

**THE EFFECT OF FIRST AID SIMULATION OF SPLINT DRESSING ON
KNOWLEDGE AND SKILLS IN 6TH SEMESTER STUDENTS AT
AISYIYAH UNIVERSITY SURAKARTA**

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ABSTRACT

Background: Knowledge and skills of splint dressing are necessary to provide first aid to injured victims. The lack of knowledge and skills of students causes errors in providing assistance. So it is necessary to provide first aid splinting simulation interventions to students, to help overcome problems that arise during emergencies. In Indonesia, the prevalence of fracture injury is 8.2%, with the main cause being traffic accidents (59%), followed by falls (42.1%) and violence (3.9%). **Objective:** To determine the effect of first aid splint simulation on knowledge and skills in university students. **Methods:** This type of research is quantitative, this research design uses Quasi-experimental with one group Pre-Test and Post-Test approach. Sampling as many as 126 respondents. The research instrument used a questionnaire sheet and SOP. Bivariate analysis using the Wilcoxon test. **Results:** The study showed a significant value of First aid simulation on knowledge and skills with a p-value of $0.000 < 0.05$, which means that the first aid simulation of splint dressing has a significant effect on knowledge and skills. **Conclusion:** Training with simulation methods is proven effective in improving students' knowledge and skills before and after simulation.

Keywords: Knowledge, Skills, Simulation, First aid