

**PENGARUH EDUKASI DENGAN *FLIPBOOK* “TAGUH NALAM”
TERHADAP TINGKAT PENGETAHUAN DAN SIKAP
KESIAPSIAGAAN BENCANA GUNUNG BERAPI
PADA ANGGOTA PMR WIRA DI SLEMAN**

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ABSTRAK

Latar Belakang: Kabupaten Sleman dihadapkan pada potensi bencana erupsi Gunung Merapi. Sekolah di Sleman, seperti SMAN 1 Ngaglik dan SMAN 1 Mlati, berada di zona rawan. PMR Wira memiliki peran penting dalam pendidikan kesiapsiagaan di sekolah dan sebagai pendidik sebaya. Untuk meningkatkan kesiapsiagaan bencana gunung berapi, penelitian ini mengusulkan inovasi media pembelajaran interaktif menggunakan *flipbook*. *Flipbook* dirancang sebagai media pembelajaran mitigasi bencana gunung berapi yang menarik dan efektif. Melalui media *Flipbook* “Taguh Nalam” diharapkan dapat meningkatkan pengetahuan dan sikap kesiapsiagaan di kalangan pelajar.

Tujuan Penelitian: Untuk mengetahui pengaruh pemberian edukasi dengan *Flipbook* “Taguh Nalam” terhadap tingkat pengetahuan dan sikap kesiapsiagaan bencana gunung berapi pada anggota PMR Wira di Sleman.

Metode: Penelitian ini merupakan jenis penelitian kuantitatif dengan desain penelitian *quasi-eksperiment* menggunakan pendekatan *nonequivalent control group design*. Data dianalisis menggunakan *Wilcoxon* dan *Mann-Whitney* dengan taraf signifikan $p < 0,05$.

Hasil: Ada perbedaan pengetahuan dan sikap antara *pretest* dan *posttest* baik pada media *flipbook* ($p \text{ value} = 0,000$) maupun *power point* ($p \text{ value} = 0,006$). Ada perbedaan yang bermakna dari edukasi dengan media *Flipbook* “Taguh Nalam” dibuktikan dengan selisih rata-rata pengetahuan dan sikap antara kelompok intervensi dan kelompok kontrol didapatkan $p \text{ value} = 0,000$.

Kesimpulan: Media *Flipbook* “Taguh Nalam” dapat memberikan pengaruh terhadap peningkatan pengetahuan dan sikap kesiapsiagaan bencana gunung berapi pada siswa anggota PMR Wira di Sleman khususnya SMAN 1 Mlati dan SMAN 1 Ngaglik.

Kata Kunci: Bencana, Edukasi, *Flipbook*, Pengetahuan, PMR, Sikap

**THE EFFECT OF EDUCATION WITH FLIPBOOK "TAGUH NALAM"
ON THE LEVEL OF KNOWLEDGE AND ATTITUDE OF VOLCANO
DISASTER PREPAREDNESS IN MEMBERS OF
PMR WIRA IN SLEMAN**

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ABSTRACT

Background: Sleman Regency is faced with the potential disaster of the eruption of Mount Merapi. Schools in Sleman, such as SMAN 1 Ngaglik and SMAN 1 Mlati, are located in vulnerable zones. PMR Wira has an important role in preparedness education in schools and as peer educators. To improve volcano disaster preparedness, this research proposes an interactive learning media innovation using flipbooks. Flipbook is designed as an interesting and effective learning media for volcano disaster mitigation. Through the media Flipbook "Taguh Nalam" is expected to increase knowledge and attitude of preparedness among students.

Objective: To determine the effect of providing education with the "Taguh Nalam" Flipbook on the level of knowledge and attitude of volcano disaster preparedness in PMR Wira members in Sleman.

Method: This study was a quantitative research with a quasi-experimental design using a nonequivalent control group approach. The data were analyzed using Wilcoxon and Mann-Whitney tests with a significance level of $p < 0.05$.

Results: There were differences in knowledge and attitudes between pretest and posttest both on flipbook media (p value = 0.000) and power point (p value = 0.006). There was a significant difference from education with Flipbook "Taguh Nalam" proven by the average difference in knowledge and attitudes between the intervention group and the control group obtained p value = 0.000.

Conclusion: Flipbook "Taguh Nalam" can have an effect on increasing knowledge and attitudes of volcano disaster preparedness in students of PMR Wira members in Sleman, especially SMAN 1 Mlati and SMAN 1 Ngaglik.

Keywords: Attitude, Disaster, Education, Flipbook, Knowledge, PMR