

p-ISSN 2549-6980, e-ISSN 2622-0628
VOLUME 7 NUMBER 2 - JUNE 2023



ADVANCES IN TROPICAL BIODIVERSITY AND ENVIRONMENTAL SCIENCES



PUBLISHED BY
INSTITUTE FOR RESEARCH AND COMMUNITY SERVICES,
UDAYANA UNIVERSITY, BALI, INDONESIA

Advances in Tropical Biodiversity and Environmental Sciences

p-ISSN 2549-6980, e-ISSN 2622-0628

EDITOR IN CHIEF

Ni Luh Watiniasih (*Udayana University, Indonesia*)

CO-EDITORS IN CHIEF

I Made Merdana (*Udayana University, Indonesia*)

EDITORIAL BOARDS

Paul Bailey (<i>Emiretus of Monash University, Melbourne, Australia</i>)	Kalidas Shetty (<i>North Dakota State University, Fargo, ND, USA</i>)
Randall W. Robinson (<i>Victori University, Melbourne, Australia</i>)	Made Pharmawati (<i>Udayana University, Indonesia</i>)
Desak Made Malini (<i>Padjajaran University, Indonesia</i>)	Chartchai Khanongnuch (<i>Chiang Mai University, Thailand</i>)
Supiana Dian Nurtjahtyani (<i>PGRI Ronggolawe University, Indonesia</i>)	Jasmine Masyitha Amelia (<i>Ganesha Education University, Indonesia</i>)
Lebrina Ivantry Boikh (<i>Nusa Cendana University, Indonesia</i>)	I Komang Ari Mogi (<i>Udayana University, Indonesia</i>)

PUBLISHER

Research Center and Community Service Board, Udayana University
Campus of Bukit Jimbaran, Badung, Bali, Indonesia.

SCOPE OF JOURNAL

Advances in Tropical Biodiversity and Environmental Sciences (ATBES) is a peer-reviewed journal which devoted to the advancement and dissemination of scientific knowledge concerning tropical biodiversity and environmental sciences throughout the world for researchers and professionals. The scope of journal is wide and multidisciplinary that publishes original research papers, review articles, as well as conceptual, technical and methodological papers on all aspects includes research findings, experimental design, analysis and recent application in tropical biodiversity and environmental science studies. This journal published in English and being distributed worldwide. It covers scientific and technological aspects from all fields that have general relevance to tropical biodiversity and environmental sciences including investigations on tropical biodiversity, systematics and taxonomy, terrestrial and aquatic ecology, wildlife management and control, ethnobotany and ethnozoology, tropical plant and animals cultivation, natural product chemistry, ecotourism, environmental remediation and management, and geographic information system (GIS), remote sensing and other modeling application for environmental studies.

ABOUT JOURNAL

Advances in Tropical Biodiversity and Environmental Sciences (ATBES) is a scientific journal published since 2017. The journal consistently publishes twice a year (February and September). The journal is registered in Google Scholars, SINTA 4, and Dimensions. ATBES is employing a Cross Check Ref to prevent any suspected plagiarism in the manuscripts.

SECRETARIAT OF ATBES

Kampus Bukit Jimbaran, Badung, Bali. 80361

Phone / Fax: +62-361-703367

E-mail: atbes@unud.ac.id

Website: <https://ojs.unud.ac.id/index.php/ATBES>

Advances in Tropical Biodiversity and Environmental Sciences

Vol. 7, No. 2, June 2023

TABLE OF CONTENTS

EFFECT OF DIFFERENT STOCKING DENSITY ON THE GROWTH OF CATFISH (CLARIAS GARIEPINUS) IN AQUAPONICS BUDIKDAMBER SYSTEM

Pages 40 - 46

Ratriana Hartini Saleh*, Pande Gde Sasmita Julyantoro, and Dewa Ayu Angga Pebriani

DEGRADATION OF THE AQUATIC ENVIRONMENT AFFECTED BY URBAN LIQUID WASTE IN TUJUH MUARA LAKE, PAMULANG DISTRICT, SOUTH TANGERANG

Pages 47 - 54

Kevin Ewaldo*, Evans Azka Fajrianshah, and Supriatno

HEALTHY COOKIES: NUTRITIOUS FOOD INNOVATION THROUGH FORTIFICATION BY-PRODUCTS OF TUNA (THUNNUS SP.) FISH BONE FLOUR

Pages 55 - 62

Gressty Sari Br Sitepu*, Safira Noor Andayani, Gede Iwan Setiabudi, Made Dwipa Kusuma Maharani, Fenny Crista Anastasia Panjaitan

INSECT BIODIVERSITY IN MANGROVE AREA OF TATENGESAN VILLAGE, PUSOMAEN DISTRICT IN SOUTHEAST MINAHASA, NORTH SULAWESI

Pages 63 - 69

Feby Febrianty Toding Rante, Yermia Samuel Mokusuli*, Iriani Setyawati, Ferny Margo Tumbel, and Helen Joan Lawalata

POTENTIAL AND CARRYING CAPACITY OF TOURISM AREA IN ONANBALU BEACH, BOKONUSAN VILLAGE, SEMAU ISLAND, KUPANG DISTRICT

Pages 70 - 79

Fandrianus Dhen Manu, Alexander Leonidas Kangkan, and Suprabadevi Ayumayasari Saraswati*

THE EFFECT OF COCOFIT ADDITION IN PLANT MEDIA ON THE QUALITY AND QUANTITY OF PAPAYA SEEDS (CARICA PAPAYA L.VAR.CALINA)

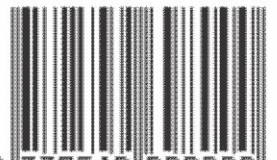
Pages 80 - 86

Arrijani* and Iriani Setyawati

WRITING GUIDANCE

1. *Advances in Tropical Biodiversity and Environmental Sciences* is issued twice a year, each February and September.
2. Technical paper is an original work none published yet or would be published to other journal.
3. Technical papers could be result from research formatted science or technology, research result, literature review study, methodology study, critical original idea, review of important issue in recent development.
4. Technical paper is written in English. The organization of the paper includes Abstract, Introduction, Research Method, Results and Analysis, Conclusion, Thanks Giving (if any) and Reference. The paper length is maximum 8 pages including tables and figures.
5. Abstract should briefly summarize the essence of the paper and address objective, technology or method, results, conclusions, and clinical impact.
6. Technical paper submitted for publication must advance the state of knowledge and must cite relevant prior work.
7. The paper is written according to the template of IRCS UNUD Journals.
8. All accepted papers should complete and sign the copyright form and publishing agreement form, and sent to atbes@unud.ac.id.
9. Technical paper can be submitted to the site <http://ojs.unud.ac.id/index.php/atbes> or sent to atbes@unud.ac.id.
10. The IRCS UNUD Journal address:

Gedung LPPM Universitas Udayana Lantai 4
Jl. Kampus Bukit Jimbaran, Badung, Bali
Telp./fax.: (0361)704622/703367



9 772549 698000