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Kata Pengantar

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

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

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

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

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Kepala Pusat Perpustakaan dan
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C30 DOCUMENTATION AND INFORMATION / DOKUMENTASI DAN INFORMASI

602 SARI, T.E.Y. [Developing fisheries information system in Riau Province]. Pengembangan sistem informasi perikanan di Propinsi Riau/Sari, T.E.Y. (Universitas Riau, Pekanbaru (Indonesia). Fakultas Perikanan dan Ilmu Kelautan). [Proceedings of the annually national seminar on fisheries and marine research results during 2005]. Prosiding seminar nasional tahunan hasil penelitian perikanan dan kelautan tahun 2005/ Isnansetyo, A.; Murwantoko; Djumanto; Yusuf B.L., L.; Saksono, H.; Budi S., P.; Setyobudi, E.; Ari B., S.; Soeparno; Husni, A.; Ekantari, N. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian. Yogyakarta: UGM, 2005: (pt.2) p. 394-403 4 ill., 1 table; 3 ref. Appendix 639.2.052.3/SEM/p

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E10 AGRICULTURAL ECONOMICS AND POLICIES/ EKONOMI DAN KEBIJAKAN PERTANIAN

603 BUANA, R.Y. [Kebun lindung: study of ecology and socio economic at West Lampung]. Kebun lindung: kajian ekologi dan sosio-ekonomi di Lampung Barat/Buana, R.Y. (Institut Pertanian Bogor (Indonesia). Fakultas Kehutanan); Suyanto, S.; Hairiah, K.. *Agrivita* (Indonesia). ISSN 0126-0537 (2005) v. 27(3) p. 170-181 3 ill., 7 tables; 10 ref.

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604 SANTOSO, S.I. Performance analysis of boiler farms manage by the nucleus-plasma system. Analisis kinerja usaha peternakan ayam pedaging pola industri inti-plasma di bawah perseroan terbatas terbuka/Santoso, S.I.; Sumekar, W.; Wijaya, A.A. (Universitas Diponegoro, Semarang (Indonesia). Fakultas Peternakan). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 749-754 5 tables; 7 ref. 636:338.439/SEM/p

BROILER CHICKENS; FARM MANAGEMENT; POULTRY FARMING; BENEFIT ANALYSIS; COMMERCIAL FARMING; PRODUCTION COSTS; FARM INCOME.

E11 LAND ECONOMICS AND POLICIES/ EKONOMI DAN KEBIJAKAN LAHAN

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606 SYAFRUDDIN. [Optimizing land resources through farming system zone (FSZ) approach in Palu valley]. Optimalisasi sumberdaya lahan melalui pendekatan farming system zone (FSZ) di Lembah Palu/Syafruddin; Kairupan, A.N.; Saidah; Ardjanhar, A. (Balai Pengkajian Teknologi Pertanian Sulawesi Tengah, Palu (Indonesia)). *Jurnal Ilmiah Agrisains* (Indonesia). ISSN

1412-3657 (2006) v. 7(2) p. 75-85 2 ill., 5 tables; 12 ref

SULAWESI; LAND SUITABILITY; LAND RESOURCES; SOCIOECONOMIC ENVIRONMENT; FARMING SYSTEMS; CLIMATIC FACTORS.

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JAVA; SEX; FISHERIES; DEVELOPMENT; INDICATOR ORGANISMS.

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SUMATRA; PELAGIC FISHERIES; SEINING; FISHERY DATA; FISHERMEN; CAPITAL LEASING; PARTNERSHIPS; FISHERY MANAGEMENT; COSTS; PRICES.

**E14 DEVELOPMENT ECONOMICS
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609 SUSILO, E. [Improving the adaptability of traditional fishermen on quick changed environment]. Peningkatan daya adaptasi nelayan tradisi pada lingkungan yang berubah cepat/Susilo, E.[Proceedings of the annually national seminar on fisheries and marine research results during 2005]. Prosiding seminar nasional tahunan hasil penelitian perikanan dan kelautan tahun 2005/ Isnansetyo, A.; Murwantoko; Djumanto; Yusuf B.L., L.; Saksono, H.; Budi S., P.; Setyobudi, E.; Ari B., S.; Soeparno; Husni, A.; Ekantari, N. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian. Yogyakarta: UGM, 2005: (pt.2) p. 373-386 6 ill., 28 ref.

639.2.052.3/SEM/p

JAVA; FISHERMEN; TRADITIONAL FISHING; INDIGENOUS KNOWLEDGE; ECOSYSTEMS; ADAPTATION; SOCIO-CULTURAL ENVIRONMENT; SOCIAL STRUCTURE; FISHERY MANAGEMENT.

610 TOIBA, H. [Program and investment planning model of national food crops development]. Model perencanaan program dan investasi pembangunan pertanian tanaman pangan nasional/Toiba, H.; Asmara, R. (Universitas Brawijaya, Malang (Indonesia). Fakultas Pertanian). Agrivita (Indonesia). ISSN 0126-0537 (2005) v. 27(3) p. 234-247 11 tables; 14 ref.

FOOD CROPS; AGRICULTURAL DEVELOPMENT; PLANNING; INVESTMENT; MODELS.

**E20 ORGANIZATION, ADMINIS-
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611 HIDAYAT, N. Agribusiness institute research of food crops in lowland and upland agroecosystem in Yogyakarta Special Region . Kajian kelembagaan agribisnis tanaman pangan di agroekosistem lahan sawah dan kering Daerah Istimewa Yogyakarta/Hidayat, N.; Widodo, S.; Kaliky, R.; Musofie, A. (Balai

Pengkajian Teknologi Pertanian Yogyakarta (Indonesia). [Proceedings of national seminar on the science and technology]. Prosiding seminar nasional: Iptek solusi kemandirian bangsa/Mudjishono, R.; Udin, L.Z.; Moeljopawiro, S.; Soegandhi, T.M.S.; Kusnowo, A.; Karossi, A.T.A.; Masyudi, M.F.; Sudihardjo, A.M.; Musofie, A.; Wardhani, N.K.; Sembiring, L.; Hartanto (eds.) Lembaga Ilmu Pengetahuan Indonesia, Jakarta (Indonesia). Yogyakarta : BPTP Yogyakarta, 2006: p. 313-320 9 tables; 14 ref. 631.145/.152/SEM/p

FOOD CROPS; RESEARCH INSTITUTIONS; AGROINDUSTRIAL SECTOR; FARM INPUTS; AGROECOSYSTEMS; IRRIGATED LAND; DRY FARMING; CAPITAL; FARMERS; PROFITABILITY; FARMING SYSTEMS; JAVA.

612 WIDODO, S. Performance and feasibility of lowland rice in some parts of Sleman District, Yogyakarta Province . Keragaan usahatani padi sawah dan kelayakannya sebagian wilayah Kabupaten Sleman, Daerah Istimewa Yogyakarta/Widodo, S.; Mulyadi (Balai Pengkajian Teknologi Pertanian Yogyakarta (Indonesia)). [Proceedings of national seminar on the science and technology]. Prosiding seminar nasional: Iptek solusi kemandirian bangsa/Mudjishono, R.; Udin, L.Z.; Moeljopawiro, S.; Soegandhi, T.M.S.; Kusnowo, A.; Karossi, A.T.A.; Masyudi, M.F.; Sudihardjo, A.M.; Musofie, A.; Wardhani, N.K.; Sembiring, L.; Hartanto (eds.) Lembaga Ilmu Pengetahuan Indonesia, Jakarta (Indonesia). Yogyakarta : BPTP Yogyakarta, 2006: p. 277-283 2 ill., 1 table; 10 ref. 631.145/.152/SEM/p

IRRIGATED RICE; FARMING SYSTEMS; ECONOMIC ANALYSIS; LABOUR COSTS; FARM INPUTS; PRODUCTIVITY; FARM INCOME; JAVA.

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

613 RAHAYU, M. [Indigenous knowledge and usage of medicinal plant by Kaili ethnic group at Lore Lindu National Park, Central Sulawesi (Indonesia)]. Pengetahuan dan pemanfaatan tumbuhan obat oleh masyarakat

Kaili sekitar Taman Nasional Lore Lindu, Sulawesi Tengah/Rahayu, M. (Pusat Penelitian Biologi-LIPI, Bogor (Indonesia)). Jurnal Bahan Alam Indonesia (Indonesia). ISSN 1412-2855 (2005) V. 4(1) p. 228-235 1 table; 13 ref.

DRUG PLANTS; TRADITIONAL MEDICINES; ETHNOBOTANY; INDIGENOUS KNOWLEDGE; ETHNIC GROUPS; NATIONAL PARK; SULAWESI.

614 RESNAWATI, H. Consumer preference on broiler breast meat fed ration utilizing *Lumbricus rubellus* earthworms meal. Preferensi konsumen terhadap daging dada ayam pedaging yang diberi ransum menggunakan tepung cacing tanah (*Lumbricus rubellus*)/Resnawati, H. (Balai Penelitian Ternak, Ciawi-Bogor (Indonesia)). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 744-748 2 tables; 13 ref. 636:338.439/SEM/p

BROILER CHICKENS; MEAT; CONSUMER BEHAVIOUR; FEED CONSUMPTION; OLIGOCHAETA; FLOURS; COLOURS; MEAT TEXTURE; FLAVOUR; PROXIMATE COMPOSITION.

615 SANOESI, E. Monitoring and evaluating women's empowerment programmes: a case study in the coastal area of Prigi, Trenggalek Regency. Monitoring dan evaluasi program pemberdayaan perempuan (studi: di Pantai Prigi Kabupaten Trenggalek)/Sanoesi, E.; Riniwati, H.; Sukesei, K. (Universitas Brawijaya, Pusat Penelitian Peran Wanita Lembaga Penelitian, Malang (Indonesia)). Jurnal Ilmu-Ilmu Sosial (Indonesia). ISSN 1410-413X (2005) v. 17(1) p. 1-10 3 tables; 11 ref.

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616 SISWIJONO, S.B. Participation of fisheries community at Wonogiri reservoir and its stock enhancement institutional

development. Partisipasi nelayan/ petani ikan dan pengembangan kelembagaan dalam stock enhancement di perairan Waduk Wonogiri/ Siswijono, S.B.; Winarto, P.S. (Universitas Brawijaya, Malang (Indonesia). Pusat Penelitian Ilmu Sosial); Wiadnya, G.R.; Koeshendrajana, S.; Murniyati. *Jurnal Ilmu-Ilmu Sosial (Indonesia)*. ISSN 1410-413X (2005) v. 17(1) p. 93-99 10 ref.

FISHERMEN; PARTICIPATION; SOCIAL INSTITUTION; STOCK ASSESSMENT; JAVA.

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

617 HERMAWAN, A. Influence of oil prices increase to the red chili farming. Dampak kenaikan harga BBM terhadap usaha tani cabai merah/Hermawan, A.; Sularno; Yuwono, D.M. (Balai Pengkajian Teknologi Pertanian Jawa Tengah, Ungaran (Indonesia)). [Proceedings of national seminar on the science and technology]. Prosiding seminar nasional: Iptek solusi kemandirian bangsa /Mudjishono, R.; Udin, L.Z.; Moeljopawiro, S.; Soegandhi, T.M.S.; Kusnowo, A.; Karossi, A.T.A.; Masyudi, M.F.; Sudihardjo, A.M.; Musofie, A.; Wardhani, N.K.; Sembiring, L.; Hartanto (eds.) Lembaga Ilmu Pengetahuan Indonesia, Jakarta (Indonesia). Yogyakarta : BPTP Yogyakarta, 2006: p. 285-293 1 ill., 8 tables; 11 ref.

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CHILLIES; FARMING SYSTEMS; PRICES; FUELS; PRODUCTION COSTS; FARM INCOME; PROFITABILITY.

618 MUKSON. Analysis of marketing efficiency egg's layer in Kendal Region Central Java. Analisis efisiensi pemasaran telur ayam ras di Kabupaten Kendal Jawa Tengah/Mukson; Santosa, S.I.; Setiawan, H.; Suryanto, B. (Universitas Diponegoro, Semarang (Indonesia). Fakultas Peternakan). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor

(Indonesia). Bogor: Puslitbangnak, 2005: p. 755-762 5 tables; 11 ref. 636:338.439/SEM/p

EGGS; LAYER CHICKENS; MARKETING MARGINS; EFFICIENCY; ECONOMIC DISTRIBUTION; MERCHANTS; CONSUMER PRICES; JAVA

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CHICKENS; ANIMAL PRODUCTS; MARKET RESEARCH; PURCHASING; PRICES; CONSUMERS; JAVA.

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

621 HASTIAWAN, A.I. Determination of Rare Earth Elements (REE) in minerals by ICP-atomic emission spectrometry using CCD-detection subsequent to microwave - assisted sample dissolution. Penentuan tanah jarang dalam mineral dengan ICP-atomic emission spectrometry mempergunakan CCD detector microwave untuk membantu destruksi sample/Hastiawan, A.I. (Universitas Padjadjaran, Jatinangor - Sumedang (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam) . Bionatura (Indonesia). ISSN 1411-0903 (2005) v. 7(2) p. 112-123 1 ill., 3 tables; 20 ref.

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ANTHURIUM ANDRAEANUM; ARACEAE; PLANT CONTAINERS; POT PLANTS; MATURATION.

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639 WIDODO, S. Relationship between social economic condition of peasants cultivating greenbelt for land degradation and sedimentation Wonogiri Reservoir. Keterkaitan kondisi sosial ekonomi petani penggarap sabuk hijau (greenbelt) dengan kerusakan lahan dan pendangkalan Waduk Wonogiri/Widodo, S.; Mulyadi (Balai Pengkajian Teknologi Pertanian Yogyakarta (Indonesia)).[Proceedings of national seminar on the science and technology]. Prosiding seminar nasional: Iptek solusi kemandirian bangsa /Mudjisihono, R.; Udin, L.Z.; Moeljopawiro, S.; Soegandhi, T.M.S.;

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THEOBROMA CACAO; CLONES; ROOTSTOCKS; PRUNING; QUALITY; YIELDS.

F03 SEED PRODUCTION AND PROCESSING/PRODUKSI DAN PERLAKUAN BENIH

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F04 FERTILIZING / PEMUPUKAN

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649 IRIANI, E. [Utilization of water hyacinth and peat composts on french bean (*Phaseolus vulgaris*) in Karanganyar Regency]. Pemanfaatan kompos enceng gondok dan gambut pada tanaman buncis di Kabupaten Karanganyar/Iriani, E.; Setiani, C.; Juanda, D. (Balai Pengkajian Teknologi Pertanian Jawa Tengah, Ungaran (Indonesia)). [Proceedings of national seminar on the science and technology]. Prosiding seminar nasional: Iptek solusi kemandirian bangsa /Mudjisihono, R.; Udin, L.Z.; Moeljopawiro, S.; Soegandhi, T.M.S.; Kusnowo, A.; Karossi, A.T.A.; Masyudi, M.F.; Sudihardjo, A.M.; Musofie, A.; Wardhani, N.K.; Sembiring, L.; Hartanto (eds.) Lembaga Ilmu Pengetahuan Indonesia, Jakarta (Indonesia). Yogyakarta : BPTP Yogyakarta, 2006: p. 389-393 3 tables; 12 ref. 631.145/.152/SEM/p

PHASEOLUS VULGARIS; COMPOSTS; EICHHORNIA CRASSIPES; PEAT; ORGANIC FERTILIZERS; FERTILIZER APPLICATION; DOSAGE EFFECTS; AGRONOMIC CHARACTERS; YIELD COMPONENTS; JAVA.

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ANACARDIUM OCCIDENTALE; ZEA MAYS; ORYZA SATIVA; MULTIPLE CROPPING; LAND USE; MONO-CULTURE; FARMERS; PARTICIPATION; TECHNOLOGY TRANSFER; FARM INCOME; DRY FARMING; NUSA TENGGARA.

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F30 PLANT GENETICS AND BREEDING / GENETIKA DAN PEMULIAAN TANAMAN

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DRUG PLANTS; EXTRACTION;
ISOLATION; SPECTROMETRY;
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BIODIVERSITY.

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HETEROPSYLLA CUBANA; BIOLOGI-
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PLANOCOCCUS.

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VARIETIES; INTEGRATED CONTROL;
CILAPELLIDAE; PLANTING; DISEASE
RESISTANCE.

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ANTAGONISM; MICROORGANISMS;
BIOPESTICIDES; BIOLOGICAL
CONTROL.

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PUCCINIA HARIANA; PLANT DISEASES;
DISEASE RESISTANCE; GENETIC
RESISTANCE; DISEASE TRANSMISSION;
AGRONOMIC CHARACTERS; PLANT
RESPONSE; JAVA.

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PESTICIDES; MICROORGANISMS;
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VARIETIES.

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ALLIUM ASCALONICUM; PATHOGENS;
ALTERNARIA PORRI; AZADIRACHTA
INDICA; NEEM EXTRACTS;
CHLOROFORM; ETHANOL; EXTRAC-
TION; BOTANICAL PESTICIDES.

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SOILBORNE ORGANISMS; PATHOGENS;
BIODIVERSITY; LAND USE; SUMATRA.

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FUNGICIDES; GROWTH; ENTO-

MOGENOUS FUNGI; VERTICILLIUM LECANII.

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CITRULLUS LANATUS; CUCUMIS MELO; FUSARIUM OXYSPORUM; BIOLOGICAL CONTROL AGENTS; TRICHODERMA; GLIOCLADIUM; DISEASE TRANSMISSION.

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MUSA PARADISIACA; PSEUDOMONAS SOLANACEARUM; PATHOGENICITY; PLANT DISEASES; APIDAE.

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SOLANACEAE; PSEUDOMONAS SOLANACEARUM; RESISTANCE TO CHEMICALS; ANTIBIOTICS.

**H50 MISCELLANEOUS PLANTS
DISORDERS/ RAGAM KELAINAN
PADA TANAMAN**

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VIGNA RADIATA RADIATA;
GENOTYPES; RESISTANCE TO
INJURIOUS FACTORS; SHADING.

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

746 AMIARSI, D. Effect of transportation of potted orchid on flower shelf-life during expose at several rooms conditions. Pengaruh transportasi, kultivar anggrek pot terhadap kesegaran bunga selama peragaan pada berbagai kondisi ruangan/Amiarsi, D.; Yulianingsih (Balai Penelitian Tanaman Hias, Cianjur (Indonesia)); Sabari, S.D. Jurnal Hortikultura (Indonesia). ISSN 0853-7097 (2006) v. 16(1) p. 50-56 3 tables; 13 ref.

DENDROBIUM; POT PLANTS;
TRANSPORT; KEEPING QUALITY;
ENVIRONMENTAL FACTORS.

747 AMIARSI, D. Effect of transportation, blooming stages, and cultivar on the flower shelf-life of potted Dendrobium orchid, placed in a greenhouse. Pengaruh transportasi, tingkat kemekaran bunga, dan kultivar anggrek pot berbunga terhadap ketahanan segar pada rumah sere/Amiarsi, D.; Yulianingsih (Balai Penelitian Tanaman Hias, Cianjur (Indonesia)); Sabari, S.D.. Jurnal Hortikultura (Indonesia). ISSN 0853-7097 (2006) v. 16(1) p. 57-62 4 tables; 16 ref.

DENDROBIUM; FLOWERING; POT
PLANTS; TRANSPORT; PLANT
CONTAINERS; KEEPING QUALITY.

748 GHOLIB, D. Mould population in samples of unground and ground corn collected from three bird markets in Jakarta. Populasi kapang pada sampel jagung pipil dan giling yang diambil dari tiga pasar burung di Jakarta/Gholib, D.; Arifin, Z. (Balai Penelitian Veteriner, Bogor (Indonesia)); Nurmarlina. [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 1032-1035 3 tables; 12 ref. 636:338.439/SEM/p

MAIZE; MOULDS; ASPERGILLUS;
PENICILLIUM; FUSARIUM; BIOLOGICAL
CONTAMINATION; JAKARTA.

749 GUNAWAN, O.S. Effect of diffuse light storage and seed potato containers to pests, diseases, and sprouting of seed potato. Pengaruh cahaya dan tempat penyimpanan bibit kentang di gudang terhadap pertunasan dan serangan hama penyakit gudang/ Gunawan, O.S. (Balai Penelitian Tanaman Sayuran, Lembang (Indonesia)). Jurnal Hortikultura (Indonesia). ISSN 0853-7097 (2006) v. 16(2) p. 142-150 6 tables; 13 ref.

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CONTAINERS; LIGHT; SPROUTING;
POSTHARVEST DECAY; STORED
PRODUCTS PESTS.

750 ONGGO, T.M. Change of starch and sugar compositions of two sweet potato cultivars nirkum "Cilembu" during storage. Perubahan komposisi pati dan gula dua jenis ubi jalar nirkum "Cilembu" selama penyimpanan/Onggo, T.M. (Universitas Padjadjaran, Jatinangor, Sumedang (Indonesia). Fakultas Pertanian). Bionatura (Indonesia). ISSN 1411-0903 (2006) v. 8(2) p. 161-170 2 ill., 2 tables; 5 ref

SWEET POTATOES; VARIETIES;
KEEPING QUALITY; STARCH;
SUCROSE; FRUCTOSE; ORGANOLEPTIC
ANALYSIS; STORAGE.

751 USMIATI, S. Pepper skin decorticating process using pectinase enzyme . Pengupasan

kulit buah lada dengan enzim pektinase /Usmiati, S.; Nurdjannah, N. (Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian, Bogor (Indonesia)). Jurnal Penelitian Tanaman Industri (Indonesia). ISSN 0853-8212 (2006) v. 12(2) p. 80-86 3 ill., 6 tables; 15 ref.

PIPER NIGRUM; POSTHARVEST TECHNOLOGY; PEELING; POLYGALACTURONASE; ENZYMES; QUALITY.

J14 HANDLING, TRANSPORT, STORAGE AND PROTECTION OF FISHERIES AND AQUACULTUREAL PRODUCTS / PENANGANAN, TRANSPOR, PENYIMPANAN DAN PERLINDUNGAN HASIL PERIKAN-AN DAN AKUAKULTUR

752 BUWONO, I.D. Decreasing efforts of heavy metals content of Hg and Pb in green mussel (*Mytilus viridis* Linn.) with different Na₂CaEDTA concentration and soaking time. Upaya penurunan kandungan logam Hg (merkuri) dan Pb (timbal) pada kerang hijau (*Mytilus viridis* Linn.) dengan konsentrasi dan waktu perendaman Na₂CaEDTA yang berbeda/ Buwono, I.D.; Lestari, L.; Suherman, H. (Universitas Padjadjaran, Jatinangor-Sumedang (Indonesia). Fakultas Pertanian). Bionatura (Indonesia). ISSN 1411-0903 (2005) v. 7(3) p. 192-204 2 ill., 4 tables; 21 ref

MYTILUS; MERCURY; LEAD; MINERAL CONTENT; SOAKING; WATER POLLUTION.

K10 FORESTRY PRODUCTION / PRODUKSI KEHUTANAN

753 JAYUSMAN. Effect of basal media and plant growth regulator concentration towards the succes of induction and multiplication in shoot tip culture of *Styrax benzoine* dryand. Peran media dasar dan konsentrasi hormon pertumbuhan terhadap induksi dan multiplikasi tunas pucuk kemenyan/Jayusman (Pusat Penelitian dan Pengembangan Hutan Tanaman, Yogyakarta (Indonesia)). Jurnal Penelitian Hutan Tanaman (Indonesia). ISSN 1829-6327 (2006) v. 3(1) p. 1-10 4 ill., 4 tables; 14 ref.

STYRAX; TISSUE CULTURE; CULTURE MEDIA; PLANT GROWTH SUBSTANCES; SHOOTS.

754 JAYUSMAN. Shoots initiation of *Gonystylus bancanus* Kurz in vitro propagation. Inisiasi tunas ramin melalui kultur jaringan/Jayusman; Setiawan, A. (Pusat Penelitian dan Pengembangan Hutan Tanaman, Yogyakarta (Indonesia)). Jurnal Penelitian Hutan Tanaman (Indonesia). ISSN 1829-6327 (2006) v. 3(1) p. 53-62 3 ill., 3 tables; 19 ref.

GONYSTYLUS BANCANUS; TISSUE CULTURE; PLANT GROWTH SUBSTANCES; SHOOTS.

755 MAHFUDZ. Effect of growth regulators and plant mediums on the growth of *Instia* spp. shoot cuttings. Pengaruh zat pengatur tumbuh dan media tanam terhadap pertumbuhan stek pucuk merbau/Mahfudz; Moko, H. (Pusat Penelitian dan Pengembangan Hutan Tanaman, Yogyakarta (Indonesia)); Isnaini. Jurnal Penelitian Hutan Tanaman (Indonesia). ISSN 1829-6327 (2006) v. 3(1) p. 25-34 3 tables; 20 ref.

INSTIA; PLANT GROWTH SUBSTANCES; GROWING MEDIA; CUTTINGS; VEGETATIVE PROPAGATION; GROWTH.

756 SETIAWAN, A. Medicinal plants in the forest area of Meratus Mountain, South Kalimantan. Potensi flora berkhasiat obat di kawasan hutan lereng pegunungan Meratus, Kalimantan Selatan/Setiawan, A. (Balai Pendidikan dan Pelatihan Kehutanan, Samarinda (Indonesia)); Mansyur, H.S. Proceedings of the National Seminar on Increasing Forest Productivity : role of genetic resources conservation, breeding, and silviculture in supporting forest rehabilitation. Prosiding Seminar Nasional Peningkatan Produktivitas Hutan : peran konservasi sumberdaya genetik, pemuliaan dan silvikultur dalam mendukung rehabilitasi hutan/Hardiyanto, E.B. (ed.) Universitas Gajah Mada, Yogyakarta (Indonesia). Fakultas Kehutanan. Yogyakarta: UGM, 2005: p. 299-311 7 tables; 7 ref

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COMPOSITION; GEOGRAPHICAL DISTRIBUTION; MEDICINAL PROPERTIES; FOREST STANDS; KALIMANTAN.

757 SURYANTO, P. Crown development of teak from seedling, tissue culture and shoot cutting. Perkembangan tajuk pohon jati berasal dari biji, kultur jaringan dan stek pucuk/ Suryanto, P.; Aryono, W.B.; Sabarnurdin, M.S. (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Kehutanan). Jurnal Penelitian Hutan Tanaman (Indonesia). ISSN 1829-6327 (2006) v. 3(1) p. 35-43 4 ill., 5 ref.

TECTONA GRANDIS; CROWN; TISSUE CULTURE; GROWTH.

K50 PROCESSING OF FOREST PRODUCTS / PENGOLAHAN HASIL HUTAN

758 SIBURIAN, R. [Impregnation of palm oil trunk using polyclone polypropylene/natural rubber and acrylic acid]. Impregnasi kayu kelapa sawit dengan poliblen polipropilena/karet alam dan asam akrilat/Siburian, R. (Universitas Nusa Cendana, Kupang (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam); Sianturi, H.L.; Fadli, A.. Jurnal Natur Indonesia. ISSN 1410-9379 (2005) v. 8(1) p. 48-53 7 ill., 3 tables; 15 ref.

OIL PALM; TRUNKS; POLYPROPYLENE; RUBBER; ACIDS.

L01 ANIMAL HUSBANDRY / PETERNAKAN

759 HASSAN, Z.H. Analysis of arab chicken farming for egg production at South Kalimantan Tidal Swamp . Analisis usaha peternakan ayam arab penghasil telur di lahan pasang surut Kalimantan Selatan/Hassan, Z.H.; Rohaeni, E.S. (Balai Pengkajian Teknologi Pertanian Kalimantan Selatan, Banjarbaru (Indonesia)). [Proceedings of national seminar on the science and technology]. Prosiding seminar nasional: Iptek solusi kemandirian bangsa /Mudjisihono, R.; Udin, L.Z.; Moeljopawiro, S.; Soegandhi, T.M.S.; Kusnowo, A.; Karossi, A.T.A.; Masyudi, M.F.; Sudihardjo, A.M.; Musofie, A.; Wardhani, N.K.; Sembiring, L.; Hartanto (eds.) Lembaga Ilmu Pengetahuan Indonesia, Jakarta (Indonesia). Yogyakarta : BPTP Yogyakarta, 2006: p. 521-525 1 table; 12 ref.

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LAYER CHICKENS; ANIMAL HUSBANDRY; EGG PRODUCTION; FARMING SYSTEMS; FARM INCOME; ECONOMIC ANALYSIS; TOTAL COSTS; INTERTIDAL ENVIRONMENT; KALIMANTAN.

760 JUARINI, E. Evaluation on the development of duck MA and its eggs marketing system in the production centre at Blitar Regency. Evaluasi pengembangan itik MA dan pemasaran telur di sentra produksi Kabupaten Blitar/Juarini, E.; Sumanto; Wibowo, B.; Prasetyo, H. (Balai Penelitian Ternak, Ciawi-Bogor (Indonesia)). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 836-844 1 ill., 5 tables; 6 ref. 636:338.439/SEM/p

DUCKS; SPECIES; EGGS; PRODUCTION POSSIBILITIES; MARKETING; ECONOMIC ANALYSIS; JAVA.

761 RESNAWATI, H. Response of broiler on the diet containing *Lumbricus rubellus* earthworms meal. Respon ayam pedaging terhadap ransum yang mengandung tepung cacing tanah (*Lumbricus rubellus*)/Resnawati, H. (Balai Penelitian Ternak, Ciawi-Bogor (Indonesia)) .[Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 715-720 4 tables; 22 ref. 636:338.439/SEM/p

BROILER CHICKENS; FEED CONSUMPTION; OLIGOCHAETA; FLOURS; LUMBRICUS RUBELLUS; ANIMAL PERFORMANCE; WEIGHT GAIN.

762 ROHAENI, E.S. Feasibility analysis of Alabio duck farm with lanting system at Hulu Sungai Tengah [South Kalimantan]. Analisis kelayakan usaha itik Alabio dengan system lanting di Kabupaten Hulu Sungai Tengah/Rohaeni, E.S. (Balai Pengkajian Teknologi Pertanian Kalimantan Selatan, Banjarbaru (Indonesia)).[Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 845-850 3 tables; 8 ref.

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DUCKS; SPECIES; FARM MANAGEMENT; REARING TECHNIQUES; FARMING SYSTEMS; FARM INCOME; ECONOMIC ANALYSIS; KALIMANTAN.

763 SULISTIYONO, I. Effect of alternative feed to nunukan chicken in production period. Pengaruh penggunaan pakan alternatif pada ayam nunukan periode produksi/Sulistiyono, I.; Wafiatiningsih; Bariroh, N.R. (Balai Pengkajian dan Teknologi Pertanian Kalimantan Timur, Samarinda (Indonesia)). [Proceedings of national seminar on the science and technology]. Prosiding seminar nasional: Iptek solusi kemandirian bangsa /Mudjisihono, R.; Udin, L.Z.; Moeljopawiro, S.; Soegandhi, T.M.S.; Kusnowo, A.; Karossi, A.T.A.; Masyudi, M.F.; Sudihardjo, A.M.; Musofie, A.; Wardhani, N.K.; Sembiring, L.; Hartanto (eds.) Lembaga Ilmu Pengetahuan Indonesia, Jakarta (Indonesia). Yogyakarta : BPTP Yogyakarta, 2006: p. 527-530 3 tables; 11 ref.

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CHICKENS; ENDANGERED SPECIES; TRADITIONAL TECHNOLOGY; ANIMAL HUSBANDRY; INTENSIVE HUSBANDRY; FEEDS; INGREDIENTS; GROWTH PERIOD; WEIGHT GAIN; FEED CONVERSION EFFICIENCY.

764 SUSANTI, T. Egg production of MA duck and on BPTU Pelaihari South Kalimantan. Produksi telur itik MA di BPTU Pelaihari Kalimantan Selatan/ Susanti, T.; Setioko, A.R.; Prasetyo, L.H. (Balai

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DUCKS; EGG HATCHABILITY; HATCHERIES; QUALITY; CONSUMPTION; EGG WHITE; EGG YOLK; PH; SELECTION; TIME.

L02 ANIMAL FEEDING / PAKAN HEWAN

766 AZMI. Growth and economic value of Bengkulu grower phase local duck with and without improved feed. Pertumbuhan dan nilai ekonomis itik lokal Bengkulu fase grower dengan dan tanpa perbaikan ransum/Azmi; Gunawan (Balai Pengkajian Teknologi Pertanian Bengkulu (Indonesia)).[Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan

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636:338.439/SEM/p

DUCKS; SPECIES; FEED CONVERSION EFFICIENCY; ECONOMIC VALUE; GROWTH; RATIONS; CONCENTRATES; ECONOMIC ANALYSIS; SUMATRA.

767 BESTARI, J. Use of mengkudu (*Morinda citrifolia* Linn) flour mash submerged in hot water on broiler performance. Pengaruh pemberian tepung daun mengkudu (*Morinda citrifolia* Linn) yang direndam air panas terhadap penampilan ayam broiler /Bestari, J. (Balai Penelitian Ternak, Ciawi-Bogor (Indonesia)); Parakkasi, A.; Akil, S .[Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/ Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 703-713 3 ill., 7 tables; 14 ref.
636:338.439/SEM/p

BROILER CHICKENS; RUBIACEAE; LEAVES; DRUG PLANTS; FLOURS; HEAT TREATMENT; WATER TOLERANCE; ANIMAL PERFORMANCE; WEIGHT GAIN.

768 BINTANG, I.A.K. Effect of turmeric (*Curcuma domestica* Val) meal as feed additive on the performance of broiler. Pengaruh penambahan tepung kunyit (*Curcuma domestica* Val) dalam ransum broiler/ Bintang, I.A.K. (Balai Penelitian Ternak, Ciawi-Bogor (Indonesia)); Nataamijaya, A.G .[Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 733-736 1 table; 9 ref.
636:338.439/SEM/p

BROILER CHICKENS; TURMERIC; FLOURS; FEED CONSUMPTION; FEED

CONVERSION EFFICIENCY; WEIGHT GAIN; ANIMAL PERFORMANCE.

769 FEBRISANTOSA, A. [Effect of fermented cassava meal supplemented by chitin waste as feed on the physical quality of quail egg]. Kualitas fisik telur puyuh dengan pemberian pakan hasil fermentasi onggok yang di suplementasi limbah proses pembuatan kitin/ Febrisiantosa, A.; Julendra, H. (Balai Pengembangan Proses dan Teknologi Kimia-LIPI, Yogyakarta (Indonesia). Unit Pelaksana Teknis). [Proceedings of national seminar on the science and technology]. Prosiding seminar nasional: Iptek solusi kemandirian bangsa /Mudjisihono, R.; Udin, L.Z.; Moeljopawiro, S.; Soegandhi, T.M.S.; Kusnowo, A.; Karossi, A.T.A.; Masyudi, M.F.; Sudihardjo, A.M.; Musofie, A.; Wardhani, N.K.; Sembiring, L.; Hartanto (eds.) Lembaga Ilmu Pengetahuan Indonesia, Jakarta (Indonesia). Yogyakarta : BPTP Yogyakarta, 2006: p. 329-333 2 tables; 17 ref.
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QUAILS; FEEDS; WASTE UTILIZATION; CASSAVA; FERMENTATION; SUPPLEMENTS; CHITIN; PROXIMATE COMPOSITION; EGG SHELL; LAYING PERFORMANCE; QUALITY.

770 HASAN, Z.H. Potency of *Lactobacillus* isolated from chickens digestive tracts as probiotics agents: its tolerance and resistance towards bile salt. Potensi isolat *Lactobacillus* dari saluran pencernaan ayam sebagai agensia probiotik: toleransi dan ketahanannya terhadap garam empedu/Hasan, Z.H. (Balai Pengkajian Teknologl Pertanian Kalimantan Selatan, Banjarbaru (Indonesia)).[Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 721-726 3 ill., 3 tables; 15 ref.
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CHICKENS; ISOLATES; LACTO-BACILLUS; PROBIOTICS; DIGESTIONS; BILE SALTS.

771 PASARIBU, T. Effectivity of *Aloe vera barbadensis* bioactives on commercial farmer. Efektivitas bioaktif lidah buaya (*Aloe vera barbadensis*) di tingkat peternak komersial/Pasaribu, T.; Sinurat, A.P.; Purwadaria, T. (Balai Penelitian Ternak, Ciawi-Bogor (Indonesia)). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 727-732 3 tables; 10 ref.
636:338.439/SEM/p

LAYER CHICKENS; EGG PRODUCTION; WEIGHT; ALOE BARBADENSIS; FEED CONSUMPTION; ANTIBIOTICS; MORTALITY; COMMERCIAL FARMING.

772 PUTRA, I G.A.A. VFA production rate and its absorption of etawah crossbred goats fed diets containing different protein/energy ratios. Laju produksi VFA (volatile fatty acid) dan serapannya pada kambing peranakan etawah yang diberi pakan dengan imbalanced protein/energi yang berbeda/Putra, I G.A.A. (Universitas Udayana, Denpasar (Indonesia). Fakultas Peternakan). Jurnal Veteriner (Indonesia). ISSN 1411-8327 (2004) v. 5(2) p. 54-58 2 tables; 11 ref.

GOATS; FEEDS; PELLETS; VOLATILE FATTY ACIDS; ABSORPTION; PROTEIN CONCENTRATES; PROXIMATE COMPOSITION.

773 PUTRA, S. Effect of basal diets and concentrates quality improvement on the first pregnancy of Bali heifers performance. Pengaruh perbaikan mutu pakan dasar dan konsentrat terhadap performans sapi bali bunting pertama/Putra, S. (Universitas Udayana, Denpasar (Indonesia). Fakultas Peternakan). Jurnal Veteriner (Indonesia). ISSN 1411-8327 (2006) v. 7(3) p. 130-138 3 tables; 21 ref.

BEEF CATTLE; FEEDS; CONCENTRATES; QUALITY; PROXIMATE COMPOSITION; ANIMAL PERFORMANCE.

774 SAGAF. [Effect of different dietary energy concentrations at 14 percent protein level on the body weight changes and income over feed cost of local rams]. Pengaruh level energi berbeda dengan protein 14 persen terhadap penambahan bobot badan dan income over feed cost kambing lokal jantan/Sagaf (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Ilmiah Agrisains (Indonesia). ISSN 1412-3657 (2006) v. 7(2) p. 106-113 5 tables; 12 ref

RAMS; TROPHIC LEVELS; PROTEINS; WEIGHT GAIN; FEED CONVERSION EFFICIENCY; FEEDING LEVEL; RATIONS.

775 SAJIMIN. Utilization of rabbit manure for forage production of *Stylosanthes hamata*. Produksi tanaman pakan ternak *Stylosanthes hamata* yang diberi pupuk feses kelinci/Sajimin; Raharjodan, Y.C.; Purwantari, N.D. (Balai Penelitian Ternak, Ciawi-Bogor (Indonesia)). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 897-902 4 tables; 9 ref.
636:338.439/SEM/p

STYLOSANTHES HAMATA; FERTILIZER APPLICATION; RABBITS; FARMYARD MANURE; PROBIOTICS.

L10 ANIMAL GENETICS AND BREEDING / GENETIKA DAN PEMULIAAN HEWAN

776 PRASETYO, L.H. Interaction between genotypes and quality of diets on egg productions and egg quality of local ducks. Interaksi antara bangsa itik dan kualitas ransum pada produksi dan kualitas telur itik lokal/Prasetyo, L.H.; Ketaren, P.P. (Balai Penelitian Ternak, Ciawi-Bogor (Indonesia)). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan

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DUCKS; SPECIES; GENOTYPE ENVIRONMENT INTERACTION; EGG PRODUCTION; QUALITY; FEED INTAKE; DURATION; PERFORMANCE TESTING.

777 SETIOKO, A.R. Breeding program of MA ducks in BPTU (Institution for Superior Livestock Breeding) Pelaihari (Indonesia): selection of alabio parent stocks. Program pembibitan itik MA di BPTU Pelaihari Kalimantan Selatan: seleksi pada populasi bibit induk itik alabio/Setioko, A.R.; Susanti, T.; Prasetyo, L.H. (Balai Penelitian Ternak, Ciawi-Bogor (Indonesia)); Supriyadi. [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 763-767 2 tables; 8 ref. 636:338.439/SEM/p

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MONKEYS; GENETIC POLYMORPHISM; TOURISM; MICROSATELLITES; NATURE CONSERVATION; BALI.

779 WIJAYANTI, G.E. Development and viability of Nile fish (*Osteochillus hasselti* C.V.) embryo and larvae pasca chorion puncture. Viabilitas dan perkembangan embrio serta larva ikan nilam (*Osteochillus hasselti* C.V.) pasca chorion puncture/Wijayanti, G.E.; Simanjuntak, S.B.I. (Universitas Jenderal Soedirman, Purwokerto

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FRESHWATER FISHES; FISH LARVAE; EMBRYONIC DEVELOPMENT; VIABILITY; PLACENTA; SURVIVAL; HATCHING.

L20 ANIMAL ECOLOGY/ EKOLOGI HEWAN

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L50 ANIMAL PHYSIOLOGY AND BIOCHEMISTRY / FISILOGI DAN BIOKIMIA HEWA

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784 WULANDARI, W.A. Biological characteristics of cihateup duck of Tasikmalaya Garut Regencies. Kajian karakteristik biologis itik cihateup dari Kabupaten Tasikmalaya dan Garut / Wulandari, W.A.; Hardjosworo, P.S.; Gunawan (Balai Pengkajian Teknologi Pertanian Bengkulu (Indonesia)).[Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 795-803 3 ill., 3 tables; 9 ref.
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L51 ANIMAL PHYSIOLOGY - NUTRITION / FISILOGI HEWAN-NUTRISI

785 BABAY, S. [Effect of cow bioplus provision on the weight of local rams]. Efek pemberian bioplus asal sapi terhadap bobot komponen karkas kambing lokal jantan/Babay, S.; Padang (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Ilmiah Agrisains (Indonesia). ISSN 1412-3657 (2006) v. 7(2) p. 114-120 3 tables; 19 ref

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

786 SRININGSIH. [Effect of *Hydrocotyle sibthorpioides* ethanol extract on body weighing of white male rat]. Pengaruh pemberian ekstrak etanol *Hydrocotyle sibthorpioides* Lamk. terhadap berat badan tikus putih jantan/Sriningsih; Sumaryono, W. (Pusat Penelitian dan Pengembangan Teknologi Farmasi dan Medika, Jakarta (Indonesia)); Riyanto, Y.. Jurnal Bahan Alam Indonesia (Indonesia). ISSN 1412-2855 (2005) v. 4(1) p. 238-241 1 ill., 4 tables; 6 ref.

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L53 ANIMAL PHYSIOLOGY - REPRODUCTION / FISILOGI-REPRODUKSI HEWAN

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788 DRADJAT, A.S. Frozen-Thawed motility using two cryopreservatives and three techniques of freezing in chital deer (*Axis axis*) semen. Motilitas semen rusa chital (*Axis axis*) pasca pembekuan menggunakan dua media dan tiga teknik pembekuan/Dradjat, A.S. (Universitas Mataram (Indonesia). Fakultas Peternakan). Jurnal Veteriner (Indonesia). ISSN 1411-8327 (2004) v. 5(2) p. 77-84 4 ill., 2 tables; 20 ref.

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789 LAKSMI, D.N.D.I. Effect of the extract bananas, tomato and pawpaw for dilution semen the green jungle fowls (*Gallus varius*) for the fertility of the village chicken (*Gallus domesticus*) eggs. Pengaruh pengencer ekstrak buah pisang, tomat, dan pepaya untuk pengencer semen ayam hutan hijau (*Gallus varius*) terhadap fertilitas telur ayam kampung (*Gallus domesticus*)/ Laksmi, D.N.D.I.; Bebas, W. (Universitas Udayana, Denpasar (Indonesia). Fakultas Kedokteran Hewan). Jurnal Veteriner (Indonesia). ISSN 1411-8327 (2006) v. 7(3) p. 125-129 2 tables; 16 ref.

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792 ROHAENI, E.S. Alabio duck hatchery farm with unhulled paddy modification system at breeding Centre in Hulu Sungai Utara Regency [South Kalimantan]. Usaha penetasan itik alabio sistem sekam yang dimodifikasi di sentra pembibitan Kabupaten Hulu Sungai Utara /Rohaeni, E.S.; Subhan, A.; Setioko, A.R. (Balai Pengkajian Teknologi Pertanian Kalimantan Selatan, Banjarbaru (Indonesia)).[Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 772-777 2 tables; 13 ref. 636:338.439/SEM/p

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793 RUSDIN. [Fresh semen characteristic of Ettawah cross rams in Laboratory of Animal and Forage Breeding Centre, Garahan Silo, Jember. Karakteristik semen segar pejantan kambing peranakan Etawa (PE) di Balai Pembibitan Ternak dan Hijauan makanan ternak Garahan Silo, Jember/Rusdin (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Ilmiah Agrisains (Indonesia). ISSN 1412-3657 (2006) v. 7(2) p. 121-127 4 tables; 11 ref

RAMS; SEMEN; CROSSBREEDING; ARTIFICIAL INSEMINATION; RATIONS; UNRESTRICTED FEEDING; PROXIMATE COMPOSITION; LABORATORY EQUIPMENT; JAVA.

L60 ANIMAL TAXONOMY AND GEOGRAPHY / TAKSONOMI HEWAN DAN SEBARAN GEOGRAFIS

794 YAHERWANDI. Spatial analysis of agricultural landscape and Hymenoptera biodiversity at Cianjur Watershed. Analisis spasial lanskap pertanian dan keanekaragaman Hymenoptera di Daerah Aliran Sungai Cianjur /Yaherwandi (Universitas Andalas, Padang (Indonesia). Fakultas Pertanian); Manuwoto, S.; Buchori, D.; Hidayat, P.; Budiprasetyo, L. Hayati (Indonesia). ISSN 0854-8587 (2006) v. 13(4) p. 137-144 4 ill., 3 tables; 24 ref.

HYMENOPTERA; BIODIVERSITY; LANDSCAPE; WATERSHEDS; JAVA.

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

795 ARIYANTI, T. Development enzyme linked immunosorbent assay for evaluating antibody response of egg yolk from chicken immunized with killed whole cell antigen of *Salmonella enteritidis* phage type 4. Pengembangan enzyme linked immunosorbent assay untuk evaluasi respon antibodi pada egg yolk dari ayam yang diimunisasi antigen sel utuh inaktif *S. enteritidis* phage type 4/ Ariyanti, T.; Supar; Djaenuri; Iskandar (Balai Penelitian Veteriner, Bogor (Indonesia)). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 1056-1069 6 ill., 2 tables; 20 ref. 636:338.439/SEM/p

CHICKENS; EGG YOLK; ELISA; ANTIBODIES; MASTIGOPHORA; SALMONELLA ENTERITIDIS; IMMUNOLOGICAL TECHNIQUES.

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(*Acalypha indica* Linn)/Azizahwati; Wiryowidagdo, S.; Prihandini, K.(Universitas Indonesia, Depok (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam). Jurnal Bahan Alam Indonesia (Indonesia). ISSN 1412-2855 (2005) v. 4(1) p. 213-218 3 ill., 4 tables; 10 ref.

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797 DADA, I K.A. Comparison of the effect of combined treatment Xylazine-Ketamine and Xylazine-Ketamine-Yohimbin on dog's respiratory rate and body temperature. Perbandingan efek pemberian kombinasi Xylazine-Ketamine dengan Xylazine-Ketamine-Yohimbin terhadap frekuensi nafas dan suhu tubuh anjing/Dada, I K.A.; Gorda, I W. (Universitas Udayana, Denpasar (Indonesia). Fakultas Kedokteran Hewan). Jurnal Veteriner (Indonesia). ISSN 1411-8327 (2004) v. 5(2) p. 59-66 2 ill., 8 tables; 8 ref.

DOGS; VETERINARY MEDICINE; RESPIRATION RATE; BODY TEMPERATURE; ANAESTHESIA.

798 DEWOTO, H.R. Test of hypoglycemic effect of *Phaleria macrocarpa* (Scheff) Boerl. on rabbit compared with glibenclamide. Uji efek hipoglikemik ekstrak daging buah mahkota dewa [*Phaleria macrocarpa* (Scheff.) Boerl.] pada kelinci, dibandingkan glibenklamid/Dewoto, H.R.; Mariana, Y.; Arif, A. (Universitas Indonesia, Jakarta (Indonesia). Fakultas Kedokteran). Jurnal Bahan Alam Indonesia (Indonesia). ISSN 1412-2855 (2006) v. 6(1) p. 20-23 2 tables; 8 ref.

TRADITIONAL MEDICINES; DRUG PLANTS; EXTRACTS; BLOOD SUGAR; RABBITS; HYPOGLYCAEMIA; TESTING.

799 GUSMAYADI, I. Evaluation of combination 70 percent cassava starch and 30 percent talas starch as filler on tableting process. Uji campuran 70 persen amilum umbi singkong (*Manihot esculenta*, Crantz.) dengan 30 persen amilum umbi talas (*Colocasia esculenta* (L.) Schott) sebagai bahan pengisi dalam pembuatan tablet/Gusmayadi, I. (Universitas Indonesia, Jakarta (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam). Jurnal Bahan Alam Indonesia

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CASSAVA; TARO; STARCH;
PROXIMATE COMPOSITION;
MOULDING; PHARMACEUTICAL
INDUSTRY.

800 KATRIN. [Effect of several *Dendrophthoe pentandra* L. Miq. leaves extracts on mice immune system]. Pengaruh berbagai ekstrak dari daun benalu duku (*Dendrophthoe pentandra* L. Miq) terhadap sistem imun mencit/Katrin (Institut Teknologi Bandung (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam); Soemardji, A.A.; Soeganda, A.G.; Soediro, I.; Kosasih P.W.. Jurnal Bahan Alam Indonesia (Indonesia). ISSN 1412-2855 (2005) v. 4(1) p. 236-237 9 ref.

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PARASITIC PLANTS; LEAVES; PLANT
EXTRACTS; PHAGOCYTOSIS; IMMUNE
RESPONSE.

801 MUCHTARIDI. Application of solid phase extraction-GC/MS (gas chromatography-mass spectrometry) technology in preparation of analysis of volatile compounds in blood plasma of mice. Aplikasi teknologi ekstraksi fasa padat-GC/ MS (gas chromatography-mass spectrometry) pada preparasi analisis senyawa atsiri dalam plasma darah mencit/ Muchtaridi (Universitas Padjadjaran, Jatinangor - Sumedang (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam). Bionatura (Indonesia). ISSN 1411-0903 (2005) v. 7(3) p. 184-191 2 ill., 2 tables; 9 ref.

ESSENTIAL OILS; MYRISTIN;
MYRISTICA; SEEDS; EXTRACTS;
OCIMUM; BLOOD PLASMA; MICE;
LABORATORY ANIMALS.

802 RINAYANTI, A. Effect of *Aloe vera* L. on heart rhythmic of rat. Pengaruh pemberian jus lidah buaya (*Aloe vera* L) terhadap frekuensi denyut jantung tikus putih (*Rattus norvegicus* L.)/Rinayanti, A.; Erlana, N. (Universitas 17 Agustus 1945, Jakarta (Indonesia)); Adil, E.I.M.. Jurnal Bahan Alam Indonesia (Indonesia). ISSN 1412-2855 (2006) v. 6(1) p. 5-8 1 ill.; 9 ref.

RATS; LABORATORY ANIMALS; ALOE
VERA; PROCESSED PLANT PRODUCTS;
TRADITIONAL MEDICINES; HYPER-
TENSION; BIOLOGICAL RHYTHMS.

803 RUSTANTI, L. Acute toxicity test of antidiabetic jamu on mice. Uji ketoksikan akut jamu antidiabetika pada mencit jantan/Rustanti, L. (Pusat Penelitian dan Pengembangan Biomedis dan Farmasi, Jakarta (Indonesia)); Nurlaila. Jurnal Bahan Alam Indonesia (Indonesia). ISSN 1412-2855 (2006) v. 6(1) p. 24-27 3 tables; 10 ref.

TRADITIONAL MEDICINES; TOXICITY;
DIABETES; MICE; LABORATORY
ANIMALS; TESTING.

804 SAIFULLAH S., T.N. Micro-encapsulation of theophylline with black soybean protein (*Glycine Max*) as coating material by denaturizing method. Mikro-encapsulasi teofilin dengan protein kedelai hitam (*Glycine max*) sebagai penyalut menggunakan metode denaturasi/Saifullah S., T.N. (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Farmasi); Andina, L.; Zahliyatul M., S.. Jurnal Bahan Alam Indonesia (Indonesia). ISSN 1412-2855 (2006) v. 6(1) p. 28-32 2 ill., 2 tables; 9 ref.

SOYBEANS; PROTEINS; MICRO-
ENCAPSULATION; DENATURATION;
THEOPHYLLINE; PHARMACEUTICAL
INDUSTRY.

805 SUBARNAS, A. Antidepressant activity of the methanol extract of *Areca catechu* L. seeds in mice. Aktivitas antidepresi ekstrak metanol biji pinang (*Areca catechu* L.) pada mencit/Subarnas, A. (Universitas Padjadjaran, Jatinangor-Sumedang (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam) . Bionatura (Indonesia). ISSN 1411-0903 (2005) v. 7(2) p. 91-100 5 tables; 13 ref.

ARECA CATECHU; SEEDS; DRUG
PLANTS; PLANT EXTRACTS;
HYPOTHERMIA; MICE; LABORATORY
ANIMALS; METHANOL.

806 SYAMSUDIN. Teratogenic effect of methanol extract of *Leucaena leucocephala* (Lamk) De Wit on pregnant mice. Efek teratogenik ekstrak metanol biji petai cina

(*Leucaena leucocephala* (Lamk) De Wit) pada mencit hamil/Syamsudin; Rizikiyan, Y. (Universitas Pancasila, Jakarta (Indonesia). Fakultas Farmasi); Darmono. Jurnal Bahan Alam Indonesia (Indonesia). ISSN 1412-2855 (2006) v. 6(1) p. 33-36 1 ill., 1 table; 12 ref.

LEUCAENA LEUCOCEPHALA;
TOXICITY; MICE; PREGNANCY;
LABORATORY ANIMALS; EXTRACTS;
METHANOL; SEEDS.

L72 PESTS OF ANIMALS/ HAMA PADA HEWAN

807 AHMAD, R.Z. Reduction of *Arthrobotrys oligospora* mould to *Haemonchus contortus* larvae in grass plot. Daya reduksi kapang *Arthrobotrys oligospora* terhadap larva *Haemonchus contortus* di padang gembalaan/Ahmad, R.Z.; Beriajaya (Balai Penelitian Veteriner, Bogor (Indonesia)). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 995-1000 2 ill., 1 table; 19 ref. 636:338.439/SEM/p

SHEEP; ARTHROBOTRYS;
HAEMONCHUS CONTORTUS; GRAZING
LANDS; NEMATODE INFECTION;
FAECES; LARVAE.

808 BERIAJAYA. Efficacy of pineapple leaf extract against gastrointestinal nematode infection on sheep in stasiun pembibitan domba Nanggung Bogor. Efikasi serbuk daun nanas terhadap infeksi cacing saluran pencernaan pada domba di stasiun pembibitan domba Nanggung Bogor/Beriajaya; Handiwirawan, E. (Balai Penelitian Veteriner, Bogor (Indonesia)). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 973-978 2 tables; 25 ref.

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636:338.439/SEM/p

SHEEP; NEMATODA; HELMINTHS;
ANTHELMINTICS; INFECTION; ANANAS
COMOSUS; LEAVES; PLANT EXTRACTS;
AGE; TREATMENTS; DURATION;
APPLICATION RATES.

809 BERIAJAYA. Efficacy of pineapple skin extract to control *Haemonchus contortus* on sheep. Efikasi cairan serbuk kulit buah nanas untuk pengendalian cacing *Haemonchus contortus* pada domba/Beriajaya; Manurung, J.; Haryuningtyas, D. (Balai Penelitian Veteriner, Bogor (Indonesia)). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 934-940 3 ill., 22 ref. 636:338.439/SEM/p

SHEEP; HAEMONCHUS CONTORTUS;
ANANAS COMOSUS; PEEL; DIGESTIVES
SYSTEM DISEASES; ANTHELMINTICS;
OVA; LARVAE; EGG HATCHABILITY.

810 HARYUNINGTYAS S., D. Polymerase chain reaction optimization on tubulin beta isotope-1 gene *Haemonchus contortus* worm Indonesian isolate. Optimasi polymerase chain reaction gen tubulin isotope-1 cacing *Haemonchus contortus* isolate local Indonesia/Haryuningtyas S., D. (Balai Penelitian Veteriner, Bogor (Indonesia)); Artaman, W.T.; Asmara, W. [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 963-967 2 ill., 1 table; 11 ref. 636:338.439/SEM/p

HAEMONCHUS CONTORTUS;
POLYMERIZATION; ANTHELMINTICS;
BENZIMIDAZOLES; GENES; ISOLATION
TECHNIQUES.

811 WARDHANA, A.H. Larvacidal effect of water extract from *Annona squamosa* seed against *Chrysomya bezziana* larvae. Efek larvasidal ekstrak air biji srikaya (*Annona squamosa* L) terhadap larva lalat *Chrysomya bezziana*/Wardhana, A.H.; Husein, A. (Balai Penelitian Veteriner, Bogor (Indonesia)). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 1070-1077 2 ill., 2 tables; 20 ref. 636:338.439/SEM/p

LIVESTOCK; PEST CONTROL; CHRYSOMYIA; ANNONA SQUAMOSA; MYIASIS; EXTRACTS; BOTANICAL INSECTICIDES; TOXINS; VERMICULITES; MORTALITY.

812 WARDHANA, A.H. Modification of swormlure (SL2) to improve its attractiveness to the old world screw-worm fly, *Chrysomya bezziana*. Modifikasi swormlure (SL2) untuk meningkatkan daya pikatnya terhadap lalat old world screw-worm, *Chrysomya bezziana*/Wardhana, A.H.; Sukarsih (Balai Penelitian Veteriner, Bogor (Indonesia)); Urech, R.; Green, P.E. [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 1097-1104 2 ill., 1 table; 36 ref. 636:338.439/SEM/p

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HOMINIVORAX; MYIASIS;
ATTRACTANTS; BIOASSAYS.

813 YUNINGSIH. Effectivity of *Croton tiglium* extra to golden snail (*Pomacea canaliculata*) as a botanical molluscicide in order to substitute the synthetic molluscicide. Efektivitas ekstrak biji tanaman kemalakuan (*Croton tiglium*) terhadap keong mas (*Pomacea canaliculata*) sebagai moluskisida botani dalam upaya pengganti moluskisida

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POMACEA CANALICULATA; CROTON
TIGLIUM; MOLLUSCICIDES;
METALDEHYDE; BOTANICAL
PESTICIDES; BLUMEA BALSAMIFERA;
DERRIS; EUPHORBIACEAE; SEED
EXTRACTION; CRUDE FAT;
APPLICATION RATES; MORTALITY.

L73 ANIMAL DISEASES/ PENYAKIT HEWAN

814 ADI, A.A.A.M. Pathological abnormalities of Bali ducks sampled from traditional farming system in Bali. Kelainan patologis itik Bali yang dipelihara dengan sistem peternakan tradisional di Bali/Adi, A.A.A.M.; Winaya, I B.O. (Universitas Udayana, Denpasar (Indonesia)). Fakultas Kedokteran Hewan; Utama, I. H.; Suarsana, I N.; Erawan, I G.M.K.; Apsari, I A.P.; Hayashi, Y.. Jurnal Veteriner (Indonesia). ISSN 1411-8327 (2004) v. 5(2) p. 40-46 2 ill., 1 table; 17 ref.

DUCKS; VETERINARY HYGIENE;
PATHOLOGY; ANIMAL TISSUES;
FARMING SYSTEMS; BALI.

815 ADJI, R.S. Antibody titers description of vaccination in ruminant in Bogor Regency. Gambaran titer antibodi pasca vaksinasi antraks pada ternak ruminansia di Kabupaten Bogor /Adji, R.S. (Balai Penelitian Veteriner, Bogor (Indonesia)). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 985-988 3 ill., 11 ref.

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RUMINANTS; ANTHRAX; BACILLUS ANTHRACIS; ENDEMIC; LIVE VACCINES; IMMUNOENZYME TECHNIQUES; IMMUNE RESPONSE; JAVA.

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MAMMALS; BACILLUS ANTHRACIS; ZOONOSIS; PLASMIDS; TOXINS; PROTEIN ISOLATES; ELECTROPHORESIS.

817 ARTAMA, I K. Prevalence infection of *Cryptosporidium parvum* on bali cattle in high and low land in Karangasem Regency Bali. Prevalensi infeksi *Cryptosporidium parvum* pada sapi bali di dataran rendah dan dataran tinggi di Kabupaten Karangasem Bali/Artama, I K. (Institut Pertanian Bogor (Indonesia). Fakultas Kedokteran Hewan); Cahyaningsih, U.; Sudarnika, E.[Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 926-933 1 ill., 4 tables; 31 ref.

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CATTLE; SPECIES; CRYPTOSPORIDIUM; INFECTION; LOWLAND; HIGHLANDS; MORBIDITY; PARASITES; BALI.

818 BERIAJAYA. Extract of Legundi (*Vitex trifolia* L) leaves mungsi arab (*Artemisia cina* Berg) as anthelmintic on pig. Pemberian ekstrak daun Legundi (*Vitex trifolia* L) dan mungsi arab (*Artemisia cina* Berg) sebagai antelmentika pada babi/Beriajaya; Haryuningtyas, D. (Balai Penelitian Veteriner, Bogor (Indonesia)); Siagian, P.H.; Purba, A.V..[Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 1020-1026 3 ill., 4 tables; 12 ref.

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SWINE; VITEX; NEMATODE INFECTIONS; ANTHELMINTICS; LEAVES; EXTRACTS; APPLICATION RATES; DURATION; ASCARIS SUUM; EGGS.

819 DAMAYANTI, C.S. Cross protection of *Calloselasma rhodostoma* and *Bungarus fasciatus* venom against lethal dose of *Calloselasma rhodostoma*, *Bungarus fasciatus* and *Naja naja sputatrix* antivenom. Proteksi silang antibisa ular tanah dan ular welang terhadap dosis letal bisa ular tanah, ular welang, dan ular sendok/Damayanti, C.S.; Wibawan, I W.T. (Institut Pertanian Bogor (Indonesia). Fakultas Kedokteran Hewan); Halimah, L.S. Jurnal Veteriner (Indonesia). ISSN 1411-8327 (2006) v. 7(3) p. 104-111 4 tables; 12 ref.

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CHICKENS; AVIAN INFLUENZA VIRUS; VACCINES; IMMUNIZATION;

IMMUNITY; DISEASE SURVEYS;
DISEASE CONTROL; JAVA.

821 ELESER, S. Effect of monolaurin and drug of alternative other in fighting against disease of scabies at goat. Efektivitas pemberian monolaurin dan obat alternatif lainnya dalam memberantas penyakit scabies pada kambing/Eleser, S.; Junjungan (Loka Penelitian Kambing Potong Sei Putih, Galang (Indonesia)); Manurung, J.; Suibu, T. [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 941-949 3 ill., 4 tables; 7 ref. 636:338.439/SEM/p

GOATS; SCABIES; DRUGS;
APPLICATION RATES; PLANT
EXTRACTS; SIDE EFFECT; DISEASE
CONTROL.

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SWINE; CATTLE; TAENIA SAGINATA;
TAENIA SOLIUM; CYSTICERCOSIS;
IMMUNOENZYME TECHNIQUES;
ANTIGENS.

823 MARTINDAH, E. Application of participative approaches to enhance adoption of fasciolosis control strategies in cattle. Aplikasi pendekatan partisipatif untuk meningkatkan adopsi pengendalian fasciolosis secara strategis pada sapi/Martindah, E.; Suhardono (Balai Penelitian Veteriner, Bogor

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CATTLE; FASCIOLASIS; DISEASE
CONTROL; TECHNOLOGY TRANSFER;
EXTENSION ACTIVITIES; RAPID RURAL
APPRAISAL; DIFFUSION OF
INFORMATION.

824 MUHARSINI, S. In vitro trial of local isolates of *Bacillus thuringiensis* which contain cry gene against *Chrysomya bezziana*. Uji efikasi isolat lokal *Bacillus thuringiensis* yang mempunyai gen cry terhadap lalat *Chrysomya bezziana* secara in vitro / Muharsini, S.; Wardhana, A.H. (Balai Penelitian Veteriner, Bogor (Indonesia)). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 1131-1136 1 table; 21 ref. 636:338.439/SEM/p

BACILLUS THURINGIENSIS; IN VITRO
EXPERIMENTATION; BIOLOGICAL
CONTROL; CHRYSOMYA BEZZIANA;
BACTERIAL TOXINS; ISOLATES.

825 NATALIA, L. Utilization of probiotics for controlling clostridial necrotic enteritis in broiler chickens. Penggunaan probiotik untuk pengendalian clostridial necrotic enteritis pada ayam pedaging/Natalia, L.; Priadi, A. (Balai Penelitian Veteriner, Bogor (Indonesia)). Jurnal Ilmu Ternak dan Veteriner (Indonesia). ISSN 0853-7380 (2005) V. 10(1) p. 71-78 2 ill., 4 tables; 36 ref.

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VACCINES; CLOSTRIDIUM
PERFRINGENS; PATHOLOGY; BODY
WEIGHT.

826 PARYATI, S.P.Y. Chicken immunoglobulin as the anti-idiotypic antibody against rabies. Immunoglobulin ayam sebagai antibodi anti-idiotipic terhadap rabies/Paryati, S.P.Y. (Akademi Medis Veteriner Puragabaya Bandung (Indonesia)); Wibawan, I W.T.; Soejoedono, R.D.; Pasaribu, F.H. Jurnal Veteriner (Indonesia). ISSN 1411-8327 (2006) v. 7(3) p. 92-103 1 ill., 1 table; 29 ref.

CHICKENS; VETERINARY HYGIENE; ANIMAL DISEASES; RABIES; IMMUNOGLOBULINS; ANTIBODIES.

827 POELOENGAN, M. Efficacy of *Piper betle* Linn toward subclinical mastitis. Efektivitas ekstrak daun sirih (*Piper betle* Linn) terhadap mastitis subklini/Poeloengan, M.; Susan M.N.; Andriani (Balai Penelitian Veteriner, Bogor (Indonesia)). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 1015-1019 2 tables; 13 ref.

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DAIRY CATTLE; MASTITIS; STREPTOCOCCUS AGALACTIAE; PIPER BETLE; BACTERICIDES; EXTRACTS; LEAVES; IN VITRO EXPERIMENTATION; IN VIVO EXPERIMENTATION.

828 SETIYONO, A. Review on zoonosis of Q fever. Q fever ditinjau dari aspek zoonosis/Setiyono, A. (Institut Pertanian Bogor (Indonesia). Fakultas Kedokteran Hewan). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 1112-1116 26 ref.

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LIVESTOCK; Q FEVER; COXIELLA BURNETII; ZONOSIS; SYMPTOMS.

829 SOEJOEDONO, R.D. Immune response of chickens vaccinated with active Gumboro vaccine and its protection rate against field isolates. Respon kekebalan ayam yang divaksin dengan vaksin Gumboro aktif dan daya proteksinya terhadap virus Gumboro isolat lapang/Soejoedono, R.D. (Institut Pertanian Bogor (Indonesia). Fakultas Kedokteran). Jurnal Veteriner (Indonesia). ISSN 1411-8327 (2004) v. 5(2) p. 47-53 4 tables; 10 ref.

BROILER CHICKENS; IMMUNITY; VACCINATION; GUMBORO DISEASE; BODY WEIGHT; ANTIBODIES.

830 SOERIPTO. Seroprevalence of Enzootic pneumoniae of pigs in Indonesia. Seroprevalensi swine Enzootic pneumonia pada babi di Indonesia/Soeripto (Balai Penelitian Veteriner, Bogor (Indonesia)); Soejoedono, R.D.; Murtini, S. [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 950-955 2 ill., 18 ref.

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SWINE; MYCOPLASMA; ENDEMIC; SEROLOGICAL TECHNIQUES; VACCINATION; INDONESIA.

831 SUBEKTI, D.T. Leukocytopenia on mice following high and low infection doses of *Toxoplasma gondii*. Leukositopenia pada mencit setelah diinfeksi *Toxoplasma gondii* dengan dosis tinggi dan dosis rendah/Subekti, D.T.; Iskandar, T. (Balai Penelitian Veteriner, Bogor (Indonesia)); Sari, E.S.P.; Ratih L.,D.; Haerlani, R.; Diani, E.F.; Widyastuti, D.R.. Jurnal Biologi Indonesia. ISSN 0854-4425 (2005) v. 3(10) p. 421-431 3 ill., 18 ref.

MICE; LEUKOCYTES; TOXOPLASMA GONDII; EXPERIMENTAL INFECTION; PARASITOSIS; DIMENSIONS.

832 SUHARDONO. Control of scabies in goats in the District of Deli Serdang. Pengendalian penyakit kudis pada kambing di Kabupaten Deli Serdang /Suhardono; Manurung, J. (Balai Penelitian Veteriner,

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GOATS; SCABIES; DISEASE CONTROL; OILS; ENGINES; SULPHUR; TECHNOLOGY TRANSFER; SUMATRA.

833 SUHARSONO, H. Relation infection of *Helicobacter pylori* Cag A+ with make up of leucocyte, fibrinogen, change count type leucocyte and also change of inflamotoric at aorta of mencit (*Mus musculus*) Balb/C.. Hubungan infeksi *Helicobacter pylori* Cag A+ dengan peningkatan leukosit, fibrinogen, perubahan hitung jenis leukosit serta perubahan inflamotorik pada aorta mencit (*Mus musculus*) Balb/C/Suharsono, H. (Universitas Udayana, Denpasar (Indonesia). Fakultas Kedokteran Hewan). Jurnal Veteriner (Indonesia). ISSN 1411-8327 (2006) v. 7(3) p. 112-118 15 ref.

MICE; LABORATORY ANIMALS; ANIMAL DISEASES; HELICOBACTER PYLORI; BLOOD; INFLAMMATION.

834 SUSETYA, H. Genetic analysis of glycoprotein gene of Indonesian rabies isolate. Analisis genetik gen penyandi glikoprotein dari virus rabies isolat Indonesia/Susetya, H. (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Kedokteran Hewan) .[Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 1137-1142 2 ill., 10 ref.
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RABIES; GLYCOPROTEINS; AMINO ACIDS; ISOLATES; VIRUSES;

PHYLOGENY; NUCLEOTIDE SEQUENCE; INDONESIA.

835 WAHYUWARDANI, S. Imunosuppressive effect of local reovirus isolate infection in broiler chicken. Efek imunosupresif infeksi reovirus isolat lokal pada ayam pedaging/Wahyuwardani, S.; Huminto, H.; Parede, L. (Balai Penelitian Veteriner, Bogor (Indonesia)).[Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 1049-1055 6 tables; 11 ref.
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BROILER CHICKENS; IMMUNOSUPPRESSION; REOVIRIDAE; ISOLATION TECHNIQUES.

836 WARDHANA, A.H. Myiasis cases caused by *Chrysomya bezziana* in Java Island. Kasus myiasis yang disebabkan oleh *Chrysomya bezziana* di pulau Jawa/Wardhana, A.H.; Muharsini, S. (Balai Penelitian Veteriner, Bogor (Indonesia)).[Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 1078-1084 2 ill., 3 tables; 12 ref.
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LIVESTOCK; CHRYSOMYA; LARVAE; MYIASIS; IDENTIFICATION; DATA ANALYSIS; JAVA.

837 WINARNO, M.W. [Antimalaria effect of papaya gantung (*Carica papaya*) leaves extracts on rats with Plasmodium berghei infection]. Efek antimalaria ekstrak daun pepaya gantung (*Carica papaya* L.) pada tikus terinfeksi Plasmodium berghei/Winarno, M.W. (Pusat Penelitian dan Pengembangan Farmasi dan Obat Tradisional, Jakarta (Indonesia)); Hargono, D.; Murdiani S., L.

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RATS; LABORATORY ANIMALS;
CARICA PAPAYA; LEAVES; EXTRACTS;
TRADITIONAL MEDICINES; MALARIA.

**M01 FISHERIES AND AQUACULTURE
-GENERAL ASPECTS / PERIKAN-
AN DAN AKUAKULTUR-ASPEK
UMUM**

838 DJAMALI, A. [Coral and coral fish
resources in Selat Nask, Belitung reGENCY
Bangka-Belitung Province]. Sumberdaya
karang dan ikan karang di perairan Selat Nasik
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ORNAMENTAL FISHES; BIODIVERSITY;
CORAL REEFS; HABITATS; DOMINANT
SPECIES; STOCKING DENSITY; MARINE
AREAS; SUMATRA.

839 DJAMALI, A. [Coral fish resources in
North and Central Bangka Waters, Bangka-
Belitung Province]. Sumberdaya ikan karang
di perairan Bangka Utara dan Bangka Tengah
Propinsi Bangka-Belitung/Djamali, A.;
Sumadhiharga, O.K.; Siringoringo, R. (Pusat
Penelitian Oseanografi, Jakarta (Indonesia));
Badrudin.[Proceedings of the annually
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3 ill., 4 tables; 8 ref.
639.2.052.3/SEM/p

ORNAMENTAL FISHES; FISHES;
BIODIVERSITY; CORAL REEFS;
DOMINANT SPECIES; HABITATS;
STOCKING DENSITY; INDICATOR
ORGANISMS; ENVIRONMENTAL
FACTORS; SUMATRA.

**M11 FISHERIES PRODUCTION /
PRODUKSI PERIKANAN**

840 KARTIKASARI, A.T. [Monitoring of
Dinoflagellata abundance as harmful algae
bloom in Hurun bay waters]. Pemantauan
kelimpahan Dinoflagellata sebagai harmful
alga bloom di perairan Teluk Hurun (1998-
2004)/Kartikasari, A.T.; Muawanah; Sari, N.;
Hendrianto (Balai Budidaya Laut Lampung,
Bandar Lampung (Indonesia)).[Proceedings of
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marine research results during 2005].
Prosiding seminar nasional tahunan hasil
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Yusuf B.L., L.; Saksono, H.; Budi S., P.;
Setyobudi, E.; Ari B., S.; Soeparno; Husni, A.;
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tables; 5 ref
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GYMNODIUM; DINOPHYSIS;
MASTIGOPHORA; PLANKTON BLOOMS;
DOMINANT SPECIES; PHYTOTOXINS;
IDENTIFICATION; SEASONS; INJURIOUS
FACTORS; SUMATRA.

841 SUNARDI. Growth trajectory of a small
planktivorous fish (*Pseudorasbora parva*:
Cyprinidae) living under predation risk in
running water. Arah pertumbuhan ikan
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Matematika dan Ilmu Pengetahuan Alam).
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RIVER FISHERIES; HABITATS; INLAND
WATER ENVIRONMENT; PREDATION;
GROWTH; PHENOTYPES; ADAPTATION.

**M12 AQUACULTURE PRODUCTION /
PRODUKSI AKUAKULTUR**

842 SUHENDRATA, T. Optimizing the used of irrigation rice field through intercropping of rice and giant freshwater prawn. Optimalisasi pemanfaatan lahan sawah irigasi melalui usahatani padi-udang galah GI macro sistem tumpangsari/Suhendrata, T.; Kushartanti, E.; Paryono, T.J. (Balai Pengkajian Teknologi Pertanian Jawa Tengah, Ungaran (Indonesia)). [Proceedings of national seminar on the science and technology]. Prosiding seminar nasional: Iptek solusi kemnadirian bangsa/Mudjisihono, R.; Udin, L.Z.; Moeljopawiro, S.; Sorgandhi, T.M.S.; Kusnowo, A.; Karossi, A.T.A.; Masyudi, M.F.; Sudihardjo, A.M.; Musofie, A.; Wardhani, N.K.; Sembiring, L.; Hartanto (eds.) Lembaga Ilmu Pengetahuan Indonesia, Jakarta (Indonesia). Yogyakarta: BPTP Yogyakarta, 2006: p. 307-312 3 tables; 14 ref.
631.145/.152/SEM/p

MACROBRACHIUM ROSENBERGII;
ORYZA SATIVA; AGROPISCICULTURE;
INTERCROPPING; VARIETIES;
INNOVATION; GROWTH RATE;
SURVIVAL; LAND PRODUCTIVITY;
FARM INCOME; IRRIGATED LAND.

843 SYAMDIDI. [Freshwater lobster: new prospect of consumed life fish in Indonesia]. Lobster air tawar: prospek baru ikan hidup konsumsi di Indonesia/Syamdi, Wibowo, S.; Hastarini, E. (Pusat Riset Pengolahan Produk dan Sosial Ekonomi Kelautan dan Perikanan, Jakarta (Indonesia)). [Proceedings of the annually national seminar on fisheries and marine research results during 2005]. Prosiding seminar nasional tahunan hasil penelitian perikanan dan kelautan tahun 2005/Isnansetyo, A.; Murwantoko; Djumanto; Yusuf B.L., L.; Saksono, H.; Budi S., P.; Setyobudi, E.; Ari B., S.; Soeparno; Husni, A.; Ekantari, N. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian. Yogyakarta: UGM, 2005: (pt.2) p. 265-270 5 ref.
639.2.052.3/SEM/p

PROCAMBARUS; CHERAX; FRESH-
WATER CRUSTACEANS; CRUSTACEAN
CULTURE; ORNAMENTAL FISHES; FISH
FARMS; EXPORTS; DEMAND;
DOMESTIC CONSUMPTION; FISHING
METHODS; TRANSPORT; INDONESIA.

844 WIJAYA, D. [Structure of macrozoobenthos communities which are associated with "lamun" in sandy coastal in Jepara]. Struktur komunitas makrozoobentos yang berasosiasi dengan Lamun pada pantai berpasir di Jepara/Wijaya, D. (Balai Riset Perikanan Perairan Umum, Palembang (Indonesia)). [Proceedings of the annually national seminar on fisheries and marine research results during 2005]. Prosiding seminar nasional tahunan hasil penelitian perikanan dan kelautan tahun 2005/Isnansetyo, A.; Murwantoko; Djumanto; Yusuf B.L., L.; Saksono, H.; Budi S., P.; Setyobudi, E.; Ari B., S.; Soeparno; Husni, A.; Ekantari, N. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian. Yogyakarta: UGM, 2005: (pt.2) p. 210-218 4 ill., 2 tables; 15 ref.
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ANNELIDA; MOLLUSCA; CRUSTACEA;
BENTHOS; DENSITY; BIOCOENOSIS;
BIODIVERSITY; HABITATS; SEAGRASS;
NURSERY GROUNDS; COASTAL
WATERS; JAVA.

**N10 AGRICULTURAL STRUCTURES/
SARANA PERTANIAN**

845 PARAMAWATI, R. Design and testing of screw-horizontal type fruit juicer. Rekayasa dan pengujian mesin pemerasa buah-buahan tipe ulir-horisontal/Paramawati, R.; Mardison (Balai Besar Pengembangan Mekanisasi Pertanian, Serpong, Tangerang (Indonesia)). Jurnal Enjiniring Pertanian (Indonesia). ISSN 1693-2900 (2005) v. 3(1) p. 33-40 4 ill., 2 ref

FRUIT JUICES; POSTHARVEST
EQUIPMENT; MANGOSTEEN;
TROPICAL FRUITS; DESIGN; TESTING.

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

846 BASKORO, M.S. [Trial test of small bottom set net in Sebesi Island Waters, Lampung bay]. Uji coba small bottom set net di perairan Pulau Sebesi Teluk Lampung/Baskoro, M.S.; Wahyu, R.I.; Zulkarnain (Institut Pertanian Bogor (Indonesia). Fakultas Perikanan dan Ilmu Kelautan). [Proceedings of the annually national seminar on fisheries and marine research results during 2005]. Prosiding seminar nasional tahunan hasil penelitian perikanan dan kelautan tahun

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639.2.052.3/SEM/p

FISHING NETS; TRAP FISHING; DESIGN; FISHING OPERATIONS; FISHING GROUNDS; CATCH COMPOSITION; DOMINANT SPECIES; CORAL REEFS; ISLANDS; SUMATRA.

847 HARSONO. Design of planning modeling for maize processing unit. Rekayasa model perencanaan unit prosesing jagung/Harsono; Triwahyudi, S.; Gultom, R.Y.; Supriyanto (Balai Besar Pengembangan Mekanisasi Pertanian, Serpong, Tangerang (Indonesia)); Marhaen, B. Jurnal Enjiniring Pertanian (Indonesia). ISSN 1693-2900 (2005) v. 3(1) p. 13-18 5 ill., 8 ref

MAIZE; POSTHARVEST EQUIPMENT; PROCESSING; DESIGN; PLANNING; MODELS.

848 MANFAAT, D. [Determination of effective composition for multi-purpose fishing vessel application]. Penentuan komposisi efektif penggunaan alat tangkap kapal ikan multi-purpose/Manfaat, D.; Hakim, A.R. (Institut Teknologi Surabaya (Indonesia). Fakultas Teknologi Kelautan).[Proceedings of the annually national seminar on fisheries and marine research results during 2005]. Prosiding seminar nasional tahunan hasil penelitian perikanan dan kelautan tahun 2005/Isnansetyo, A.; Murwantoko; Djumanto; Yusuf B.L., L.; Saksono, H.; Budi S., P.; Setyobudi, E.; Ari B., S.; Soeparno; Husni, A.; Ekantari, N. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian. Yogyakarta: UGM, 2005: (pt.2) p. 237-249 1 ill., 8 tables; 16 ref.
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FISHING VESSELS; MULTIPURPOSE EQUIPMENT; SEINING; LINE FISHING; TRAWLING; DESIGN; CATCH COMPOSITION; YIELDS.

849 UTAMA, I K.A.P. [Study on design and production management of fishing vessels with round and china symbol forms]. Kajian

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639.2.052.3/SEM/p

FISHING VESSELS; DESIGN; SHIPBUILDING; EQUIPMENT PERFORMANCE; CONSTRUCTION MATERIALS; WOOD; ROUNDWOOD; PRODUCTION COSTS.

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

850 WIDIANTO. [Forest land conversions to coffee monocropping systems]. Alih guna lahan hutan menjadi lahan pertanian: apakah fungsi hidrologi hutan dapat digantikan sistem kopi monokultur/Widianto; Suprayogo, D. (Universitas Brawijaya, Malang (Indonesia). Fakultas Pertanian); Noveras, H.; Widodo, R.H.; Purnomosidhi, P.; Van Noordwijk, M.. Agrivita (Indonesia). ISSN 0126-0537 (2004) v. 26(1) p. 47-52 3 ill; 1 table; 5 ref.

FOREST LAND; COFFEA; MONOCULTURE; LANDSCAPE; LAND USE; AGRICULTURAL DEVELOPMENT; SOIL DETERIORATION; EROSION; INFILTRATION.

P10 WATER RESOURCES AND MANAGEMENT/ PENGELOLAAN DAN SUMBER DAYA AIR

851 BASMAL, J. [Study on Polyaluminium chloride (PAC) addition in liquid waste coagulation process on Alkali Treated Carrageenan (ATC) production]. Studi penambahan Polyaluminium chloride (PAC) dalam proses koagulasi limbah cair pada produksi Alkali Teated Carrageenan (ATC)/Basmal, J.; Berlyanto, B.; Nugroho

N.,T.; Fithriani, D. (Pusat Riset Pengolahan Produk dan Sosial Ekonomi Kelautan dan Perikanan, Jakarta (Indonesia)). [Proceedings of the annually national seminar on fisheries and marine research results during 2005]. Prosiding seminar nasional tahunan hasil penelitian perikanan dan kelautan tahun 2005/Isnansetyo, A.; Murwantoko; Djumanto; Yusuf B.L., L.; Saksono, H.; Budi S., P.; Setyobudi, E.; Ari B., S.; Soeparno; Husni, A.; Ekantari, N. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian. Yogyakarta: UGM, 2005: (pt.3) p. 1-8 6 ill., 6 ref.

639.2.052.3/SEM/p

CARRAGEENANS; EUCHEUMA; ALKALI TREATMENT; COAGULATION; LIQUID WASTES; ANTICOAGULANTS; ZEOLITES; PURIFICATION; POLLUTANT LOAD.

852 PRASETYO, D. [Chemicophysical and biological properties of Sambujur river, Hulu Sungai Utara Regency, South Kalimantan]. Fisika kimia dan biologi perairan sungai Sambujur Kabupaten Hulu Sungai Utara Kalimantan Selatan/Prasetyo, D. (Balai Riset Perikanan Perairan Umum, Palembang (Indonesia)). [Proceedings of the annually national seminar on fisheries and marine research results during 2005]. Prosiding seminar nasional tahunan hasil penelitian perikanan dan kelautan tahun 2005/Isnansetyo, A.; Murwantoko; Djumanto; Yusuf B.L., L.; Saksono, H.; Budi S., P.; Setyobudi, E.; Ari B., S.; Soeparno; Husni, A.; Ekantari, N. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian. Yogyakarta: UGM, 2005: (pt.2) p. 203-209 3 tables, 9 ref.

639.2.052.3/SEM/p

CHLOROPHYCEAE; BACILLARIO-PHYCEAE; CYANOBACTERIA; MACROBRACHIUM; ROTIFERA; CYCLOPS; INSECTA; DOMINANT SPECIES; RIVERS; CHEMICOPHYSICAL PROPERTIES; KALIMANTAN.

853 SITOMPUL, S.M. [Evaluation and parameterization of hydrological model on Brantas watershed : water absorption system of pinus (*Pinus mercurii* L.) and agroforestry with soybean and maize]. Evaluasi dan parameterisasi model hidrologi pada DAS Brantas resapan air sistem pinus (*Pinus mercurii* L.) dan agroforestri pinus dengan

kedelai atau jagung/Sitompul, S.M.; Tyasmoro, S.Y. (Universitas Brawijaya, Malang (Indonesia). Fakultas Pertanian); Lestari, J.W.. Agrivita (Indonesia). ISSN 0126-0537 (2005) v. 27(3) p. 213-233 12 ill., 6 tables; 14 ref.

PINUS MERKUSII; GLYCINE MAX; ZEA MAYS; AGROFORESTRY; HYDROLOGY; RUNOFF; WATERSHEDS; ABSORPTION; JAVA.

P33 SOIL CHEMISTRY AND PHYSICS/ KIMIA DAN FISIKA TANAH

854 BAON, J.B. [Management of soil acidity]. Ketahuilah tingkat kemasaman tanah anda/Baon, J.B. (Pusat Penelitian Kopi dan Kakao, Jember (Indonesia)). Warta Pusat Penelitian Kopi dan Kakao Indonesia (Indonesia). ISSN 0215-1308 (2004) v. 20(1) p. 36-39 1 ill.

CROPS; SOIL PH; GROWTH; LIMING.

855 DAROTIN. Analysis of some soil chemical and physical properties based on different land degradation in Jembayan Village (Kalimantan). Analisis beberapa sifat fisik dan kimia tanah berdasarkan kriteria degradasi lahan di Desa Jembayan/Darotin; Ansyahari; Arham (Universitas Mulawarman, Samarinda (Indonesia). Fakultas Pertanian). Jurnal Budidaya Pertanian (Indonesia). ISSN 1829-572X (2006) v. 12(2) p. 133-139 7 tables; 7 ref.

KALIMANTAN; SOIL CHEMICO-PHYSICAL PROPERTIES; CLIMATE; ENVIRONMENTAL DEGRADATION.

856 FIRDAUS. Aluminium dynamics in the rhizosphere of maize were affected by application of phosphate rock in tropical acid soils/Firdaus (Universitas Riau, Pekanbaru (Indonesia). Fakultas Keguruan dan Ilmu Pendidikan); Calba, H.; Cazevielle, P.; Jaillard, B.. Jurnal Natur Indonesia. ISSN 1410-9379 (2005) v. 8(1) p. 27-35 7 ill., 29 ref.

ZEA MAYS; RHIZOSPHERE; ACID SOILS; ALUMINIUM; ROCK PHOSPHATE; TOXICITY; SOIL CHEMICOPHYSICAL PROPERTIES.

857 JOY, B. Difference of response and relationship of pH, exchangeable Al, and available P of Typic Kanhapludults due to phosphate rock, calcite, and dolomite application. Perbedaan respons dan keterkaitan pH, Al-dd, serta P-tersedia dari Typic Kanhapludults akibat aplikasi P-alam, kalsit, dan dolomit/Joy, B. (Universitas Padjadjaran, Jatinangor - Sumedang (Indonesia). Fakultas Pertanian). Bionatura (Indonesia). ISSN 1411-0903 (2005) v. 7(3) p. 249-258 2 ill., 3 tables; 12 ref.

SOIL TYPES; ROCK PHOSPHATE; PH; DOLOMITE; CALCITE; SOIL CHEMICOPHYSICAL PROPERTIES.

858 WINARTI, S. [Concentration of N, P and land equivalence ratio at agroforestry system of upland rice sengon gave the organic and phosphate fertilizers at ultisols]. Konsentrasi N, P dan nisbah kesetaraan lahan sistem agroforestry padi-sengon akibat residu pupuk organik dan fosfat pada ultisols/Winarti, S. (Universitas Palangkaraya (Indonesia). Fakultas Pertanian). Agrivita (Indonesia). ISSN 0126-0537 (2005) v. 27(3) p. 248-258 3 ill., 4 tables; 21 ref.

AGROFORESTRY; ORYZA SATIVA; PARASERIANTHES FALCATARIA; RESIDUES; ORGANIC MATTER; ORGANIC FERTILIZERS; PHOSPHATE FERTILIZERS; NITROGEN FERTILIZERS; ACRISOLS.

P34 SOIL BIOLOGY/BIOLOGI TANAH

859 ANWARUDIN SYAH, M.J. Storage of arbuscular mycorrhiza fungi in capsul to maintain its multiplication and infectivity. Penyimpanan kapsul cendawan mikoriza arbuskula untuk mempertahankan daya multiplikasi dan infektivitas/Anwarudin Syah, M.J.; Jumjunidang; Herizal, Y. (Balai Penelitian Tanaman Buah Tropika, Solok (Indonesia)). Jurnal Hortikultura (Indonesia). ISSN 0853-7097 (2006) v. 16(2) p. 129-133 2 tables; 9 ref.

PUERARIA PHASEOLOIDES; VESICULAR ARBUSCULAR MYCORRHIZAE; SPORES; STORAGE; DURATION; INOCULATION; ROOTS.

860 MERYANDINI, A. Characterization of Xylanase Streptomyces spp. SKK1-8

/Meryandini, A. (Institut Pertanian Bogor (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam); Hendarwin, T.; Saprudin, D.; Lestari, Y.. Hayati (Indonesia). ISSN 0854-8587 (2006) v. 13(4) p. 151-155 7 ill., 35 ref.

STREPTOMYCES; XYLANS; HEMI-CELLULOSE; ENZYME ACTIVITY; SOIL BIOLOGY.

861 SIMARMATA, T. Roots infection, P-uptake, number of effective nodule, and grain yield of two peanut cultivars (*Arachis hypogaea* L.) as affected by the inoculation of arbuscular mycorrhizal fungi (*Glomus fasciculatum* and *Gigaspora margarita*) on inceptisols in Jatinangor. Derajat infeksi, serapan P, jumlah bintil dan hasil dua kultivar kacang tanah (*Arachis hypogaea* L.) yang diberi inokulan cendawan mikoriza arbuskula (*Glomus fasciculatum* dan *Gigaspora margarita*) pada inceptisols di Jatinangor/Simarmata, T. (Universitas Padjadjaran, Jatinangor - Sumedang (Indonesia)); Tachro . Bionatura (Indonesia). ISSN 1411-0903 (2005) v. 7(2) p. 137-145 3 tables; 11 ref.

ARACHIS HYPOGAEA; VARIETIES; GLOMUS FASCICULATUM; GIGASPOA MARGARITA; PHOSPHORUS; NUTRIENT UPTAKE; ROOTS; INFECTION; YIELDS.

P35 SOIL FERTILITY / KESUBURAN TANAH

862 PUJIYANTO. [Soil degradation and sustainability of coffea and cacao plantations]. Degradasi tanah dan keberlanjutan perkebunan kopi dan kakao/Pujiyanto (Pusat Penelitian Kopi dan Kakao, Jember (Indonesia)). Warta Pusat Penelitian Kopi dan Kakao Indonesia (Indonesia). ISSN 0215-1308 (2004) v. 20(1) p. 21-35 2 ill., 1 table; 18 ref.

COFFEA; THEOBROMA CACAO; SOIL DEGRADATION; PLANTATIONS; EROSION CONTROL.

863 RIYANTO, D. [Assessment of soil fertility factors in rice productivity in rice production centre in Temon, Panjatan and Sentolo, Kulonprogo Regency]. Kajian hubungan antara berbagai faktor kesuburan tanah dan produktivitas tanaman padi di sentra produksi padi Wilayah Kecamatan Temon,

Panjatan dan Sentolo, Kabupaten Kulonprogo/Riyanto, D.; Sudihardjo, A.M.; Suhardjo, M. (Balai Pengkajian Teknologi Pertanian Yogyakarta (Indonesia)). [Proceedings of national seminar on the science and technology]. Prosiding seminar nasional: Iptek solusi kemandirian bangsa /Mudjisihono, R.; Udin, L.Z.; Moeljopawiro, S.; Soegandhi, T.M.S.; Kusnowo, A.; Karossi, A.T.A.; Masyudi, M.F.; Sudihardjo, A.M.; Musofie, A.; Wardhani, N.K.; Sembiring, L.; Hartanto (eds.) Lembaga Ilmu Pengetahuan Indonesia, Jakarta (Indonesia). Yogyakarta : BPTP Yogyakarta, 2006: p. 381-387 1 ill., 3 tables; 9 ref. 631.145/.152/SEM/p

ORYZA SATIVA; SOIL FERTILITY; SOIL CHEMICOPHYSICAL PROPERTIES; NUTRIENT AVAILABILITY; LAND PRODUCTIVITY; SOIL SURVEYS; SOIL ORGANIC MATTER; PRODUCTION; JAVA.

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

864 DARIAH, A. [Erosion and run off level on coffea based farming system in Sumberjaya, West Lampung]. Erosi dan aliran permukaan pada lahan pertanian berbasis tanaman kopi di Sumberjaya, Lampung Barat/Dariah, A.; Agus, F.; Maswar (Balai Penelitian Tanah, Bogor (Indonesia)); Arsad, S.; Sudarsono. Agrivita (Indonesia). ISSN 0126-0537 (2004) v. 26(1) p. 52-60 3 ill; 5 tables; 16 ref. Summaries (En, In)

COFFEA; EROSION; RUNOFF; LANDSCAPE CONSERVATION; SOIL CHEMICOPHYSICAL PROPERTIES; FARMING SYSTEMS; SUMATRA.

865 SUHARDJO, M. [Rice yield rehabilitation in relation rice productivity on Sendang Arum Village, Minggir Subdistrict, Sleman District of Yogyakarta]. Rehabilitasi lahan sawah dalam upaya peningkatan produktivitas tanaman padi di Desa Sendang Arum, Kecamatan Minggir, Kabupaten Sleman Daerah Istimewa Yogyakarta/Suhardjo, M.; Riyanto, D.; Sudihardjo (Balai Pengkajian Teknologi Pertanian Yogyakarta (Indonesia)). [Proceedings of national seminar on the science and technology]. Prosiding seminar nasional: Iptek solusi kemandirian

bangsa /Mudjisihono, R.; Udin, L.Z.; Moeljopawiro, S.; Soegandhi, T.M.S.; Kusnowo, A.; Karossi, A.T.A.; Masyudi, M.F.; Sudihardjo, A.M.; Musofie, A.; Wardhani, N.K.; Sembiring, L.; Hartanto (eds.) Lembaga Ilmu Pengetahuan Indonesia, Jakarta (Indonesia). Yogyakarta : BPTP Yogyakarta, 2006: p. 421-425 3 tables; 6 ref. 631.145/.152/SEM/p

ORYZA SATIVA; RECLAMATION; IRRIGATED LAND; SOIL IMPROVEMENT; ZEOLITES; ORGANIC FERTILIZERS; SOIL CHEMICOPHYSICAL PROPERTIES; YIELD INCREASES; JAVA.

Q02 FOOD PROCESSING AND PRESERVATION / PENGOLAHAN DAN PENGAWETAN PANGAN

866 BARLINA, R. Effect of fresh coconut husk on the quality of *Arenga pinnata* toddy and palm wine. Pengaruh sabut kelapa terhadap kualitas nira aren dan palm wine/Barlina, R.; Karouw, S.; Pasang, P. (Balai Penelitian Tanaman Kelapa dan Palma Lain, Manado (Indonesia)). Jurnal Penelitian Tanaman Industri (Indonesia). ISSN 0853-8212 (2006) v. 12(4) p. 166-171 5 ill., 23 ref.

SUGAR; SUGAR PALMS; WINES; CARYOTA URENS; HUSKS; COCONUTS; PROCESSING; PROCESSED PLANT PRODUCTS; POSTHARVEST TECHNOLOGY; TAPPING.

867 DANANJAYA, Y.B.J. [Surimi characteristic processed from beloso, swaggi, gulawah and scout mixture and processed from beloso, kurisi, gulamah and pisang-pisang mixture]. Karakteristik surimi berbahan baku campuran beloso, swaggi, gulamah dan kakap kuniran serta campuran beloso, kurisi, gulamah dan pisang-pisang/Dananjaya, Y.B.J.; Wisnuwardhani, Z.; Lelana, I.Y.B.; Ekantari, N. (Universitas Gadjah Mada, Yogyakarta (Indonesia)). [Proceedings of the annually national seminar on fisheries and marine research results during 2005]. Prosiding seminar nasional tahunan hasil penelitian perikanan dan kelautan tahun 2005/Isnansetyo, A.; Murwantoko; Djumanto; Yusuf B.L., L.; Saksono, H.; Budi S., P.; Setyobudi, E.; Ari B., S.; Soeparno; Husni, A.; Ekantari, N. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian.

Yogyakarta: UGM, 2005: (pt.3) p. 46-53 5 tables; 7 ref.
639.2.052.3/SEM/p

SURIMI; FISH PROCESSING; RAW MATERIALS; MIXING; INGREDIENTS; PROXIMATE COMPOSITION; COLLOIDS; COLLOIDAL PROPERTIES; ORGANOLEPTIC PROPERTIES.

868 HUSNI, A. [Surimi characteristic processed from manyung and shark fish]. Karakteristik surimi dari ikan manyung dan cucut/Husni, A.; Lelana, I.Y.B. (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian).[Proceedings of the annually national seminar on fisheries and marine research results during 2005]. Prosiding seminar nasional tahunan hasil penelitian perikanan dan kelautan tahun 2005/Isnansetyo, A.; Murwantoko; Djumanto; Yusuf B.L., L.; Saksono, H.; Budi S., P.; Setyobudi, E.; Ari B., S.; Soeparno; Husni, A.; Ekantari, N. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian. Yogyakarta: UGM, 2005: (pt.3) p. 38-45 3 ill., 6 tables; 13 ref.
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ARIUS; SHARKS; FISH PROCESSING; FISH FILLETS; SURIMI; WASHING; HEAT; COLLOIDS; PROXIMATE COMPOSITION; ORGANOLEPTIC PROPERTIES.

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OREOCHROMIS; FISH FILLETS; FROZEN STORAGE; WEIGHT LOSSES; SOAKING; DURATION; POLYPHOSPHATES; MOISTURE CONTENT; JUICINESS.

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CHOCOLATE; FOODS; FOOD TECHNOLOGY; HEALTH.

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872 RICHANA, N. Physicochemical characteristic of flour and starch from *Canna*, *Amorphophallus* and *Dioscorea*. Karakterisasi sifat fisikokimia tepung umbi dan tepung pati dari umbi ganyong, suweg, ubikelapa dan gembili/Richana, N. (Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian, Bogor (Indonesia)); Sunarti, T.C. Jurnal Penelitian Pascapanen Pertanian (Indonesia). ISSN 0216-1192 (2004) v. 1(1) p. 29-32 5 ill; 4 tables. 33 ref.

CANNA EDULIS; AMORPHOPHALLUS CAMPANULATUS; DIOSCOREA ALATA; DIOSCOREA ESCULENTA; TUBERS; FLOURS; STARCH; CHEMICO-PHYSICAL PROPERTIES; FOOD TECHNOLOGY; PROCESSING.

873 SOEMITRO, S. Effect of selective chemical modification on the stability of *Saccharomyces fibuligera* alpha amylase.

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YARROWIA; AMYLASES; CHEMICAL COMPOSITION.

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EUCHEUMA; CANDYING;
JELLIFICATION; PECTINS;
STABILIZERS; SUCROSE; CITRIC ACID;
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COMPOSITION; TEXTURE;
ORGANOLEPTIC PROPERTIES.

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KEFIR; STARTER CULTURES;
BACTERIA; YEASTS; CULTURED MILK;
CHEMICOPHYSICAL PROPERTIES;
ORGANOLEPTIC ANALYSIS; FOOD
TECHNOLOGY.

Q03 FOOD CONTAMINATION AND TOXICOLOGY/KONTAMINASI DAN TOKSIKOLOGI PANGAN

876 AMERIANA, M. Factors influencing the consumers awareness of safe pesticide residue level on vegetables : a case study on tomato in Bandung. Faktor-faktor yang mempengaruhi kepedulian konsumen terhadap sayuran aman residu pestisida : kasus pada buah tomat di Kota Bandung/Ameriana, M. (Balai Penelitian Tanaman Sayuran, Lembang (Indonesia)); Natawidjaja, R.S.; Arief, B.; Rusidi; Karmana, M.H.. Jurnal Hortikultura (Indonesia). ISSN 0853-7097 (2006) v. 16(1) p. 77-86 3 ill., 9 tables; 15 ref.

TOMATOES; PESTICIDES; RESIDUES;
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TOMATOES; PESTICIDES; RESIDUES;
CONSUMER PRICES; FOOD SECURITY.

878 ANDINI, L.S. Radioresisteny *Salmonella* spp. by influence of dose rates and irradiation dose. Pengaruh laju dosis dan dosis iradiasi terhadap radioresistensi *Salmonella* spp./Andini, L.S.; Harsojo (Pusat Penelitian dan Pengembangan Teknologi Isotop dan Radiasi, Jakarta (Indonesia)); Darjanto, L.D..[Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 1092-1096 5 tables; 13 ref.
636:338.439/SEM/p

SALMONELLA; IRRADIATION;
RADIOSENSITIVITY; APPLICATION
RATES.

879 ARIFIN, Z. Formalin detection of broiler chickens from the market. Deteksi formalin dalam ayam broiler di pasaran/Arifin, Z.; Murdiati, T.B.; Firmansyah, R. (Balai Penelitian Veteriner, Bogor (Indonesia)). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 1036-1040 1 ill., 3 tables; 13 ref. 636:338.439/SEM/p

BROILER CHICKENS; CHICKEN MEAT; FORMALDEHYDE; DATA ANALYSIS; MEASURING INSTRUMENTS; MARKETS; SUPERMARKETS.

880 HARSOJO. Decontamination of some pathogenic bacteria on goat meat and bowel by gamma irradiation. Dekontaminasi bakteri patogen pada daging dan jeroan kambing dengan iradiasi gamma/Harsojo; Andini, L.S. (Pusat Penelitian dan Pengembangan Teknologi Isotop dan Radiasi, Jakarta (Indonesia)); Trimey T., N.R. [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 1027-1031 4 tables; 17 ref. 636:338.439/SEM/p

GOATS; MEAT; BACTERIA; PATHOGENS; SALMONELLA; IRRADIATION; RADIOACTIVE DECONTAMINATION.

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MILK; PESTICIDES; RESIDUES; FEEDS; CONTAMINATION; ORGANOCHLORINE COMPOUNDS; PHOSPHATES; JAVA.

882 KUSUMANINGTYAS, E. Viability of *Saccharomyces cerevisiae*, *Rhizopus oligosporus* and their mixture in rice powder. Viabilitas *Saccharomyces cerevisiae*, *Rhizopus oligosporus* dan campurannya dalam tepung beras/Kusumaningtyas, E.; Widiastuti, R.; Istiana; Maryam; Tarmudji (Balai Penelitian Veteriner, Bogor (Indonesia)). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 1117-1122 2 ill., 2 tables; 21 ref. 636:338.439/SEM/p

RICE FLOUR; SACCHAROMYCES CEREVISIAE; RHIZOPUS OLIGOSPORUS; AFLATOXINS; CONTAMINATION; VIABILITY; TESTING.

883 RACHMAWATI, S. ELISA Kit (Aflavet) for detecting Aflatoxin in agricultural product. Kit ELISA (Aflavet) untuk deteksi Aflatoksin pada produk pertanian/Rachmawati, S. (Balai Penelitian Veteriner, Bogor (Indonesia)). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 1105-1110 2 ill., 1 table; 36 ref. 636:338.439/SEM/p

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884 RUSDI, U.D. Effect extract wood of secang to preservation of groundnut cake. Efek ekstrak kayu secang (*Caesalpinia sappan* L.) terhadap daya simpan bungkil kacang tanah/ Rusdi, U.D.; Hidayati, Y.A. (Universitas Padjadjaran, Jatinangor-Sumedang (Indonesia). Fakultas Peternakan); Widowati, W. Bionatura (Indonesia). ISSN 1411-0903 (2005) v. 7(2) p. 165-178 3 tables; 23 ref.

GROUNDNUT MEAL; PRESERVATION; CAESALPINIA; EXTRACTS.

885 YUNINGSIH. Rapid, solid phase extraction (SPE) technique for the extraction and gas chromatographic determination lindane pesticide in tissue and milk. Analisis cepat residu pestisida lindan (insektisida organoklorin) dalam produk ternak (daging dan susu) dengan teknik ekstraksi fase padat dan khromatografi gas/Yuningsih; Yuliasuti, S. (Balai Penelitian Veteriner, Bogor (Indonesia)). Jurnal Ilmu Ternak dan Veteriner (Indonesia). ISSN 0853-7380 (2005) V. 10(1) p. 79-83 3 tables; 10 ref.

ANIMAL PRODUCTS; MEAT; MILK; PESTICIDES; RESIDUES; GAS CHROMATOGRAPHY.

886 YUNINGSIH. Status of tylosin antibiotic residue in chicken meat samples from Sukabumi, Bogor and Tangerang. Keberadaan residu antibiotika tilosin (golongan makrolida) dalam daging ayam asal daerah Sukabumi, Bogor dan Tangerang/Yuningsih; Murdiati, T.B.; Juariah, S. (Balai Penelitian Veteriner, Bogor (Indonesia)). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 921-925 3 tables; 10 ref. 636:338.439/SEM/p

CHICKEN MEAT; TYLOSIN; RESIDUES; FEED ADDITIVES; ORGANOLEPTIC ANALYSIS; JAVA.

Q04 FOOD COMPOSITION / KOMPOSISI PANGAN

887 JUNIANTO. Recovery value and quality of algin from brown algae extracted of Cidaun South coast origin (Cianjur). Rendemen dan kualitas algin hasil ekstraksi alga (*Sargassum* sp) dari pantai selatan daerah Cidaun Barat/Junianto (Universitas Padjadjaran, Jatinangor-Sumedang (Indonesia). Fakultas Perikanan dan Ilmu Kelautan). Bionatura (Indonesia). ISSN 1411-0903 (2006) v. 8(2) p. 152-160 2 tables; 14 ref

ALGAE; HARVESTING DATE; ALGINATES; QUALITY; ASH CONTENT; WATER CONTENT; EXTRACTS; JAVA.

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SUGAR CANE; GLUCOSE; ISOMERASES; CALCIUM; ISOMERIZATION; PH.

889 WIDANINGRUM. [Study of sago starch standard quality]. Kajian terhadap SNI mutu pati sagu/Widaningrum; Purwani, E.Y.; Munarso, S.J. (Balai Besar Penelitian dan Pengembangan Pasca Panen Pertanian, Bogor (Indonesia)). Jurnal Standardisasi (Indonesia). ISSN 1441-0822 (2005) v. 7(3) p. 91-98 7 tables; 17 ref

SAGO; STARCH; STANDARDS; QUALITY.

890 YUSIANTO. [Effect of particle size on the powdered coffee flavour]. Pengaruh ukuran partikel kopi bubuk terhadap cita rasa/Yusianto. Warta Pusat Penelitian Kopi dan Kakao Indonesia (Indonesia). ISSN 0215-1308 (2004) v. 20(2) p. 87-93 11 ill., 3 tables; 4 ref.

COFFEE; QUALITY; FLAVOUR; ORGANOLEPTIC PROPERTIES; PARTICLE SIZE.

891 YUSIANTO. [Physical and flavour characteristics of coffea mokka]. Karakteristik fisik dan cita rasa kopi moka/Yusianto; Sulistyowati; Hulupi, R.; Sumirat, U. (Pusat Penelitian Kopi dan Kakao, Jember (Indonesia)). Warta Pusat Penelitian Kopi dan Kakao Indonesia (Indonesia). ISSN 0215-1308 (2006) v. 22(1) p. 37-45 4 ill., 9 tables; 10 ref.

COFFEA ARABICA; COFFEE; FLAVOUR; CHEMICOPHYSICAL PROPERTIES; ORGANOLEPTIC PROPERTIES.

Q53 FEED CONTAMINATION AND TOXICOLOGY / KONTAMINASI DAN TOKSIKOLOGI PAKAN

892 WIDIASTUTI, R. Contamination of zearalenone and deoxynivalenol in cattle and pig feeds. Cemaran zearalenon dan deoksinivalenol pada pakan sapi dan babi /Widiastuti, R.; Firmansyah, R. (Balai Penelitian Veteriner, Bogor (Indonesia)). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 968-972 1 tables; 22 ref. 636:338.439/SEM/p

CATTLE; SWINE; FEEDS; ZEARALENONE; MYCOTOXINS; FUSARIUM; CONTAMINATION.

Q55 FEED ADDITIVES / ZAT TAMBAHAN PADA PAKAN

893 ISKANDAR, T. Effect of Vitamin A on caecum lesion score sporulation time and oocyst production of *Eimeria tenella* on arab chicken. Pengaruh pemberian Vitamin A terhadap nilai perlukaan sekum waktu sporulasi dan produksi ookista *Eimeria tenella* pada ayam arab/Iskandar, T. (Balai Penelitian Veteriner, Bogor (Indonesia)). [Proceedings of the national seminar on animal husbandry and veterinary technology. Book 1]. Prosiding seminar nasional teknologi peternakan dan veteriner. Buku 1/Mathius, I W.; Bahri, S.; Tarmudji; Prasetyo, L.H.; Triwulanningsih, E.; Tiesnamurti, B.; Sendow, I.; Suhardono (eds.) Pusat Penelitian dan Pengembangan

Peternakan, Bogor (Indonesia). Bogor: Puslitbangnak, 2005: p. 1041-1048 2 ill., 4 tables; 13 ref. 636:338.439/SEM/p

CHICKENS; RETINOL; APPLICATION RATES; INTESTINES; SPORULATION; TIME; EIMERIA TENELLA; PRODUCTION; ZYGOTES.

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

894 RISFAHERI. Isolation of cardanol from the cashew nut shell liquid using vacuum distillation method. Pemisahan kardanol dari minyak kulit biji mete dengan metode destilasi vakum/Risfaheri (Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian, Bogor (Indonesia)). Jurnal Penelitian Pascapanen Pertanian (Indonesia). ISSN 0216-1192 (2004) v. 1(1) p. 1-11 9 ill; 4 tables; 21 ref.

CASHEWS; SHELL; OILS; PHENOLIC COMPOUNDS; CHEMICOPHYSICAL PROPERTIES; HEAT TREATMENT; DISTILLING; PROCESSING; FACTORIES; COST ANALYSIS.

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

895 ANGGRAENI, R.D. [Assessment of estuary water quality of Bogowonto river in prawns ponds area at Jangkaran Temon Village, Kulon Progo]. Kajian kualitas air muara Sungai Bogowonto di kawasan tambak udang Desa Jangkaran Temon Kulon Progo/Anggraeni, R.D.; Probosunu, N.; Tridjoko (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian). [Proceedings of the annually national seminar on fisheries and marine research results during 2005]. Prosiding seminar nasional tahunan hasil penelitian perikanan dan kelautan tahun 2005/Isnansetyo, A.; Murwantoko; Djumanto; Yusuf B.L., L.; Saksono, H.; Budi S., P.; Setyobudi, E.; Ari B., S.; Soeparno; Husni, A.; Ekantari, N. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian. Yogyakarta: UGM, 2005: (pt.2) p. 337-349 2 tables; 14 ref. 639.2.052.3/SEM/p

PRAWNS AND SHRIMPS; BRACKISH WATER; WASTE DISPOSAL; DELTAS; WATER QUALITY; ZOOPLANKTON; BIODIVERSITY; DOMINANT SPECIES; JAVA.

896 SRIJANTO, B. [Effect of temperature on chitosan processing by chemical method]. Pengaruh suhu pada pembuatan kitosan secara kimiawi/Srijanto, B.; Paryanto, I. (Pusat Pengkajian dan Penerapan Teknologi Farmasi dan Medika, Jakarta (Indonesia)).[Proceedings of the annually national seminar on fisheries and marine research results during 2005]. Prosiding seminar nasional tahunan hasil penelitian perikanan dan kelautan tahun 2005/Isnansetyo, A.; Murwantoko; Djumanto; Yusuf B.L., L.; Saksono, H.; Budi S., P.; Setyobudi, E.; Ari B., S.; Soeparno; Husni, A.; Ekantari, N. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian. Yogyakarta: UGM, 2005: (pt.3) p. 18-23 1 ill., 1 table; 12 ref. Appendices 639.2.052.3/SEM/p

PRAWNS AND SHRIMPS; SHELL; FISH WASTES; CHITIN; TEMPERATURE; ACETYLATION; CHITOSAN; ANALYTICAL METHODS; PROCESSING; CHEMICAL REACTIONS.

S30 DIET AND DIET RELATED DISEASES/ DIET DAN DIET KARENA PENYAKIT

897 SULISTYOWATI. [Assessment of smallholder cocoa bean quality with SNI 01-2323-2002 in South Sulawesi]. Kajian kesesuaian mutu kakao rakyat Sulawesi Selatan dengan SNI 01-2323-2002/Sulistyowati; Moeljono, A.; Utomo; Hilman, M.S. . Jurnal Standardisasi (Indonesia). ISSN 1441-0822 (2005) v. 7(3) p. 117-125 8 ill., 4 tables; 5 ref

COCOA BEANS; QUALITY; STANDARDS; SULAWESI.

T01 POLLUTION / POLUSI

898 DEWI, J. [Classification of shellfish culture location based on determination faecal coliform, Escherichia coli, mercury (Hg), lead (Pb) in Lampung bay waters]. Klasifikasi lokasi budidaya kekerangan berdasar penentuan kandungan Faecal coliform, Escherichia coli, Merkuri (Hg) dan Timah (Pb) di perairan Teluk Lampung/Dewi, J.;

Brite, M.; Hendrianto; Hartono, P. (Balai Budidaya Laut Lampung, Bandar Lampung (Indonesia)).[Proceedings of the annually national seminar on fisheries and marine research results during 2005]. Prosiding seminar nasional tahunan hasil penelitian perikanan dan kelautan tahun 2005/Isnansetyo, A.; Murwantoko; Djumanto; Yusuf B.L., L.; Saksono, H.; Budi S., P.; Setyobudi, E.; Ari B., S.; Soeparno; Husni, A.; Ekantari, N. (eds.) Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian. Yogyakarta: UGM, 2005: (pt.2) p. 313-316 2 tables; 10 ref.

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SHELLFISH; IDENTIFICATION; PATHOGENS; COLIFORM BACTERIA; FAECES; ESCHERICHIA COLI; MERCURY; LEAD; WATER ANALYSIS; HYGIENE; MARINE ENVIRONMENT; SUMATRA.

899 LUBIS, R.A. Optimization in mediated electrochemical oxidation using cobalt sulfate as the mediator system (part 1). Optimalisasi mediasi elektrokimia oksidasi menggunakan cobalt-sulfat (bagian 1)/Lubis, R.A. (Universitas Padjadjaran Jatinangor-Sumedang (Indonesia)) . Bionatura (Indonesia). ISSN 1411-0903 (2005) v. 7(2) p. 146-164 5 ill., 2 tables; Bibliography : p. 160-164.

COBALT; SULPHATES; POLLUTION; WASTEWATER TREATMENT.

U10 MATHEMATICAL AND STATISTICAL METHODS / METODA MATEMATIKA DAN STATISTIKA

900 NURHASANAH, A. Development of algoritma on image processing and artificial neural network to determine maturity level of mangosteen. Pengembangan algoritma pengolahan citra dan jaringan syaraf tiruan untuk menentukan tingkat kematangan manggis/Nurhasanah, A. (Balai Besar Pengembangan Mekanisasi Pertanian, Serpong, Tangerang (Indonesia)); Suroso; Ahmad, U. Jurnal Enjiniring Pertanian (Indonesia). ISSN 1693-2900 (2005) v. 3(1) p. 1-12 10 ill., 7 tables; 9 ref

MANGOSTEEN; IMAGE PROCESSING; NEURAL NETWORKS; QUALITY; MATURITY.

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