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GEOLOGICAL AGENCY  
MINISTRY OF ENERGY AND MINERAL RESOURCES**

**BALAI BESAR SURVEI DAN PEMETAAN GEOLOGI KELAUTAN  
BADAN GEOLOGI  
KEMENTERIAN ENERGI DAN SUMBER DAYA MINERAL**

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## Preface

This is the first edition since the restructuring of our institute, the Marine Geological Institute (MGI). Rest assured, our Bulletin of the Marine Geology still complies with its purpose of sharing knowledge between scientists, academicians, practitioners, and others who have an interest in the improvement of marine science and technology.

Without further ado, we are pleased to present the first edition of the year 2022, which includes valuable knowledge derived from the following five papers: Multi-Model Variation of the Enhanced Asian Rainfall and Continent-Ocean Thermal Gradient from Pre-Industrial to Mid-Holocene, a research partnership between Earth Science Study Program, Faculty of Earth Sciences and Technology, Institut Teknologi Bandung (ITB) and the National Research and Innovation Agency (BRIN); the second paper, entitled Ash Layers from South Andaman Sea: Probably Sourced from Toba Caldera, presented by the Geological Survey of India; the third title of Sedimentation Rates and Calcareous Nannofossil Biostratigraphy of Nanggulan Formation, Kulon Progo, Indonesia, a collaboration project between Geological Engineering Program Study, Faculty of Exploration and Production Technology, Pertamina University and Akita University, as well as PT Geoservices; a contribution from BRIN under a title of Marine Geomagnetic Anomalies Belt and its Relationship to the Remnant Tectonic-Arc in the North-western Java Sea-Indonesia, listed as the fourth; and last but not least, a paper of Pb Ratio Analysis of Foraminifera to Observe Paleoceanographic Changes during Holocene in Arafura Sea yielded by MGI and Faculty of Geological Engineering, Padjadjaran University, teaming with BRIN and Korea Institute of Ocean Science and Technology (KIOST).

The editors wish to express their appreciation for everyone's outstanding contributions to this edition, especially those made by the authors. Readers will undoubtedly find their work to be exceptional after learning about their expertise in marine research. Let's create harmony with nature.

Chief of Editorial Board

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