

## ABSTRAK

### PENGARUH EDUKASI BERBASIS VIDEO TERHADAP PENGETAHUAN DAN KESIAPSIAGAAN BENCANA TSUNAMI PADA PEDAGANG DI PANTAI SUWUK KABUPATEN KEBUMEN

Refinda Dian Saputri<sup>1</sup>, Ridlwan Kamaluddin<sup>2</sup>, Arif Imam Hidayat<sup>3</sup>

**Latar Belakang:** Indonesia merupakan negara yang rawan bencana tsunami. Pedagang di Pantai Suwuk merupakan salah satu yang terdampak apabila terjadi bencana tsunami. Hasil studi pendahuluan menunjukkan belum dilakukan sosialisasi dan pelatihan kesiapsiagaan bencana tsunami.

**Tujuan:** Penelitian ini bertujuan untuk mengetahui pengaruh edukasi berbasis video terhadap pengetahuan dan kesiapsiagaan bencana tsunami pada pedagang.

**Metodologi:** Penelitian ini menggunakan desain penelitian *quasi experimental* dengan *two group pre-test post-test* dengan *control group design*. Instrumen menggunakan kuesioner dan video edukasi. Teknik pengambilan sampel menggunakan *total sampling* dengan jumlah sampel intervensi 57 responden dan kontrol 57 responden. Analisis data menggunakan uji *Wilcoxon* dan uji *Mann Whitney*.

**Hasil Penelitian:** Nilai rata-rata pengetahuan sebelum intervensi pada kelompok intervensi 68.24 dan kelompok kontrol 68.16. Nilai rata-rata kesiapsiagaan sebelum intervensi pada kelompok intervensi 75.58 dan kelompok kontrol 74.70. Sedangkan nilai rata-rata pengetahuan setelah intervensi pada kelompok intervensi 80.94 dan kelompok kontrol 69.67. Nilai rata-rata kesiapsiagaan setelah intervensi pada kelompok intervensi 84.06. Hasil uji *Wilcoxon* pengetahuan kelompok intervensi  $p=0.000$  dan kelompok kontrol  $p=0.453$ , sedangkan pada kesiapsiagaan kelompok intervensi  $p=0.000$  dan kelompok kontrol  $p=0.897$ . Hasil uji *Mann Whitney* pengetahuan  $p=0.000$  dan kesiapsiagaan  $p=0.000$ .

**Kesimpulan:** Terdapat pengaruh edukasi berbasis video terhadap pengetahuan dan kesiapsiagaan bencana tsunami.

**Kata kunci:** Kesiapsiagaan, Tsunami, Video

---

<sup>1</sup>Mahasiswa Jurusan Keperawatan FIKes Universitas Jenderal Soedirman

<sup>2,3</sup>Departemen Keperawatan FIKes Universitas Jenderal Soedirman

## ABSTRACT

### THE EFFECT OF VIDEO-BASED EDUCATION ON KNOWLEDGE AND TSUNAMI DISASTER PREPAREDNESS AMONG TRADERS ON SUWUK BEACH, KEBUMEN DISTRICT

Refinda Dian Saputri<sup>1</sup>, Ridlwan Kamaluddin<sup>2</sup>, Arif Imam Hidayat<sup>3</sup>

**Background:** Indonesia is a country that is prone to tsunami disasters. Traders on Suwuk Beach are among those affected by the tsunami disaster. The results of the preliminary study show that tsunami disaster preparedness outreach and training has not been carried out.

**Purpose:** This research aims to determine the effect of video-based education on knowledge and tsunami disaster preparedness among traders.

**Method:** This research uses a quasi-experimental research design with a two-group *pre-test* and *post-test* with a control group design. The instrument uses questionnaires and educational videos. The sampling technique used total sampling with an intervention sample of 57 respondents and a control sample of 57 respondents. Data analysis used the Wilcoxon test and Mann-Whitney test.

**Results:** The average value of knowledge before intervention in the intervention group was 68.24 and the control group was 68.16. The average preparedness value before intervention in the intervention group was 75.58 and the control group was 74.70. Meanwhile, the average knowledge value after intervention in the intervention group was 80.94 and the control group was 69.67. The average value of preparedness after intervention in the intervention group was 84.06. The results of the Wilcoxon test for knowledge of the intervention group were  $p=0.000$  and the control group was  $p=0.453$ , while the preparedness of the intervention group was  $p=0.000$  and the control group was  $p=0.897$ . Mann Whitney test results: knowledge  $p=0.000$  and preparedness  $p=0.000$ .

**Conclusion:** There is an effect of video-based education on knowledge and tsunami disaster preparedness.

**Keywords:** Preparedness, Tsunami, Video

---

<sup>1</sup>Student of Nursing Department Faculty of Health Science, Jenderal Soedirman University

<sup>2,3</sup>Lecturer of Nursing Department Faculty of Health Science, Jenderal Soedirman University