

KETERAMPILAN SISWA TENTANG KESIAPSIAGAAN MENGHADAPI BENCANA GEMPA BUMI DI SMKN 6 MANADO

Wahani, Margaretha¹, Kerangan Johanis², Sasube, Laurensi³
Fakultas Keperawatan Universitas Katolik De La Salle
Email : margarethawahani0@gmail.com

Abstrak

Latar Belakang : Bencana alam dapat mengakibatkan timbulnya korban jiwa, kerusakan lingkungan, kerugian harta benda, sampai dampak psikologis. Salah satu jenis dari bencana alam adalah gempa bumi. Berdasarkan hasil di lapangan didapatkan bahwa tidak adanya kegiatan *safety breafing* setiap pagi sebelum memulai pelajaran yang seharusnya dilakukan, belum adanya jalur evakuasi, tidak ada peringatan tanda bahaya seperti sirine.

Tujuan : Mengetahui pengaruh edukasi *audio visual* terhadap pengetahuan dan keterampilan siswa tentang kesiapsiagaan menghadapi bencana gempa bumi di SMKN 6 Manado.

Metode : Penelitian ini menggunakan *quasi eskperimen* dengan kelompok kontrol (*non-equivalent control group pretest-posttest*). Populasi dalam penelitian ini adalah seluruh siswa kelas X SMKN 6 Manado jurusan Keperawatan yang berjumlah 126 siswa. Jumlah 20 sampel pada setiap kelompok eksperimen dan kelompok kontrol, sehingga terdapat 40 sampel dalam seluruh jumlah subjek penelitian. *probability sampling* dengan pendekatan pengambilan sampel acak sederhana (*simple random sampling*). Waktu penelitian 16-30 Juni 2023.

Hasil : Pengetahuan sebelum diberikan edukasi *audio visual* memiliki pengetahuan cukup sebesar 100% dan sesudah diberikan edukasi *audio visual* pada kelompok eksperimen dalam kategori baik sebesar 100%. Sebelum diberikan simulasi evakuasi mandiri pada kelompok eksperimen keterampilan siswa dikategorikan tidak terampil sebesar 100% dan setelah diberikan simulasi evakuasi mandiri pada kelompok eksperimen keterampilan siswa dikatakan terampil sebesar 70%. Berdasarkan hasil uji *Wilcoxon* didapatkan nilai *p-value* 0,000 yang artinya H_0 ditolak dan H_a diterima.

Kesimpulan : Pemberian edukasi *audio visual* berpengaruh terhadap peningkatan pengetahuan dan keterampilan siswa tentang kesiapsiagaan menghadapi gempa bumi di SMKN 6 Manado

Kata kunci : Gempa Bumi, Audio Visual, Simulasi Evakuasi, Pengetahuan

STUDENTS' SKILLS REGARDING PREPAREDNESS IN ENCOUNTERING AN EARTHQUAKE DISASTER AT SMKN 6 MANADO

Wahani, Margaretha¹., Kerangan Johanis²., Sasube, Laurensi³

Fakultas Keperawatan Universitas Katolik De La Salle

Email : margarethawahani0@gmail.com

Abstract

Background: Natural disasters can result in loss of life, environmental damage, property loss, and even psychological impacts. One type of natural disaster is an earthquake. Based on the results in the field, it was found that there were no safety briefing activities every morning before starting lessons that should have been carried out, there were no evacuation routes, and there were no danger warning signs such as sirens.

Objective: To determine the effect of audio-visual education on students' knowledge and skills regarding preparedness encounter an earthquake disaster at SMKN 6 Manado.

Method: This study used a quasi-experiment with a control group (non-equivalent control group pretest-posttest). The population in this study were all class X students at SMKN 6 Manado majoring in Nursing, totalling 126 students. There were 20 samples in each experimental and control group, so there were 40 samples in the total number of research subjects. Probability sampling with a simple random sampling approach. Research time 16-30 June 2023.

Results: Knowledge before being given audio-visual education was sufficient at 100%, and after being given audio-visual education in the experimental group was in a good category at 100%. Before being given an independent evacuation simulation in the experimental group, students' skills were categorized as unskilled at 100%, and after being given an independent evacuation simulation in the experimental group, students' skills were said to be skilled at 70%. Based on the results of the Wilcoxon test, a p-value of 0.000 is obtained, which means that Ho is rejected and Ha is accepted.

Conclusion: Providing audio-visual education affects increasing students' knowledge and skills regarding preparedness encounter an earthquake disaster at SMKN 6 Manado

Keywords: Earthquake, Audio Visual, Evacuation Simulation, Knowledge

This translation has been checked and proven accurate.



Rafael H. Y. Sengkey, S.S., M.Pd.

Head of Language Development Office

Universitas Katolik De La Salle Manado

