

ABSTRACT

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EFFECTIVENESS OF THE APPLICATION OF DISASTER RESPONSE COMIC MEDIA TO KNOWLEDGE OF EARTHQUAKE PREPAREDNESS IN MIDDLE SCHOOL 2 PLERET

Background; Indonesia is at a meeting between the Indo-Australian plate, the Eurasian plate and the Pacific plate. This plate has an influence in a disaster, one of which is an earthquake. Since the 1800s, the Special Region of Yogyakarta has occurred five times a tectonic earthquake with a magnitude above 6 on the Richter scale **Objective;** knowing the effectiveness of the implementation of disaster response comic media on knowledge of earthquake disaster preparedness in class VII students in Pleret 2 Public Middle School. **Method;** The type of quantitative research is the quasi experimental method, and the design is Nonequivalent with control group. The study was conducted at Pleret 2 Public Middle School in May with a total sample of 68, measuring knowledge of disaster preparedness using a questionnaire. Data analysis using the Wilcoxon test to determine the difference in pretest-posttest and Mann Whitney to determine the effectiveness of the treatment group. **Results;** The results of the Wilcoxon analysis using comic media were 0,000 ($p < 0.05$) indicating that there were differences before using comic media and after using comic media. The results of the Wilcoxon analysis in the control group were 0.065 ($p > 0.05$) indicating that there was no difference before using the control group and after using the control group. The results of Mann Whitney analysis (0,000 $< 0,05$) showed that there was effectiveness in using treatment groups. **Conclusion;** There is effectiveness in the implementation of disaster response comics media on knowledge of earthquake disaster preparedness in class VII students in Pleret 2 Middle School.

Keywords: Comics, preparedness knowledge, earthquakes