



## The Correlation Between Attitude and Preparedness in Dealing With Earthquake And Tsunami Disasters Among Students of SMP Negeri 2 Kretek

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### ABSTRACT

**Background:** Bantul Regency has the potential to experience earthquakes reaching up to magnitude 8.7. SMP Negeri 2 Kretek is located in a zone identified with a potential tsunami inundation depth of 6 – 10 meters, as it is situated 2,500 meters from the coastline. Student preparedness in dealing with earthquakes and tsunamis is influenced by various factors, one of which is attitude.

**Objective:** To determine the correlation between attitude and preparedness in dealing with earthquakes and tsunamis among students of SMP Negeri 2 Kretek.

**Method:** This study employed a descriptive quantitative method with a cross-sectional study approach. The sampling technique used was purposive sampling, involving a sample of 82 students. Data collection methods included an attitude questionnaire adapted from GDPB (General Disaster Preparedness Belief) and a preparedness questionnaire adapted from LIPI/UNESCO/ISDR. Statistical data analysis utilized univariate and bivariate analyses with Spearman's Rank Correlation Test.

**Results:** The attitude level of students at SMP Negeri 2 Kretek showed an average of moderate attitude in 63 students (76.8%). The students' preparedness level predominantly demonstrated moderate preparedness in 64 students (78%). A significant correlation was found between attitude and preparedness, indicated by a significance value ( $p=0.000$ ) with a correlation coefficient of 0.549, which falls into the moderate category.

**Conclusion:** There is a correlation between attitude and preparedness in dealing with earthquakes and tsunamis among students. Therefore, the school is advised to more actively socialize disaster preparedness, particularly concerning earthquakes and tsunamis, to all students.

**Keywords:** *Earthquake; Preparedness; Attitude; Tsunami*