

**THE IMPACT OF A BASIC LIFE SUPPORT (BLS) SIMULATION ON
UNIVERSITY COLLEGE KNOWLEDGE 'AISYIYAH
SURAKARTA 6TH SEMESTER**

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ABSTRACT

Background: Deaths due to cardiac arrest in the world are 16.17% of the total cases, with 245,343 cases in Indonesia in 2023. Nursing students who are also first responders must have basic knowledge and experience. Lack of knowledge in performing BLS will have an impact on the quality of first aid in cardiac arrest patients. One of the efforts to increase knowledge is by providing BLS simulations. **Objective:** Knowing the Effect of Basic Life Support (BLS) Simulation on the Knowledge of Semester 6 of 'Aisyiyah University Surakarta. **Methods:** The research method was Quasy Exsperimen design Nonequivalent Without Control Group Design with a total sample of 129, which was analyzed using the Paired Sample T-Test Test. **Results:** The level of knowledge before simulation is included in the category of less (76%). The level of knowledge after simulation is included in the excellent category (94%). There is a influence in the level of knowledge before and after the BHD simulation intervention, as evidenced by the p-value of $0.001 < 0.05$. **Conclusion:** The effect of providing Basic Life Support (BHD) simulation on students' level of knowledge is significant.

Keywords: Basic Life Support (BLS), Students, Knowledge, Simulation