

BIODIVERSITAS

Journal of Biological Diversity
Volume 15 – Number 1 – April 2014

ISSN/E-ISSN:

1412-033X (printed edition), 2085-4722 (electronic)

EDITORIAL BOARD (COMMUNICATING EDITORS):

Abdel Fattah N.A. Rabou (Palestine), **Alan J. Lymbery** (Australia), **Alireza Ghanadi** (Iran), **Ankur Patwardhan** (India), **Bambang H. Saharjo** (Indonesia), **Daiane H. Nunes** (Brazil), **Ghulam Hassan Dar** (India), **Guofan Shao** (USA), **Faiza Abbasi** (India), **Hassan Pourbabaie** (Iran), **Hwan Su Yoon** (South Korea), **I Made Sudiana** (Indonesia), **Ivan Zambrana-Flores** (United Kingdom), **Joko R. Witono** (Indonesia), **Katsuhiko Kondo** (Japan), **Krishna Raj** (India), **Livia Wanntorp** (Sweden), **M. Jayakara Bhandary** (India), **Mahdi Reyahi-Khoram** (Iran), **Mahendra K. Rai** (India), **Mahesh K. Adhikari** (Nepal), **María La Torre Cuadros** (Peru), **María Panitsa** (Greece), **Muhammad Akram** (Pakistan), **Muhammad Iqbal** (Indonesia), **Mochamad A. Soendjoto** (Indonesia), **Mohib Shah** (Pakistan), **Mohamed M.M. Najim** (Srilanka), **Pawan K. Bharti** (India), **Paul K. Mbugua** (Kenya), **Rasool B. Tareen** (Pakistan), **Seweta Srivastava** (India), **Seyed Aliakbar Hedayati** (Iran), **Shahabuddin** (Indonesia), **Shahir Shamsir** (Malaysia), **Shri Kant Tripathi** (India), **Stavros Lalas** (Greece), **Subhash Santra** (India), **Sugiyarto** (Indonesia), **T.N.Prakash Kammardi** (India)

EDITOR-IN-CHIEF:

S u t a r n o

EDITORIAL MEMBERS:

English Editors: **Suranto, Wiryono** (wiryonogood@yahoo.com); Technical Editor & Banking: **Solichatun** (solichatun_s@yahoo.com)
Distribution & Marketing: **Rita Rakhmawati** (oktia@yahoo.com); Webmaster: **Ari Pitoyo** (aripitoyo@yahoo.com)

MANAGING EDITORS:

Ahmad Dwi Setyawan (unsjournals@gmail.com)

PUBLISHER:

The Society for Indonesian Biodiversity

CO-PUBLISHER:

Department of Biology, Faculty of Mathematics and Natural Sciences, Sebelas Maret University, Surakarta

ADDRESS:

Jl. Ir. Sutami 36A Surakarta 57126. Tel. +62-271-7994097, Tel. & Fax.: +62-271-663375, Email: unsjournals@yahoo.com

BANKING:

Solichatun, BNI KC Sebelas Maret, Acc. No. 0033691646

ONLINE:

biodiversitas.mipa.uns.ac.id

EXPERTISE AND CORRESPONDING EMAIL OF THE COMMUNICATING EDITORS:

GENETIC DIVERSITY: **Alan J. Lymbery** (a.lymbery@murdoch.edu.au), **Hwan Su Yoon** (hsyoon@bigelow.org), **Mahendra K. Rai** (pmkrai@hotmail.com). **SPECIES DIVERSITY:** **Joko R. Witono** (jrwitono@yahoo.com), **Katsuhiko Kondo** (k3kondo@nodai.ac.jp), **Livia Wanntorp** (livia.wanntorp@nrm.se), **Mahesh K. Adhikari** (mkg_adh@wlink.com.np), **María Panitsa** (mpanitsa@upatras.gr), **Mohib Shah** (mohibshah@awkum.edu.pk), **Paul K. Mbugua** (paulkmbugua@gmail.com), **Rasool B. Tareen** (rbtareen@yahoo.com). **ECOSYSTEM DIVERSITY:** **Abdel Fattah N.A. Rabou** (arabou@iugaza.edu), **Alireza Ghanadi** (aghannadi@yahoo.com), **Ankur Patwardhan** (ankurpatwardhan@gmail.com), **Bambang H. Saharjo** (bhsaharjo@gmail.com), **Daiane H. Nunes** (nunesdaiane@gmail.com), **Faiza Abbasi** (faeza.abbasi@gmail.com), **Ghulam Hassan Dar** (profdar99@gmail.com), **Guofan Shao** (shao@purdue.edu), **Hassan Pourbabaie** (hassan_pourbabaie@yahoo.com), **I Made Sudiana** (sudianai@yahoo.com), **Ivan Zambrana-Flores** (izambrana@gmail.com), **Krishna Raj** (krishnarajsec@yahoo.co.uk), **Mahdi Reyahi-Khoram** (phdmrk@gmail.com), **Muhammad Iqbal** (kpbsos26@yahoo.com), **Mochamad A. Soendjoto** (masoendjoto@gmail.com), **Mohamed M.M. Najim** (mnajim@kln.ac.lk), **Pawan K. Bharti** (gurupawanbharti@rediffmail.com), **Seweta Srivastava** (shalu.bhu2008@gmail.com), **Seyed Aliakbar Hedayati** (Hedayati@gau.ac.ir), **Shahabuddin** (shahabsaleh@gmail.com), **Shahir Shamsir** (shahirshamsir@gmail.com), **Shri Kant Tripathi** (sk_tripathi@rediffmail.com), **Stavros Lalas** (slalas@teilar.gr), **Subhash Santra** (scsantra@yahoo.com), **Sugiyarto** (sugiyarto_ys@yahoo.com), **T.N. Prakash Kammardi** (prakashtnk@yahoo.com). **ETHNOBIOLOGY:** **M. Jayakara Bhandary** (mbjaikar@gmail.com), **María La Torre Cuadros** (angeleslatorre@lamolina.edu.pe), **Muhammad Akram** (makram_0451@hotmail.com).



Society for Indonesia
Biodiversity



Sebelas Maret University
Surakarta

GUIDANCE FOR AUTHORS

Aims and Scope "Biodiversitas, Journal of Biological Diversity" or *Biodiversitas* encourages submission of manuscripts dealing with all biodiversity aspects of plants, animals and microbes at the level of gene, species, and ecosystem.

Article types The journal seeks original full-length research papers, reviews, and Scientific feedback (short communication) about material previously published.

Acceptance The only articles written in English (U.S. English) are accepted for publication. Manuscripts will be reviewed by managing editor, communicating editor and invited peer review according to their disciplines. Authors will generally be notified of acceptance, rejection, or need for revision within 2 to 3 months of receipt. Manuscript is rejected if the content does not in line with the journal scope, low quality, inappropriate format, complicated grammar, dishonesty, or ignoring correspondence in three months. The primary criteria for publication are scientific quality and biodiversity significance. The accepted papers will be published in a chronological order. This journal periodically publishes in April and October.

Uncorrection proofs will be sent to the corresponding author by e-mail as .doc or .docx files for checking and correcting of typographical errors. To avoid delay in publication, proofs should be returned in 7 days.

A charge The cost of each manuscript is IDR 250,000,- plus postal cost or IDR 150,000,- for SIB members. There is free of charge for non Indonesian author(s), but need to pay postal cost for hardcopy.

Reprints Two copies of journal will be supplied to authors; reprint is only available with special request. Additional copies may be purchased by order when sending back the uncorrection proofs by e-mail.

Submission The journal only accepts online submission, through e-mail to the managing editor at unsjournals@gmail.com; better to forward to one of the communicating editor for accelerating evaluation.. The manuscript must be accompanied with a cover letter containing the article title, the first name and last name of all the authors, a paragraph describing the claimed novelty of the findings versus current knowledge, and a list of five suggested international reviewers (title, name, postal address, email address). Reviewers must not be subject to a conflict of interest involving the author(s) or manuscript(s). The editor is not obligated to use any reviewer suggested by the author(s).

Copyright Submission of a manuscript implies that the submitted work has not been published before (except as part of a thesis or report, or abstract); that it is not under consideration for publication elsewhere; that its publication has been approved by all co-authors; if and when the manuscript is accepted for publication, the author(s) agree to transfer copyright of the accepted manuscript to *Biodiversitas*. Authors shall no longer be allowed to publish manuscript without permission. For the new invention, authors suggested to manage its patent before publishing in this journal.

Open access The journal is committed to free open access that does not charge readers or their institutions for access. Users are entitled to read, download, copy, distribute, print, search, or link to the full texts of the articles, as long as not for commercial purposes. For the new invention, authors are suggested to manage its patent before published.

Preparing the Manuscript

Manuscript is typed at one side of white paper of A4 (210x297 mm²) size, in a single column, double space, 12-point Times New Roman font, with 2 cm distance step aside in all side. Smaller letter size and space can be applied in presenting table. Word processing program or additional software can be used, however, it must be PC compatible and Microsoft Word based. Names of sub-species until phylum should be written in italic, except for italic sentence. Scientific name (genera, species, author), and cultivar or strain should be mentioned completely at the first time mentioning it, especially for taxonomic manuscripts. Name of genera can be shortened after first mentioning, except generating confusion. Name of author can be eliminated after first mentioning. For example, *Rhizopus oryzae* L. UICC 524, hereinafter can be written as *R. oryzae* UICC 524. Using trivial name should be avoided, otherwise generating confusion. Mentioning of scientific name completely can be repeated at Materials and Methods. **Biochemical and chemical nomenclature** should follow the order of IUPAC-IUB, while its translation to Indonesian-English refers to *Glossarium Istilah Asing-Indonesia* (2006). For DNA sequence, it is better used Courier New font.

Symbols of standard chemical and abbreviation of chemistry name can be applied for common and clear used, for example, completely written butilic hydroxytoluene to be BHT hereinafter. **Metric measurement** use IS denomination, usage other system should follow the value of equivalent with the denomination of IS first mentioning. Abbreviation set of, like g, mg, mL, etc. do not follow by dot. Minus index (m², L³, h⁻¹) suggested to be used, except in things like "per-plant" or "per-plot". **Equation of mathematics** does not always can be written down in one column with text, for that case can be written separately. **Number** one to ten are expressed with words, except if it relates to measurement, while values above them written in number, except in early sentence. Fraction should be expressed in decimal. In text, it should be used "%" rather than "gratuity". Avoid expressing idea with complicated

sentence and verbiage, and used efficient and effective sentence. Manuscript of original research should be written in no more than 25 pages (including tables and picture), each page contain 700-800 word, or proportional with article in this publication number. Invited review articles will be accommodated.

Title of article should be written in compact, clear, and informative sentence preferably not more than 20 words. Name of author(s) should be completely written. **Running title** is about five words. **Name and institution** address should be also completely written with street name and number (location), zip code, telephone number, facsimile number, and e-mail address. Manuscript written by a group, author for correspondence along with address is required. First page of the manuscript is used for writing above information.

Abstract should not be more than 200 words, written in English. **Keywords** is about five words, covering scientific and local name (if any), research theme, and special methods which used. **Introduction** is about 400-600 words, covering background and aims of the research. **Materials and Methods** should emphasize on the procedures and data analysis. **Results and Discussion** should be written as a series of connecting sentences, however, for manuscript with long discussion should be divided into sub titles. Thorough discussion represents the causal effect mainly explains for why and how the results of the research were taken place, and do not only re-express the mentioned results in the form of sentences. **Concluding** sentence should preferably be given at the end of the discussion. **Acknowledgments** are expressed in a brief.

Figures and Tables of maximum of three pages should be clearly presented. Title of a picture is written down below the picture, while title of a table is written in the above the table. Colored picture and photo can be accepted if information in manuscript can lose without those images. Photos and pictures are preferably presented in a digital file. JPEG format should be sent in the final (accepted) article. Author could consign any picture or photo for front cover, although it does not print in the manuscript. **There is no appendix**, all data or data analysis are incorporated into Results and Discussions. For broad data, it can be displayed in website as Supplement.

Citation in manuscript is written in "name and year" system; and is arranged from oldest to newest and from A to Z. The sentence sourced from many authors, should be structured based on the year of recently. In citing an article written by two authors, both of them should be mentioned, however, for three and more authors only the family (last) name of the first author is mentioned followed by et al., for example: Saharjo and Nurhayati (2006) or (Boonkerd 2003a, b, c; Sugiyarto 2004; El-Bana and Nijs 2005; Balagadde et al. 2008; Webb et al. 2008). Extent citation as shown with word "cit" should be avoided. Reference to unpublished data and personal communication should not appear in the list but should be cited in the text only (e.g., Rifai MA 2007, personal communication; Setyawan AD 2007, unpublished data). In the reference list, the references should be listed in an alphabetical order. Names of journals should be abbreviated according to the ISSN List of Title Word Abbreviations (www.issn.org/2-22661-LTWA-online.php).

APA style in double space is used in the journal reference as follow:

Journal:

Saharjo BH, Nurhayati AD. 2006. Domination and composition structure change at hemic peat natural regeneration following burning; a case study in Pelalawan, Riau Province. *Biodiversitas* 7: 154-158.

Book:

Rai MK, Carpinella C. 2006. Naturally occurring bioactive compounds. Elsevier, Amsterdam.

Chapter in book:

Webb CO, Cannon CH, Davies SJ. 2008. Ecological organization, biogeography, and the phylogenetic structure of rainforest tree communities. In: Carson W, Schnitzer S (eds) *Tropical forest community ecology*. Wiley-Blackwell, New York.

Abstract:

Assaeed AM. 2007. Seed production and dispersal of *Rhazya stricta*. 50th annual symposium of the International Association for Vegetation Science, Swansea, UK, 23-27 July 2007.

Proceeding:

Alikodra HS. 2000. Biodiversity for development of local autonomous government. In: Setyawan AD, Sutarno (eds) *Toward mount Lawu national park; proceeding of national seminary and workshop on biodiversity conservation to protect and save germplasm in Java island*. Sebelas Maret University, Surakarta, 17-20 July 2000. [Indonesian]

Thesis, Dissertation:

Sugiyarto. 2004. Soil macro-invertebrates diversity and inter-cropping plants productivity in agroforestry system based on sengon. [Dissertation]. Brawijaya University, Malang. [Indonesian]

Information from internet:

Balagadde FK, Song H, Ozaki J, Collins CH, Barnet M, Arnold FH, Quake SR, You L. 2008. A synthetic *Escherichia coli* predator-prey ecosystem. *Mol Syst Biol* 4: 187. www.molecularsystemsbiology.com

NOTIFICATION: All communications are strongly recommended to be undertaken through email.

THIS PAGE INTENTIONALLY LEFT BLANK