p-ISSN 2549-6980, e-ISSN 2622-0628 VOLUME 5 NUMBER 2 - AUGUST 2021



# ADVANCES IN TROPICAL BIODIVERSITY AND ENVIRONMENTAL SCIENCES



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**

Iriani Setyawati (Udayana University, Indonesia) I Made Merdana (Udayana University, Indonesia)

### EDITORIAL BOARDS

Paul Bailey (Emiretus of Monash University, Melbourne, Australia) Randall W. Robinson (Victori University, Melbourne, Australia) I Wayan Kasa (Udayana University, Indonesia) Supiana Dian Nurtjahtyani (PGRI Ronggolawe University, Indonesia) Suprabadevi Ayumasari Saraswati (Nusa Cendana University, Indonesia) Kalidas Shetty (North Dakota State University, Fargo, ND, USA) Made Pharmawati (Udayana University, Indonesia) Chartchai Khanongnuch (Chiang Mai University, Thailand) Gede Iwan Setiabudi (Ganesha Education University, Indonesia) I Komang Ari Mogi (Udayana University, Indonesia)

#### 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 (Pebruary 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. 5, No. 2, August 2021

## TABLE OF CONTENTS

# EFFECT OF THIOPHENONE COMPOUND ON MOTILITY AND CASEINASE PRODUCTION OF AEROMONAS HYDROPHILA

#### Pages 40-44

Ayu Ashari Margareth Sinaga, Pande Gde Sasmita Julyantotro, and Dewa Ayu Angga Pebriani

## MALASSEZIA SP. INFECTION PREVALENCE IN DERMATITIS DOGS IN BADUNG AREA

#### Pages 45-49

Putu Henrywaesa Sudipa, Ketut Tono Pasek Gelgel, and Putu Devi Jayanti

#### EFFECT OF DIFFERENT STOCKING DENSITIES ON THE GROWTH AND SURVIVAL RATE OF TILAPIA (OREOCHROMIS NILOTICUS) SEEDS IN BATUR LAKE FLOATING NET CAGES Pages 50-56

Hikmah Nurazizah, I Wayan Arthana, and Gde Raka Anggara Kartika

# The Structure of Macrozoobenthos Community as a Bioindicator of Water Quality in Gilimanuk Bay, Jembrana Regency, Bali

Pages 57-63

Yohana Christanti Ndale, I Wayan Restu, and Ni Putu Putri Wijayanti

# EFFECT OF GIVING DIFFERENT DOSES OF VITAMIN E IN FEED TO THE LEVEL OF GONAD MATURITY OF TILAPIA (OREOCHROMIS NILOTICUS)

Pages 64-68

Gunawan Tarigan, I Wayan Arthana, and Dewa Ayu Angga Pebriani

# PROFILE OF LEACHATE AND SEA WATER IN THE WASTE PROCESSING AREA SUWUNG, DENPASAR, BALI

#### Pages 69-72

Pande Kadek Ari Iswari, I Wayan Restu, and Ni Made Ernawati

## 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

