

***THE EFFECT OF ANIMATED VIDEO EDUCATION ABOUT VOLCANIC
ERUPTION DISASTER PREPAREDNESS ON STUDENTS' KNOWLEDGE
LEVELS AT SDN 1 TLOGOLELE***

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ABSTRACT

Background: Volcanic eruptions are natural disasters that have the potential to cause significant damage, especially for communities living in vulnerable areas such as the slopes of Mount Merapi. Children are a vulnerable group who require effective and engaging disaster preparedness education. ***Objective:*** This study aims to determine the effect of animated video education on the level of knowledge regarding volcanic eruption preparedness among students at SDN 1 Tlogolele. ***Method:*** This study employed a quantitative pre-experimental design with a one-group pretest-posttest approach. The subjects of this study were 74 students from grades IV, V, and VI. ***Results:*** The analysis results showed a significant increase in knowledge after receiving education through animated video media, with a significance level of $p < 0.05$. Audiovisual media proved effective in enhancing students' understanding of disaster preparedness. ***Conclusion:*** This study demonstrates that an enjoyable and age-appropriate educational approach is crucial in fostering a culture of preparedness from an early age. Animated videos can serve as an alternative educational medium to support disaster mitigation programs, particularly in elementary schools located in areas prone to volcanic disasters.

Keywords: animated video, disaster preparedness, students, knowledge, volcanic eruption.