

# ANALYSIS OF FACTORS ASSOCIATED WITH WORK FATIGUE AMONG EMERGENCY DEPARTEMENT NURSES AT LAVALETTE HOSPITAL MALANG

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## ABSTRACT

**Background:** High levels of work fatigue among nurses, particularly in the Emergency Department (ED), constitute a serious issue affecting patient safety and healthcare service quality. Work fatigue is triggered by various interacting factors from both individual aspects and the work environment. **Objective:** Analyzing the factors related to work fatigue among emergency department nurses at Lavalette Hospital Malang. **Methods:** This research uses a correlational design with a cross-sectional approach. The population in this study consists of 32 emergency department nurses selected by total sampling. Data analysis was performed using Pearson test for ratio and interval data, Spearman Rank Correlation for ordinal and interval data, Mann-Whitney test for nominal and interval data, and multivariate analysis using logistic regression. **Results:** There is a significant bivariate relationship between health condition, workload, and length of service with work fatigue. In the multivariate analysis, significant relationships were found between health condition ( $p = 0.040$ ;  $\text{Exp}(B) = 1.2 \times 10^{32}$ ) and workload ( $p = 0.047$ ;  $\text{Exp}(B) = 1.9 \times 10^{14}$ ) with work fatigue. Nurses with poor health conditions have a much greater likelihood of experiencing work fatigue. **Conclusion:** The factors most related to nurse fatigue in the Emergency Department is health conditions. The recommendations from this study are the need for workload adjustment, adequate rest, regular health check-ups, and stress management training to reduce fatigue and improve nurse well-being.

**Keywords:** Factors, Work Fatigue, Emergency Department Nurses