

JGE (Jurnal Geofisika Eksplorasi)

JGE (Jurnal Geofisika Eksplorasi) - *Journal of Exploration Geophysics* - is a double-blind peer-reviewed journal managed and published by **Geophysical Engineering Department, Engineering Faculty, Universitas Lampung**. JGE is published periodically (three times a year) in March, July, and November. JGE is available for free (open access) to all readers. The articles in JGE include developments and research in **Geophysical Exploration** and **Earth Science** (theoretical studies, experiments, and their applications).

Person in Charge

Head of Geophysical Engineering Department
Engineering Faculty
Universitas Lampung

Editor in Chief

Ir. Rahmat Catur Wibowo, S.T., M.Eng., IPM.

Editorial Advisory Board

Prof. Dr. Ir. Muh. Sarkowi, IPU, Geophysical Engineering, Universitas Lampung, INA
Prof. Dr. Ir. Nandi Haerudin, IPM, Geophysical Engineering, Universitas Lampung, INA
Prof. Dr. Ir. Ahmad Zaenudin, Geophysical Engineering, Universitas Lampung, INA
Prof. Dr. Andri Dian Nugraha, M.Si, Geophysical Engineering, ITB, INA
Prof. Adi Susilo, Geophysics, Universitas Brawijaya, INA
Dr. Ir. D. Hendra Amijaya, M.T., IPM, Geological Engineering, UGM, INA
Dr. Frinsyah Virgo, Geophysics, Universitas Sriwijaya, INA
Dr. Maman Hermana, Petroleum Geoscience, UTP, MYS
Indra Arifianto, S.T., M.Eng., Earth Resources Engineering, KYUSHU, JPN
Ir. Juan Pandu G.N. Rochman, M.T., Geophysical Engineering, ITS, INA

Editorial Member

I B Suananda Yogi, S.T., M.T., Petroleum Geoscience, UTP, MYS
Isti Nur Kumalsari, S.T., M.T., Geophysical Engineering, Universitas Lampung, INA
Andri Kurniawan, S.T., M.T., Geophysical Engineering, Universitas Lampung, INA
Ridho Destawan, S.T., M.T., Geophysical Engineering, Universitas Lampung, INA
Sandri Erfani, S.Si., M.Eng., Geophysical Engineering, Universitas Lampung, INA
Istifani Ferucha, S.T., Geophysical Engineering, ITB, INA

Postal Address

Jurusang Teknik Geofisika, Fakultas Teknik Universitas Lampung
Jl. Prof. Dr. Sumantri Brojonegoro No.1 Bandar Lampung
Telp. (0724)704947 Fax. (0721)704947
Email: jge.tgu@eng.unila.ac.id
Website: <https://jge.eng.unila.ac.id/index.php/geoph>

JGE Peer-Reviewer

- Prof. Dr. Ir. Hendarmawan, M.Sc., Universitas Padjajaran, Indonesia
Prof. Suharso, P.hD., Universitas Lampung, Indonesia
- Prof. Dr. Ir. Binarko Santoso, R&D Centre for Mineral and Coal Technology, Indonesia
Prof. Dr. Drs. Sismanto, M.Si., Universitas Gadjah Mada, Indonesia
- Prof. Sri Widiyantoro, M.Sc., P.hD., Institut Teknologi Bandung, Indonesia
- Prof. Ir. Lambok Hutasoit, M.Sc., P.hD., Institut Teknologi Bandung, Indonesia
Prof. Dr. Supriyadi, Universitas Negeri Semarang, Indonesia
- M. Yusuf Nur Khakim, Ph.D., Universitas Sriwijaya, Indonesia
Dr. Muksin Umar, Universitas Syiah Kuala, Indonesia
- Dr. Tedi Yudistira, Institut Teknologi Bandung, Indonesia
- Dr.Eng. Supriyanto Suparno, M.Sc., Universitas Indonesia, Indonesia
- Dr.Eng. Imam Achmad Sadisun, Institut Teknologi Bandung, Indonesia
Dr.Eng. Suryantini, M.Sc., Institut Teknologi Bandung, Indonesia
- Dr. Maman Hermana, Universiti Teknologi Petronas, Malaysia
- Dr. S.S. Rita Susilawati, Coal and Geothermal Mineral Resources Center, Indonesia
- Dr. Sri Hidayati, Volcanology, Mitigation and Geological Disasters Center, Indonesia
Dr. Eko Januari Wahyudi, Institut Teknologi Bandung, Indonesia
- Dr.Eng. Asep Saepuloh, Institut Teknologi Bandung, Indonesia
- Dr.rer.nat. Wiwit Suryanto, S.Si., M.Si., Universitas Gadjah Mada, Indonesia
Dr. Arif Ismul Hadi, M.Si., Universitas Bengkulu, Indonesia
- Dr. Eng. Yunus Daud, Dipl.Geotherm.Tech., M.Sc., Universitas Indonesia, Indonesia
Dr. Syukri Surbakti, Universitas Syiah Kuala, Indonesia
- Ir. Dida Kusnida, M.Sc., R&D Centre for Marine Geology, Indonesia
- Imam Setiadi, S.Si., M.T., R&D Centre for Marine Geology, Indonesia
Drs. Eddy Supriyana, M.Si., Universitas Padjajaran, Indonesia
- Herning Dyah Kusuma W., M.Eng., Institut Teknologi Nasional Yogyakarta, Indonesia
Rahmadi Hidayat, S.T., M.Eng., University of Wollongong, Australia
Tri Winarno, S.T., M.Eng., Universitas Diponegoro, Indonesia
- M. Haris Miftakhul Fajar, S.T., M.Eng., Institut Teknologi Sepuluh Nopember, Indonesia
M. Firman Gazhali, S.Pd., M.T., Universitas Lampung, Indonesia
Normansyah, S.Si., M.Si., PT. PHE ONWJ, Indonesia
- Ruhul Firdaus, S.T., M.T., Institut Teknologi Sumatera, Indonesia
Rian Amukti, S.Si., M.Sc., LIPI, Indonesia



TABLE OF CONTENTS

- 83 **Earthquake Vulnerability Mapping Based on Microseismic Measurements in The Campus Area Universitas Sarjanawiyata Tamansiswa Yogyakarta,** A.Y. Purnama, K. Nurhanafi, Susanti, N.B. Wibowo, R. Perdhana
- 95 **Landslide Characteristics from Conceptual Modelling of Weathered Layers Using Subsurface Resistivity in Sangon, DIY,** H. Lutfiana, W.S. Giamboro, W. Hidayat, D.I. Sukmawan
- 109 **Optimizing Seismic B-Values in The Java Region Through Voronoi-Based OK1993 Modelling,** Y. Styawan
- 122 **Delineation of Eruption Products and Geothermal Prospect Zones in Mount Slamet, Central Java using Landsat 8 and Geochemical Data,** H.U. Annisa, Y.A. Prasetya, Z.N. Hadna, P.D. Maghfira
- 135 **Last Glacial Maximum-Holocene Rainfall Shifts in The Western Savu Strait Based on Geochemical Proxies,** R.D.W. Ardi, Aswan, K.A. Maryunani, E. Yulianto, P.S. Putra, S.H. Nugroho, E.M. Nurhidayah
- 151 **Site Effects Identification using HVSR Method in Cisarua Hot Spring Area, Natar, South Lampung,** A. Farduwin, P. Nugraha, Y. Styawan, E.Y.P. Lestari, D.P. Julyanti