

BIODIVERSITAS

Journal of Biological Diversity
Volume 17 - Number 2 - October 2016

- Diversity analysis and genetic potency identification of local rice cultivars in Penajam Paser Utara and Paser Districts, East Kalimantan 401-408
NURHASANAH, SADARUDDIN, WIDI SUNARYO
- Soil and leaf nutrient status on growth of *Macaranga gigantea* in secondary forest after shifting cultivation in East Kalimantan, Indonesia 409-416
DWI SUSANTO, DADDY RUCHIYAT, MAMAN SUTISNA, RUDIANTO AMIRTA
- Microscopic decay pattern of yellow meranti (*Shorea gibbosa*) wood caused by white-rot fungus *Phlebia brevispora* 417-421
ERWIN
- Morphological, anatomical and isozyme variation among giant taro (*Alocasia macrorrhizos*) accessions from Central Java, Indonesia 422-429
SURATMAN, ARI PIToyo, SEPTIANA KURNIASARI, SURANTO
- Single Nucleotide Polymorphism within the *LDLR* gene and responsiveness of cynomolgus macaque (*Macaca fascicularis*) to atherogenic diet 430-434
ACHMAD TAHER, DEDY DURYADI SOLIHIN, SULISTIYANI, DONDIN SAJUTHI, DEWI APRI ASTUTI
- The local knowledge of the rural people on species, role and hunting of birds: Case study in Karangwangi Village, West Java, Indonesia 435-446
JOHAN ISKANDAR, BUDIAWATI SUPANGKAT ISKANDAR, RUHYAT PARTASASMITA
- Mechanisms of antixenosis, antibiosis, and tolerance of fourteen soybean genotypes in response to whiteflies (*Bemisia tabaci*) 447-453
APRI SULISTYO, ALFI INAYATI
- Short Communication: Morphological study of *Fagraea ceylanica* (Gentianaceae) in Mount Nglanggeran, Yogyakarta, Indonesia 454-460
WIDODO1, MUHAMMAD JA'FAR LUTHFI
- Short Communication: Evaluation of quantitative and qualitative morphological characters of sunflower (*Helianthus annuus*) germplasm 461-465
RULLY DYAH PURWATI, ANIK HERWATI
- Dendrochronology of young *Swietenia macrophylla* and the variation of its growth response to the past wet climate in Bengkulu, Indonesia 466-472
AGUS SUSATYA, YANSEN
- Soil invertebrates diversity in coffee-pine agroforestry system at Sumedang, West Java, Indonesia 473-478
IDA KINASIH, TRI CAHYANTO, ANA WIDIANA, DESTI NURBAH INDAH KURNIA, UCU JULITA, RAMADHANI EKA PUTRA
- Diversity of faunal communities in the Biodiversity Park of Ciherang, Bogor, West Java, Indonesia 479-486
HENDRA GUNAWAN, SUGIARTI, ANITA RIANTI, VIVIN SILVALIANDRA SIHOMBING
- Short Communication: Genetic diversity and conservation strategy considerations for highly valuable medicinal tree of *Taxus sumatrana* in Indonesia 487-491
HENTI HENDALASTUTI RACHMAT, ATOK SUBIAKTO, KOICHI KAMIYA

Short Communication: Identification of growth hormone gene variation in exon region at Indonesian Local Cattle based on PCR-SSCP method	492-497
SURYA NUR RAHMATULLAH, JAKARIA, RONNY R. NOOR	
Short Communication: Fecundity of freshwater prawn (<i>Macrobrachium rosenbergii</i>) in selected rivers of Sarawak, Malaysia	498-502
KHAIRUL ADHA AR, FAZNUR FATEH NICHOLAS, SHABDIN MOHD. LONG, AWANGKU SHAHRIR NAQIUDDIN, YUZINE ESA	
Vegetative and generative growth of groundnut genotypes under biotic environmental stress	503-509
AGUSTINA ASRI RAHMIANNA, ERIYANTO YUSNAWAN	
Short Communication: Georeferencing orchids specimen history cards in Bogor Botanic Gardens to increase their use for conservation efforts	510-514
EKA MARTHA DELLA RAHAYU , SAFRAN YUSRI	
Relationship of physicochemical factors with fish biomass and production in Shadegan wetland, Iran	515-522
SEYEDAHMADREZA HASHEMI, RASOUL GHORBANI, FARHAD KYMARAM, SEYED ABASS HOSSINI, GHOLAMREZA ESKANDARI, ALIAKBAR HEDAYATI	
Identification and expression of two types of chicken GnRH-II genes in mature hard-lipped barb, <i>Osteochilus hasselti</i>	523-530
N.A. PRAYOGO, G.E. WIJAYANTI, I. SULISTYO, P. SUKARDI,	
Plant diversity after sixty years post coal mining in East Kalimantan, Indonesia	531-538
LIRIS LIS KOMARA, DEVI NANDITA CHOESIN, TATI SURYATI SYAMSUDIN	
Sequence-Related Amplified Polymorphism (SRAP) analysis for studying genetic characterization of <i>Bouea macrophylla</i>	539-543
SOMBHAT KAEWPONGUMPAI, SUPATTRAA POEAIM, ONGKARN VANIJAJIVA	
Suitability and availability analysis of tropical forest wood species for ethanol production: a case study in East Kalimantan	544-552
RUDIANTO AMIRTA, AHMAD MUKHDLOR, DEWI MUJIASIH, ELIS SEPTIA, SUPRIADI, DWI SUSANTO	
Short Communication: Conservation of mangrove gobies in Lesser Sunda Islands, Indonesia	553-557
YULIADI ZAMRONI, ZEEHAN JAAFAR, KADARWAN SOEWARDI, BAMBANG SURYOBROTO	
Fish community structure in high water temperature around Bontang Industrial Estate, East Kalimantan, Indonesia	558-564
IWAN SUYATNA, A. SYAFEI SIDIK, ISMAIL FAHMY ALMADI, SAMSUL RIZAL, KOMSANAH SUKARTI	
Identification of soybean genotypes adaptive and productive to acid soil agro-ecosystem	565-570
M. MUCHLISH ADIE, AYDA KRISNAWATI	
Molecular identification of commercially important species of <i>Nemipterus</i> (Perciformes: Nemipteridae) in surrounding seas of Malaysia	571-577
AYESHA IMTIAZ, DUONG THUY YEN, SITI AZIZAH MOHD NOR, DARLINA MD. NAIM	
Identification of denitrifying bacteria from sediments of Rawa Jombor waters, Central Java and its trophic status	578-584
SUNARTO, RATNA SETYANINGSIH, ANDRI YANTI	
Seagrass biodiversity at three marine ecoregions of Indonesia: Sunda Shelf, Sulawesi Sea, and Banda Sea	585-591
MUJIZAT KAWAROE, ADITYA HIKMAT NUGRAHA, JURAIJ, ILHAM ANTARIKSA TASABARAMO	

Morphology, anatomy, and mycorrhizal fungi colonization in roots of epiphytic orchids of Sempu Island, East Java, Indonesia	592-603
SITI NURFADILAH, NINA DWI YULIA, ESTI ENDAH ARIYANTI	
Short Communication: Resistance of eleven new hybrid maize genotypes to Turcicum leaf blight (<i>Exserohilum turcicum</i>)	604-608
BUDI SETYAWAN, IRFAN SULIANSYAH, ASWALDI ANWAR, ETTI SWASTI	
Characterization of soybean genotypes for Asian soybean rust reaction under screen house condition	609-613
ALFI INAYATI, ERINYANTO YUSNAWAN	
Diversity and phylogenetic relationship of cellulolytic bacteria from the feces of Bali Cattle in South Central Timor, East Nusa Tenggara, Indonesia	614-619
HILDEGARDIS MISSA, ARI SUSILOWATI, RATNA SETYANINGSIH	
Choosing native tree species for establishing man-made forest: A new perspective for sustainable forest management in changing world	620-625
ATOK SUBIAKTO, HENTI HENDALASTUTI RACHMAT, CHIKAYA SAKAI	
Long-term variability of zooplankton community under climate warming in tropical eutrophic man-made lake	626-633
SUNARDI, TAKAO YOSHIMATSU, NIKO JUNIANTO, NADIA ISTIQAMAH, TYRELL DEWEBER	
Short Communication: Fish diversity of the Batang Toru River System, South Tapanuli, North Sumatra	634-641
DEWI IMELDA ROESMA, ADA CHORNELIA, AHMAD MURSYID, MISTAR KAMSI	
Antidiabetic screening of some Indonesian marine cyanobacteria collection	642-646
SRI PRIATNI, THELMA A. BUDIWATI, DIAH RATNANINGRUM, WAWAN KOSASIH, RINA ANDRYANI, HANI SUSANTI, DWI SUSILANINGSIH	
Data provision of PIK3CA gene diversity and recombinant plasmids preparation for control DNA in developing the trastuzumab predictive response diagnostic kit	647-652
DESRIANI, BUGI RATNO BUDIARTO, WIRSMA ARIF HARAHAP, M. ALI WARISMAN, AUDREY VANIA CLARISSA OMPUSUNGGU, DINA ATHARIAH, FARIDA MIRNAWATI, IDA YUSSRIYANI, FUAD ALAHWANI, AHMAD RIZQI KURNIAWAN	
Short Communication: Using ITS as a molecular marker for <i>Mangifera</i> species identification in Central Sumatra	653-656
FITMAWATI, IBNA HAYATI, NERY SOFIYANTI	
The water quality parameters controlling diatoms assemblage in Rawapening Lake, Indonesia	657-664
T.R. SOEPROBOWATI, S.D. TANDJUNG, SUTIKNO, S. HADISUSANTO, P. GELL, HADIYANTO, S.W.A. SUEDY	
Freshwater fish diversity in an oil palm concession area in Mimika, Papua	665-672
HENDERITE L. OHEE	
The abundance of phytoplankton and its relationship to the N/P ratio in Jakarta Bay, Indonesia	673-678
TUMPAK SIDABUTAR, DIETRIECH G. BENGEN, SAM WOUTHUYZEN, TRI PARTONO	
Biological characteristics on three demersal fish landed in Tegal, north coast of Central Java, Indonesia	679-686
DUTO NUGROHO, MUFTI P. PATRIA, JATNA SUPRIATNA, LUKY ADRIANTO	
Short Communication: RAPD fingerprinting key and phylogenetic of nine seagrass species from Sanur coastal water, Bali, Indonesia using matK sequences	687-693
MADE PHARMAWATI, UUL SHOVI NURKAMILA, STEVANUS	

Ethnoastronomy – The Baduy agricultural calendar and prediction of environmental perturbations	694-703
JOHAN ISKANDAR, BUDIAWATI S.ISKANDAR	
The diversity of secondary metabolites in Indonesian soybean genotypes	704-710
ERIYANTO YUSNAWAN	
Short Communication: Identification of Growth Hormone gene polymorphism for beef cattle in Pesisir Selatan District, West Sumatra, Indonesia	711-715
DINO EKA PUTRA, SUMADI, TAKUYA KANAZAWA, TETY HARTATIK	
Review: Persistent pioneers; <i>Borassus L.</i> and <i>Corypha L.</i> in Malesia	716-732
GRAHAM E. EAGLETON	
Syzygium diversity in Gunung Baung, East Java, Indonesia	733-740
DEDEN MUDIANA	
Short Communication: The survival rate and one-year growth of <i>Shorea javanica</i>, <i>Shorea macrobalanos</i> and <i>Hopea mengarawan</i> in coal mined land in Central Bengkulu, Indonesia	741-745
WIRYONO, HERY SUHARTOYO, ALI MUNAWAR	
Insect pollinator diversity along a habitat quality gradient on Mount Slamet, Central Java, Indonesia	746-752
IMAM WIDHIONO, EMING SUDIANA, EDY TRI SUCIANTO	
Markers-trait association for iron toxicity tolerance in selected Indonesian rice varieties	753-763
YUDHISTIRA NUGRAHA, DWINITA W. UTAMI, IDA ROSDIANTI, SINTHO WAHYUNING ARDIE, MUNIF GHULAMMAHDI, SUWARNO, HAJRIAL ASWIDINNOOR	
Prospect of indigenous plant species for revegetation in the tailings area of ex community gold mine	764-768
WIWIK EKYASTUTI, DWI ASTIANI, EMI ROSLINDA	
Comparison of <i>Neurospora crassa</i> and <i>Neurospora sitophila</i> for phytase production at various fermentation temperatures	769-775
ATIT KANTI, I MADE SUDIANA	
Four new varieties of <i>Begonia</i> from interspecific hybridization <i>Begonia natunaensis</i> C.W.Lin & C.I.Peng × <i>Begonia puspitae</i> Ardi	776-782
HARTUTININGSIH-M. SIREGAR	
Human-Leopard Conflict in Girimukti Village, Sukabumi, Indonesia	783-790
RUHYAT PARTASASMITA, SYA SYA SHANIDA, JOHAN ISKANDAR, ERRI NOVIAR MEGANTARA, TEGUH HUSODO, PARIKESIT, NICHOLAS MALONE	
The value of secondary forest patches for bird conservation in palm oil landscapes of Riau, Sumatra	791-798
ERNIWATI, ERVIZAL AMIR MUHAMMAD ZUHUD, YANTO SANTOSA, ISWANDI ANAS	
Short Communication: Spiders of Sabah: Fifty new records including the description of a new <i>Leucauge</i> species	799-807
DZULHELMI MUHAMMAD NASIR, WONG CHUN XING, ASRAF BAKRI, FASZLY RAHIM, NORMA-RASHID YUSOFF	
The length-weight correlation and population dynamics of razor clams (<i>Solen regularis</i>) in Surabaya east coast, Indonesia	808-813
NINIS TRISYANI, ENDANG YULI HERAWATI, MAHENO SRI WIDODO, DADUK SETYOHADI	
Wati (<i>Piper methysticum</i>) medicinal plant: The ethnobiological and ethnomedicinal values of the Marind tribe in Merauke, Papua, Indonesia	814-822
SUHARNO, ROSYE HEFMY RECHNELTY TANJUNG, SUPENI SUFAATI, VERENA AGUSTINI	

Handicraft of butterflies and moths (Insecta: Lepidoptera) in Bantimurung Nature Recreation Park and its implications on conservation	823-831
INDRA A.S.L.P. PUTRI	
Botanical survey in thirteen montane forests of Bawean Island Nature Reserve, East Java Indonesia: Flora diversity, conservation status, and bioprospecting	832-846
TRIMANTO, LIA HAPSARI	
Temporal diversity of <i>Taraxacum kok-saghyz</i> plants reveals high rubber yield phenotypes	847-856
KATRINA CORNISH, STEVEN L. KOPICKY, SARAH K. MCNULTY, NIKITA AMSTUTZ, ANN M. CHANON, SONIA WALKER, MATTHEW D. KLEINHENZ, ALBERT R. MILLER, JOHN G. STREETER	
Polycyclic aromatic hydrocarbon degrading bacteria from the Indonesian Marine Environment	857-864
ELVI YETTI, AHMAD THONTOWI, YOPI	
Crown shape dynamics of dense mangrove <i>Kandelia obovata</i> stands in Manko Wetland, Okinawa Island, Japan	865-872
KANGKUSO ANALUDDIN, ANDI SEPTIANA, SAHADEV SHARMA, AKIO HAGIHARA	
The uses of bioresources of biosphere reserve by local community of Giam Siak Kecil-Bukit Batu, Riau Province, Indonesia	873-887
PRIMA WAHYU TITISARI, TATI SURYATI SYAMSUDIN, ACHMAD SJARMIDI	
Spatial and temporal description of water pollution status of Gajah Mungkur Reservoir Wonogiri, Central Java, Indonesia	888-893
WIRYANTO	
Morphological diversity and the cultivation practice of <i>Abelmoschus manihot</i> in West Papua, Indonesia	894-899
SARASWATI PRABAWARDANI, IRNANDA A.F. DJUUNA, FENNY ASYEREM, ALEXANDER YAKU, GRAHAM LYONS	
The ethnobotany of medicinal plants in supporting the family health in Turgo, Yogyakarta, Indonesia	900-906
MAIZER SAID NAHDI, IKA NUGRAHENI ARI MARTIWI, DISCA CAHYARI ARSYAH	
Bacterial spatial distribution in the sediments of Gajah Mungkur Reservoir, Central Java, Indonesia	907-914
PENI PUJIASTUTI, MASYKURI MASYKURI, TOTOK GUNAWAN, SUTARNO	

Front cover: Phlebia brevispora
(PHOTO: ERWIN)

Published semiannually

PRINTED IN INDONESIA

ISSN: 1412-033X

E-ISSN: 2085-4722



9 771412 033498



9 772085 472492

A high-magnification scanning electron micrograph (SEM) showing a complex, three-dimensional structure of biological tissue. The image is in grayscale, highlighting various cellular components and extracellular matrices.

ISSN: 1412-033X
E-ISSN: 2085-4722

BIODIVERSITAS

Journal of Biological Diversity

Volume 17 - Number 2 - October 2016