

VOL 21, NO 1 (2014)

MARCH 2014

TABLE OF CONTENTS

ARTICLES

- | | |
|---|--------------|
| Development of Corn Milk Yoghurt Using Mixed Culture of <i>Lactobacillus delbruekii</i> , <i>Streptococcus salivarius</i> , and <i>Lactobacillus casei</i>
SEDARNAWATI YASNI, AYUNI MAULIDYA | PDF
1-7 |
| Dietary Variation of Long Tailed Macaques (<i>Macaca fascicularis</i>) in Telaga Warna, Bogor, West Java
SARAH NILA, BAMBANG SURYOBROTO, KANTHI ARUM WIDAYATI | PDF
8-14 |
| Identification of New Lactone Derivatives Isolated from <i>Trichoderma</i> sp., An Endophytic Fungus of Brotowali (<i>Tinaspora crispa</i>)
. ELFITA, . MUNAWAR, . MUHARNI, MASTUR ADHY SUDRAJAT | PDF
15-20 |
| Independent Effects of Temperature, Salinity, Ammonium Concentration and pH on Nitrification Rate of the Ariake Seawater Above Mud Sediment
ALIM ISNANSETYO, SAI GETSU, MASAHIRO SEGUCHI, MASUMI KORIYAMA | PDF
21-30 |
| Field Adaptation of Some Introduced Wheat (<i>Triticum aestivum</i> L.) Genotypes in Two Altitudes of Tropical Agro-Ecosystem Environment of Indonesia
ADEEL ABDUL KARIM ALTUHAISH, . MIFTAHUDIN, . TRIKOESOEMANINGTYAS, SUDIRMAN YAHYA | PDF
31-38 |
| Genetic Diversity of <i>Musa balbisiana</i> Colla in Indonesia Based on AFLP Marker
FAJARUDIN AHMAD, RITA MEGIA, YUYU SURYASARI POERBA | PDF
39-47 |

SHORT COMMUNICATION

- | | |
|---|--------------|
| Haemozoin Detection in Mouse Liver Histology Using Simple Polarized Light Microscope
DWI RAMADHANI, SITI NURHAYATI, TUR RAHARDJO | PDF
48-52 |
|---|--------------|

ISSN: 2086-4094

VOL 21, NO 2 (2014)

JUNE 2014

TABLE OF CONTENTS

ARTICLES

Characterization of α -Nitrile Hydratase and Amidase of <i>Rhodococcus</i> aff. <i>qingshengii</i> from Indonesia AERMA HASTUTY, WIBOWO MANGUNWARDOYO, BAMBANG SUNARKO	PDF 53
Molecular Sex Determination of Captive Komodo Dragons (<i>Varanus komodoensis</i>) at Gembira Loka Zoo, Surabaya Zoo, and Ragunan Zoo, Indonesia SRI SULANDARI, MOCH SAMSUL ARIFIN ZEIN, EVY AYU ARIDA, AMIR HAMIDY	PDF 65
Prediction of Physicochemical Properties of Indonesian Indica Rice Using Molecular Markers PUJI LESTARI, REFLINUR, HEE-JONG KOH	PDF 76
Characterization of Trypsin-Like Protease of <i>Lactobacillus plantarum</i> FNCC 0270 Trismilah Margono, Wahono Sumaryono, Amarila Malik, Mohamad Sadikin	PDF 87
Pachybasin, a Major Metabolite from Culture Broth of Endophytic Coelomyceteous AFKR-18 Fungus isolated from a Yellow Moonseed Plant, <i>Arcangelisia flava</i> (L.) Merr. DEWI WULANSARI, YULIASRI JAMAL, PRAPTIWI, ANDRIA AGUSTA	PDF 95

ISSN: 2086-4094

VOL 21, NO 3 (2014)

SEPTEMBER 2014

TABLE OF CONTENTS

ARTICLES

- Physical Growth of Sasak Children at Different Altitudes in Lombok Island PDF
NOVITA TRI ARTININGRUM, BAMBANG SURYOBROTO, TETRI WIDIYANI 101-110
- Increasing Hermaphrodite Flowers using Plant Growth Regulators in Andromonoecious *Jatropha curcas* PDF
. DASUMIATI, . MIFTAHUDIN, . TRIADIATI, ALEX HARTANA, DIBYO PRONOWO 111-120
- The Time Budget of Javan Deer (*Rusa timorensis*, Blainville 1822) in Panaitan Island, Ujung Kulon National Park, Banten, Indonesia PDF
. Pairah, YANTO SANTOSA, LILIK BUDI PRASETYO, ABDUL HARIS MUSTARI 121-126
- The Use of Synbiotics to Prevent IMNV and *Vibrio harveyi* Co-Infection in *Litopenaeus vannamei* PDF
ADNI OKTAVIANA, . WIDANARNI, MUNTI YUHANA 127-134
- Nesting Sites *Apis cerana* Fabr. (Hymenoptera: Apidae) in Two Different Altitudes of Polyculture Plantations in West Sumatera PDF
. JASMI, SITI SALMAH, . DAHELMI, . SYAMSUARDI 135-143
- Identification of Antibiotic-Resistance Genes from Lactic Acid Bacteria in Indonesian Fermented Foods PDF
LINDA SUKMARINI, APON ZAENAL MUSTOPA, MARIDHA NORMAWATI, IKRIMAH MUZDALIFAH 144-150

ISSN: 2086-4094

TABLE OF CONTENTS

ARTICLES

In Vitro Growth and Rooting of Mangosteen (<i>Garcinia mangostana</i> L.) on Medium with Different Concentrations of Plant Growth Regulator FAUZIYAH HARAHAHAP, ROEDHY POERWANTO, . SUHARSONO, CICIK SURIANI, SUCI RAHAYU	PDF 151-158
Mutation of mtDNA ND1 Gene in 20 Type 2 Diabetes Mellitus Patients of Gorontaloese and Javanese Ethnicity AMIEN RAMADHAN ISHAK, RINI PUSPITANINGRUM, RISMA DWI UTARI, MELLA FERANIA, CHRIS ADHIYANTO, TAKENORI NITTA, AB SUSANTO, HATTORI YUKIO, YASUHIRO YAMASHIRO	PDF 159-165
Nutritional Content of <i>Artemia</i> sp. Fed with <i>Chaetoceros calcitrans</i> and <i>Skeletonema costatum</i> VIVI ENDAR HERAWATI, JOHANNES HUTABARAT, OCKY KARNA RADJASA	PDF 166-172
Correlation Between Akt and p53 Protein Expression and Chemoradiotherapy Response in Cervical Cancer Patients IIN KURNIA, BUDININGSIH SIREGAR, SETIAWAN SOETOPO, IRWAN RAMLI, TJAHYA KURJANA, . ANDRIONO, MARINGAN DIAPARI LUMBAN TOBING, BETHY SURYAWATHI, TEJA KISNANTO, DEVITA TETRIANA	PDF 173-179
Hunting at the Abun Regional Marine Protected Areas: A Link Between Wildmeat and Food Security FREDDY PATTISELANNO, MUHAMMAD IRFANSYAH LUBIS	PDF 180-186

SHORT COMMUNICATION

Characterization of an Endophytic Bacterium G062 Isolate with Beneficial Traits ALINA AKHDIYA, ARIS TRI WAHYUDI, ABDUL MUNIF, LATIFAH KOSIM DARUSMAN	PDF 187-196
N-Terminal His-Tagged AtTPR7 Interactions with Hsp70 and Hsp90 Proteins ANANDAYU PRADITA, REGINA SCHWEIGER, SERENA SCHWENKERT, JÜRGEN SOLL	PDF 197-200

TABLE OF CONTENTS

ARTICLES

Effects of Soy-Germ Protein on Catalase Activity of Plasma and Erythrocyte of Metabolic Syndrome Women HERY WINARSI, SIWI PRAMATAMA MARS WIJAYANTI, NURTJAHJO DWI SASONGKO, AGUS PURWANTO	PDF 1-5
Phylogenetic Relationships Within Arctornis (Lepidoptera: Erebidae) Based on COI Gene Sequences HARI SUTRISNO	PDF 6-11
Growth Response and Feed Utilization of Giant Gourami (<i>Osphronemus goramy</i>) Juvenile Feeding Different Protein Levels of the Diets Supplemented with Recombinant Growth Hormone DARMAWAN SETIA BUDI, . ALIMUDDIN, MUHAMMAD AGUS SUPRAYUDI	PDF 12-19
Characterization of Xylanase activity produced by <i>Paenibacillus</i> sp. XJ18 from TNBD Jambi, Indonesia . KURRATAA'YUN, . YOPI, ANJA MERYANDINI	PDF 20-26
Characterization of Bacteriophage Specific to <i>Bacillus pumilus</i> from Ciapus River in Bogor, West Java, Indonesia ANIK KUSMIATUN, IMAN RUSMANA, SRI BUDIARTI	PDF 27-33
Face Shape Variation Among Sundanese People from Western Java, Indonesia WOLLY CANDRAMILA, SONY HERU SUMARSONO, BAMBANG SURYOBROTO, MAELITA RAMDANI MOEIS	PDF 34-40

SHORT COMMUNICATION

DNA Barcoding of Sangihe Nutmeg (<i>Myristica fragrans</i>) using matK Gene TRINA EKAWATI TALLEI, BEIVY JONATHAN KOLON DAM	PDF 41-47
Analysis of Intestinal Mucosal Immunoglobulin A in Sprague Dawley Rats Supplemented with Tempeh SUSAN SOKA, ANTONIUS SUWANTO, IMAN RUSMANA, DON DIN SAJUTHI, DIAH ISKANDRIATI, KATHARINA JESSICA	PDF 48-52

TABLE OF CONTENTS

ARTICLES

Air Quality Bioindicator Using the Population of Epiphytic Macrolichens in Bogor City, West Java . RINDITA, LISDAR IDWAN SUDIRMAN, YONNY KOESMARYONO	PDF 53-59
Detection of Luminous <i>Vibrio harveyi</i> in Penaeid Shrimp Through Nested PCR Using Haemolysin Gene Primer WAWAN ABDULLAH SETIAWAN, UTUT WIDYASTUTI, MUNTI YUHANA	PDF 60-66
Antiviral and Immunostimulant Activities of <i>Andrographis paniculata</i> . CHURIYAH, OLIVIA BUNGA PONGTULURAN, ELRADE ROFAANI, . TARWADI	PDF 67-72
Alpha-Glucosidase Inhibition and Hypoglycemic Activities of <i>Sweitenia mahagoni</i> Seed Extract TUTIK WRESDIYATI, SITI SA'DIAH, ADI WINARTO, VENNY FEBRIYANI	PDF 73-78
Enzymatic Hydrolysis of Copra Meal by Mannanase from <i>Streptomyces</i> sp. BF3.1 for The Production of Mannoooligosaccharides . ARIANDI, . YOPI, ANJA MERYANDINI	PDF 79-86
Panicle Length and Weight Performance of F3 Population from Local and Introduction Hybridization of Rice Varieties ANGELITA PUJI LESTARI, . SUWARNO, . TRIKOESOEMANINGTYAS, DIDY SOPANDIE, HAJRIAL ASWIDINNOOR	PDF 87-92

SHORT COMMUNICATION

Lack of Radioprotective Potential of Ginseng in Suppressing Micronuclei Frequency in Human Blood Lymphocyte under Gamma Irradiation YANTI LUSIYANTI, ZUBAIDAH ALATAS, MUKH SYAIFUDIN	PDF 93-97
Genetic Variation of the First Generation of Rodent Tuber (<i>Typhonium flagelliforme</i> Lodd.) Mutants Based on RAPD Molecular Markers NESTI FRONIKA SIANIPAR, DANNY LAURENT, RAGAPADMI PURNAMANINGSIH, IRENG DARWATI	PDF 98-104

TABLE OF CONTENTS
ARTICLES

Increasing Al-Tolerance of Sugarcane Using Ethyl Methane Sulphonate and In Vitro Selection in the Low pH Media Ragapadmi Purnamaningsih, Sri Hutami	PDF 1-6
Fine Root Production and Decomposition in Lowland Rainforest and Oil Palm Plantations in Sumatra, Indonesia Violita Violita, Triadiati Triadiati, Iswandi Anas, Miftahudin Miftahudin	PDF 7-12
Diversity and Abundance of Insect Pollinators in Different Agricultural Lands in Jambi, Sumatera Elida Hefni Siregar, Tri Atmowidi, Sih Kahono	PDF 13-17
Evaluation of Smoked Skipjack Processing Byproduct Meal as an Alternative Feed Ingredient for Juvenile Humpback Grouper <i>Cromileptes altivelis</i> Muhamad Agus Suprayudi, Fatma Hajiali, Nur Bambang Priyo Utomo, Julie Ekasari, Ichsan Fauzi	PDF 18-21
Diversity and Abundance of Carabidae and Staphylinidae (Insecta: Coleoptera) in Four Montane Habitat Types on Mt. Bawakaraeng, South Sulawesi Agmal Qodri, Rika Raffiudin, Woro Anggraitoningsih Noerdjito	PDF 22-28
Growth, Morphology and Growth Related Hormone Level in <i>Kappaphycus alvarezii</i> Produced by Mass Selection in Gorontalo Waters, Indonesia Siti Fadilah, . Alimuddin, Petrus Rani Pong-Masak, Joko Santoso, Andi Parenrengi	PDF 29-34

SHORT COMMUNICATION

The Notes on Mammal Carcasses Collected in Pangandaran Nature Reserve, West Java, Indonesia Yamato Tsuji, Bambang Prayitno, Ona Norwana, Emiko Nishi, Kanthi Arum Widayati, Akichika Mikami, Bambang Suryobroto	PDF 35-38
Isolation and Molecular Identification of Endophytic Bacteria From Rambutan Fruits (<i>Nephelium lappaceum</i> L.) Cultivar Binjai Sony Suhandono, Meirina Kartika Kusumawardhani, Pingkan Aditiawati	PDF 39-44

TABLE OF CONTENTS
ARTICLES

Habitat Preferences and Distribution of the Freshwater Shrimps of the Genus <i>Caridina</i> (Crustacea: Decapoda: Atyidae) in Lake Lindu, Sulawesi, Indonesia Annawaty Annawaty, Daisy Wowor, Achmad Farajallah, Dede Setiadi, Bambang Suryobroto	PDF 45-50
The Effect of Mangiferin Against Brain Damage Caused by Oxidative Stress and Inflammation Induced by Doxorubicin Soni Siswanto, Wawaimuli Arozal, Vetrizah Juniantito, Agatha Grace, Femmi Dwindi Agustini, Nafrialdi	PDF 51-55
Diversity and Abundance of Cerambycid Beetles in the Four Major Land-use Types Found in Jambi Province, Indonesia . Fahri, Tri Atmowidi, Woro Anggraitoningsih Noerdjito	PDF 56-61
Marine Microalgae <i>Tetraselmis suecica</i> as Flocculant Agent of Bio-flocculation Method Mujizat Kawaroe, Tri Prartono, Adriani Sunuddin, Deni Saputra	PDF 62-66
Photosynthesis and Transpiration Rates of Rice Cultivated Under the System of Rice Intensification and the Effects on Growth and Yield Nurul Hidayati, Triadiati, Iswandi Anas	PDF 67-72
Antibacterial Activity of Extracellular Protease Isolated From an Algicolous Fungus <i>Xylaria psidii</i> KT30 Against Gram-Positive Bacteria Taufik Indarmawan, Apon Zaenal Mustopa, Bugi Ratno Budiarto, Kustiariyah Tarman	PDF 73-78
Construction of RNA Interference Vector to Silence Aluminum Tolerance Gene Candidate in Rice cv Hawara Bunar Windarti Wahyuningtyas, Miftahudin Miftahudin, Utut Widyastuti, Aris Tjahjoleksono	PDF 79-84
Structure and Composition of Reptile Communities in Human Modified Landscape in Gianyar Regency, Bali Ida Ayu Ari Janiawati, Mirza Dikari Kusnini, Ani Mardiasuti	PDF 85-91

SHORT COMMUNICATION

Molecular Phylogenetic Screening of <i>Withania somnifera</i> Relative From Indonesia Based on Internal Transcribed Spacer Region Topik Hidayati, Didik Privandoko, Putri Yunitha Wardiny, Dina Karina Islami	PDF 92-95
--	--------------