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Cover Image

Photo of limestone outcrop on the shore of Lake Toba.
M. Ma'ruf Mukti's personal collection

A Preface from Editor-in-Chief

Dear Riset IJGM Readers,

We are pleased to launch the latest volume of Riset Geologi Pertambangan, Indonesian Journal of Geology and Mining (Riset IJGM). Riset IJGM publishes high-quality research papers in geology, mining, applied geophysics, and related topics on behalf of the Research Center for Geotechnology. All articles have been peer-reviewed by experts prior to publication. Riset IJGM maintains high-quality articles to be distributed to the international scientific communities.

This second edition of Volume 31 includes five articles. In the first paper, *Jakah et al.* discuss activated vitric tuff for ground enhanced material. Specific ratios of activated charcoal, NaCl, and cement cellulose improved the resistivity value of the materials. *Sarkowi and Wibowo* integrate gravity data with geological, geochemical, micro-earthquake, and magnetotelluric data. Their study identified three geothermal reservoirs and the prospect areas estimated at a depth of 1,000-1,500 m below the surface. *Meilano et al.* interpret coseismic and postseismic deformation from the 2007 Bengkulu earthquake based on GPS data. They estimated the maximum coseismic displacement at ~1.8m for GPS stations located north of the epicenter. Furthermore, based on the principal strain estimation in the region, they suggest that the maximum coseismic extensional strain is ~40 ppm. *Ramdhan et al.* discuss the correlation of wireline logs and drilling events with subsurface pressure. Checking and comparing the final well report with the daily drilling report avoid a severe problem when drilling a new well. The last paper by *Aswan and Sufiati* deals with the depositional environmental evolution of the Nyalindung Formation based on the molluscan paleontological study. They found that the change of depositional environmental might be related to tectonic activity and global sea-level fall from the early Late Miocene to Pleistocene.

We thank all the editors for their continuous support to Riset IJGM, including Dr. Lina Handayani, Dr. Maruf Mukti, Dr. Dwi Sarah, Dr. Cand. Wilda Naili, and Anita Yuliyanti M.A. Riset IJGM would not have been successful without your outstanding support and dedicated work. We acknowledge the outstanding reviewers who support reviewing the articles submitted to our journal and all the authors for their valuable contributions to this volume of Riset IJGM.

Enjoy reading, and we welcome your submission to Riset IJGM.

Happy New Year 2022

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