

INDEX

AUTHOR

A

Adi Basukriadi, 72
Amanda Zahra Djuanda, 72
Amrina Rosyada, 105
Andre Hendrawan, 35
Andriwibowo, 72
Anindha Ajeng Putri Winta, 26
Anne Hadiyane, 84
Annisa Nadhilah, 1
Asep Hidayat, 54
Azzania Fibriani, 35

C

Calvin Lo, 42

E

Elham Sumarga, 8
Elizabeth Adeline, 72
Enny Lestari, 19
Erly Marwani, 54
Erwin Nurdin, 72

F

Fathia Aulia Rahmah, 26

H

Hatta Vrazila, 8
Hikmat Ramdan, 8

I

Ichsan Suwandhi, 94
Imam Pudoli, 42

K

Karlia Meitha, 26

M

Maskur, 19
Mira Ismiyanti Pribadi, 61

Muhamad Fikri Fadhilah, 84
Muhammad Fadhlullah, 42
Muhammad Rizky Darmawan, 94
Mulyaningrum, 94
Myrea Alaia Chalil, 26
Ramadhani Eka Putra, 26, 105

P

Pingkan Aditiawati, 120

R

Ridho R Sinatra, 26
Rijanti R. Maulani, 54
Rijanti Rahaju Maulani, 61
Rita P Ilhamisari, 1
Santi Sariasih, 120

S

Setiawan, 1
Sri Nanan B. Widiyanto, 54
Suci Awaliyah, 54
Sudarsih, 19
Sukma Budi Prasetyati, 42

T

Tati S . Syamsudin, 54

U

Ujang Dinar Husyari, 54

W

Wawan Gunawan, 61, 105
Widyastuti Widjaksana, 19

Y

Yayat Hidayat, 84

Z

Zeadora Abbya Trisya, 72

SUBJECT

- .
- 1,8 cineole, 1, 3, 4, 5, 6, 7
- A**
 - Absorption wells*, 84, 91, 92, 93
 - Anti-L1 IgG titer, 35, 36, 38
 - Arabica coffee*, 60, 120, 121, 122, 123, 125, 126
 - Autosterilization, 19
- B**
 - Biorefinery, 42, 43, 44, 45, 46, 49, 50, 51, 52, 53
 - Blue light, 26, 27, 30
 - Built-up land*, 85, 86, 88, 94, 95, 96, 97, 100, 101, 102, 103
- C**
 - Caffeine, 54, 55, 56, 57, 58, 59, 60
 - Carotenoids, 26, 27, 30, 31, 32, 49
 - Cascading, 42, 50
 - Chlorogenic acid, 54, 55, 56, 57, 59
 - Chlorophyceae*, 72, 73, 74, 75, 76, 77, 79, 80, 81, 82
 - Chlorophyll, 26, 27, 30, 33, 49, 73
 - Cluster*, 72, 74, 76, 79, 83
 - Community dependency, 94
 - Community vulnerability, 94, 95, 96
 - Competitiveness*, 43, 52, 105, 106, 107, 109, 110, 116
- D**
 - Distillation, 1, 2, 3, 4, 7, 122
 - Distribution*, 26, 61, 62, 72, 73, 74, 75, 76, 81, 82, 105, 108
 - Dynamic model, 84
- E**
 - Economic openness*, 94, 95, 96, 97, 101, 102, 103
 - Efficiency*, 42, 49, 69, 91, 105, 106, 107, 108, 110, 111, 114, 115, 116, 117
 - Endomycorrhizae*, 120, 121, 122, 123, 124, 125
 - Eucalyptus grandis*, 1, 2
 - Eucalyptus oil*, 1, 5
- F**
 - Fertilizer*, 42, 47, 49, 50, 105, 106, 108, 111, 114, 120, 121, 122, 123, 124, 125, 126
 - Flavonoid, 26, 29, 30, 31, 34
- G**
 - Gamma radiation, 19, 24
 - Gracilaria* sp, 42, 43, 44, 45, 46, 47, 48, 49, 52
 - Growth*, 8, 9, 10, 11, 14, 15, 20, 21, 22, 27, 29, 30, 33, 37, 42, 46, 47, 68, 79, 83, 86, 94, 96, 99, 100, 102, 103, 104, 107, 117, 120, 121, 122, 124, 125, 126, 127
- H**
 - HPV, 35, 39, 40
 - Human-animal conflict, 8
- I**
 - I-131-Hippuran, 19, 20, 21, 22, 23
 - Indonesia, 1, 3, 7, 8, 14, 17, 18, 19, 35, 39, 42, 43, 44, 47, 52, 53, 54, 58, 61, 62, 70, 72, 73, 82, 84, 88, 93, 101, 104, 105, 106, 108, 111, 116, 117, 118, 119, 120, 121, 125, 126
- J**
 - Java coffee, 54
- L**
 - L1, 35, 36, 37, 38, 39, 40, 41
 - L1 production rate, 35, 36, 37, 38, 39
- M**
 - Markov chain*, 72, 73, 74, 75, 81
 - Microclimate, 54, 55, 56, 58
 - MOCAF*, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71
- N**
 - Nature Conservation Area, 8
- P**
 - Pearson's correlation analysis, 35, 36, 38, 39
 - Policy Analysis Matrix (PAM), 105, 106, 109
 - Population control, 8, 9, 14, 16
 - Population Ecology, 8
 - Population growth*, 8, 11, 14, 16, 84, 86, 89, 94, 95, 96, 99, 100, 102, 103, 104
 - Porter's model, 61
- R**
 - Radiopharmaceutical, radioactivity, 19
 - Red light, 26, 30
 - River*, 9, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 86, 89, 93
 - Robusta, 54, 55, 56, 57, 59
 - Sm-153-EDTMP, 19, 20, 21, 22, 23
- S**
 - Stochastic frontier*, 105, 107, 108, 117
 - Storage time, 1, 2, 3, 4, 6
 - Sustainability, 7, 32, 33, 42, 104, 117, 126
 - SWOT-AHP*, 61, 62, 69, 70, 71
- V**
 - Value chain*, 61, 62, 63, 70
 - Vegetation cover, 84
- W**
 - Waste nutrient recovery, 42
 - Water resources, 84

List of reviewers for this volume

3Bio Journal of Biological Science, Technology and Management gives the highest appreciation to the reviewers for their dedication in the review process to maintain the quality of published articles up to the journal standard.

1. Akbar Reza, S.Si., M.Sc. (Faculty of Biology, Universitas Gadjah Mada)
2. Dr. Alfi Rumidatul, S.Hut., M.Si. (School of Life Sciences and Technology, Institut Teknologi Bandung)
3. Almando Geraldi S.Si., M.Sc., Ph.D. (Biology Department, Universitas Airlangga)
4. Ana Septiana, S.Si., M.Si. (GAIA Eko Daya Buana, Indonesia)
5. Dr. Angga Dwiartama (School of Life Sciences and Technology, Institut Teknologi Bandung)
6. Anriansyah Renggaman, M.Sc., Ph.D. (School of Life Sciences and Technology, Institut Teknologi Bandung)
7. Dr. Ratna Annisa Utami, S.Si., M.Si. (School of Pharmacy, Institut Teknologi Bandung)
8. Faizal Rachman, S.Pi., M.Sc. (Department of Fisheries Universitas Gadjah Mada)
9. Hendra Kurniawan Maury, S.Si., M.Si. (Biology Department, Cenderawasih University)
10. Dr. Ir. Mia Rosmiati, M.P. (School of Life Sciences and Technology, Institut Teknologi Bandung)
11. Prof. Iwan Vanany, S.T., M.T., Ph.D. (Department of Industrial and Systems Engineering, Institut Teknologi Sepuluh Nopember)
12. Kurnia Ilham, S.Si., M.Sc. (Department of Biology, Andalas University)
13. Dr. Listya Utami Karmawan, S.Si., M.Si. (Faculty of Biotechnology, Unika Atmajaya)
14. Michael D. Gumert, Ph.D. (Nanyang Technological University)
15. Mochamad Firmansyah, S.T., M.Si. (School of Life Sciences and Technology, Institut Teknologi Bandung)
16. Musyarofah Zuhri, S.Si., M.Si. (Cibodas Botanical Garden, National Research and Innovation Agency (BRIN))
17. Dr. Noviana Vanawati, S.Si., M.Si. (School of Life Sciences and Technology, Institut Teknologi Bandung)
18. Popi Septiani, S.Si., M.Si., Ph.D. (School of Life Sciences and Technology, Institut Teknologi Bandung)
19. Putri Budi Setyowati, S.P., M.Sc. (Faculty of Agriculture, Universitas Brawijaya)
20. Rachman Hartono, S.P., M.P. (Faculty of Agriculture, Universitas Brawijaya)
21. Rien Ritawidya, S.Si., M.Farm. (National Nuclear Energy Agency of Indonesia (BATAN))
22. Sinar Pagi Sektiana, S.Si, M.Si. (State College of Fisheries Jakarta (Politeknik Ahli Usaha Perikanan (AUP-STP) - Jakarta Technical University of Fisheries))
23. Ulfah Mardhiah Siregar, Ph.D. (Wildlife Conservation Society – Indonesia Program)
24. Dr. Ir. Yooce Yustiana, M.Si. (School of Life Sciences and Technology, Institut Teknologi Bandung)

3Bio Journal of Biological Science, Technology and Management Guidelines for Authors

Submitting your manuscript: Manuscript for publication should be submitted electronically to 3BIO: Journal of Biological Sciences, Technology and Management to facilitate rapid publication and minimize administrative costs. All manuscripts should be submitted through online submission system. A user ID and password for the site can be obtained on first use. Online submission ensures the quickest possible review and allows authors to track the progress of their papers. In order to submit a NEW Manuscript to 3BIO: Journal of Biological Sciences, Technology and Management, you must be a registered user of 3BIO Journal, if you do not register, please register before you submit a NEW Manuscript. Submissions by anyone other than one of the authors will not be accepted. The submitting author takes responsibility for the paper during submission and peer review.

Other relevant correspondence should be sent to The Editorial Office of the 3BIO Journal of Biological Science, Technology and Management, c/o Dr. Rudi Dungani, School of Life Sciences and Technology, Institut Teknologi Bandung, Jl. Ganesha 10 Bandung 40132, Indonesia. Phone +62-22-2500258 Fax +62-22-2534107 E-mail: support3BIO@sith.itb.ac.id

Type of articles: Articles may be in the form of Research article, Review article or Short communication. Research articles are reports of recent advances on the research of selected topics. Short communications are concise, but independent report representing a significant contribution in the field.

Manuscript form: All manuscript must be written in English. Please ensure the following when submitting your manuscript to 3BIO:

1. The manuscript has not been submitted/published earlier in any journal and is not under consideration for publication elsewhere (or an explanation has been provided in Comments to the Editor section).
2. All authors have seen and approved the manuscript and have contributed significantly for the manuscript.
3. The submitted file should be in OpenOffice, Microsoft Word, RTF, or WordPerfect document file format.
4. Cover letter should be written in Comments to the Editor section or submitted as a separate file in the Supporting Files section.
5. The text is single-spaced, uses a 12-point font, employs italics rather than underlining (except with URL addresses), and all illustrations, figures and tables are placed within the text at the appropriate points, rather than at the end of the document.
6. The text adheres to the stylistic and bibliographic requirements outlined in the Author Guidelines, which is found in the 'Guidelines to references' page.
7. Where available, URLs for the references should be provided.

Referencing: 3Bio uses Vancouver citation style. Vancouver is a numbered referencing style commonly used in medicine and science, and consists of:

- Citations to someone else's work in the text, indicated by the use of a number.
- A sequentially numbered reference list at the end of the document providing full details of the corresponding in-text reference.

It follows rules established by the International Committee of Medical Journal Editors, now maintained by the U.S. National Library of Medicine. It is also known as Uniform Requirements for Manuscripts submitted to Biomedical Journals.

File Size and Format: Manuscripts will be distributed to reviewers via the Web. However, reviewers who use telephone modems may experience unacceptable download delays if the files are too large. A number of simple tricks can be used to avoid unnecessarily large files. Do not scan pages of text. Do not scan printed Figures unless no original digital document exists.

If a scanned figure is unavoidable, please use Adobe Photoshop or a similar program to edit the file and reduce the file size (not necessarily the image size) as much as possible before submission. For example, crop the picture to exclude surrounding "white space." Do not carelessly use colour. Black and white line drawings or gray-scale figures should not be saved as color documents; this will increase file sizes without increasing the information content of the file. Do not use colour unless absolutely needed to convey information.

Readability: A paper may be returned to the corresponding author for no other reason than that it suffers due to poor English. Papers must be understandable and communicate an unambiguous message. The editors and staff can make only a limited number of edits, and it is the responsibility of the authors to obtain help from a colleague who is fluent in English if that is needed. Most problems occur when there are nuances in meaning, and the authors bear the primary responsibility for clarity. Poor English may ultimately be a reason to refuse a paper.