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28<sup>th</sup> August 2024

Dear Dr.,

I wish to submit an original research article entitled “**A Review of Rock Slope Failures in Malaysia: Exploring Types, Cases, Causes, And Consequences**” for consideration by the **Journal of SINERGI**. I confirm that this work is original and has not been published elsewhere, nor is it currently under consideration for publication elsewhere.

In this paper, I report on the prevalent types of rock slope failures in Malaysia, including rock slides, which occur due to sliding movements along discontinuities in rock masses. We explore various cases, such as those in Bukit Lanjan, Kinta Valley, and Mount Kinabalu, to understand the causes and consequences of these failures. This is significant because it provides valuable insights into the geological hazards faced by Malaysia and aids in developing effective mitigation strategies to minimize risks to infrastructure, human lives, and the environment.

I believe this manuscript is appropriate for publication in the **Journal of SINERGI** because it aligns well with the journal's Aims & Scope, focusing on research in geotechnical engineering for disaster mitigation and rehabilitation. Our comprehensive review of rock slope failures in Malaysia contributes to understanding quaternary geology and the dynamics of Earth's surface processes, offering implications for research and practical applications in hazard management and mitigation.

Our manuscript explores the challenges posed by rock slope failures in Malaysia, focusing on various geological formations and their implications. Through case studies and a comprehensive literature review, I examine different types of rock slope failures and their causes, including factors like heavy rainfall, human activities, and natural events such as earthquakes. Our findings underscore the urgent need for sustainable mitigation techniques to address environmental damage and minimize associated risks. Given its relevance to environmental studies, disaster management, and infrastructure planning, we believe our research would interest the readership of your journal.

Turnitin also checked this paper and received 10% for the similarity index. It has been proofread from the Proofreading by A UK PhD company. The result of Turnitin and the certificate of proofreading have been attached in the appendix.

We have no conflicts of interest to disclose.

Please address all correspondence concerning this manuscript to me at [aidatulizana@gmail.com](mailto:aidatulizana@gmail.com).

Thank you for considering our manuscript for publication.

Sincerely,

A handwritten signature in black ink, appearing to be 'Aidatulizana Binti Mohd Taaha', with a horizontal line extending to the right from the end of the signature.

**AIDATUL IZANA BINTI MOHD TAHA**

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A REVIEW OF ROCK SLOPE FAILURES IN MALAYSIA: EXPLORING TYPES, CASES, CAUSES, AND CONSEQUENCES

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ABSTRACT

Certain Malaysian regions demonstrate varying geological formations. Nevertheless, rock slope failure occurrences are a primary concern. This review investigated the significant challenges of

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Yours truly,

T. Kanesan

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**A Review of Rock Slope Failures in Malaysia: Exploring Types, Cases, Causes, and Consequences**

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**Abstract**  
 Certain Malaysian regions demonstrate varying geological formations. Nevertheless, rock slope failure occurrences are a primary concern. This review investigated the significant challenges of examining catastrophic Malaysian rock slope failure incidents. Notably, different rock slope failure types (rock failures, rock slides, rock falls, and rock avalanches) and several case studies (Bukit Lanjan (Selangor), Kinta Valléy (Perak), and Mount Kinabalu (Sabah)) were assessed to comprehend the sources and implications.

**Keywords:**  
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