVEST TECHNOLOGY; PROCESSING; DRYERS; POSTHARVEST EQUIPMENT; SHELLING; EQUIPMENT PERFORMANCE; COST ANALYSIS; FARMERS ASSOCIATIONS; FARM INCOME; JAVA.

564 HARTULISTIYOSO, E. Pengeringan lada putih (*Piper nigrum* L.) menggunakan gelombang mikro (microwave). [Drying of white pepper (*Piper nigrum* L.) by using microwave]/ Hartulistiyoso, E.; Sudarmaji, K. (Institut Pertanian Bogor (Indonesia). Fakultas Teknologi Pertanian). Prosiding seminar nasional teknologi inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 2: alsin, sosek dan kebijakan/ Munarso, S.J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 831-841, 6 ill., 4 tables; 6 ref.
631.57:631.152/SEM/p bk2

PEPPER; DRYING; MICROWAVE OVENS; ENERGY CONSUMPTION; MOISTURE CONTENT; TEMPERATURE; QUALITY.

565 HASSAN, Z.H. Produk fermentasi pangan tradisional sebagai suatu agroindustri sumber pangan probiotik. [Fermented traditional food products as probiotic food source]/ Hassan, Z.H. (Balai Pengkajian Teknologi Pertanian Kalimantan Selatan, Banjarbaru (Indonesia)). Prosiding seminar nasional inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 1: proses dan pengolahan hasil/ Munarso, J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 349-357, 5 ill., 6 ref.
631.57:631.152/SEM/p bk1

FOODS; TRADITIONAL TECHNOLOGY; FERMENTATION; AGROINDUSTRIAL SECTOR; PROBIOTICS.

566 LETELAY, J. Kajian kinerja pengolahan terhadap kwalitas kacang mete. [Assessment of processing efficiency on the quality of cashew nut]/ Letelay, J. (Balai Pengkajian Teknologi Pertanian Nusa Tenggara Timur, Kupang (Indonesia)). Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 302-306, 1 ill., 8 ref.
633.1/.9:636/SEM/p

CASHEWS; PRIMARY SECTOR; AGRICULTURAL PRODUCTS; PROCESSING; GRADING; STEAMING; DRYING; REFRIGERATION; SHELLING; ORGANOLEPTIC PROPERTIES.

567 MEKE, D.B. Analisis finansial teknologi pengolahan kelapa di Desa Bheramari Kabupaten Nusa Tenggara Timur. [Financial analysis of coconut processing technology in Bheramari Village, Ende, East Nusa Tenggara]/ Meke, D.B.; Masniah; Yusuf (Balai Pengkajian Teknologi Pertanian Nusa

Tenggara Timur, Kupang (Indonesia)). Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 293-301, 6 ill., 6 tables; 7 ref.
633.1/.9:636/SEM/p

COCONUTS; POSTHARVEST TECHNOLOGY; PROCESSING; COPRA; HUSKS; HANDICRAFTS; CHARCOAL; COCONUT WATER; SAUCES; TECHNOLOGY TRANSFER; NUSA TENGGARA.

568 RICHANA, N. Optimasi proses produksi maltodextrin dari tapioka menggunakan spray dryer. [Optimizing maltodextrin production process from tapioca using spray dryers]/ Richana, N.; Pujoyuwono; Herawati, H. (Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian, Bogor (Indonesia)); Nursyafira, F. Prosiding seminar nasional inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 1: proses dan pengolahan hasil/ Munarso, J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 313-322, 1 ill., 3 tables; 17 ref.
631.57:631.152/SEM/p bk1

TAPIOCA; STARCH; MALTODEXTRINS; SPRAY DRYING; DRYERS; TEMPERATURE.

569 SETIYANTO, H. Dadih, kendala dan pemecahannya. [Dadih (coagulated buffalo milk): constraint and its solution]/ Setiyanto, H. (Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian, Bogor (Indonesia)); Muhammad, Z. Prosiding seminar nasional inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 1: proses dan pengolahan hasil/ Munarso, J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 419-423, 1 table; 8 ref.
631.57:631.152/SEM/p bk1

BUFFALO MILK; MILK PRODUCTS; NUTRITIVE VALUE.

570 SETYAWARDANI, T. Kajian metode pengempukan daging kambing tua. Study of tenderization method of old goat meat/ Setyawardani, T.; Haryoko, I. (Universitas Jenderal Soedirman, Purwokerto (Indonesia). Fakultas Peternakan). Animal Production (Indonesia) ISSN 1411-2027 (2005) v. 7(2) p. 106-110, 1 table; 14 ref.

GOAT MEAT; TENDERIZING; ELECTRONIC ENGINEERING; CALCIUM; CHLORINE; WATER HOLDING CAPACITY; PROTEIN CONTENT.

571 SUARNI. Teknologi pembuatan kue kering (cookies) berserat tinggi dengan penambahan bekatul jagung. [Processing of high fiber cookies by maize bran addition]/ Suarni (Balai Penelitian Tanaman Serealia, Maros (Indonesia)). Prosiding seminar nasional inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 1: proses dan pengolahan hasil/ Munarso, J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 512-526, 2 tables; 13 ref.
631.57:631.152/SEM/p bk1

MAIZE; BRAN; DRIED PRODUCTS; DIETARY FIBRES; PROCESSING; ORGANOLEPTIC TESTING.

572 SUNARMANI. Studi pembuatan pasta tomat dari beberapa varietas. [Study of pasta processing of some tomato varieties]/ Sunarmani; Agustinisari, I.; Yulianingsih (Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian, Bogor (Indonesia)); Hartuti, N.. Prosiding seminar nasional inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 1: proses dan pengolahan hasil/ Munarso, J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 399-407, 4 tables; 13 ref.
631.57:631.152/SEM/p bk1

TOMATOES; VARIETIES; PASTA; PROCESSED FOODS; COLOUR.

Q03 KONTAMINASI DAN TOKSIKOLOGI PANGAN / FOOD CONTAMINATION AND TOXICOLOGY

573 MISKIYAH. Status kontaminan aflatoksin pada kacang tanah dan produk olahannya. [Status of contaminant aflatoxins contaminant on groundnut and its processed products]/ Miskiyah; Munarso, S.J.; Haliza, W. (Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian, Bogor (Indonesia)). Prosiding seminar nasional inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 1: proses dan pengolahan hasil/ Munarso, J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 508-520, 6 tables; 20 ref.
631.57:631.152/SEM/p bk1

GROUNDNUTS; AFLATOXINS; FOODS; CONTAMINATION; POLLUTANTS; PROXIMATE COMPOSITION; QUALITY; POSTHARVEST TECHNOLOGY.

Q04 KOMPOSISI PANGAN / FOOD COMPOSITION

574 JANUAR, H.I. Analisis spektrofotometri terhadap gugus fungsi ekstrak metanol rumput laut *Ulva fasciata* segar dan kering matahari. Spectrophotometry analysis on functional groups in methanolic extract of fresh and sun dried seaweed *Ulva fasciata*/ Januar, H.I.; Wikanta, T.; Hastarini, E. (Pusat Riset Pengolahan Produk dan Sosial Ekonomi Kelautan dan Perikanan, Jakarta (Indonesia)). Jurnal Penelitian Perikanan (Indonesia). Edisi Pasca Panen ISSN 0853-5884 (2005) v. 11(4) p. 51-59, 4 ill., 2 tables; 12 ref.

SEAWEEDS; MEASURING INSTRUMENTS; SPECTROMETRY; DRIED PRODUCTS; DRYING; METHANOL; EXTRACTS.

575 MISNAWI. Pengaruh konsentrasi alkali dan suhu koncing terhadap cita rasa, kekerasan dan warna permen cokelat. Effects of alkali concentration and conching temperature on flavour, hardness and colour of chocolate/ Misnawi; Wahyudi, T. (Pusat Penelitian Kopi dan Kakao Indonesia, Jember (Indonesia)); Selamat, J.; Putriani, N. Pelita Perkebunan (Indonesia) ISSN 0215-0212 (2006) v. 22(2) p. 119-135, 9 ill., 2 tables; 19 ref.

COCOA BEANS; CHOCOLATE; COLOUR; FLAVOUR; ALKALI METALS; PARTICLE SIZE; TEXTURE; TEMPERATURE; FIRMNESS; FOOD ADDITIVES.

576 SUGIYONO. Fenomena retrogradasi pada produk prol tape. [Retrogradation phenomena on product of fermented cassava (taper)]/ Sugiyono; Trisiana, Y.; Wulandari, N. (Institut Pertanian Bogor (Indonesia). Fakultas Teknologi Pertanian). Prosiding seminar nasional inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 1: proses dan pengolahan hasil/ Munarso, J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 334-348, 19 ill., 2 tables; 8 ref.
631.57:631.152/SEM/p bk1

CASSAVA; FERMENTED PRODUCTS; BAKERY PRODUCTS; ORGANOLEPTIC TESTING; STORAGE.

577 SUNARLIM, R. Penggunaan berbagai konsentrasi NaCl dan jenis daging terhadap mutu bakso. [Utilization of NaCl concentration and meat types on the quality of meat ball]/ Sunarlim, R.; Triyantini (Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian, Bogor (Indonesia)). Prosiding seminar nasional inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 1: proses dan pengolahan hasil/ Munarso, J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 408-418, 8 ill., 2 tables; 11 ref.
631.57:631.152/SEM/p bk1

MEAT PRODUCTS; SODIUM; CHLORINE; QUALITY; PROTEIN CONTENT; LIPID CONTENT; MOISTURE CONTENT; ASH CONTENT.

578 WIDANINGRUM. Penelitian pengaruh suhu pemeraman terhadap kualitas mi sagu dan kadar resistant starch (RS). [Effect of holding condition temperature on the quality of sago noodle and resistant starch content]/ Widaningrum; Santosa, B.A.; Purwani, E.Y. (Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian, Bogor (Indonesia)). Prosiding seminar nasional inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 1: proses dan pengolahan hasil/ Munarso, J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 432-443, 1 ill., 7 tables; 15 ref.
631.57:631.152/SEM/p bk1

SAGO; STARCH PRODUCTS; PASTA; TEMPERATURE; PROCESSING; CHEMICOPHYSICAL PROPERTIES; CHEMICAL COMPOSITION.

Q52 PENGOLAHAN DAN PENGAWETAN PAKAN / FEED PROCESSING AND PRESERVATION

579 KATIPANA, N.G.F. Sifat fisik dan komposisi kimia standing hay rumput kume yang diolah dengan cuka makanan dan urea. [Physical characteristic and chemical composition grass standing hay processed by adding vinegar and urea]/ Katipana, N.G.F.; Manafe, J.I.; Amalo, D. (Universitas Nusa Cendana, Kupang (Indonesia). Fakultas Peternakan); Hau, D.K.; Nulik, J.. Prosiding seminar nasional komunikasi hasil-hasil penelitian bidang tanaman pangan, perkebunan dan peternakan dalam sistem usaha tani lahan kering, Kupang, 26-27 Jul 2006/ Nugraha, U.S.; Nulik, J.; Mardianto, S.; Yusuf; Basuki, T.; Lidjang, I.K.; Ngongo, Y.; Budisantoso, E. (eds.). Bogor: BBP2TP, 2006: p. 376-382, 3 tables; 21 ref.
633.1/.9:636/SEM/p

HAY; FEED GRASSES; DESICCATED FODDERS; SOAKING; DURATION; VINEGAR; ALKALI TREATMENT; UREA; CHEMICOPHYSICAL PROPERTIES; CHEMICAL COMPOSITION.

580 RESNAWATI, H. Karakteristik karkas dan preferensi konsumen terhadap daging dada ayam yang diberi ransum mengandung cacing tanah (*Lumbricus rubellus*). [Carcass characteristics and consumer preference on broiler breast meat fed by out containing earthworm (*Lumbricus rubellus*)]/ Resnawati, H. (Balai Penelitian Ternak, Bogor (Indonesia)). Prosiding seminar nasional inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 1: proses dan pengolahan hasil/ Munarso, J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 424-431, 3 tables; 24 ref.
631.57:631.152/SEM/p bk1

BROILER CHICKENS; CHICKEN MEAT; CARCASSES; DIET; RATIONS; OLIGOCHAETA; LUMBRICUS RUBELLUS; CONSUMER BEHAVIOUR; ORGANOLEPTIC TESTING.

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

581 ALAM, L.A. Penghematan bahan bakar dengan substitusi briket batubara pada pengeringan karet sit asap sistem kontinyu. [Firewood substitution with bulk coal briquette on draining of rubber sit]/ Alam, L.A. (Balai Penelitian Teknologi Karet, Bogor (Indonesia)). Prosiding seminar nasional teknologi inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 2: alsin, sosek dan kebijakan/ Munarso, S.J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 842-853, 6 ill., 2 tables; 22 ref.
631.57:631.152/SEM/p bk2

RUBBER; VENEERS; DRYING; FUEL WOOD; BRIQUETTES; CHARCOAL; RESOURCE SUBSTITUTION; CHEMICOPHYSICAL PROPERTIES; UTILIZATION COSTS; QUALITY.

582 ANSORI N., M. Produksi biodiesel dari crude palm oil. [Biodiesel production from crude palm oil]/ Ansori N., M.; Yudanto, B.G.; Darnoko, D. Warta Pusat Penelitian Kelapa Sawit (Indonesia) ISSN 0853-2141 (2005) v. 13(2) p. 7-12, 4 ill., 1 table; 2 ref.

BIOFUELS; FUEL CROPS; PALM OILS; WASHING; DRYING; FILTRATION.

583 HAMBALI, E. Diversifikasi produk olahan jarak pagar (*Jatropha curcas* L.). [Processed product diversification of *Jatropha curcas* L.]/ Hambali, E. (Institut Pertanian Bogor (Indonesia). Pusat Penelitian Surfaktan dan Bioenergi). Prosiding lokakarya ke-2 status teknologi tanaman jarak pagar (*Jatropha curcas* L.), Bogor, 29 Nop 2006/ Karmawati, E.; Wahyudi, A.; Effendi, D.S.; Maya, I.N.; Sumanto; Yusniarti; Mukhasim (eds.). Bogor: Puslitbangbun, 2007: p. 181-194, 16 ill., 3 ref.
633.853.3-117/LOK/p c2

JATROPHA CURCAS; PROCESSING; PROCESSED PLANT PRODUCTS;

DIVERSIFICATION; CASTOR OIL; BIOFUELS; SOAPS; CHARCOAL; ORGANIC FERTILIZERS.

584 HIDAYAT, T. Study proses transesferifikasi minyak jarak pagar (*Jatropha curcas* L.). [Study on transesferification process of *Jatropha curcas* oil]/ Hidayat, T.; Sumangat, D.; Risfaheri (Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian, Bogor (Indonesia)). Prosiding lokakarya ke-2 status teknologi tanaman jarak pagar (*Jatropha curcas* L.), Bogor, 29 Nop 2006/ Karmawati, E.; Wahyudi, A.; Effendi, D.S.; Maya, I.N.; Sumanto; Yusniarti; Mukhasim (eds.). Bogor: Puslitbangbun, 2007: p. 217-227, 4 ill., 3 tables; 16 ref.
633.853.3-117/LOK/p c2

CASTOR OIL; PROCESSING; ESTERIFICATION; METHANOL; CHEMICOPHYSICAL PROPERTIES; BIOFUELS.

585 MARTOSUYONO, P. Isolasi bakteri termofilik penghasil etanol dari kompos. [Isolation of Thermophilic bacteria to produce ethanol from compost]/ Martosuyono, P.; Misgiyarta (Balai Besar Penelitian dan Pengembangan Pertanian, Bogor (Indonesia)). Prosiding seminar nasional inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 1: proses dan pengolahan hasil/ Munarso, J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 302-312, 7 ill., 8 ref.
631.57:631.152/SEM/p bk1

BIOFUELS; THERMOPHILIC MICROORGANISMS; ETHANOL; ISOLATION; COMPOSTS.

586 MASPANGER D.R. Karakterisasi pengeringan busa karet alam di dalam oven microwave. [Characterization of natural rubber foam drying in microwave oven]/ Maspanger D.R.; Irfan F, M. (Balai Penelitian Teknologi Karet, Bogor (Indonesia)); Hartulistiyoso, E.. Prosiding seminar nasional inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 1: proses dan pengolahan hasil/ Munarso, J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 281-291, 9 ill., 2 tables; 16 ref.
631.57:631.152/SEM/p bk1

RUBBER; FOAMS; MICROWAVE OVENS; DRYING; TEMPERATURE; CHEMICOPHYSICAL PROPERTIES.

587 SUDRADJAT, H.R. Permasalahan dalam teknologi pengolahan biodiesel dari minyak jarak pagar (*Jatropha curcas* L.). [Some problems on biodiesel processing technology from *Jatropha curcas* L. oil]/ Sudradjat, H.R.; Setiawan, D.; Widyawati, Y.; Ariatmi, R.; Sahirman (Pusat Penelitian dan Pengembangan Hasil Hutan, Bogor (Indonesia)). Prosiding lokakarya ke-2 status teknologi tanaman jarak pagar (*Jatropha curcas* L.), Bogor, 29 Nop 2006/ Karmawati, E.; Wahyudi, A.; Effendi, D.S.; Maya, I.N.; Sumanto; Yusniarti; Mukhasim (eds.). Bogor: Puslitbangbun, 2007: p. 195-212, 15 ill., 11 tables; 13 ref.
633.853.3-117/LOK/p c2

JATROPHA CURCAS; CASTOR OIL; PROCESSING; DEGUMMING; BIOFUELS; CHEMICOPHYSICAL PROPERTIES; QUALITY; ECONOMIC ANALYSIS.

588 SUYANTI. Perbaikan cara ekstraksi untuk meningkatkan rendemen minyak bunga melati gambir skala pilot. [Improvement of extraction technology of jasmine flower to increase jasmine oil production]/ Suyanti; Prabawati, S.; Murtiningsih; Yulianingsih (Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian, Bogor (Indonesia)). Prosiding seminar nasional inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 1: proses dan pengolahan hasil/ Munarso, J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 323-333, 5 ill., 3 tables
631.57:631.152/SEM/p bk1

JASMINE OIL; JASMINUM; EXTRACTION; QUALITY; CHEMICAL COMPOSITION.

589 WANITA, Y.P. Pengaruh tingkat kemasakan buah terhadap kadar minyak jarak pagar (*Jatropha curcas* L.). [Effect of fruit ripening level on oil content of *Jatropha curcas* seed]/ Wanita, Y.P.; Hartono, J. (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). Prosiding lokakarya ke-2 status teknologi tanaman jarak pagar

(*Jatropha curcas* L.), Bogor, 29 Nop 2006/ Karmawati, E.; Wahyudi, A.; Effendi, D.S.; Maya, I.N.; Sumanto; Yusniarti; Mukhasim (eds.). Bogor: Puslitbangbun, 2007: p. 177-180, 2 ill., 2 tables; 7 ref.
633.853.3-117/LOK/p c2

JATROPHA CURCAS; FRUIT; FLOWERING; RIPENING; HARVESTING DATE; LIPID CONTENT.

590 WINARTO B.W. Pengolahan serat rami kasar (*China grass*) menjadi serat siap pintal. [Processing of crude ramie (China grass) fibre]/ Winarto B.W. (Balai Penelitian Tanaman Tembakau dan Serat, Malang (Indonesia)). Rami (*Boehmeria nivea* (L.) Gaud). Malang: Balittas, 2005: p. 45-54. Monograf Balittas ISSN 0853-9308 (2005) (no. 8), 5 ill., 2 tables; 11 ref.
633.525.1/BAL/r

RAMIE; FIBRES; PROCESSING; CHEMICAL COMPOSITION; DEGUMMING; POSTHARVEST EQUIPMENT.

591 YUHONO, J.T. Upaya memperoleh nilai tambah melalui pembuatan produk instan purwoceng. [Purwoceng (*Pimpinella pruatjan*) added value increasing by processing into instant product]/ Yuhono, J.T.; Ermiati (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). Warta Penelitian dan Pengembangan Tanaman Industri (Indonesia) ISSN 0853-8204 (2007) v. 13(1) p. 18-20, 1 ill., 2 tables.

PIMPINELLA; FERTILIZERS; CHEMICOPHYSICAL PROPERTIES; PLANT EXTRACTS; ROOTS; PROCESSING; VALUE ADDED.

Q70 PENGOLAHAN LIMBAH PERTANIAN / PROCESSING OF AGRICULTURAL WASTES

592 NURYANTO, E. Pengaruh jumlah dan jenis adsorben pada penyerapan warna crude glyserol dari hasil samping pembuatan biodiesel. [Influence of total and kind of adsorben on color absorption of crude glycerol from biodiesel processed byproducts] / Nuryanto, E.; Kasita, D. Warta Pusat Penelitian Kelapa Sawit (Indonesia) ISSN 0853-2141 (2005) v. 13(2) p. 13-18, 2 ill., 1 table; 8 ref.

GLYCEROL; ADSORBENTS; ESTERS; INDUSTRIAL WASTES; BIOFUELS; BYPRODUCTS.

593 PRIYANTO, D. Potensi limbah kulit kakao sebagai peluang integrasi dengan usaha ternak kambing di Provinsi Lampung. [Potential of cocoa husks byproducts as feed source for goat in Lampung Province]/ Priyanto, D. (Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian, Bogor, (Indonesia)). Prosiding seminar nasional inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 1: proses dan pengolahan hasil/ Munarso, J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 444-453, 2 ill., 4 tables; 10 ref.
631.57:631.152/SEM/p bk1

THEOBROMA CACAO; BYPRODUCTS; FEEDS; INTEGRATION; GOATS; SUMATRA.

T01 POLUSI / POLLUTION

594 PRATAMA, S. Pengujian kualitas mikrobiologis air sumur pasca gempa pada daerah-daerah dengan intensitas kerusakan tinggi di Kabupaten Bantul. [Analysis of microbiological quality of well water in Bantul Regency after earthquake]/ Pratama, S.; Rini, G.S.P.; Prima, S.F.S.; Palupi, D.W.; Prijambada, I.D.; Widianto, D.; Widada, J.; Wedhastri, S. (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian). Prosiding seminar nasional hasil penelitian pertanian, Yogyakarta, 15 Sep 2006. Yogyakarta: UGM, 2006: p. 182-187, 4 tables; 3 ref.
631.001.6/SEM/r

JAVA; WELLS; WATER QUALITY; BIOLOGICAL CONTAMINATION; CALIFORM BACTERIA; ESCHERICHIA COLI; EARTHQUAKES; VOLCANIC AREAS; ACIDITY; CHLORINE.

595 SOLICHIN, M. Deorub K sebagai pembeku lateks dan pencegah timbulnya bau busuk karet. [Deorub K as latex freezer and preventative of rubber rotten aroma]/ Solichin, M.; Pramuaji, I.; Anwar, A. Warta Perkaretan (Indonesia) ISSN 0852-8985 (2005) v. 24(1) p. 53-58, 5 tables; 7 ref.

LATEX; PRESERVATION; ANTIOXIDANTS; CHEMICOPHYSICAL PROPERTIES.

U10 METODA MATEMATIKA DAN STATISTIKA / MATHEMATICAL AND STATISTICAL METHODS

596 AHMAD, U. Pengembangan mesin sortasi dan pemutuan otomatis untuk buah mangga berdasarkan evaluasi mutu menggunakan pengolahan citra. [Developing of grading machine and automatic sorting for mango fruits by using image processing]/ Ahmad, U.; Pramon, J.; Hermansyah (Institut Pertanian Bogor (Indonesia). Fakultas Teknologi Pertanian). Prosiding seminar nasional teknologi inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 2: alsin, sosek dan kebijakan/ Munarso, S.J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 914-923, 5 ill., 5 tables; 4 ref.
631.57:631.152/SEM/p bk 2

MANGOES; GRADING; SORTING EQUIPMENT; IMAGE PROCESSING; IMAGE ANALYSIS; PROTOTYPES; TEXTURE; QUALITY; EQUIPMENT PERFORMANCE.

597 NASUTION, D.A. Sortasi buah manggis dengan karakteristik gelombang ultrasonik. [Sortation of mangosteen by using ultrasonic wave characteristic]/ Nasution, D.A. (Institut Pertanian Bogor (Indonesia). Pascasarjana Ilmu Keteknikan Pertanian); Purwadaria, H.K.; Budiastra, I W.; Trisnobudi, A.; Seroso. Prosiding seminar nasional teknologi inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 2: alsin, sosek dan kebijakan/ Munarso, S.J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 924-931, 7 ill., 2 ref.
631.57:631.152/SEM/p bk2

MANGOSTEEN; GRADING; ULTRASONICS; NEURAL NETWORKS; ACOUSTIC PROPERTIES; QUALITY.

598 NURHASANAH, A. Evaluasi mutu manggis menggunakan teknik pengolahan citra dan jaringan syaraf tiruan. [Evaluation of mangosteen quality by using image processing and artificial neural network]/ Nurhasanah, A. (Balai Besar Pengembangan Mekanisasi Pertanian, Serpong (Indonesia)); Suroso; Ahmad, U. Prosiding seminar nasional teknologi inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 2: alsin, sosek dan kebijakan/ Munarso, S.J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 890-901, 13 ill., 8 tables; 3 ref.
631.57:631.152/SEM/p bk2

MANGOSTEEN; GRADING; IMAGE PROCESSING; NEURAL NETWORKS; COLOUR; MATURITY; TEXTURE; QUALITY.

599 SANDRA. Pengembangan metoda pemeriksaan mutu buah manggis secara non-destruktif menggunakan pengolahan citra. [Assessment method of mangosteen quality by using image processing]/ Sandra (Universitas Andalas, Padang (Indonesia). Fakultas Pertanian); Ahmad, U.; Suroso; Purwadaria, H. K.; Budiastra, I W. Prosiding seminar nasional teknologi inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 2 : alsin, sosek dan kebijakan/ Munarso, S.J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 902-913, 8 ill., 7 tables; 12 ref
631.57:631.152/SEM/p bk2

MANGOSTEEN; GRADING; IMAGE PROCESSING; MATURITY; QUALITY; COLOUR; DIAMETER; CALYX; METHODS; IMAGE ANALYSIS.

600 SYAEFULLAH, E. Pengembangan pemutusan bunga krisan tipe standar menggunakan teknik pengolahan citra. [Developing grading system for the chrysanthemum flower by using image processing]/ Syaefullah, E. (Balai Pengkajian Teknologi Pertanian Kalimantan Tengah, Palangkaraya (Indonesia)); Purwadaria, H.K.; Ahmad, U. Prosiding seminar nasional teknologi inovatif pascapanen untuk pengembangan industri berbasis pertanian, Bogor, 7-8 Sep 2005. Buku 2 : alsin, sosek dan kebijakan/ Munarso, S.J.; Prabawati, S.; Abubakar; Setyadjit; Risfaheri; Kusnandar, F.; Suaib, F. (eds.). Bogor: BB Pascapanen, 2005: p. 867-876, 5 ill., 5 tables; 4 ref.
631.57:631.152/SEM/p bk2

CHRYSANTHEMUM; GRADING; IMAGE PROCESSING; DIAMETER; HEIGHT; CROP PERFORMANCE; QUALITY.

INDEKS PENGARANG / AUTHOR INDEX

INDEKS SUBJEK / SUBJECT INDEX

Q

INDEKS BADAN KORPORASI / CORPORATE BODY INDEX

INDEKS JURNAL / JOURNAL INDEX