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Kata Pengantar

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

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

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

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

Bogor, 2005

Kepala Pusat Perpustakaan dan
Penyebaran Teknologi Pertanian

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0601 WAGIMAN, F.X. . [Habitats management]. Pengelolaan habitat/ Wagiman, F.X. Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian.. Yogyakarta (Indonesia): UGM, 2000 34 p. 3 ref.

HABITATS; ECOSYSTEMS; AGRO-ECOSYSTEMS; BIOLOGICAL CONTROL.

A50 AGRICULTURAL RESEARCH / PENELITIAN PERTANIAN

0602 DIMYATI, A. Research priorities for potato in Indonesia / Dimiyati, A.. Progress in potato and sweet potato research in Indonesia/ Fuglie, K.O. . Jakarta (Indonesia): Badan Litbang Pertanian, 2003 p. 15-19 7 ref.

POTATOES; RESEARCH; PRODUCTION; INDONESIA.

0603 SALEH, N. Present status and future research in sweet potato in Indonesia/Saleh, N.; Hartojo, K.. Progress in potato and sweet potato research in Indonesia / Fuglie, K.O. . Jakarta (Indonesia): Badan Litbang Pertanian, 2003 p. 137-155 1 table; 94 ref. Summary (En)

SWEET POTATOES; RESEARCH; RESEARCH INSTITUTIONS; PLANT ESTABLISHMENT; CROP MANAGEMENT; PEST CONTROL; POSTHARVEST TECHNOLOGY; PROCESSING; SOCIOECONOMIC DEVELOPMENT; TECHNOLOGY TRANSFER; INDONESIA.

0604 SUPRIHATNO, B. [Main results and progress of food crops research on swamps land]. Hasil utama dan kemajuan penelitian tanaman pangan lahan rawa/Suprihatno, B.; Sabran, M. (Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia)). [Food crop management in swamp land]. Pengelolaan tanaman pangan lahan rawa/ Prayudi, B.; Sabran, M.; Noor, I.; Ar-Riza, I.; Partohardjono, S.; Hermanto (eds.) Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia)). Banjarbaru (Indonesia): BALITTRA, 2000 p. 11-28 6 tables; 21 ref.

ORYZA SATIVA; HIGH YIELDING VARIETIES; RODENT CONTROL; RHIZOCTONIA SOLANI; BIOLOGICAL CONTROL; WATER MANAGEMENT; RESEARCH; SWAMPS.

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POTATOES; RESEARCH; IN VITRO CULTURE; SEED POTATOES; SEED CERTIFICATION; GENE BANKS; HYBRIDIZATION; GENETIC TRANSFORMATION; JAVA.

C10 EDUCATION / PENDIDIKAN

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SWEET POTATOES; CROP MANAGEMENT; TRAINING; FARMERS; PARTICIPATION; INDIGENOUS KNOWLEDGE; INCOME; EVALUATION.

C20 EXTENSION / PENYULUHAN DAN KOMUNIKASI

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EXTENSION ACTIVITIES; AGRICULTURAL POLICIES; FARMERS; TRADE LIBERALIZATION.

0608 SUBAGYO. [Application of partisipative extension in the Philippine and Indonesia]. Serupa tapi tak sama : penerapan penyuluhan partisipatif di Filipina dan

Indonesia/Subagyo. Ekstensia (Indonesia)
ISSN 0853-5922 (2002) v. 15 p. 57-60

INDONESIA; PHILIPPINES; EXTENSION
ACTIVITIES; SMALL FARMS;
SCIENTISTS; FARM MANAGEMENT.

**E10 AGRICULTURAL ECONOMICS
AND POLICIES / EKONOMI
DAN KEBIJAKSANAAN NASIO-
NAL MENGENAI PERTANIAN**

0609 AMAR. [Analysis on speciality level of agricultural commodities in supporting on regional economy of Donggala Regency (Indonesia)]. Analisis tingkat spesialisasi komoditas pertanian dalam mendukung perekonomian daerah Kabupaten Donggala/ Amar (Universitas Tadulako, Palu (Indonesia). Fakultas Teknik). Jurnal Agroland (Indonesia) ISSN 0854-641X (2002) v. 9(2) p. 141-146 2 tables; 9 ref. Summaries (En, In)

AGRICULTURAL PRODUCTS; MARKET
RESEARCH; ECONOMIC
DEVELOPMENT; SULAWESI.

0610 AMRULLAH. . [Economic policy of rice in Indonesia]. Kebijakan ekonomi beras Indonesia/Amrullah Pusat Penelitian dan Pengembangan Badan Urusan Logistik, Jakarta (Indonesia). Jakarta (Indonesia): Puslitbang Bulog, 2003 152 p. 12 ill., 24 tables; Bibl. p. 121-136. Appendices

RICE; ECONOMIC POLICIES;
PRODUCTION CONSUMPTION;
IMPORTS; PRICE POLICIES;
DEVELOPMENT POLICIES.

0611 JIMMI. Structure of demand for vegetables in Bali (Indonesia): case of households in Denpasar City/Jimmi (Atamico, Jakarta (Indonesia)). Highland vegetable cultivation in Indonesia: a multi-disciplinary study towards eco-ecofarming / Fujimoto, A.; Abdullah, K.(eds.) . Tokyo (Japan): Word Planning, 2001 p. 373-389 13 tables; 4 ref.

VEGETABLES; DEMAND;
HOUSEHOLDS; CONSUMERS; INCOME;
PURCHASING; PRICES; BALI.

0612 POESPODARSONO, S. [Reliable agricultural acceleration through improvement of human resources]. Akselerasi pertanian

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AGRICULTURAL DEVELOPMENT;
HUMAN RESOURCES.

0613 SAWIT, M.H. [Sugar economy of Indonesia : an introduction]. Ekonomi gula Indonesia : sebuah pengantar/Sawit, M.H. (Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia)). [Sugar economy in Indonesia]. Ekonomi gula di Indonesia/Sawit, M.H.; Suharno, P.; Rachman, A.(eds.) . Bogor (Indonesia): IPB, 1999 p. 1-19 9 ref.

SUGAR INDUSTRY; ECONOMIC
SITUATION; CONSUMPTION; DEMAND;
FOOD INDUSTRY; INDONESIA.

0614 SEJATI, W.K. . [Development of technology dissemination system supporting regional agricultural development]. Pengembangan sistem diseminasi teknologi mendukung pembangunan pertanian wilayah/Sejati, W.K.; Sulaiman, F.; Basuno, E.; Suradisastra, K.; Syam, A.; Prasetyo, B.; Setiyanto, A. Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia). Bogor (Indonesia): PSE, 2001 165 p. 26 tables; 25 ref.

AGRICULTURAL DEVELOPMENT;
EXTENSION ACTIVITIES; DIFFUSION OF
INFORMATION; TECHNOLOGY
TRANSFER; FARM SURVEYS;
EFFICIENCY.

0615 SIMATUPANG, P. [Inter-industrial linked and its role on economic situation in Indonesia]. Keterkaitan antar industri dan peranannya dalam perekonomian nasional/Simatupang, P.; Syafa'at, N.; Liestijati, F.(Pusat Penelitian dan Pengembangan Sosial

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SUGAR INDUSTRY; ECONOMIC VALUE; PRODUCTION INCREASE; DEMAND; HOUSEHOLD CONSUMPTION; EMPLOYMENT; FARM INCOME; INDONESIA.

0616 SIMATUPANG, P. [Sugar industry on national food policy: historical analysis]. Gula dalam kebijaksanaan pangan nasional : analisis historis/Simatupang, P.; Rachman, A.; Pelitasari, L. (Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia)). [Sugar economy in Indonesia]. Ekonomi gula di Indonesia/Sawit, M.H.; Suharno, P.; Rachman, A.(eds.) . Bogor (Indonesia): IPB, 1999 p. 481-546 9 tables; 40 ref.

SUGAR INDUSTRY; ECONOMIC POLICIES; SOCIOECONOMIC ENVIRONMENT; FOOD POLICIES; COLONIALISM; MONOPOLIES.

0617 SUDARMA, I M. Supply and demand of temperate vegetables in Bali (Indonesia)/Sudarma, I M. (Universitas Udayana, Denpasar (Indonesia). Fakultas Pertanian). Highland vegetable cultivation in Indonesia: a multi-disciplinary study towards ecoecofarming / Fujimoto, A.; Abdullah, K.(eds.) . Tokyo (Japan): Word Planning, 2001 p. 367-372 4 tables; 7 ref.

VEGETABLES; SUPPLY BALANCE; PRODUCTION; CONSUMPTION; DEMAND; BALI.

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

0618 SA'AD, A. Land use change in Kumpoh peatland area in relation to sub surface water table/Sa'ad, A.; Zuhdi, M. (Univeritas Jambi (Indonesia). Fakultas Pertanian)); Trisasongko, B.H.. Peatlands for people: natural resource functions and sustainable management: Proceedings of the International Symposium on Tropical Peatlands / Rieley,

J.O.; Page, S.E.; Setiadi, B. (eds.) Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2002 p. 264-266 2 ill., 1 table; Summary (En)

PEATLANDS; LAND USE; AGRICULTURAL SECTOR; MIGRATION; GROUNDWATER; DRAINAGE; WATER STORAGE; RURAL SETTLEMENT.

0619 TJOKRODIRDJO, H.S. [Sugar industry in the out of Java (Indonesia)]. Industri gula di luar Jawa/Tjokrodirdjo, H.S.; Sjafein, L.M.; Subroto, B. (Pusat Penelitian Perkebunan Gula, Pasuruan (Indonesia)). [Sugar economy in Indonesia]. Ekonomi gula di Indonesia/Sawit, M.H.; Suharno, P.; Rachman, A.(eds.) . Bogor (Indonesia): IPB, 1999 p. 131-206 1 ill., 15 tables; 41 ref. Appendix

SUGARCANE; SUGAR INDUSTRY; LAND SUITABILITY; LAND USE; SOIL FERTILITY; POSTHARVEST TECHNOLOGY; SULPHITATION; TECHNOLOGY TRANSFER; INDONESIA.

0620 ZAENAL, A. Developing criteria for land suitability classification of peatland for growth of corn/Zaenal, A. (Universitas Papua, Manokwari (Indonesia)); Hardjowigeno, S.; Djunaedi, A.R.; Subagyo, H.. Peatlands for people: natural resource functions and sustainable management: Proceedings of the International Symposium on Tropical Peatlands / Rieley, J.O.; Page, S.E.; Setiadi, B. (eds.) Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2002 p. 81-93 9 tables; 16 ref. Summary (En)

ZEA MAYS; GROWTH; PEATLANDS; LAND SUITABILITY; SOIL CHEMICOPHYSICAL PROPERTIES; LAND EVALUATION.

E12 LABOUR AND EMPLOYMENT / TENAGA KERJA DAN KESEMPATAN KERJA

0621 SUHAETI, R.N. [Impact of economic crises on agricultural labour market in rural areas]. Dampak krisis ekonomi terhadap pasar tenaga kerja pertanian di pedesaan/Suhaeti, R.N. (Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia)). Warta Penelitian dan

Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2001) v. 23(2) p. 13-14

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

0622 VIDYATMOKO, D. [Study on development of palm oil industry at downstream Mamberamo watershed, Irian Jaya (Indonesia)]. Kajian pembangunan industri kelapa sawit di DAS Mamberamo Hilir, Irian Jaya / Vidyatmoko, D. (Pusat Pengkajian Kebijakan Inovasi Teknologi, Jakarta (Indonesia)); Henanto, H.. Jurnal Sains dan Teknologi Indonesia (Indonesia). Edisi Agroindustri dan Pertanian ISSN 1410-9409 (2001) v. 3(3) p. 32-35 5 ref. Summary (En)

PALM OILS; INDUSTRY; FACTORIES; INVESTMENT; FEASIBILITY STUDIES; ECONOMIC ANALYSIS; IRIAN JAYA.

E13 INVESTMENT, FINANCE AND CREDIT / INVESTASI, KE- UANGAN DAN KREDIT

0623 DIREKTORAT PENGEMBANGAN USAHA HORTIKULTURA. . [Guidance of farmers group investment]. Pedoman pemupukan modal kelompok / Direktorat Pengembangan Usaha Hortikultura, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Pengembangan Usaha Hortikultura, 2002 38 p. 1 ill., Appendices.

HORTICULTURE; AGROINDUSTRIAL SECTOR; FARMERS ASSOCIATIONS; CAPITAL; INVESTMENT; FINANCIAL INSTITUTIONS; COOPERATIVE CREDIT.

0624 HUTABARAT, B. . [Impact analysis of public investment on agricultural sector]. Analisis dampak investasi publik terhadap sektor pertanian/Hutabarat, B.; Kustiari, R.; Rahmanto, B.; Tarigan, H.; Asikin, A. Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian, Bogor (Indonesia). Bogor (Indonesia): PSE, 2001 8 ill., 81 tables; Bibl. p. 206-214 ; Summary (In).

FOOD CROPS; AGRICULTURAL SECTOR; AGRICULTURAL ECONOMICS; PUBLIC INVESTMENT; AGRICULTURAL POLICIES; PRODUCTIVITY; FARM STRUCTURE.

E14 DEVELOPMENT ECONOMICS AND POLICIES / EKONOMI DAN KEBIJAKSANAAN PEMBANGUNAN

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ECONOMIC SITUATION; LOCAL
GOVERNMENT; LIVING STANDARDS;
ECONOMIC ANALYSIS; JAVA.

E16 PRODUCTION ECONOMICS / EKONOMI PRODUKSI

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ORYZA SATIVA; PHOSPHATE FERTILIZERS; EFFICIENCY; INTENSIVE FARMING; WATER MANAGEMENT; TECHNOLOGY; INNOVATION ADOPTION; SUMATRA.

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

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FRUITS; RURAL AREAS; TOURISM;
FARMING SYSTEMS.

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CAMELLIA SINENSIS; HARVESTING; PICKING; MACHINERY.

0713 BUDIHARTO, B. [Direct sowing technology on lowland rice]. Teknologi tanam benih langsung (tabel) pada padi sawah/Budiharto, B.; Bahri, S.; Sutanto, A. (Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia)). [Report on the Appreciation Activity of Recommended Technology Development]. Laporan Hasil Kegiatan Apresiasi Pengembangan Teknologi Rekomendasi/Budiharto, B.; Bahri, S.; Sutanto, A. Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia). Ungaran (Indonesia): BPTP, 2000 p. 1-10 6 tables; 3 ref.

FLOODED RICE; SEED; DIRECT SOWING; TILLAGE; SEED TREATMENT; IRRIGATION SYSTEMS; WEED CONTROL; GROWTH; YIELDS; ECONOMIC ANALYSIS.

0714 CARSONO, N. [Cultivation technology application on potato for seeds a production at Warnasari Village, District of Pangalengan, Bandung Regency (Indonesia)]. Aplikasi teknologi budidaya pada tanaman kentang untuk bibit di desa Warnasari Kecamatan Pangalengan Kabupaten Bandung/Carsono, N.; Qosim, W.A.; Ruminta (Universitas Padjadjaran, Bandung, (Indonesia). Fakultas Pertanian). Jurnal Pengabdian Kepada

Masyarakat (Indonesia) ISSN 1410-5675 (2002) v. 11(4) p. 15-18 5 ref. Summary (In)

SOLANUM TUBEROSUM; CULTIVATION; SEEDLINGS; SEED PRODUCTION; QUALITY; TECHNOLOGY TRANSFER.

0715 DIREKTORAT ANEKA TANAMAN . [Cultivation of Javanese long pepper (*Piper retrofractum* Vah L.) and cardamoms (*Elettaria cardamomum* WILLD). Budidaya tanaman obat (cabe jawa dan kapulaga)/Direktorat Aneka Tanaman, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Aneka Tanaman, 2000 50 p. 2 ill., 1 table

PIPER RETROFRACTUM; ELETTARIA CARDAMOMUM; CULTIVATION; AGRONOMIC CHARACTERS; SOIL TYPES; RAIN; SHADING; VEGETATIVE PROPAGATION; GROWING MEDIA; SEED; PLANTING DATE; CROP MANAGEMENT; FERTILIZER APPLICATION; HARVESTING; POSTHARVEST TECHNOLOGY; COST ANALYSIS.

0716 DIREKTORAT JENDERAL BINA PRODUKSI HORTIKULTURA. . [Good farming practices of horticulture]. Norma budidaya hortikultura yang baik (good farming practices)/Direktorat Jenderal Bina Produksi Hortikultura, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Jenderal Bina Produksi Hortikultura, 2002 31 p.

HORTICULTURE; CULTIVATION; PRODUCTION INCREASE; QUALITY; PRODUCTIVITY; FARM INPUTS; ECONOMIC COMPETITION; SUSTAINABILITY.

0717 DIREKTORAT KACANG-KACANGAN DAN UMBI-UMBIAN. . [Brief introduction and cultivation of taro, arrowroot, edible canna, "gembili" winged yam, astatic bitter yam, "iles-iles", elephant yam]. Sekilas pengenalan dan budidaya talas, garut, ganyong, gembili, ubi kelapa, gadung, iles-iles, suweg/acung/Direktorat Kacang-kacangan dan Umbi-umbian, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Kacang-kacangan dan Umbi-umbian, 2002 85 p. 1 ill.; 18 tables.; 12 ref.

COLOCASIA ESCULENTA;
XANTHOSOMA SAGITTIFOLIUM;
MARANTA ARUNDINACEA; CANNA
EDULIS; DIOSCOREA ALATA;
DIOSCOREA ESCULENTA; DIOSCOREA
HISPIDA; AMORPHOPHALLUS
CAMPANULATUS; PLANT ANATOMY;
CULTIVATION; SEEDS; HARVESTING;
POSTHARVEST TECHNOLOGY;
NUTRITIVE VALUE; PROCESSED
PRODUCTS; COST ANALYSIS.

0718 DIREKTORAT PERBENIHAN. .
[Guidance on seed propagation of lowland
vegetables: shallot and eggplant]. Pedoman
perbanyak benih sayuran dataran rendah:
seri bawang merah, terong/Direktorat
Perbenihan, Jakarta (Indonesia). Jakarta
(Indonesia): Direktorat Perbenihan, 2002 84 p.
4 ill., 10 ref.

ALLIUM SATIVUM; SOLANUM
MELONGENA; SEED PRODUCTION;
FERTILIZER APPLICATION; PEST
CONTROL; DISEASE CONTROL;
LOWLAND.

0719 DIREKTORAT PERLINDUNGAN
HORTIKULTURA. . [Guidance of safe-
consumed cabbage cultivation]. Pedoman
budidaya kubis aman konsumsi/Direktorat
Perlindungan Hortikultura, Jakarta
(Indonesia). Jakarta (Indonesia): Direktorat
Perlindungan Hortikultura, 2001 97 p. 2
tables; Appendices.

BRASSICA OLERACEA CAPITATA;
PESTICIDES; RESIDUAL EFFECTS;
TOXICITY; CULTIVATION;
RHIZOCTONIA SOLANI; PERONOSPORA
PARASITICA; AGROTIS IPSILON;
CROCIDOLOMIA BINOTALIS;
INTEGRATED CONTROL.

0720 DIREKTORAT SEREALIA. .
[Rescheduling of planting date and rotation of
irrigated rice varieties]. Pengaturan waktu
tanam dan pergiliran varietas/Direktorat
Serealia, Jakarta (Indonesia). Jakarta
(Indonesia): Direktorat Serealia, 2002 20 p.

ORYZA SATIVA; VARIETIES; PLANTING
DATE; ROTATIONAL CROPPING;
FERTILIZER APPLICATION; DISEASE
CONTROL; PEST CONTROL.

0721 FARIDA, I. [Effect of shading and
mulching on the growth and yield of paprika].
Pengaruh naungan dan lahan ditutupi mulsa
terhadap pertumbuhan dan hasil paprika/
Farida, I.; Husyari, U.D. Universitas Winaya
Mukti, Sumedang (Indonesia). Fakultas
Pertanian. Sumedang (Indonesia): UNWIM,
2001 29 p. 5 ill; 7 tables; 7 ref.

PAPRIKA; SHADING; MULCHES;
MULCHING; PLANT PHYSIOLOGY;
AGRONOMIC CHARACTERS; GROWTH;
YIELDS.

0722 MIYAURA, R. Vegetable cultivation
practices and costs in tropical highland: a case
study of highland Bali (Indonesia)/Miyaura,
R.; Suryadi, A.M.; Fujimoto, A.. Highland
vegetable cultivation in Indonesia: a multi-
disciplinary study towards eco ecofarming/
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(Japan): Word Planning, 2001 p.
197-209 6 tables; 3 ref.

VEGETABLE CROPS; CULTIVATION;
BUDGETS; ECONOMIC ANALYSIS;
HIGHLANDS; BALI.

0723 NURAINI, A. [Vegetables cultivation
through verticulture technique to increase yard
utilization at Pasigaran Village, District of
Tanjungsari, Sumedang Regency (Indonesia)].
Peningkatan pemanfaatan pekarangan dengan
bertanam sayuran secara vertikultur di Desa
Pasigaran Kecamatan Tanjungsari Kabupaten
Sumedang/Nuraini, A.; Kurniadie, H.D.;
Sobardini, D. (Universitas Padjadjaran
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p. 32-37 1 table; 4 ref. Summary (In)

VEGETABLE CROPS; SMALL FARMS;
TECHNOLOGY TRANSFER.

0724 NURDIN, F. Constraints on potato
production in West Sumatra (Indonesia)/
Nurdin, F.. Progress in potato and sweet
potato research in Indonesia/Fuglie, K.O.
Jakarta (Indonesia): Badan Litbang Pertanian,
2003 p. 131-135 3 tables; 10 ref.

POTATOES; PRODUCTION;
CONSTRAINTS; SEEDS; QUALITY;
FERTILIZER APPLICATION; INTE-
GRATED PEST MANAGEMENT;
SUMATRA.

0725 QOSIM, W.A. [Increasing tomato quality and quantity by using hydroponics technology at Warnasari Village, District of Pangalengan, Bandung Regency (Indonesia)]. Peningkatan kualitas dan kuantitas tomat melalui teknik hidroponik di Desa Warnasari Kecamatan Pangalengan Kabupaten Bandung/Qosim, W.A.; Ruminta; Sauman H., J. (Universitas Padjadjaran Bandung, (Indonesia). Fakultas Pertanian). Jurnal Pengabdian Kepada Masyarakat (Indonesia) ISSN 1410-5675 (2002) v. 11(4) p. 24-27 3 ref. Summary (In)

LYCOPERSICON ESCULENTUM;
HYDROPONICS; QUALITY;
INNOVATION ADOPTION.

0726 RUSKANDI. [Growth and yield of bananas intercropped with coconut]. Pertumbuhan dan hasil pisang nangka sebagai tanaman sela di antara kelapa/Ruskandi (Loka Penelitian Tanaman Sela Perkebunan, Pakuwon Sukabumi (Indonesia)). Buletin Teknik Pertanian (Indonesia) ISSN 0853-8379 (2002) v. 7(2) p. 73-76 2 tables; 10 ref.

COCOS NUCIFERA; MUSA (BANANAS);
GROWTH; YIELDS; MIXED CROPPING.

0727 SINGGIH, H.R. Increasing production of upland rice by sustainable no-tillage practices in Rantau minyak village, Sidomulyo, South Lampung (Indonesia). Meningkatkan produksi padi gogo pada lahan kering tanpa olah tanah berkelanjutan di Desa Rantau minyak, Kecamatan Sidomulyo, Lampung Selatan/Singgih, H.R. . Proceedings of Workshop on Management of Agrobiodiversity in Indonesia for Sustainable Land Use and Global Environmental Benefits/Gafur, A.; Susilo, F.X.; Utomo, M.; Noordwijk, M.V. (eds.) Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia); Universitas Lampung, Bandar Lampung (Indonesia). Jakarta (Indonesia): AARD, 1999 p. 132-139 4 tables; Summary (En)

UPLAND RICE; PRODUCTION
INCREASE; CULTIVATION; ZERO
TILLAGE; PLANTING; ECONOMIC
ANALYSIS; SUMATRA.

0728 SURYADI, A.M. Seasonal differences in vegetables cultivation in Candi Kuning (Bali, Indonesia)/Suryadi, A.M. (Direktorat

Jenderal Hortikultura, Jakarta (Indonesia)). Highland vegetable cultivation in Indonesia: a multi-disciplinary study towards eco-ecofarming/Fujimoto, A.; Abdullah, K.(eds.) . Tokyo (Japan): Word Planning, 2001 p. 211-235 9 tables

VEGETABLE CROPS; CULTIVATION;
SEASONAL VARIATION; ECONOMICS;
ENVIRONMENT; BALI.

0729 YAMAZAKI, K. Some ecological considerations in highland vegetable cultivation in Bali (Indonesia)/Yamazaki, K.. Highland vegetable cultivation in Indonesia: a multi-disciplinary study towards eco-ecofarming/Fujimoto, A.; Abdullah, K.(eds.) . Tokyo (Japan): Word Planning, 2001 p. 285-293 9 ref.

VEGETABLE CROPS; CULTIVATION;
ECOLOGY; CLIMATE; SOIL
CHEMICOPHYSICAL PROPERTIES;
WATER USE; HIGHLANDS; BALI.

F02 PLANT PROPAGATION / PERBANYAKAN TANAMAN

0730 EFFENDI, S. [Propagation technique of cassava]. Teknik perbanyak bibit ubikayu secara mudah dan murah/Effendi, S. (Pusat Penelitian dan Pengembangan Tanah dan Agroklimat, Bogor (Indonesia)). Buletin Teknik Pertanian (Indonesia) ISSN 0853-8379 (2002) v. 7(2) p. 66-68 1 ill., 3 tables; 4 ref.

MANIHOT ESCULENTA; SEEDLINGS;
PLANT PROPAGATION; DIAMETER;
YIELDS; GROWTH.

0731 LIMBONGAN, J. [Side grafting of high yielding cocoa varieties at Central Sulawesi (Indonesia)]. Sumbang samping kakao unggul di Sulawesi Tengah/Limbongan, J.; Sarasutha, I G.P. (Balai Pengkajian Teknologi Pertanian Sulawesi Tengah, Palu (Indonesia)). [Compilation Papers of Expose and Seminar on Local Specific Technology]. Kumpulan Makalah Ekspose dan Seminar Teknologi Spesifik Lokasi / Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): Badan Litbang Pertanian, 2002 (pt. 15) 12 p. 1 ill., 3 tables; 13 ref. Summary (In)

THEOBROMA CACAO; HIGH YIELDING VARIETIES; GRAFTING; TECHNOLOGY; AGROCLIMATIC ZONES; SULAWESI.

0732 SUMARSONO, L. [Topworking technique using three entries stadia on *Citrus nobilis* seedlings]. Teknik sambung pucuk menggunakan tiga stadia entres pada bibit tanaman jeruk keprok (*Citrus nobilis*) / Sumarsono, L.; Sjaefuddin, A.; Abdurahman (Instalasi Penelitian dan Pengkajian Teknologi Pertanian Cipaku, Bogor (Indonesia)). Buletin Teknik Pertanian (Indonesia) ISSN 0853-8379 (2002) v. 7(2) p. 51-53 1 table; 4 ref.

CITRUS; GRAFTING; TOPWORKING; SEEDLINGS; PRUNING.

0733 WIDORETNO, W. In vitro methods for inducing somatic embryos of soybean and plantlet regeneration. Metode induksi pembentukan embrio somatik dari kotiledon dan regenerasi plantlet kedelai secara in vitro / Widoretno, W.; Arumningtyas, E.L. (Universitas Brawijaya, Malang (Indonesia)). Fakultas Matematika dan Ilmu Pengetahuan Alam; Sudarsono, Hayati (Indonesia) ISSN 0854-8587 (2003) v.10(1) p. 19-24 6 ill., 5 tables.; 23 ref.; Summary (En)

GLYCINE MAX; GENOTYPES; SOMATIC EMBRYOS; SEEDLINGS; GERMINATIONS; PLANT GROWTH SUBSTANCES; REGENERATION.

F03 SEED PRODUCTION / PRODUKSI DAN PERLAKUAN TERHADAP BIJI DAN BENIH

0734 BUDIHARTO, B. [Seed production technology of maize var. Bisma]. Teknologi perbanyak benih jagung Bisma / Budiharto, B.; Bahri, S.; Sutanto, A. (Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia)). [Report on the Appreciation Activity of Recommended Technology Development]. Laporan Hasil Kegiatan Apresiasi Pengembangan Teknologi Rekomendasi / Budiharto, B.; Bahri, S.; Sutanto, A. Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia). Ungaran (Indonesia): BPTP, 2000 p. 1-7 4 tables; 7 ref.

ZEA MAYS; VARIETIES; SEED PRODUCTION; SEED TREATMENT; SEED STORAGE; SEED TESTING; SEED

CERTIFICATION; YIELD COMPONENTS; SEED; QUALITY.

0735 JAYASINGHE, U. Potato seed system in Indonesia: a baseline survey / Jayasinghe, U.. Progress in potato and sweet potato research in Indonesia / Fuglie, K.O. . Jakarta (Indonesia): Badan Litbang Pertanian, 2003 p. 73-81 11 ref.

POTATOES; SEED PRODUCTION; TISSUE CULTURE; VARIETIES; SITE FACTORS; SEED STORAGE; QUALITY CONTROLS.

F04 FERTILIZING / PEMUPUKAN

0736 ANON. [Bokhasi compost: cheap and environment friendly]. Kompos bokhasi, murah dan akrab lingkungan / Anon. Media Perkebunan (Indonesia) ISSN 0215-1278 (2002) (no.40) p. 28-29

COMPOSTS; BIOFERTILIZERS; PROCESSING; FERTILIZER APPLICATION; PEST CONTROL; ECONOMIC ANALYSIS.

0737 BARCHIA, F. Release of phenolic acids and carbon from rice fields on Central Kalimantan (Indonesia) peatlands / Barchia, F.; Sabiham, S. (Institut Pertanian Bogor (Indonesia)). Peatlands for people: natural resource functions and sustainable management: Proceedings of the International Symposium on Tropical Peatlands / Rieley, J.O.; Page, S.E.; Setiadi, B. (eds) Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2002 p. 75-80 4 ill., 1 table; 11 ref. Summary (En)

ORYZA SATIVA; RICE FIELDS; PHENOLIC ACIDS; CARBON DIOXIDE; METHANE; SOIL IMPROVEMENT; TILLAGE; PEATLANDS; KALIMANTAN.

0738 DIREKTORAT SEREALIA. . [Fertilizer recommendation for rice]. Rekomendasi pemupukan tanaman padi / Direktorat Serealia, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Serealia, 2001 37 p.

ORYZA SATIVA; FERTILIZERS; ORGANIC FERTILIZERS; FARMYARD

MANURE; NUTRITIVE VALUE; APPLICATION RATES.

0739 DIREKTORAT SEREALIA. [Guidance materials for socialization of organic fertilizers]. Bahan bimbingan pemasyarakatan pupuk organik/ Direktorat Serealia, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Serealia, 2002 39 p. 5 tables.

SOIL ORGANIC MATTER; SOIL CHEMICOPHYSICAL PROPERTIES; SOIL BIOLOGY; ORGANIC FERTILIZERS; FERTILIZER APPLICATION; SOIL FERTILITY.

0740 DIREKTORAT SEREALIA. [Evaluation of organic matter utilization]. Evaluasi pemanfaatan bahan organik/ Direktorat Serealia, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Serealia, 2001 23 p.

ORGANIC FERTILIZERS; AZOLLA; SOIL CHEMICOPHYSICAL PROPERTIES; USES; APPLICATION RATES; FOOD CROPS; CULTIVATION.

0741 HARJOKO, D. [Assessment on liquid organic fertilizer biogreenex on chinese cabbage in Boyolali (Indonesia)]. Pengkajian pupuk organik cair (POC) biogreenex pada tanaman sawi di Kabupaten Boyolali/ Harjoko, D. (Universitas Sebelas Maret Surakarta (Indonesia). Fakultas Pertanian). Caraka Tani (Indonesia) ISSN 0854-3984 (2000) v. 15(2) p. 9-19 5 tables; 9 ref. Summary (In)

BRASSICA CHINENSIS; FERTILIZER APPLICATION; ORGANIC FERTILIZERS; LIQUID FERTILIZERS; UREA; SPRAYING; YIELDS; JAVA.

0742 HARTATIK, W. Effect of different ameliorant sources to maize growth in peat soil from Air Sugihan Kiri, South Sumatra (Indonesia)/ Hartatik, W. (Institut Pertanian Bogor (Indonesia)); Nugroho, K.. Peatlands for people: natural resource functions and sustainable management: Proceedings of the International Symposium on Tropical

Peatlands/Rieley, J.O.; Page, S.E.; Setiadi, B. (eds.) Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2002 p. 103-108 5 tables; 6 ref. Summary (En)

ZEA MAYS; DOLOMITE; ASHES; ORGANIC FERTILIZERS; MINERAL SOILS; GROWTH; APPLICATION RATES; BIOMASS; YIELDS; PEAT SOILS; SUMATRA.

0743 JAMIL, A. [Recomendation of P and K fertilizers on irrigated rice in South Tapanuli Regency, North Sumatra (Indonesia)]. Arahan pemupukan P dan K padi sawah di Kabupaten Tapanuli Selatan Sumatera Utara/Jamil, A.; Nieldalina; Harahap, D.; Sembiring, H.; Murizaf; Zaini, Z.; Sofyan, A.; Suryono, J. (Balai Pengkajian Teknologi Pertanian Sumatera Utara, Gedong Johor (Indonesia)). [Compilation Papers of Expose and Seminar on Local Specific Technology]. Kumpulan Makalah Ekspose dan Seminar Teknologi Spesifik Lokasi/Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): Badan Litbang Pertanian, 2002 (pt. 14) 13 p. 9 tables; 16 ref. Summary (In)

IRRIGATED RICE; PHOSPHATE FERTILIZERS; POTASH FERTILIZERS; TECHNOLOGY; PRODUCTION INCREASE; SULAWESI.

0744 PANDIANGAN, S. Evaluation of radish (*Rhapanus sativus* L.), mustard (*Sinapis alba* L) and winter wheat (*Triticum aestivum* L.) for recovering residual-soil nitrate/ Pandiangan, S.. Visi (Indonesia) ISSN 0853-0203 (2002) v. 10(2) p. 101-117 15 tables., 24 ref. Summary (In)

RAPHANUS SATIVUS; TRITICUM AESTIVUM; SOIL FERTILITY; NITRATES; RESIDUAL EFFECTS; NITROGEN FERTILIZERS; APPLICATION RATES.

0745 TAKAHASHI, H. Nutrient analysis of vegetables grown in Candi Kuning, Bali (Indonesia)/Takahashi, H.. Highland vegetable cultivation in Indonesia: a multi-disciplinary study towards eco-ecofarming/Fujimoto, A.;

Abdullah, K.(eds.) . Tokyo (Japan): Word Planning, 2001 p. 275-282 9 tables; 4 ref.

VEGETABLE CROPS; INORGANIC FERTILIZERS; ORGANIC FERTILIZERS; SOIL CHEMICOPHYSICAL PROPERTIES; PLANT NUTRITION; BALI.

0746 TAKAHASHI, H. Production of bokashi fertilizer and its effects on vegetable growing/Takahashi, H.. Highland vegetable cultivation in Indonesia: a multi-disciplinary study towards eco-ecofarming/Fujimoto, A.; Abdullah, K.(eds.) . Tokyo (Japan): Word Planning, 2001 p. 295-304 2 ill., 9 tables; 6 ref.

VEGETABLE CROPS; ORGANIC FERTILIZERS; FORMULATIONS; SOIL CHEMICOPHYSICAL PROPERTIES; PLANT NUTRITION; GROWTH; YIELDS.

F06 IRRIGATION / IRIGASI

0747 FAGI, A.M. . [Anomaly of climate and production of rice]. Anomali iklim dan produksi padi/Fagi, A.M.; Las, I.; Pane, H.; Abdulrachman, S.; Widiarta, I N.; Baehaki; Nugraha, U.S. (eds.) Balai Penelitian Tanaman Padi, Sukamandi (Indonesia). Sukamandi (Indonesia): BALITPA, 2002 39 p. 6 ill., 5 tables; 11 ref.

ORYZA SATIVA; IRRIGATED LAND; RAINFED FARMING; DROUGHT; WATER MANAGEMENT; HIGH YIELDING VARIETIES; INTEGRATED CONTROL; CROP MANAGEMENT; CLIMATE.

0748 RACHMAN, B. Irrigation institution in the perspective of regional outonomy. Kelembagaan irigasi dalam perspektif otonomi daerah/Rachman, B. (Pusat Penelitian Sosial Ekonomi Pertanian, Bogor (Indonesia)); Pasandaran, E.; Kariyasa, K.. Jurnal Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4418 (2002) v. 21(3) p. 109-114 1 ill., 13 ref. Summaries (En, In)

IRRIGATION; WATER MANAGEMENT; WATER SUPPLY; COSTS; WATER RIGHTS.

0749 SARAGIH, S. [Application of one direction water system on rice farming system

in acid sulphates tidal swamp land]. Penerapan sistem tata air satu arah pada usahatani padi di lahan rawa pasang surut sulfat masam/Saragih, S.; NoorGINAYuwati; Murwati; Amali, N.; Rina, Y.; Bambang P.; Alwi, M.; Maskartinah; Saderi, D.I. (Balai Pengkajian Teknologi Pertanian Kalimantan Selatan, Banjarbaru (Indonesia)). [Compilation Papers of Expose and Seminar on Specific Location Technology]. Kumpulan Makalah Ekspose dan Seminar Teknologi Spesifik Lokasi/Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia) . Jakarta (Indonesia): Badan Litbang Pertanian, 2002 (pt. 8) 18 p. 12 ill, 1 table; 10 ref.

ORYZA SATIVA; FARMING SYSTEMS; WATER MANAGEMENT; SWAMP SOILS; ECONOMIC ANALYSIS; TECHNOLOGY.

F07 SOIL CULTIVATION / PENGOLAHAN TANAH

0750 JAYA, A. Utilization of deep tropical peatland for agriculture in Central Kalimantan, Indonesia/Jaya, A.; Sulistiyanto, Y.; Jagau, Y. (Universitas Palangka Raya (Indonesia)); Rieley, J.O.; Artiningsih, T.. Peatlands for people: natural resource functions and sustainable management: Proceedings of the International Symposium on Tropical Peatlands/Rieley, J.O.; Page, S.E.; Setiadi, B. (eds.) Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2002 p. 125-131 22 ref. Summary (En)

AGRICULTURAL SECTOR; PEATLANDS; DEEP TILLAGE; SOIL CHEMICOPHYSICAL PROPERTIES; LAND USE; SOIL BIOLOGY; WATER MANAGEMENT; KALIMANTAN.

0751 KOMAMURA, M. Water use planning and upland irrigation in Candi Kuning village, Bali (Indonesia)/Komamura, M.. Highland vegetable cultivation in Indonesia: a multi-disciplinary study towards eco-ecofarming/Fujimoto, A.; Abdullah, K.(eds.) . Tokyo (Japan): Word Planning, 2001 p. 183-194 10 ill., 5 tables

CROPS; IRRIGATION; WATER USE; HIGHLANDS; SOIL CHEMICOPHYSICAL PROPERTIES; SOIL WATER CONTENT; BALI.

F08 CROPPING PATTERNS AND SYSTEMS / POLA TANAM DAN SISTEM PENANAMAN

0752 AMAR, A.L. [Effect of mixed cropping on the production of legumes, maize and *Desmanthus genotypes*]. Pengaruh kombinasi tanaman terhadap produksi bahan kering hijauan jagung dan dua genotype *Desmanthus*/Amar, A.L. (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Agroland (Indonesia) ISSN 0854-641X (2000) v. 7(1) p. 73-82 2 ill., 2 tables; 16 ref. Summaries (En, In)

GREEN FEED; ZEA MAYS; DESMANTHUS; GENOTYPES; MIXED CROPPING; FEED PRODUCTION; YIELDS.

0753 AMIN, S. [Deep bed drying of cocoa bean]. Pengeringan lapis tebal biji kakao/Amin, S.(Pusat Pengkajian dan Penerapan Teknologi Agroindustri, Jakarta (Indonesia)). Jurnal Sains dan Teknologi Indonesia (Indonesia). Agroindustri dan Pertanian ISSN 1410-9409 (2001) v. 3(3) p. 27-31 2 ill.; 7 ref. Summary (En)

COCOA BEANS; DRYING; DRYERS; TEMPERATURE.

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KAEMPFERIA; ZEA MAYS; ARACHIS HYPOGAEA; MONOCULTURE; MULTIPLE CROPPING; SEED TREATMENT; SPACING; FERTILIZER APPLICATION; HARVESTING DATE; ECONOMIC ANALYSIS.

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F30 PLANT GENETICS AND BREEDING / GENETIKA DAN PEMULIAAN TANAMAN

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PIPER BETLE; ALOE VERA; RICINUS COMMUNIS; PIPER RETROFRACUM; DRUG PLANTS; CHEMICAL COMPOSITION; PROXIMATE COMPOSITION; USES.

F61 PLANT PHYSIOLOGY - NUTRITION / FISIOLOGI TANAMAN-NUTRISI

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KALIMANTAN; SOLAR RADIATION; PHOTOSYNTHESIS; CANOPY; CLIMATIC FACTORS; WATERSHEDS; PEATLANDS; SWAMPS.

H01 PROTECTION OF PLANT-GENERAL ASPECTS / PERLINDUNGAN TANAMAN - ASPEK-ASPEK UMUM

0781 DIREKTORAT JENDERAL BINA PRODUKSI PERKEBUNAN. [Estate Protection Directorate Policy to support plantation industrial area society development]. Kebijakan Direktorat Perlindungan Perkebunan mendukung pengembangan kimbun/Direktorat Jenderal Bina Produksi Perkebunan, Jakarta (Indonesia). [Meeting on the Evaluation the Implementation of Industrial Area of Plantation Society]. Pertemuan Evaluasi Rencana Pelaksanaan Kimbun (Kawasan Industri Masyarakat Perkebunan)/Direktorat Jenderal Bina Produksi Perkebunan, Jakarta (Indonesia). Jakarta (Indonesia): Ditjen Bina Produksi Perkebunan, 2002 (pt. 5) p. 1-9 Appendices.

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H10 PESTS OF PLANTS / HAMA TANAMAN

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0786 DIREKTORAT PERLINDUNGAN HORTIKULTURA. . [Identification and control of leaf eating insect, *Liriomyza* spp.]. Pengenalan dan pengendalian hama lalat pengorok daun *Liriomyza* spp. / Direktorat Perlindungan Hortikultura, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Perlindungan Hortikultura, 2002 27 p. 8 ill., 7 ref.

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GEOGRAPHICAL DISTRIBUTION; HOSTS; PEST CONTROL; NATURAL ENEMIES; BOTANICAL PESTICIDES.

0787 DIREKTORAT PERLINDUNGAN HORTIKULTURA. . [Fruitfly attack maps]. Peta lalat buah/Direktorat Perlindungan Hortikultura, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Perlindungan Hortikultura, 2002 47 p. 4 ill., 11 tables; Appendices

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0788 DIREKTORAT PERLINDUNGAN HORTIKULTURA. . [Guidance of integrated pest control on citrus]. Pedoman pengendalian hama terpadu tanaman jeruk/Direktorat Perlindungan Hortikultura, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Perlindungan Hortikultura, 2002 136 p. 14 ill., 5 ref.

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0789 DIREKTORAT PERLINDUNGAN HORTIKULTURA. . [Guidance for introduction and control of pests and diseases on fruit crops; bananas, mangoes and rambutan]. Pedoman pengenalan dan pengendalian organisme pengganggu tumbuhan (OPT) pada tanaman buah-buahan/ Direktorat Perlindungan Hortikultura, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Perlindungan Hortikultura, 2002 70 p. 8 ill., 6 ref.

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mango, and banana)]. Pedoman penerapan pengendalian hama terpadu hortikultura (tanaman jeruk, mangga, dan pisang)/ Direktorat Perlindungan Tanaman, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Perlindungan Tanaman, 2000 70 p. 1 table; 15 ref.

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0791 HIDAYAT, Y. . Insecticidal activity of *Tithonia diversifolia* Grey to *Plutella xylostella* Linn : Research report. Aktivitas insektisida *Tithonia diversifolia* Grey terhadap *Plutella xylostella* Linn : laporan penelitian/Hidayat, Y.; Susniahti, N.; Susanto, A. Universitas Padjadjaran, Bandung (Indonesia). Fakultas Pertanian. Bandung (Indonesia): UNPAD, 2001 27 p. 1 ill., 5 tables.; 16 ref. Summaries (En;In) Appendices

BRASSICA OLERACEA; TITHONIA DIVERSIFOLIA; PLUTELLA XYLOSTELLA; BOTANICAL INSECTICIDES; PLANT EXTRACTS; MORTALITY.

0792 KARINDAH, S. Exploration of egg parasitoid of sugarcane topborer *Tryporyza nivella intacta* Sn. in Java (Indonesia). Eksplorasi parasitoid telur penggerek pucuk tebu *Tryporyza novella intacta* Sn. di Jawa/Karindah, S.; Rahardjo, B.T.; Mudjiono, G. (Universitas Brawijaya, Malang (Indonesia). Fakultas Pertanian); Achadian, E.M.; Juliadi, D.. Jurnal Ilmu-Ilmu Hayati (Indonesia) ISSN 1410-413X (2002) v. 14(1) p. 11-16 8 ref. Summaries (En,In), Appendices

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0793 LINA, E.C. Evaluation of insecticidal activity of *Meliaceous* plant extracts against *Crociodolomia binotalis* Zeller (*Lepidoptera: Pyralidae*). Pengujian aktivitas insektisida ekstrak tumbuhan *Meliaceae* terhadap *Crociodolomia binotalis* Zeller (*Lepidoptera: Pyralidae*)/Lina, E.C.; Prijono, D.(Institut Pertanian Bogor (Indonesia). Fakultas Pertanian). Buletin Hama dan Penyakit Tumbuhan (Indonesia) ISSN 0854-3836

(1999) v. 11(1) p. 32-38 3 tables; 26 ref. Summaries (En, In) AGLAIA; EXTRACTS; LEAVES; INSECTICIDES; CROCIDOLOMIA BINOTALIS; BOTANICAL; LARVAE; MORTALITY.

0794 MAMIJAYA, M.Z. [Control method of rice pest in tidal swamp land at South Kalimantan (Indonesia)]. Cara ampuh mengendalikan hama putih palsu di lahan pasang surut Kalimantan Selatan/Mamijaya, M.Z.; Humairie, R. (Balai Penelitian Tanaman Pangan Lahan Rawa, Banjarbaru (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2001) v. 23(2) p. 8-10 1 table

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

0795 MULYAMAN, S. . [Introducing botanical pesticide of horticulture crops]. Pengenalan pestisida nabati tanaman hortikultura/Mulyaman, S.; Cahyaniati; Adam, I.; Mustofa, T. Direktorat Perlindungan Tanaman, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Perlindungan Tanaman, 2000 49 p. 19 ref. Appendices.

HORTICULTURE; BOTANICAL PESTICIDES; PLANT EXTRACTS; PESTICIDAL PROPERTIES; INTEGRATED CONTROL.

0796 OHSAWA, K. Synthetic and biopesticide for vegetable production in Bali (Indonesia)/Ohsawa, K.. Highland vegetable cultivation in Indonesia: a multi-disciplinary study towards eco-ecofarming/Fujimoto, A.; Abdullah, K.(eds.) . Tokyo (Japan): Word Planning, 2001 p. 315-320 3 tables; 4 ref.

VEGETABLE CROPS; BIOPESTICIDES; MARKETING; USES; YIELDS; BOTANICAL PESTICIDES; BALI.

0797 OHSAWA, K. Use of pesticides in vegetable production/Ohsawa, K. Highland vegetable cultivation in Indonesia: a multi-disciplinary study towards eco-ecofarming/Fujimoto, A.; Abdullah, K.(eds.) . Tokyo (Japan): Word Planning, 2001 p. 257-267 6 tables; 1 ref.

VEGETABLE CROPS; PESTICIDES; RESIDUES; SOIL POLLUTION; BALI.

0798 PUSAT PENELITIAN DAN PENGEMBANGAN TANAMAN PANGAN BOGOR [Integrated rodent control in tidal swamp land]. Pengendalian tikus terpadu di lahan pasang surut/Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor (Indonesia). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2001) v. 23(2) p. 17 1 table

ORYZA SATIVA; RODENT CONTROL; FUMIGATION; TIDES.

0799 RAUF, A. Potato farmers perception and control action toward the leafminer fly, *Liriomyza huidobrensis* (Blanchard)(Diptera: Agromyzidae). Persepsi dan tindakan petani kentang terhadap lalat pengorok daun, *Liriomyza huidobrensis* (Blanchard)(Diptera: Agromyzidae)/Rauf, A.(Institut Pertanian Bogor (Indonesia). Fakultas Pertanian). Buletin Hama dan Penyakit Tumbuhan (Indonesia) ISSN 0854-3836 (1999) v. 11(1) p. 1-13 14 tables; 24 ref. Summaries (En, In)

SOLANUM TUBEROSUM; LIRIOMYZA HUIDOBRENSIS; INSECTICIDES; PEST CONTROL; FARMERS; SENSES.

0800 ROJAK, A. [Monitoring and control of *Lophobaris piperis* on pepper plantation]. Pengamatan dan pengendalian populasi hama penggerek batang (*Lophobaris piperis*) pada tanaman lada/Rojak, A. (Kebun Percobaan Tanaman Rempat dan Obat, Sukamulya, Sukabumi (Indonesia)). Buletin Teknik Pertanian (Indonesia) ISSN 0853-8379 (2002) v. 7(2) p. 77-79 1 table; 5 ref.

PIPER NIGRUM; STEM EATING INSECTS; PEST CONTROL.

0801 SIANIPAR, M.S. . [Toxicity of kirinyu (*Chromolaena odorata*) leaf extract on the diamond back moth (*Plutella xylostella*)]. Kemampuan ekstrak daun kirinyu (*Chromolaena odorata*) terhadap populasi ulat daun kubis (*Plutella xylostella*)/Sianipar, M.S.; Susanto, A.; Hidayat, Y. Universitas Padjadjaran, Bandung (Indonesia) . Bandung (Indonesia): UNPAD, 2002 30 p. 6 ill., 9 ref. Summaries (En, In)

CHROMOLAENA ODORATA; PLUTELLA XYLOSTELLA; DRUG PLANTS; BOTANICAL PESTICIDES; PEST CONTROL.

0802 SUKARTANA, P. Pathogenicity of two species of entomopathogenic agents to subterranean termite *Coptotermes gestroi* Wasmann (*Isoptera: Rhinotermitidae*) in laboratory. Patogenisitas dua spesies mikroba entomopatogen terhadap rayap tanah *Coptotermes gestroi* Wasmann (*Isoptera: Rhinotermitidae*)/Sukartana, P.; Rushelia, R.(Pusat Penelitian Hasil Hutan, Bogor (Indonesia))Rumini, W.. Buletin Hama dan Penyakit Tumbuhan (Indonesia) ISSN 0854-3836 (2000) v. 12(1) p. 17-20 1 ill., 22 ref. Summaries (En, In)

COPTOTERMES; ENTOMOGENOUS FUNGI; METARHIZIUM ANISOPLIAE; BACILLUS THURINGIENSIS; PATHOGENICITY; MORTALITY.

0803 SUMIARTHA, K. Pest insects and their damage/Sumiarta, K. (Universitas Udayana, Denpasar (Indonesia)); Tachikawa, S.. Highland vegetable cultivation in Indonesia: a multi-disciplinary study towards ecoecofarming / Fujimoto, A.; Abdullah, K.(eds.) . Tokyo (Japan): Word Planning, 2001 p. 237-244 2 ill., 7 ref.

VEGETABLE CROPS; PEST INSECTS; PEST CONTROL; CONTROL METHODS; SURVEYS; BALI.

0804 UTAMI, L.S. . [Guidance of application of biological control agents on pest and disease control on vegetable crops]. Pedoman penerapan agens hayati dalam pengendalian OPT tanaman sayuran/Utami, L.S.; Hikmat, A.; Adam, I.; Chalid, N.I.; Railan, M.; Daryanto; Noerjati, R.C. Direktorat Perlindungan Hortikultura, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Perlindungan Hortikultura, 2001 57 p. 8 ref.

VEGETABLE CROPS; INTEGRATED CONTROL; BIOLOGICAL CONTROL AGENTS; ISOLATION TECHNIQUES; PLANT INTRODUCTION; NATURAL ENEMIES.

0805 UTAMI, L.S. . [Guidance of integrated pest control application on chili agribusiness].

Pedoman penerapan PHT pada agribisnis tanaman cabai/Utami, L.S.; Hikmat, A.; Adam, I.; Cholid, N.I.; Railan, M.; Daryanto; Noerjati, R. Direktorat Perlindungan Hortikultura, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Perlindungan Hortikultura, 2001 62 p. 5 ref. Appendices

CAPSICUM ANNUUM; INTEGRATED CONTROL; CULTIVATION; SEED TREATMENT; FUSARIUM; RHIZOCTONIA; THRIPS; MYZUS PERSICAE; POLYPHAGOTARSONEMUS LATUS; PSEUDOMONAS SOLANACEARUM; AGROINDUSTRIAL SECTOR.

H20 PLANT DISEASES / PENYAKIT TANAMAN

0806 CAHYANIATI. . [Identification and control of seed diseases]. Pengenalan dan pengendalian penyakit benih/Cahyaniati; Hikmat, A.; Mustofa, T.; Elvinardewi, E.; Raga, I N.; Kustaryati, A.; Chalid, N.I.; Karyatiningsih, R.; Alimoeso, S. Direktorat Bina Perlindungan Tanaman, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Bina Perlindungan Tanaman, 1999 32 p. 22 ill., 23 ref.

VEGETABLE CROPS; SEEDBORNE ORGANISMS; ALTERNARIA BRASSICICOLA; LEPTOSPHERIA MACULANS; SCLEROTINIA SCLEROTIUM; PSEUDOMONAS SOLANACEARUM; ALTERNARIA; COLLETOTRICHUM; SEED TREATMENT; DISEASE CONTROL.

0807 DIREKTORAT BINA PERLINDUNGAN TANAMAN. . [Recognizing and controlling wilt disease]. Pengenalan dan pengendalian penyakit layu/ Direktorat Bina Perlindungan Tanaman, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Perlindungan Tanaman, 1999 40 p. 7 ill., 29 ref.

HORTICULTURE; DISEASE CONTROL; WILTS; PSEUDOMONAS SOLANACEARUM; ERWINIA; FUSARIUM OXYSPORUM; VERTICILLIUM ALBOATRUM; CORTICIUM ROLFSII; HOSTS; SYMPTOMS.

0808 DIREKTORAT BINA PERLINDUNGAN TANAMAN. . [Introducing and controlling plant-disturbing organisms of papain, mango, pineapple, salacca and banana]. Pengenalan dan pengendalian organisme pengganggu tumbuhan (OPT) pepaya manggis nenas salak dan pisang/Direktorat Bina Perlindungan Tanaman, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Bina Perlindungan Tanaman, 2000 52 p. 6 ill.; 10 ref.

CARICA PAPAYA; MANGIFERA INDICA; ANANAS COMOSUS; SALACCA EDULIS; MUSA; PESTS OF PLANTS; PLANT DISEASES; DISEASE TRANSMISSION; SYMPTOMS; HOSTS; DISEASE CONTROL; PEST CONTROL.

0809 DIREKTORAT BINA PERLINDUNGAN TANAMAN. . [Introduction and control of pests/disease of drug plant]. Pengenalan dan pengendalian organisme pengganggu tumbuhan (OPT) tanaman obat/Direktorat Bina Perlindungan Tanaman, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Bina Perlindungan Tanaman, 1999 41 p. 7 ill., 19 ref.

ZINGIBER OFFICINALE; CURCUMA XANTHORRHIZA; KAEMPFERIA; CURCUMA LONGA; PSEUDOMONAS SOLANACEARUM; RHIZOCTONIA SOLANI; FUSARIUM; PHYLLOSTICTA; AGROTIS IPSILON; CHRYSODENIS; PHYTHIUM; CURVULARIA; SORTICIUM ROLFSII; EPIDEMIOLOGY; DISEASE CONTROL; PEST CONTROL.

0810 NATSUAKI, K.T. Main vegetable diseases and their control/ Natsuaki, K.T.; Arya, N.. Highland vegetable cultivation in Indonesia : a multi-disciplinary study towards eco-ecofarming/Fujimoto, A.; Abdullah, K.(eds.) . Tokyo (Japan): Word Planning, 2001 p. 245-255 2 tables; 13 ref.

VEGETABLE CROPS; PLANT DISEASES; DISEASE CONTROL; CONTROL METHODS; SURVEYS; BALI.

0811 RUSLI, E.S. Geminivirus infecting pepper: symptom variation and transmission study. Virus gemini pada cabai: variasi gejala dan studi cara penularan/Rusli, E.S.(Pusat Karantina Pertanian, Jakarta (Indonesia)); Hidayat, S.H.; Suseno, R.; Tjahjono, B.

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CAPSICUM ANNUUM; GEMINIVIRUSES; VECTORS; GRAFTING; SOLANACEAE; DISEASE TRANSMISSION; SYMPTOMS.

0812 SUSANTO, A. Recent status of basal stem rot (*Ganoderma boninense*) and diversity biocontrol agents population on oil palm plantation in Indonesia. Status terkini penyakit busuk pangkal batang (*Ganoderma boninense*) dan keragaman populasi agens biokontrol pada kebun kelapa sawit di Indonesia/Susanto, A. (Pusat Penelitian Kelapa Sawit, Medan (Indonesia)); Sudharto. Jurnal Penelitian Pertanian (Indonesia) ISSN 0152-1197 (2002) V. 21(1) p. 53-63 1 ill., 4 tables.; 13 ref. Summaries (En,In)

ELAEIS GUINEENSIS; GANODERMA; BIOLOGICAL CONTROL AGENTS; MICROORGANISMS.

H60 WEEDS AND WEED CONTROL/ GULMA DAN PENGENDALIAN GULMA

0813 MIYAURA, R. Utilization of weeds and alternative technology for sustainable farming systems in Candi Kuning, Bali (Indonesia)/ Miyaura, R.. Highland vegetable cultivation in Indonesia: a multi-disciplinary study towards eco-ecofarming / Fujimoto, A.; Abdullah, K.(eds.) . Tokyo (Japan): Word Planning, 2001 p. 321-330 2 ill., 1 table; 7 ref.

VEGETABLE CROPS; WEEDS; USES; FARMING SYSTEMS; TECHNOLOGY; SUSTAINABILITY; BALI.

0814 MIYAURA, R. Weed distribution and its control in highland Indonesia: the case of West Java and Bali (Indonesia)/Miyaura, R.. Highland vegetable cultivation in Indonesia: a multi-disciplinary study towards eco-ecofarming/Fujimoto, A.; Abdullah, K.(eds.) . Tokyo (Japan): Word Planning, 2001 p. 263-274 3 ill., 4 tables; 4 ref.

VEGETABLE CROPS; WEED CONTROL; FLORA; CONTROL METHODS; DRY SEASONS; HIGHLANDS; WEST JAVA; BALI.

J10 HANDLING, TRANSPORT, STORAGE AND PROTECTION OF AGRICULTURAL PRODUCTS / PENANGANAN, TRANSPOR, PE- NYIMPANAN DAN PERLINDU- NGAN HASIL PERTANIAN

0815 DIREKTORAT JENDERAL BINA PENGOLAHAN DAN PEMASARAN HASIL PERTANIAN. [Postharvest handling of rice]. Penanganan pasca panen padi/ Direktorat Jenderal Bina Pengolahan dan Pemasaran Hasil Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): Dirjen Bina Pengolahan dan Pemasaran Hasil Pertanian, 2002 14 p. 10 ill

ORYZA SATIVA; HARVESTING; HARVESTING DATE; POSTHARVEST EQUIPMENT; POSTHARVEST TECHNOLOGY.

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

0816 ABDULLAH, K. Postharvest processing with renewable energy/ Abdullah, K.; Mahendra, M.S. (Institut Pertanian Bogor (Indonesia)); Armansyah, H.T.. Highland vegetable cultivation in Indonesia: a multi-disciplinary study towards eco-ecofarming/ Fujimoto, A.; Abdullah, K.(eds.) . Tokyo (Japan): Word Planning, 2001 p. 403-416 7 ill., 3 tables; 9 ref.

VEGETABLES; POSTHARVEST TECHNOLOGY; RENEWABLE ENERGY; QUALITY; PROCESSING; STORAGE; POSTHARVEST EQUIPMENT.

0817 CHIACHIN, K. Maintenance of postharvest quality for vegetables/ Chiachin, K.; Wijaya, H.. Highland vegetable cultivation in Indonesia : a multi-disciplinary study towards eco-ecofarming / Fujimoto, A.; Abdullah, K.(eds.) . Tokyo (Japan): Word Planning, 2001 p. 391-401 3 ill., 5 tables; 3 ref.

VEGETABLES; QUALITY; POSTHARVEST TECHNOLOGY; TEMPERATURE; RELATIVE HUMIDITY;

POSTHARVEST PHYSIOLOGY; COSTS; BALI.

0818 DIREKTORAT KACANG-KACANGAN DAN UMBI-UMBIAH. . [Guidance for postharvest technology of cassava]. Pedoman teknologi pascapanen ubikayu/ Direktorat Kacang-kacangan dan Umbi-umbian, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Kacang-kacangan dan Umbi-umbian, 2002 63 p. 9 ill., 6 tables.

CASSAVA; MANIHOT ESCULENTA; HARVESTING; POSTHARVEST TECHNOLOGY; HARVESTERS; STORAGE; FOOD TECHNOLOGY; QUALITY; PACKAGING; PROCESSING.

0819 MATSUMOTO, S. Feasibility of vegetable processing in desa Candi Kuning Bali (Indonesia)/Matsumoto, S.. Highland vegetable cultivation in Indonesia: a multidisciplinary study towards eco-ecofarming/ Fujimoto, A.; Abdullah, K.(eds.) . Tokyo (Japan): Word Planning, 2001 p. 417-428 4 ill., 4 ref.

VEGETABLES; PROCESSING; FOODS; PRESERVATION; RAW MATERIALS; APPROPRIATE TECHNOLOGY; FEASIBILITY STUDIES; BALI.

J12 HANDLING, TRANSPORT, STORAGE AND PROTECTION OF FOREST PRODUCTS/PENANGANAN, TRANSPOR, PENYIMPANAN DAN PERLINDUNGAN HASIL HUTAN

0820 ANON. [Preservation of wood]. Mengawetkan kayu/Anon. Media Perkebunan (Indonesia) ISSN 0215-1278 (2002) (no.40) p. 40 1 ill.

WOOD PRESERVATION; CHEMICAL CONTROL; APPLICATION METHODS.

J14 HANDLING, TRANSPORT, STORAGE AND PROTECTION OF ANIMAL PRODUCTS / PENANGANAN, TRANSPOR, PENYIMPANAN DAN PERLINDUNGAN HASIL PERIKANAN DAN BUDI-DAYA PERAIRAN

0821 SUDRAJAT, Y. [Bacteriofiltration system as water supply sources on life fish reservoir]. Sistem bakteriofiltrasi sebagai sarana pasokan air pada penampungan ikan hidup/Sudrajat, Y.; Gunawan, B. (Pusat Riset Pengolahan Produk dan Sosial Ekonomi Kelautan dan Perikanan, Jakarta (Indonesia)). Buletin Teknik Pertanian (Indonesia) ISSN 0853-8379 (2002) v. 7(2) p. 48-50 2 ill., 1 tables; 4 ref.

FISH; ADAPTATION; WATER RESERVAOIR; BACTERIA; FILTRATION; TOXIC SUBSTANCES.

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

0822 RAMDAN, H. Forest resources in watershed perspective/Ramdan, H.; Hilmi, E.(Universitas Winaya Mukti, Jatinangor (Indonesia). Fakultas Kehutanan). Majalah Ilmiah Universitas Winaya Mukti (Indonesia) ISSN 0853-7692 (2000) v. 12(12) p. 11-18 1 ill., 5 ref. Summary (En).

FOREST RESOURCES; WATERSHED MANAGEMENT; ECONOMIC RESOURCES; FOREST MANAGEMENT.

K10 FORESTRY PRODUCTION / PRODUKSI HUTAN

0823 SARI, W. . [Effect of number of tree per plot on accurateness level in estimating stand volume of teak (*Tectona grandis* LF) using tree sampling method in BKPH Ujung Jaya, KPH Sumedang Perum Perhutani Unit III, West Java). Pengaruh jumlah pohon perpetak terhadap tingkat ketelitian dalam pendugaan volume tegakan jati (*Tectona grandis* LF) dengan metode petak berubah di BKPH Ujung Jaya KPH Sumedang Perum Perhutani Unit III Jawa Barat/Sari, W.; Sastramiharja, M. Universitas Winaya Mukti, Sumedang (Indonesia). Fakultas Kehutanan. Sumedang (Indonesia): Univ. Winaya Mukti, 2000 34 p. 2 ill., 10 tables; 12 ref. Appendices.

TECTONA GRANDIS; PLANT POPULATION; FOREST STANDS; VOLUME TABLES; DIAMETER; AGE STRUCTURE; SAMPLING; JAVA.

K50 PROCESSING OF FOREST PRODUCTS / PENGOLAHAN HASIL HUTAN

0824 ADIYANTORO, M. . [Randomized block design application with sub-sampling on research of the effect of harvest method of *Melaleuca leucadendron* leaves on work achievement and oil rendemen]. Penerapan rancangan acak kelompok dengan sub sampling dalam penelitian pengaruh cara pemungutan daun kayu putih terhadap prestasi kerja dan rendemen minyak/Adiyantoro, M.; Sastramihardja, H.M. Universitas Winaya Mukti, Sumedang (Indonesia). Fakultas Kehutanan. Sunedang (Indonesia): UNWIM, 1999 34 p. 10 tables; 14 ref. Appendices.

MELALEUCA LEUCADENDRON;
PRODUCTIVITY; HARVESTING;
HARVESTING FREQUENCY; YIELDS.

L01 ANIMAL HUSBANDRY / PETERNAKAN

0825 DIREKTORAT BUDIDAYA PETERNAKAN. . [Technical guidance of quail culture]. Pedoman teknis budidaya burung puyuh / Direktorat Budidaya Peternakan, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Budidaya Peternakan, 2002 24 p. 6 ill., 5 tables.

QUAILS; SPECIES; POULTRY; FARMING;
POULTRY; EQUIPMENT; ANIMAL BREEDING;
ANIMAL FEEDING; FEEDING SYSTEMS;
ECONOMIC ANALYSIS.

0826 PRASETYO, H. [MA (Mojosari and Alabio) duck: new breeds for egg producers]. Itik niaga MA : Pendatang baru penghasil telur/Prasetyo, H. (Balai Penelitian Ternak, Ciawi-Bogor (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2002) v. 24(4) p. 18-19 2 ill., 1 table

DUCKS; SPECIES; BREEDS; EGG PRODUCTION.

L02 ANIMAL FEEDING / PAKAN TERNAK

0827 AKHADIARTO, S. [Use of local feed for broiler performance]. Penggunaan pakan berbahan baku lokal terhadap performan ayam broiler/ Akhadiarto, S.; Rofiq, M.N.(Pusat Pengkajian dan Penerapan Teknologi

Budidaya Pertanian, Jakarta (Indonesia)). Jurnal Sains dan Teknologi Indonesia (Indonesia). Edisi Agroindustri dan Pertanian ISSN 1410-9409 (2001) v. 3(3) p. 20-26 4 ill.; 6 tables; 9 ref. Summary (En)

BROILER CHICKENS; FEEDS;
CONCENTRATES; ANIMAL PERFORMANCE;
USES; FEED CONVERSION EFFICIENCY.

0828 ASKAR, S. [Effect of Zinc methionine addition on *in vitro* rumen simulation on volatile fatty acids production]. Pengaruh penambahan Zink methionine ke dalam simulasi rumen secara *in vitro* terhadap produksi asam lemak/Askar, S.; Abdurachman (Balai Penelitian Ternak, Ciawi-Bogor (Indonesia)). Buletin Teknik Pertanian (Indonesia) ISSN 0853-8379 (2002) v. 7(2) p. 69-72 1 ill., 2 tables; 10 ref.

SHEEP; FEEDS; ZINC; METHIONINE; IN VITRO EXPERIMENTATION;
RUMEN DIGESTION; VOLATILE FATTY ACID;
PRODUCTION.

0829 BUDIHARTO, B. [Alternative feed technology for rams fattening]. Teknologi pakan alternatif: untuk penggemukan domba jantan/Budiharto, B.; Bahri, S.; Sutanto, A. (Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia)). [Report on the Appreciation Activity of Recommended Technology Development]. Laporan Hasil Kegiatan Apresiasi Pengembangan Teknologi Rekomendasi/Budiharto, B.; Bahri, S.; Sutanto, A. Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia). Ungaran (Indonesia): BPTP, 2000 p. 1-10 3 ill., 1 table; 6 ref.

RAMS; FATTENING; CONCENTRATES;
FORAGE; FEEDING FREQUENCY;
PROXIMATE COMPOSITION; WEIGHT GAIN;
TECHNOLOGY TRANSFER.

0830 HAFSAH. [Response of broiler chickens on rumen content as rations substitute on feed]. Respon ayam broiler pada penggunaan limbah RPH (isi rumen) sebagai substitusi sebagian ransum basal dalam pakan/Hafsah; Sarjuni, S. (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Agroland (Indonesia) ISSN 0854-641X (2000) v. 7(1) p. 91-97 3 tables; 8 ref. Summaries (En, In)

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

0831 HERDIS. [Use of organic feed, Lactogrand and Lactomin, for PO type cows in Simo, Boyolali]. Pengaruh pemanfaatan pakan ternak organik Lactogrand dan Lactomin pada peternakan sapi ongol di Kec. Simo Kabupaten Boyolali/Herdis; Surachman, M.(Deputi Bidang Teknologi Agroindustri dan Bioteknologi, Jakarta (Indonesia)). Jurnal Sains dan Teknologi Indonesia (Indonesia). Edisin Agroindustri dan Pertanian ISSN 1410-9409 (2001) v. 3(3) p. 42-46 4 tables; 5 ref. Summary (En).

COWS; CROSSBREDS; FATTENING;
FEEDS; NUTRITIVE VALUE; WEIGHT
GAIN; PRODUCTION COSTS; USES;
JAVA.

0832 HERMAN, I. [Local agricultural products and wastes utilization as complete rations materials to accelerate ruminants productivity at Sukarapih Village, District of Sukasari, Sumedang (Indonesia)]. Pemanfaatan produk dan limbah pertanian lokal sebagai bahan penyusun ransum komplit untuk memacu produktivitas ternak ruminansia di Desa Sukarapih Kecamatan Sukasari Kabupaten Sumedang/Herman, I.; Tanuwiria, U.H.; Budiman, A.; Latipudin, D. (Universitas Padjadjaran, Bandung, (Indonesia). Fakultas Peternakan). Jurnal Pengabdian Kepada Masyarakat (Indonesia) ISSN 1410-5675 (2002) v. 10(4) p. 16-19 7 ref. Summary (In)

GOATS; RUMINANTS; AGRICULTURAL
WASTES; RATIONS.

0833 HIDAYAT, Y. Potential test of seedlot *Calliandra calothyrsus* Meisner as feed . Uji potensi seedlot *Calliandra calothyrsus* Meisner untuk pakan ternak/Hidayat, Y. (Universitas Winaya Mukti, Jatinangor (Indonesia). Fakultas Kehutanan); Juwanto. Majalah Ilmiah Universitas Winaya Mukti (Indonesia) ISSN 0853-7692 (2000) v. 12(12) p. 19-21, 48 6 tables., 9 ref. Summary (In).

CALLIANDRA CALOTHYRSUS; USES;
FEEDS; NITROGEN; PROTEIN CONTENT;

TANNINS; MOISTURE CONTENT.

0834 NASSER, A. [Effect of fermented cacao shell flour mixed with concentrates on carcass weight, carcass percentage, and carcass component weight of sheep]. Pengaruh penggunaan tepung kulit buah kakao fermentasi dalam konsentrat terhadap bobot karkas, persentase karkas dan bobot komponen karkas domba lokal/Nasser, A. (Universitas Tadulako, Palu (Indonesia). Fakultas Pertanian). Jurnal Agroland (Indonesia) ISSN 0854-641X (2000) v. 7(1) p. 83-90 4 tables; 11 ref. Summaries (En, In)

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

0835 RIYANTO, A. Effect of honey supplement on *Mus musculus* mother to the sexual ratio of her baby born. Pengaruh pemberian suplemen madu pada induk mencit terhadap rasio jenis kelamin anaknya/Riyanto, A. (Pusat Penelitian Biologi-LIPI, Bogor (Indonesia). Bidang Zoologi) . Berita Biologi (Indonesia) ISSN 0126-1754 (2001) v. 5(4) p. 439-440 2 tables;

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

L10 ANIMAL GENETICS AND BREEDING / GENETIKA DAN PEMULIAAN TERNAK

0836 BUDIHARTO, B. [Artificial insemination technology on local chickens]. Teknologi inseminasi buatan pada ayam buras/Budiharto, B.; Bahri, S.; Sutanto, A. (Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia)). [Report on the Appreciation Activity of Recommended Technology Development]. Laporan Hasil Kegiatan Apresiasi Pengembangan Teknologi Rekomendasi/Budiharto, B.; Bahri, S.; Sutanto, A. Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia). Ungaran (Indonesia): BPTP, 2000 p. 1-13 11 ill., 3 tables; 5 ref.

CHICKENS; SEMEN; EGGS; ARTIFICIAL
INSEMINATION; EGG HATCHABILITY;
FERTILITY; PRODUCTION; ECONOMIC
ANALYSIS; TECHNOLOGY TRANSFER.

0837 DIREKTORAT PEMBIBITAN. . [Fixed procedure of production and distribution of breed stock ini Institute for Livestock Breeding]. Prosedur tetap produksi dan distribusi bibit ternak di Balai-Balai Pembibitan Ternak Unggul/Direktorat Pembibitan, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Pembibitan, 2002 18 p.

LIVESTOCK; BREEDING STOCK; PRODUCTION; ECONOMIC DISTRIBUTION; CROSSBREEDING; SELECTION; ARTIFICIAL INSEMINATION; EMBRYO TRANSFER.

0838 DIREKTORAT PEMBIBITAN. . [Guidance national livestock breeding] . Pedoman perbibitan ternak nasional/Direktorat Pembibitan, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Pembibitan, 2001 11 p.

LIVESTOCK; BREEDING METHODS; HIGH YIELDING BREEDS; GENETIC RESOURCES; AGROINDUSTRIAL SECTOR; DEVELOPMENT POLICIES.

0839 DIREKTORAT PEMBIBITAN. . [Development of broiler chicken breeding in Indonesia]. Perkembangan pembibitan ayam ras di Indonesia/Direktorat Pembibitan, Jakarta (Indonesia). Jakarta (Indonesia): Direktorat Pembibitan, 2001 52 p. 14 tables; Appendices

CHICKENS; PURE LINES; BREEDS; ANIMAL BREEDING; DEVELOPMENT POLICIES; PARTNERSHIPS; PRODUCTION POSSIBILITIES; IMPORTS; EXPORTS; INDONESIA.

0840 SUBIHARTA. [Study on superior duck from Brebes (Indonesia)]. Itik Brebes unggul/Subiharta; Prasetya, L. H.; Pramono, D.; Iskandar (Balai Pengkajian Teknologi Pertanian Jawa Tengah, Ungaran (Indonesia)). [Compilation Papers of Expose and Seminar on Local Specific Technology]. Kumpulan Makalah Ekspose dan Seminar Teknologi Spesifik Lokasi/Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia). Jakarta (Indonesia): Badan Litbang Pertanian, 2002 (pt. 13) 12 p. 1 ill., 8 tables; 13 ref.

DUCKS; INTENSIVE FARMING; EGG PRODUCTION; ANIMAL

PERFORMANCE; AGROINDUSTRIAL SECTOR; ADAPTATION; JAVA.

L20 ANIMAL ECOLOGY / EKOLOGI HEWAN DARAT

0841 HUSSON, S.J. Effects of illegal logging on the population of orang utan in the Sebangau tropical peat swamp forest, Central Kalimantan (Indonesia)/Husson, S.J.; Morrogh-Bernard, H.C.; McLardy, C.S.; Driscoll, R.; Fear, N.; Page, S.E.. Peatlands for people: natural resource functions and sustainable management: Proceedings of the International Symposium on Tropical Peatlands/Rieley, J.O.; Page, S.E.; Setiadi, B. (eds.) Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2002 p. 35-42 2 tables; 16 ref. Summary (En)

MONKEY; POPULATION DENSITY; NESTING; HABITATS; LOGGING; PEATLANDS; SWAMPS; TROPICAL FORESTS; FOREST ECOLOGY; KALIMANTAN.

L40 ANIMAL STRUCTURE / MORFOLOGI DAN ANATOMI HEWAN

0842 RAFFIUDIN, R. Morphological variation of the Asian honeybee *Apis cerana* (F.F)(*Hymenoptera: Apidae*) in West Java. Keragaman morfologi lebah (*Apis cerana* (F.F)(*Hymenoptera: Apidae*) di Jawa Barat/Raffiudin, R.(Institut Pertanian Bogor (Indonesia). Fakultas Matematika dan Ilmu Pengetahuan Alam); Sosromarsono, S.; Ratna, E.S.; Solihin, D.D.. Buletin Hama dan Penyakit Tumbuhan (Indonesia) ISSN 0854-3836 (1999) v. 11(1) p. 20-25 4 ill., 4 tables; 15 ref. Summaries (En.In)

APIS CERANA; HYMENOPTERA; POPULATION DISTRIBUTION; ANIMAL MORPHOLOGY; BIODIVERSITY; JAVA.

L53 ANIMAL PHYSIOLOGY-REPRODUCTION / FISILOGI TERNAK-REPRODUKSI

0843 DIREKTORAT JENDERAL BINA PRODUKSI PETERNAKAN. . [Fixed procedure of production and distribution of frozen semen]. Prosedur tetap (PROTAP) produksi dan distribusi semen beku/Direktorat Jenderal Bina Produksi Peternakan, Jakarta

(Indonesia). Jakarta (Indonesia): Dirjen Bina Produksi Peternakan, 2000 63 p. 8 ill., 3 tables. Appendix.

BULLS; ANIMAL HUSBANDRY; SEMEN; SEMEN PRESERVATION; ARTIFICIAL INSEMINATION; LABORATORY EQUIPMENT; HANDLING; CONTAINERS; GEOGRAPHICAL DISTRIBUTION.

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

0844 HARLINA, E. *In vitro* study of rabbit endothelial cell cultures in liquid and semisolid media. Studi *in vitro* biakan sel endotel kelinci pada media cair dan semi padat/Harlina, E.; Priosoeryanto, B.P.; Riadi, Y.(Institut Pertanian Bogor (Indonesia). Fakultas Kedokteran Hewan).. Hayati (Indonesia) ISSN 0854-8587 (2003) v.10(1) p. 34-37 4 ill.,12 ref.; Summary (En)

RABBITS; CELL CULTURE; LIQUIDS; CULTURE MEDIA; IN VITRO EXPERIMENTATION; GROWTH; IMMUNOLOGICAL TECHNIQUES.

L73 ANIMAL DISEASES / PENYAKIT TERNAK

0845 KURNIADHI, P. [Hemagglutination blocked test method as examination technique of serologic diagnosis on aujeszky disease]. Metode uji hambat hemaglutinasi (Hi test) sebagai teknik pemeriksaan diagnosis serologik terhadap penyakit aujeszky/Kurniadhi, P. (Balai Penelitian Veteriner, Bogor (Indonesia)). Buletin Teknik Pertanian (Indonesia) ISSN 0853-8379 (2002) v. 7(2) p. 58-61 1 table; 11 ref.

SWINE; AUJESZKY'S DISEASES; HAEMAGGLUTINATION TESTS; IMMUNODIAGNOSIS.

L74 MISCELLANEOUS ANIMAL DISORDERS / KELAINAN YANG BUKAN DISEBABKAN OLEH HAMA DAN PENYAKIT PADA HEWAN

0846 SUDARSO, Y. [Toxicokinetic process of Cadmium on freshwater clam (*Pilsbryconcha exilis*)]. Toksikokinetik Kadmium pada kerang air tawar (*Pilsbryconcha exilis*)/Sudarso, Y.; Yoga, G.P.(Pusat Penelitian Limnologi, Bogor (Indonesia)). Limnotek (Indonesia) ISSN 0854-8390 (2000) v. 8(1) p. 1-9 3 ill., 1 table ; 25 ref. Summaries (En.In)

CLAMS; FRESHWATER CRUSTACEANS; TOXICOLOGY; CADMIUM; POLLUTANTS; BIOACCUMULATION; KINESIS; CHELATING AGENTS.

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

0847 PRASTOWO, B.W. [Production of parent stock of multi species hatchery: result study of reproduction genetic engineering in Balai Budidaya Air Payau Jepara]. Produksi parent stock multi species hatchery tinjauan hasil kajian rekayasa reproduksi/genetika di Balai Budidaya Air Payau Jepara/Prastowo, B.W.(Balai Budidaya Air Payau, Jepara (Indonesia)); Kokarkin, C.. [Acceleration of Breeding for Reliable Agriculture in Globalization Era: Proceedings of the 5th Symposium of Indonesian Association of Breeding Science]. Akselerasi Pemuliaan Mewujudkan Pertanian Tangguh di Era Globalisasi: Prosiding Simposium 5 Perhimpunan Ilmu Pemuliaan Indonesia (PERIPI)/Ashari, S.; Soegianto, A.; Nugroho, A.; Poespodarsono, S.; Lamadji, S.; Kasno, A.; Soetopo, L.; Basuki, N. (eds.) . Malang (Indonesia): UNIBRAW, 1999 p. 373-375

SALTWATER FISHES; FISH FARMS; BREEDING STOCK; GENETICALLY MODIFIED ORGANISMS; TRANSGENIC ANIMALS.

M12 AQUACULTURE PRODUCTION AND MANAGEMENT/PRODUKSI DAN PENGELOLAAN BUDIDAYA PERAIRAN

0848 BALAI PENGAJIAN TEKNOLOGI PERTANIAN. . [Hatchery and culture technology of *Oxyeleotris marmorata*]. Teknologi pembenihan dan pembesaran ikan betutu/Balai Pengkajian Teknologi Pertanian Sumatera Selatan, Palembang (Indonesia). Palembang (Indonesia): BPTP, 2002 20 p. 9 ill., 2 tables; 5 ref.

FRESHWATER FISHES; FISH FARMS; CAGE CULTURE; FISH LARVAE; TECHNOLOGY; ANIMAL MORPHOLOGY; GENITALIA; FEEDS; QUALITY; HARVESTING.

0849 BALAI PENGAJIAN TEKNOLOGI PERTANIAN, BANDA ACEH. [Improvement of milkfish culture technology in NAD (Nanggroe Aceh Darussalam Province (Indonesia)). Perbaikan teknologi sistem usahatani budidaya Bandeng di Provinsi NAD/Balai Pengkajian Teknologi Pertanian, Banda Aceh (Indonesia). [Compilation Papers of Expose and Seminar on Local Specific Technology]. Kumpulan Makalah Ekspose dan Seminar Teknologi Spesifik Lokasi/Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia) Jakarta (Indonesia): Badan Litbang Pertanian, 2002 (pt. 22) 10 p. 5 ref.

MILKFISH; FISH CULTURE; FARMING SYSTEMS; TECHNOLOGY; SUMATRA.

0850 BUDIHARTO, B. [Gradual nursery technology of gouramys in pond]. Teknologi pendederan gurame secara bertahap di kolam/Budiharto, B.; Bahri, S.; Sutanto, A. (Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia)). [Report on the Appreciation Activity of Recommended Technology Development]. Laporan Hasil Kegiatan Apresiasi Pengembangan Teknologi Rekomendasi/Budiharto, B.; Bahri, S.; Sutanto, A. Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia). Ungaran (Indonesia): BPTP, 2000 p. 1-9 2 tables; 2 ref.

OSPHRONEMUS; FISH LARVAE; PONDS; REARING TECHNIQUES; PEST

CONTROL; DISEASE CONTROL; HYGIENE; WATER QUALITY; ECONOMIC ANALYSIS.

0851 BUDIHARTO, B. [Nursery technology of *Oreochromis* in floating net cage]. Teknologi pendederan ikan nila merah dalam keramba jarring apung (KJA)/Budiharto, B.; Bahri, S.; Sutanto, A. (Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia)). [Report on the Appreciation Activity of Recommended Technology Development]. Laporan Hasil Kegiatan Apresiasi Pengembangan Teknologi Rekomendasi/Budiharto, B.; Bahri, S.; Sutanto, A. Balai Pengkajian Teknologi Pertanian, Ungaran (Indonesia). Ungaran (Indonesia): BPTP, 2000 p. 1-11 3 ill., 16 ref.

OREOCHROMIS; FISH LARVAE; FISH CAGES; REARING TECHNIQUES; FEEDING; PEST CONTROL; DISEASE CONTROL; ECONOMIC ANALYSIS; TECHNOLOGY TRANSFER.

0852 SASTRAWIBAWA, S. [Increasing production of freshwater *Colossoma macropomum* cuvier 1818 fry through implantation of LHRH-a hormone to farmers in Lampengan Village, Ibum, Bandung (Indonesia)]. Peningkatan produksi benih bawal air tawar (*Colossoma macropomum* Cuvier 1818) melalui implantasi hormon LHRH-a terhadap para petani di desa Lampengan Kecamatan Ibum Kabupaten Bandung/Sastrawibawa, S.; Lili, W.; Andriani, Y. Universitas Padjadjaran, Bandung (Indonesia). Bandung (Indonesia): UNPAD, 2000 32 p. 3 ref. Appendices

COLOSSOMA; FISH LARVAE; HORMONES; LH; TRANSPLANTATION; INDUCED OVULATION; OVIPOSITION; FRESHWATER FISHES; TECHNOLOGY TRANSFER; FARM INCOME; JAVA.

0853 SOPLANIT, M. [Development of freshwater fish culture technique with agribusiness oriented in Papua Province (Indonesia)]. Pengembangan teknologi budidaya ikan air tawar berorientasi agribisnis di Provinsi Papua/Soplanit, M.; Kanro, M.Z.; Masbaitubun, H.; Syamsuddin; Atekan (Balai Pengkajian Teknologi Pertanian Irian Jaya, Jayapura (Indonesia)). [Compilation Papers of Expose and Seminar on Local Specific Technology]. Kumpulan Makalah Ekspose

dan Seminar Teknologi Spesifik Lokasi/Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia) . Jakarta (Indonesia): Badan Litbang Pertanian, 2002 (pt. 21) 12 p. 8 tables; 11 ref.

FRESHWATER FISHES; FISH CULTURE; AGROINDUSTRIAL SECTOR; TECHNOLOGY; ECONOMIC ANALYSIS; PAPUA NEW GUINEA.

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

0854 SUDARYANTO. . [Engineering design of pepper pulping machine using friction system : research report]. Rekayasa desain mesin pengupas kulit lada dengan sistem gesekan : laporan penelitian/ Sudaryanto; Muhaemin, M.; Prijatna, D. Universitas Padjadjaran, Bandung (Indonesia). Fakultas Pertanian. Bandung (Indonesia): UNPAD, 2001 48 p. 8 ill., 7 tables.; 14 ref. Summaries (En;In) Appendices

PEPPER; POSTHARVEST EQUIPMENT; PULPING; DESIGN; PROCESSING; QUALITY; CHEMICOPHYSICAL PROPERTIES; EQUIPMENT CHARACTERISTICS.

0855 UNADI, A. [Dried vegetable processing machine]. Mesin pembuat sayuran kering/Unadi, A.; Triwahyudi, S.; Nasution, D.A.; Rahmarestia W., E.; Gunarto, A. (Balai Besar Pengembangan Alat dan Mesin Pertanian, Tangerang (Indonesia)). Warta Penelitian dan Pengembangan Pertanian (Indonesia) ISSN 0216-4427 (2001) v. 23(2) p. 7-8

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

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

0856 FAGI, A.M. Conservation of biodiversity through more productive and sustainable agroecosystems. Konservasi keanekaragaman hayati melalui agroekosistem

yang lebih produktif dan berkelanjutan/Fagi, A.M. (Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia)). Proceedings of Workshop on Management of Agrobio diversity in Indonesia for Sustainable Land Use and Global Environmental Benefits/Gafur, A.; Susilo, F.X.; Utomo, M.; Noordwijk, M.V. (eds.) Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia); Universitas Lampung, Bandar Lampung (Indonesia). Jakarta (Indonesia): AARD, 1999 p. 140-145 7 ref. Summary (En)

BIODIVERSITY; AGROECOSYSTEMS; NATURE CONSERVATION; SUSTAINABILITY.

0857 SUGANDHY, A. Conservation and sustainable utilization of agrobiodiversity to support food and environmental resilience. Pelestarian dan pemanfaatan berkelanjutan keanekaragaman hayati pertanian untuk mendukung ketahanan pangan dan ketahanan lingkungan/ Sugandhy, A.. Proceedings of Workshop on Management of Agrobio diversity in Indonesia for Sustainable Land Use and Global Environmental Benefits/Gafur, A.; Susilo, F.X.; Utomo, M.; Noordwijk, M.V. (eds.) Badan Penelitian dan Pengembangan Pertanian, Jakarta (Indonesia); Universitas Lampung, Bandar Lampung (Indonesia). Jakarta (Indonesia): AARD, 1999 p. 152-160 Summary (En)

BIODIVERSITY; ENVIRONMENT; NATURE CONSERVATION; FOOD SECURITY; SUSTAINABILITY.

P10 WATER RESOURCES AND MANAGEMENT / SUMBER DAYA AIR DAN PENGELOLAANNYA

0858 AKRIMI. [Monitoring technique of water quality and plankton in Arang-arang lake, Jambi (Indonesia)]. Teknik pengamatan kualitas air dan plankton di reservat danau A+-rang-arang Jambi/Akrimi; Subroto, G. (Balai Riset Perikanan Perairan Umum Marina, Palembang (Indonesia)). Buletin Teknik Pertanian (Indonesia) ISSN 0853-8379 (2002) v. 7(2) p. 54-57 1 ill., 2 tables; 13 ref.

PLANKTON; WATER QUALITY; WATER CONSERVATION; SUMATRA.

0859 STAHLHUT, M. Detection of hydrological parameters in tropical peat swamp forests by remote sensing/Stahlhut, M.; Rieley, J.O. (University of Nottingham (United Kingdom)). Peatlands for people: natural resource functions and sustainable management: Proceedings of the International Symposium on Tropical Peatlands/Rieley, J.O.; Page, S.E.; Setiadi, B. (eds.) Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2002 p. 56-62 2 ill., 29 ref. Summary (En)

PEATLANDS; TROPICAL FORESTS; HYDROLOGICAL CYCLE; SATELLITES; REMOTE SENSING.

P11 DRAINAGE/ PENGAIRAN

0860 MAAS, A. Identification of problems on and suggestions for improvement of "Bongkor peatland" in zone C of the former mega rice project in Central Kalimantan (Indonesia)/Maas, A.; Darmanto; Nuryani, S. (Universitas Gadjah Mada, Yogyakarta (Indonesia)). Peatlands for people: natural resource functions and sustainable management: Proceedings of the International Symposium on Tropical Peatlands/Rieley, J.O.; Page, S.E.; Setiadi, B. (eds.) Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2002 p. 219-223 1 ill., 1 table; 10 ref. Summary (En)

FOOD CROPS; PEATLANDS; DRAINAGE; RECLAIMED LAND; LAND IMPROVEMENT; LAND SUITABILITY; LAND USE; SUSTAINABILITY; KALIMANTAN.

0861 RIELEY, J.O. Wise use of mires and peatlands/Rieley, J.O.. Peatlands for people: natural resource functions and sustainable management: Proceedings of the International Symposium on Tropical Peatlands/Rieley, J.O.; Page, S.E.; Setiadi, B. (eds.) Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2002 p. 236-240 1 ill.,

PEATLANDS; MUD; DRAINAGE; FLOOD CONTROL; CLIMATIC CHANGE; BIODIVERSITY; USES.

P31 SOIL SURVEYS AND MAPPING / SURVEI DAN PEMETAAN TANAH

0862 SUDARYANTO, B. . [Agroecological zonation of Lampung Province: Book 1]. Zonasi agroekologi Propinsi Lampung: Buku I/Sudaryanto, B.; Purwanto, G.; Suherlan, D.; Yusmeinardi; Nasrul Balai Pengkajian Teknologi Pertanian Lampung, Bandar Lampung (Indonesia). Bandar Lampung (Indonesia): BPTP Lampung, 2002 29 p. 7 ill., 7 tables; 9 ref.

AGROCLIMATIC ZONES; SOIL TYPES; SLOPING LAND; HUMIDITY; DRAINAGE; TEMPERATURE; CARTOGRAPHY; GEOGRAPHICAL INFORMATION SYSTEMS; SUMATRA.

P32 SOIL CLASSIFICATION AND GENESIS / KLASIFIKASI DAN PEMBENTUKAN TANAH

0863 LUSIANA, F. Macromorphology and micromorphology of coastal peatland from Kapuas/Barito and Kahayan River areas, Central Kalimantan (Indonesia)/Lusiana, F. (Institut Pertanian Bogor (Indonesia)); Widiatmaka; Hardjowigeno, S.. Peatlands for people: natural resource functions and sustainable management: Proceedings of the International Symposium on Tropical Peatlands/Rieley, J.O.; Page, S.E.; Setiadi, B. (eds.) Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2002 p. 68-74 2 ill., 8 ref. Summary (En). Appendices

PEATLANDS; SOIL MICRO-MORPHOLOGICAL FEATURES; SOIL ORGANIC MATTER; SOIL CHEMICOPHYSICAL PROPERTIES; CATIONS; ION EXCHANGE CAPACITY; RIVERS; KALIMANTAN.

P33 SOIL CHEMISTRY AND PHYSICS / KIMIA DAN FISIKA TANAH

0864 DIARA, I W. Chemical properties of Andosols in highland Bali (Indonesia)/Diara, I W.; Arthagama, D.M. (Universitas Udayana, Denpasar (Indonesia). Fakultas Pertanian); Mandang, T.. Highland vegetable cultivation in Indonesia: a multi-disciplinary study towards eco-ecofarming/Fujimoto, A.; Abdullah, K.(eds.) . Tokyo (Japan): Word Planning, 2001 p. 173-181 12 ref.

VEGETABLE CROPS; SOIL CHEMICOPHYSICAL PROPERTIES; NUTRITIONAL REQUIREMENTS; HIGHLANDS; ANDOSOLS; BALI.

0865 NARIOKA, H. Biophysical characteristics and cropping systems in highland slope farming/Narioka, H.; Masturi; Adnyana, I W.S.; Medina, S.M.. Highland vegetable cultivation in Indonesia: a multi-disciplinary study towards eco ecofarming/Fujimoto, A.; Abdullah, K.(eds.) . Tokyo (Japan): Word Planning, 2001 p. 153-172 15 ill., 9 tables; 10 ref.

VEGETABLE CROPS; SLOPING LAND; SOIL CHEMICOPHYSICAL PROPERTIES; EROSION; LAND USE; HIGHLANDS; BALI.

0866 NUGROHO, K. Effect of dry - wet condition to peat soil physical characteristics of different degree of decomposition/Nugroho, K. (Pusat Penelitian Tanah dan Agroklimat, Bogor (Indonesia)); Widodo, B.. Peatlands for people: natural resource functions and sustainable management: Proceedings of the International Symposium on Tropical Peatlands/Rieley, J.O.; Page, S.E.; Setiadi, B. (eds.) Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2002 p. 94-102 4 ill., 2 tables; 11 ref. Summary (En)

PEAT SOILS; DRYING; SOIL CHEMICOPHYSICAL PROPERTIES; SOIL DEGRADATION; SOIL WATER CONTENT; SOIL DENSITY; SOIL PORE SYSTEM; SHRINKAGE.

0867 SAJARWAN, A. Diversity of tropical peat characteristics in intact peatland forest, under the influence of forest type, peat thickness, and position of peat deposit/Sajarwan, A. (Universitas Palangka Raya (Indonesia). Fakultas Pertanian); Notohadiprawiro, T.; Radjagukguk, B.; Hastuti, S.. Peatlands for people: natural resource functions and sustainable management: Proceedings of the International Symposium on Tropical Peatlands/Rieley, J.O.; Page, S.E.; Setiadi, B. (eds.) Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2002 p. 119-124 1 ill., 5 ref. Summary (En)

PEATLANDS; TROPICAL FORESTS; THICKNESS; SOIL CHEMICOPHYSICAL PROPERTIES; SOIL ORGANIC MATTER.

0868 SUNARMINTO, B.H. Physical characteristics changemen of Central Kalimantan peat as a result of fertilization by NPK, liming and paraquat application/Sunarminto, B.H.; Martani, E.; Handayani, S. (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Pertanian). Peatlands for people: natural resource functions and sustainable management: Proceedings of the International Symposium on Tropical Peatlands/Rieley, J.O.; Page, S.E.; Setiadi, B. (eds.) Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2002 p. 268-271 4 ill., Summary (En)

ZEA MAYS; PEATLANDS; SOIL CHEMICOPHYSICAL PROPERTIES; NPK FERTILIZERS; LIMING; PARAQUAT; FERTILIZER APPLICATION; APPLICATION RATES; ORGANIC MATTER; KALIMANTAN.

0869 TAKAHASHI, H. Annual changes of water balance and a drought index in a tropical peat swamp forest of Central Kalimantan, Indonesia/Takahashi, H.; Ibie, B.F.; Usup, A.; Yudha (Hokkaido University, Sapporo (Japan)); Shimada, S.; Limin, S.H.. Peatlands for people: natural resource functions and sustainable management: Proceedings of the International Symposium on Tropical Peatlands / Rieley, J.O.; Page, S.E.; Setiadi, B. (eds.) Badan Pengkajian dan Penerapan Teknologi, Jakarta (Indonesia). Jakarta (Indonesia): BPPT, 2002 p. 63-67 5 ill., 4 ref. Summary (En)

TROPICAL FORESTS; SWAMPS; EVAPOTRANSPIRATION; GROUNDWATER TABLE; SOIL WATER CONTENT; DROUGHT; SOLAR RADIATION; KALIMANTAN.

P34 SOIL BIOLOGI / BIOLOGI TANAH

0870 HINDERSAH, R. . [Contribution of *Azotobacter chroococcum* in growth of maize seedlings : research report]. Kontribusi

Azotobacter chroococcum dalam pertumbuhan kecambah jagung : laporan penelitian/Hindersah, R.; Setiawati, M.R.; Fitriatin, B.N. Universitas Padjadjaran, Bandung (Indonesia). Fakultas Pertanian. Bandung (Indonesia): UNPAD, 2001 20 p. 2 ill., 4 tables; 26 ref. Summaries (En,In). Appendices.

ZEA MAYS; AZOTOBACTER; NITROGEN FIXING BACTERIA; KINETIN; INOCULATION; SEEDLINGS; GROWTH.

0871 HUTAURUK, S. [Effect of microbial inoculation and phosphate fertilization on growth and yield of upland rice (*Oryza sativa*) on acid humitropepts soils]. Evaluasi pertumbuhan dan produksi padi gogo (*Oryza sativa*) varietas Si Gambiri pada tanah humitropepts masam akibat inokulasi jenis mikrobia dan pemberian pupuk fosfat alam/Hutauruk, S.; Saragih, Y.O.. Visi (Indonesia) ISSN 0853-0203 (2002) v. 10(2) p. 80-92 3 ill., 6 tables.; 32 ref. Summary (En)

ORYZA SATIVA; UPLAND RICE; MYCORRHIZAE; TRICHODERMA; INOCULATION; ROCK PHOSPHATE; APPLICATION RATES; ACID SOILS; AGRONOMIC CHARACTERS; YIELDS.

0872 ROHIMAT, I. [Inoculation technique of *Mycorrhizae arbuscular* on cashew seed]. Teknik inokulasi *Mycorrhizae arbuscular* pada bibit jambu mente/Rohimat, I. (Balai Penelitian Tanaman Rempah dan Obat, Bogor (Indonesia)). Buletin Teknik Pertanian (Indonesia) ISSN 0853-8379 (2002) v. 7(2) p. 80-82 1 ill., 3 tables; 7 ref.

ANACARDIUM OCCIDENTALE;
SEEDLINGS; INOCULATION;
VESICULAR ARBUSCULAR
MYCORRHIZAE.

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NUTRIENTS; PEATLANDS; SWAMPS; TROPICAL ZONES; KALIMANTAN.

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

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SUGAR; ARTIFICIAL SWEETENERS; FOOD INDUSTRY; COTTAGE INDUSTRY; SMALL ENTERPRISES; SOFT DRINKS; PROCESSING; EMPLOYMENT; INCOME.

Q52 FEED PROCESSING AND PRESERVATION / PENGOLAHAN DAN PENGAWETAN PAKAN

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

0895 MURTININGSIH. [Dry flower for room ambience freshener]. Bunga kering penyegar suasana ruangan / Murtiningsih; Yulianingsih; Prabawati, S. (Balai Penelitian

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SOLID WASTES; PATHOGENS;
COMPOSTING; ORGANIC FERTILIZERS;
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S01 HUMAN NUTRITION - GENERAL ASPECTS / ILMU GIZI-ASPEK UMUM

0898 BUDIARDJO, K. . [Protein compound on life organisms]. Pentingnya senyawa protein pada organisme hidup/

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T01 POLLUTION / POLUSI

0899 IRHAM. [Application of control policy for environmental pollutions]. Pencemaran lingkungan dan aplikasi kebijakan pengendaliannya/Irham; (Universitas Gadjah Mada, Yogyakarta (Indonesia). Fakultas Sosial Ekonomi Pertanian).. Agro Ekonomi (Indonesia) ISSN 0215-8787 (2002) v. 9 (1) p. 8-15 1 ill.: 2 tables; 9 ref. Summary (En)

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