

p-ISSN 2085-191X (print)  
e-ISSN 2338-7610 (online)

# Biosaintifika

Journal of Biology & Biology Education



Source: wikimedia.org



Nationally Accredited by Ministry of Research, Technology and Higher Education 2019-2024

Biosaintifika	Volume 12	Number 1	Pages 1-131	Semarang April 2020	p-ISSN 2085-191X (print) e-ISSN 2338-7610 (online)
---------------	-----------	----------	-------------	------------------------	---

## AIMS AND SCOPE

Biosaintifika [Nationally Accredited by Ministry of Research, Technology and Higher Education, Number 2/E/KPT/2015 periode 2015-2020], an electronic international journal, provides a forum for publishing the original research articles from contributors, and the novel technology news related to biological research and biological education.

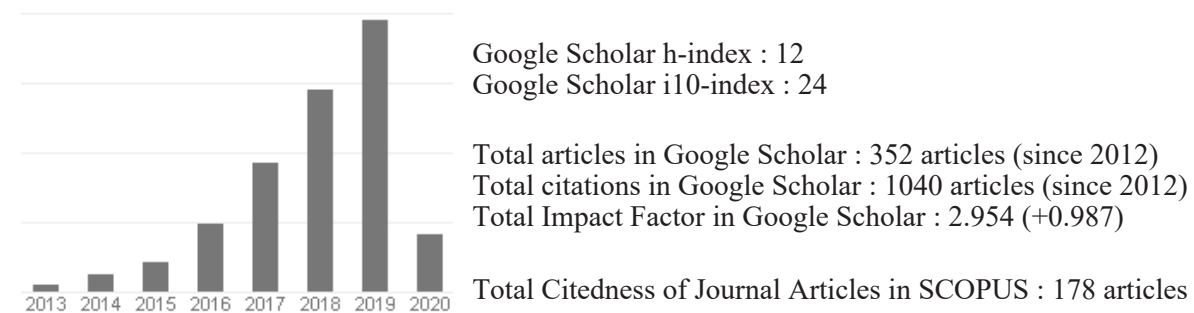
Scientific articles dealing with botany, zoology, environmental, and biotechnology, etc. are particularly welcome. This journal encompasses original research articles including: botany; zoology; environmental; biotechnology; ethnobotany; ecotourism; biochemistry; biology education.

## PUBLICATION INFORMATION

Biosaintifika [p-ISSN 2085-191X | e-ISSN 2338-7610] has been published three a year, April, August and December by Department of Biology, Faculty of Mathematics and Sciences, Universitas Negeri Semarang, Indonesia collaborate with Perhimpunan Biologi Indonesia.

This journal has been a CrossRef Member [DOI 10.15294/biosaintifika] since 2014, so that all articles published by this journal have DOI unique numbers. This journal has been abstracted and distributed by EBSCO Publishing started from Volume 6 Number 2 Year 2014 to present. This journal has been a DOAJ since 2015, CABI since 2016 and ASEAN Citation Index since 2018.

## JOURNAL CITATIONS AND IMPACT FACTOR



For best and  
innovative research  
papers, click

[journal.unnes.ac.id](http://journal.unnes.ac.id)

## SUBSCRIPTION

Annual Subscription (3 issues: April, August & December). Combined Institutional Rate (print + electronic): Rp. 1.500.000,-. Please send your application to e-mail biosaintifika@gmail.com with :

Subject : Subscription  
Content : Name, Address, Receipt of Payment

Payment to Bank Negara Indonesia (BNI)  
Account Number 04 300 222 75 name Lutfia Nur Hadiyanti

## JOURNAL HISTORY

Biosaintifika was established in 2009. The title with its subtitle was Biosaintifika: Berkala Ilmiah Biologi. Started from Volume 5, Number 2 Year 2013, the journal was only published by using one language namely English. The name of the journal with the sub-title was changed to Biosaintifika: Journal of Biology & Biology Education.

# TABLE OF CONTENTS

Volume 12, Number 1, April 2020

- 1-9 **Production of Conidia by Entomopathogenic Fungi and Their Pathogenicity Against *Coptotermes* sp.**  
Deni Zulfiana, Apriwi Zulfitri, Anis Sri Lestari, Ni Putu Ratna Ayu Krishanti, Dita Meisyara
- 10-20 **Isolation and Identification of Actinomycetes Associated with Moss on the Surface of the Borobudur Temple Stone**  
Ade Lia Putri, Debora Christin Purbani, Atit Kanti, Mia Kusmiati, Moh Habibi
- 21-27 **Application of Rice Root Endophytic Bacteria in Ciherang Variety Rice (*Oryza sativa*) Seeds**  
Lenni Fitri, Yulia Sari Ismail, Putriani Putriani, Warzatullisna Warzatullisna
- 28-34 **Phycocyanin from *Spirulina platensis* Induces Cytotoxicity and Apoptosis in T47D Cells**  
Safira Chairani Dimarti, Neni Susilaningsih, Renni Yuniati
- 35-41 **Induction and Growth Kinetics Callus of Tomato (*Solanum lycopersicum*)**  
Arkan Setiaji, RR Rifka Annisa, Rumiayati Rumiayati, Endang Semiarti
- 42-49 **Cytotoxicity and Antiproliferation of Phycocyanin from *Spirulina platensis* Extract on WiDr Colon Cancer Cell Line**  
Ajeng Kurniasari Putri, Safira Chairani Dimarti, Renni Yuniati, Neni Susilaningsih
- 50-56 **Anthracnose Disease on Vegetables Crops in Serang Village, District of Karangreja, Purbalingga Regency**  
Eddy Tri Sucianto, Muachiroh Abbas, Endang Sri Purwati
- 57-63 **Growth Performance, Yield Component and Genotypic Response of Mungbean (*Vignaradiata* L.) Against Soil Borne Diseases**  
Emerensiana Uge, Rudi Iswanto, Ratri Tri Hapsari, Trustinah Trustinah
- 64-69 **Microbiological Quality and Proximate Composition of Bakasang Laor, a Traditional Fermented Fishery Product in Maluku**  
Ferymon Mahulette, Tri Santi Kurnia
- 70-75 **Tyrosinase Inhibition, Antiglycation, and Antioxidant Activity of *Xylocarpus granatum***  
Irmanida Batubara, Maily Mustofa, Wulan Tri Wahyuni, Kilala Tilaar, Waras Nurcholis, Fransiska Devy Junardy, Yogo Suro Priyadi, Erna Subroto, Saat Egra, Nevianti Zamany
- 76-82 **Detection of Powdery Mildew Resistance Gene in Melon Cultivar Meloni Based on SCAR Markers**  
Muhammad Alif Ishak, Budi Setiadi Daryono
- 83-89 **The Potential of *Cnidocolus chayamansa* Alcoholic Leaves Extract as Hypolipidemia Agent**  
Retno Sri Iswari, Ibnul Mubarak, Fitri Arum Sasi
- 90-96 **Effect of Induced Polyploidy on Plant Growth, Chlorophyll and Flavonoid Content of *Artemisia cina***  
Sri Kasmiyati, Elizabeth Betty Elok Kristiani, Maria Marina Herawati

- 97-103 **Traditional Knowledge of Banyumas Community about *Mesua ferrea* as the Identity Plant**  
Enni Suwarsi Rahayu, Erni Suharini, Siti Fathonah, Aisirotul Maisah
- 104-110 **Molecular Barcoding Reveal the Existence of Mole Crabs *Emerita emeritus* in North Coast of Central Java**  
Dian Bhagawati, Elly Tuti Winarni, Agus Nuryanto
- 111-118 **Potentials of Carbon Stored in Plant Biomass at Little Farmers Grassland Cisarua, West Bandung Regency**  
Annas Dwitri Malik, Komang Yoga Zso Zsa Dewa, Parikesit Parikesit, Susanti Withaningsih, Ratna Wingit
- 119-124 **Heritability Analysis of Local Corn Cultivars from Kisar Island Southwest Maluku After Induced with Colchicine**  
Hermalina Sinay, Jonetha Tanrobak
- 125-131 **The Effect of Glutathione on The Quality of Aceh Local Catfish (*Clarias gariepinus*) Spermatozoa After Cryopreservation**  
Raudhah Mahfudhah, Kartini Eriani, Zainal Abidin Muchlisin, Cut Ruhul Muthmainnah