

Overview of Knowledge Levels on Landslide Disaster Mitigation Among Hikers on Mount Lawu

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Abstract

Background: Landslide incidents in Indonesia from 2020 to 2024 totaled 3,720 events across the country, resulting in 541 fatalities and 1,235 injured victims. Public knowledge in Indonesia regarding landslide disasters remains relatively low. This study was conducted due to the landslide risk in the Mount Lawu area, which has steep slopes, high rainfall, and heavy hiking activity, thereby increasing potential hazard exposure for hikers. **Objective:** To determine the overview of the knowledge level regarding landslide disaster mitigation among hikers on Mount Lawu. **Methods:** This research employed a descriptive quantitative design with an observational method. The study sample consisted of 95 respondents selected using accidental sampling among hikers who met the inclusion criteria. The instrument used was a Guttman scale questionnaire covering indicators such as definition, objectives, warning signs, prevention, and landslide mitigation efforts. **Results:** The majority were late adolescents (17–25 years old), male, with a senior high school (SMA/SMK/MA or equivalent) educational background, and had prior hiking experience. **Conclusion:** Respondents' knowledge regarding landslide disaster mitigation on Mount Lawu was generally categorized as good.

Keywords: mitigation knowledge, disaster, hikers, landslide.