

ISSN 2549-6980

VOLUME 2 NUMBER 2 - SEPTEMBER 2018



# 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**

**ISSN 2549-6980**

## **EDITOR IN CHIEF**

Ni Luh Watiniasih (*Udayana University, Indonesia*)

## **CO-EDITORS IN CHIEF**

Pande Gde Sasmita Julyantoro (*Udayana University, Indonesia*)

Iriani Setyawati (*Udayana University, Indonesia*)

I Made Merdana (*Udayana University, Indonesia*)

I Komang Ari Mogi (*Udayana University, Indonesia*)

## **EDITORIAL BOARDS**

I G N Kade Mahardika  
(*Udayana University, Indonesia*)  
Randall W. Robinson  
(*Victori University, Melbourne, Australia*)  
I Wayan Kasa  
(*Udayana University, Indonesia*)

Kalidas Shetty  
(*North Dakota State University, Fargo, ND, USA*)  
Made Pharmawati  
(*Udayana University, Indonesia*)  
Chartchai Khanongnuch  
(*Chiang Mai University, Thailand*)

Paul Bailey  
(*Emiretus of Monash University, Melbourne, Australia*)

## **PUBLISHER**

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

## **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 August). The journal is registered in DOAJ. 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](mailto:atbes@unud.ac.id)

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

# **Advances in Tropical Biodiversity and Environmental Sciences**

**Vol. 2, No. 2, September 2018**

## **TABLE OF CONTENTS**

**INVERTEBRATES DIVERSITY IN MERTA SEGARA BEACH AND NYANGNYANG BEACH:  
COMPARISON STUDY OF TWO BEACHES WITH DIFFERENT CHARACTERISTICS**

*Pages 14-20*

Buya Azmedia Istiqlal, I Wayan Kasa, Deny Suhernawan Yusup

**PRELEMINARY STUDY OF ALGASIDAL ACTIVITIES OF THE EPISYMBIONT BACTERIAL  
CONSORTIUM FROM *Enhalus acoroides***

*Pages 21-26*

Gede Iwan Setiabudi, Ocky Karna Radjasa, Dietriech G. Bengen, Hefni Effendi

**CORAL FISH ECOLOGY *Syngnathidae* AS ECOTOURISM SUPPORTING POWER IN BLUE  
LAGOON COASTAL WATERS KARANGASEM, BALI**

*Pages 27-30*

Suprabadevi Ayumayasari Saraswati, Dewa Ayu Angga Pebriani, Kolis Pratama

## 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](mailto: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](mailto: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