

# PENGARUH EDUKASI VIDEO “SIGADAR” TERHADAP TINGKAT PENGETAHUAN DAN KETERAMPILAN PETUGAS NON MEDIS DI BANDARA SEPINGGAN BALIKPAPAN

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## ABSTRAK

**Latar Belakang:** Henti jantung memerlukan penanganan segera. Petugas non medis di bandara berpotensi sebagai penolong pertama, namun keterbatasan pengetahuan dan keterampilan masih menjadi kendala. Video edukasi dinilai efektif meningkatkan pemahaman. Untuk mengetahui pengaruh video “SIGADAR” terhadap pengetahuan dan keterampilan petugas non medis di Bandara Sepinggan. Menggunakan Desain *quasi eksperimen* dengan *pre-post test* dan kelompok kontrol. Sampel 58 orang, dianalisis menggunakan uji Wilcoxon dan Mann Whitney. Terdapat peningkatan signifikan pengetahuan dan keterampilan pada kelompok intervensi dibandingkan kontrol ( $p < 0,05$ ). Video SIGADAR efektif meningkatkan pengetahuan dan keterampilan petugas non medis dalam penanganan henti jantung.

**Tujuan Penelitian:** Mengetahui pengaruh edukasi video “SIGADAR” terhadap tingkat pengetahuan dan keterampilan petugas non medis di Bandara Sepinggan Balikpapan.

**Metode:** Penelitian ini menggunakan desain *quasi experiment* dengan pendekatan *pre-test post-test with control group design*. Sampel berjumlah 58 responden, terbagi dalam kelompok intervensi dan kontrol. Instrumen penelitian berupa kuesioner pengetahuan dan lembar observasi keterampilan. Analisis data menggunakan Uji Wilcoxon dan Uji Mann Whitney.

**Hasil:** Pada kelompok intervensi terdapat peningkatan signifikan pengetahuan ( $p = 0,01$ ) dan keterampilan ( $p < 0,01$ ). Pada kelompok kontrol juga terjadi peningkatan pengetahuan ( $p = 0,021$ ) dan keterampilan ( $p < 0,01$ ), namun tidak sebesar kelompok intervensi. Uji Mann Whitney menunjukkan perbedaan signifikan antara kedua kelompok pada tingkat pengetahuan ( $p = 0,005$ ) dan keterampilan ( $p = 0,001$ ).

**Kesimpulan:** Edukasi menggunakan video SIGADAR berpengaruh signifikan terhadap peningkatan pengetahuan dan keterampilan petugas non medis dalam menangani kegawatdaruratan jantung.

**Kata Kunci:** Edukasi, Bantuan Hidup Dasar, Video SIGADAR, Pengetahuan, Keterampilan, Petugas Non Medis

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THE INFLUENCE OF THE "SIGADAR" VIDEO EDUCATION  
ON THE LEVEL OF KNOWLEDGE AND SKILLS  
NON-MEDICAL STAFF AT THE AIRPORT  
SEPINGGAN BALIKPAPAN

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**ABSTRACT**

**Background :** Cardiac arrest requires immediate treatment. Non-medical personnel at the airport have the potential to be first responders, but their limited knowledge and skills remain a challenge. Educational videos are considered effective in enhancing understanding. To determine the effect of the "SIGADAR" video on the knowledge and skills of non-medical staff at Sepinggan Airport. Using a quasi-experimental design with a pre-post test and control group. Sample of 58 people, analyzed using the Wilcoxon and Mann Whitney tests. There was a significant increase in knowledge and skills in the intervention group compared to the control group ( $p < 0.05$ ). The SIGADAR video effectively improves the knowledge and skills of non-medical personnel in handling cardiac arrest.

**Research Objective :** To determine the impact of the "SIGADAR" video education on the knowledge and skills of non-medical staff at Sepinggan Airport Balikpapan.

**Method :** This study uses a quasi-experimental design with a pre-test post-test with control group design approach. The sample consisted of 58 respondents, divided into intervention and control groups. The research instruments consisted of a knowledge questionnaire and a skills observation sheet. Data analysis used the Wilcoxon Test and the Mann Whitney Test.

**Results :** In the intervention group, there was a significant increase in knowledge ( $p = 0.01$ ) and skills ( $p < 0.01$ ). In the control group, there was also an increase in knowledge ( $p = 0.021$ ) and skills ( $p < 0.01$ ), but not as much as in the intervention group. The Mann Whitney test showed a significant difference between the two groups in terms of knowledge ( $p = 0.005$ ) and skills ( $p = 0.001$ ).

**Conclusion :** Education using the SIGADAR video significantly affects the improvement of knowledge and skills of non-medical personnel in handling cardiac emergencies.

**Keywords :** Education, Basic Life Support, SIGADAR Video, Knowledge, Skills, Non-Medical Personnel

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