

## **ABSTRACT**

*The hospital is a service industry that provides health services to many people and will generate waste from the services it provides. Hospitals not only produce organic and inorganic waste, but also infectious waste containing hazardous toxic materials (B3) which if not managed properly will have an impact on patients, staff and the community living around the hospital. Bangil Hospital, Pasuruan Regency in 2022 the production of covid waste is 8% and other infectious waste is 92% with an average amount of medical waste per month in 2021 transported around 8%, the purpose of this study is to analyze the factors that influence the behavior of nurses in sorting infectious and non-infectious waste hospital infection at Bangil Hospital, Pasuruan Regency in 2023.*

*This study used a cross-sectional study method, with the Simple Random Sampling technique with a total sample of 46 respondents. Data collection was carried out by filling out a questionnaire made by the researcher and filled in by the respondents. The collected data was processed using statistical tests to be analyzed with the chi square test with ( $\alpha$ ) 0.05*

*The results showed that most of the respondents with good knowledge were 29 respondents (63%), almost all of the respondents with the old category of work >3 years were 35 respondents (76.1%) and most of the respondents with unfavorable behavior were 27 respondents (58.7%).*

*The results of the chi square test showed that there was a relationship between knowledge and nurse behavior in sorting hospital infectious and non-infectious waste ( $p$  value 0.002), there was a relationship between length of service and nurse behavior in sorting hospital infectious and non-infectious waste ( $p$  value 0.013).*

*Knowledge and years of service are related to the behavior of sorting waste so that it is hoped that nurses can increase their knowledge by regularly attending training so that they care and are aware of sorting waste before it is disposed of in accordance with the established procedure.*

**Keywords: Factors, Knowledge, Period, Work, Garbage**

