ANALYSIS OF FACTORS RELATED TO THE PRODUCTIVITY OF NIGHT SHIFT NURSES IN THE OPERATING ROOM AT LAVALETTE HOSPITAL MALANG AND KARSA HUSADA HOSPITAL BATU

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ABSTRACT

The productivity of operating room nurses on night shifts tends to decrease due to high work demands and decreased body functions at night, which play a role in the rest process. The body's ability to adjust circadian rhythms to night work affects the focus and performance of operating room nurses, resulting in decreased work productivity and impacting service quality and patient safety risks. Based on this phenomenon, an analysis of internal factors such as age, work fatigue, and work motivation is needed, as well as external factors including the work environment, rest time, and length of service. This study aims to analyze the relationship between factors that influence the work productivity of night shift operating room nurses at Lavalette Hospital Malang and Karsa Husada Hospital Batu. The study used a correlational design with a cross-sectional approach. The study sample involved 53 night shift operating room nurses selected using a purposive sampling technique. Data analysis was performed using univariate, bivariate, and multivariate methods using the Spearman Rank test and Logistic Regression. The results of the study showed a significant relationship between age (p-value = 0.003; r = 0.402), work fatigue (p-value = 0.002; r = -0.425), work motivation (p-value = 0.003; r = 0.406), work environment (p-value = 0.001; r = 0.429), rest time (p-value = 0.002; r = 0.409), and length of work (p-value = 0.002; r = 0.408) with nurses work productivity. Multivariate analysis showed that work fatigue (p-value = 0.000) was the most dominant factor related to the work productivity of night shift operating room nurses. This study concluded that the work productivity of night shift operating room nurses was influenced by interrelated factors of age, work fatigue, work motivation, work environment, rest time and length of work.

Keywords: Factor Analysis, Work Productivity, Nurses, Shift Keywords: Factor Analysis, Work Productivity, Nurses, Night *Shift*, Operating Room.