

e-ISSN 2614-8528  
p-ISSN 2598-9723



VOL. 7 NO. 1, April 2022

Available online at :  
<https://jurnal.unej.ac.id/index.php/GEOSI>

# GEOSFERA INDONESIA



**Published By:**

**DEPARTMENT OF GEOGRAPHY EDUCATION**

**UNIVERSITY OF JEMBER**

# GEOSFERA INDONESIA, VOL. 7 NO. 1 (2022)

Accredited (SINTA 2) by the Ministry of Research and Technology of the Republic of Indonesia (RISTEKBRIN), [No. 200/M/KPT/2020](#)

## **EDITORIAL BOARD**

### **EDITOR IN CHIEF**

**Fahmi Arif Kurnianto (SCOPUS ID: 57208473928)**  
Department of Geography Education, University of Jember, Indonesia

### **INTERNATIONAL ADVISORY EDITORIAL BOARDS**

**Mihai Ciprian Margarint (SCOPUS ID : 36698019400)**  
Department of Geography, Alexandru Ioan Cuza University of Iasi, Romania

**Fahrudi Ahwan Ikhsan (SCOPUS ID : 57208469257)**  
Department of Geography Education, University of Jember, Indonesia

**Mustafa Ustuner (SCOPUS ID : 56246446800)**  
Department of Geomatics Engineering, Yildiz Technical University, Turkey

**Bashkim Idrizi (SCOPUS ID : 55937683800)**  
Department of Geodesy, University "Mother Teresa" -Skopje, Macedonia

**Guillermo Hector Re (SCOPUS ID : 7102894803)**  
Department of Geology, Universidad de Buenos Aires, Buenos Aires, Argentina

**Laras Tursilowati (SCOPUS ID : 55317967300)**  
Indonesian National Institute of Aeronautics and Space (LAPAN), Indonesia

**Elan Artono Nurdin (SCOPUS ID : 57192649049)**  
Department of Geography Education, University of Jember, Indonesia

**M. Asyroful Mujib (SCOPUS ID : 57217104177)**  
Department of Geography Education, University of Jember, Indonesia

**Lyubka Pashova (SCOPUS ID : 6506546577)**  
National Institute of Geophysics, Geodesy and Geography, Bulgarian Academy of Sciences, Sofia, Bulgaria

**Mohmadisa Hashim (SCOPUS ID : 55214571400)**  
Department of Geography & Environment, Universiti Pendidikan Sultan Idris, Malaysia

**Fajar Rizki Widiatmoko (SCOPUS ID : 57218205475)**  
Faculty of Mineral & Marine Technology, Institut Teknologi Adhi Tama Surabaya, Indonesia

**Era Iswara Pangastuti (SCOPUS ID : 57208469549)**  
Department of Geography Education, University of Jember, Indonesia

**Bejo Apriyanto (SCOPUS ID : 57208468203)**  
Department of Geography Education, University of Jember, Indonesia

## FOCUS AND SCOPE

Geosfera Indonesia is a journal publishes original research, review, and short communication (written by researchers, academicians, professional, and practitioners from all over the world) which utilizes geographic and environment approaches (human, physical landscape, nature-society and GIS) to resolve human-environment interaction problems that have a spatial dimension. Moreover, Geosfera Indonesia also committed to enhance and share original research, review, and short communication (written by researchers, academicians, professional, and practitioners from all over the world) on geography education and environmental education.

Our journal's scope includes :

1. Geography Education
2. Physical Geography
3. Human Geography
4. Geographic Information System (GIS)
5. Remote Sensing
6. Environmental Science
7. Environmental Education
8. Disaster Risk Reduction

## PUBLICATION INFORMATION

Geosfera Indonesia (Geos. Ind.) : |ISSN: 2598-9723 (Print)|ISSN: 2614-8528 (Online) is an international open access and peer-reviewed journal, published by Department of Geography Education, University of Jember, Indonesia. Its published three times a year in April, August, and December. Geosfera Indonesia is Accredited (**SINTA 2**) by the Ministry of Research and Technology of the Republic of Indonesia (RISTEKBRIN), [No. 200/M/KPT/2020](#). This journal has been covered by following indexing and abstracting services: (1) CABI : CAB Abstracts ; (2) Directory of Open Access Journal (DOAJ); (3) EBSCO; (4) Google Scholar (5) One Search (National Library of Republic of Indonesia), (6) Web of Science.

## SECRETARIAT OF GEOSFERA INDONESIA

Department of Geography Education, University of Jember, FKIP Building, Jl. Kalimantan 37,  
Jember, East Java, 68121, Indonesia.

Telp. (0331) 334988 / 330738

Email : [geografi.fkip@unej.ac.id](mailto:geografi.fkip@unej.ac.id)

Website : <https://jurnal.unej.ac.id/index.php/GEOSI>

## TABLE OF CONTENTS

<b>Surface Groundwater Pollution Dynamics Over 2015-2020 in the Salt Drying Pond of Pademawu Subdistrict, Madura, Indonesia</b> Wisnu Arya Gemilang, Ulung Jantama Wisna, Mas Agus Mardyanto	1-17
<b>Spatio-Temporal Variability Analysis of Rainfall in Kumadugu-Yobe River Basin, Nigeria</b> Ahmed Abubakar Jajere, Ajiya Bulus Sawa, Usman Ado Kibon, Bibi Umar Muhammed, Modibbo Babagana-Kyari	18-41
<b>Performance of Soil Quality: Indicator-Based GIS Analysis of Jamuna-Dhaleshwari and Surma-Kushiyara Floodplain Regions, Bangladesh</b> Tanbi Tanaya Sarker, Sameena Begum, Md. Shohel Khan, Mohammed Abdus Salam, Shehan Tawsif	42-60
<b>Risk Perception and Preparedness in Flash Flood-Affected Communities: Evidence from Bahorok, Indonesia</b> Furqan Ishak Aksa, Egianinta Sinulingga	61-71
<b>Outdoor Learning to Improve the Wetland Ecological Literacy of Geography Education Students</b> Faisal Arif Setiawan, Aswin Nur Saputra	72-84
<b>Impact of Geographic Conditions on Sirri Marriage Phenomenon in Situbondo District</b> Singgih Susilo, Budijanto Budijanto, Ifan Deffinika, Novia Fitri Istiawati	85-95
<b>Rain Station Network Analysis in the Sampean Watershed: Comparison of Variations in Data Aggregation</b> Entin Hidayah, Gusfan Halik, Minarni Nur Trilita	96-108
<b>Local Wisdom Values of the Pulo Traditional Village Community in Environmental Management</b> Yani Sri Astuti, Revi Mainaki, Anita Eka Putri	109-118