e-ISSN 2614-8528 p-ISSN 2598-9723 Geos. Ind.



VOL. 5 NO. 3, December 2020

Available online since 30 December 2020 at: https://jurnal.unej.ac.id/index.php/GEOSI/issue/view/1064

GEOSFERA INDONESIA



Published By:

DEPARTMENT OF GEOGRAPHY EDUCATION
UNIVERSITY OF JEMBER

GEOSFERA INDONESIA, VOL. 5 NO. 3 (2020)

Accredited by the Ministry of Research , Technology , and Higher Education of the Republic of Indonesia, No. 30/E/KPT/2019

EDITORIAL TEAM

EDITOR IN CHIEF

Fahmi Arif Kurnianto (SCOPUS ID: 57208473928)

Department of Geography Education, University of Jember, Indonesia

ADVISORY INTERNATIONAL EDITORIAL BOARDS

Mihai Ciprian Margarint (SCOPUS ID: 36698019400)

Department of Geography, Alexandru Ioan Cuza University of Iasi, Romania

Franck Lavigne (SCOPUS ID: 15738234900)

Physical Geography Laboratory, Université Paris 1 Panthéon-Sorbonne, France

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

Kuppanagounder Kumaraswamy (SCOPUS ID: 6602935596)

Department of Geography, Bharathidasan University, Tiruchirappalli, India

FOCUS AND SCOPE

Geosfera Indonesia welcomes High Quality Original Research Articles, Short Communications, and Review Articles written by researchers, academicians, professional, and practitioners from all over the world about : (1) Geography Education : Collaborative learning; Comparative Learning; e-learning; Instructional technology; Learning community; Remedial Teaching; Taxonomy of Educational Objectives (Bloom's Taxonomy); New Technology; Industry and Education: A Continous Collaboration; Blended Learning; Character; Constructivist Learning; Disrupting Innovation; Expeditionary Learning; Flexible Learning; Flipped Classroom; Flipped Learning; Gamification; Global View; Ground Up Diversity; High-Quality Teachers; Hip-Hop Education (HipHopEd); Lesson Study; Mobile Education; Problem Based Learning; Process Oriented Guided Inquiry Lessons (POGIL); Project Based Learning (PBL); Start-up; Student Centred Learning; Autodidacticism (Self-teaching); Informal learning; Unschooling or homeschooling; PISA Task, (2) Physical Geography: tectonics and regional structure; glacial processes and landforms; fluvial sequences; fluvial processes and landforms; mass movement; hillslopes and soil erosion; slopes processes; karst processes and landforms; aeolian processes and landforms; coastal dunes and arid landforms; coastal and marine processes; theoretical and quantitative geomorphology; geomorphology; soil geography; lithology; hydrogeography, (3) Human Geography: Cultural Geography: Political Geography: Social Geography: Population Geography: Urban Geography. (4) Geographic Information System (GIS): data collection and acquisition; data structures and algorithms; spatio-temporal databases; spatial analysis, data mining, and decision support systems; cartography; location based services; uncertainty handling in spatial data; topology; geo-computation; geo-telematics; spatial information infrastructures; interoperability and open systems; applications of geoinformation technology (all possible domains), (5) Remote Sensing: Multi-spectral and hyperspectral remote sensing; Active and passive microwave remote sensing; Lidar and laser scanning; Geometric reconstruction; Physical modeling and signatures; Change detection; Image processing and pattern recognition; Data fusion and data assimilation; Dedicated satellite missions; Operational processing facilities; Spaceborne, airborne and terrestrial platforms; Remote sensing applications, (6) Environmental Science: Environmental Geography; Environmental Education; Climate Change; land use and cover change; pollution; natural resources management; conservation; Management and valorisation of waste; Development of methods for environmental quality management; Environmental system modelling and optimization; Environmental analysis and assessment; Social, economic and policy aspects of environmental management, (7) Disaster Risk **Reduction**: Risk awareness and assessment including hazard analysis and vulnerability/capacity analysis for natural disaster risk reduction; Knowledge development including education, training, research and information for natural disaster risk reduction; Public commitment and institutional frameworks, including organisational, policy, legislation and community action for natural 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 by the Ministry of Research, Technology and Higher Education of the Republic of Indonesia (RISTEKDIKTI), No. 30/E/KPT/2019. This journal has been covered by following indexing and abstracting services: (1) CABI: CAB Abstracts (Web of Science); (2) Directory of Open Access Journal (DOAJ); (3) EBSCO; (4) Google Scholar (5) One Search (National Library of Republic of Indonesia); (6) SINTA 2.

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

TABLE OF CONTENTS

The Assessment of Deforestation Impact Towards Microclimate and	
Environment in Ilorin, Nigeria Toluwalope Mubo Agaja, Elisha Ademola Adeleke, Enekole Esther Adeniyi, Precious Temilade Afolayan	301-317
Development of Multimedia Learning Geography Based on Adobe Flash to Increase Students' Curiosity Wahid Yuda Rejeki* and M. Mukminan	318-334
Geospatial Approach for the Analysis of Forest Cover Change Detection using Machine Learning R. Sanjeeva Reddy, G. Anjan Babu, A. Rama Mohan Reddy	335-351
Emerging Geospatial Technologies in Environmental Research, Education, and Outreach Sergio Bernardes, Margueritte Madden, Ashurst Walker, Andrew Knight, Nicholas Neel, Akshay Mendki, Dhaval Bhanderi, Andrew Guest, Shannon Healy, Thomas Jordan	352-363
A Review Paper on Monitoring Environmental Consequences of Land Cover Dynamics with The Help of Geo-informatics Technologies Zivad Ahmed Abdo. Satva Prakash	364-389