ABSTRACT

THE RELATIONSHIP BETWEEN SUPERVISION AND FACILITY AVAILABILITY WITH NURSES' COMPLIANCE ON THE STANDARD OPERATING PROCEDURE FOR INFECTIOUS SOLID MEDICAL WASTE DISPOSAL AT MUHAMMADIYAH UNIVERSITY HOSPITAL MALANG

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Introduction: A preliminary study at Muhammadiyah University Hospital Malang found that solid medical waste management practices were not yet fully compliant with standards, as indicated by safety boxes filled beyond ¾ of their capacity and the absence of a dedicated officer or supervisor routinely monitoring the sorting and disposal of solid medical waste in each service unit, thereby increasing the risk of infection transmission and occupational hazards for healthcare workers. Research Objective: To analyze the relationship between facility availability and supervision with nurses' compliance with the standard operating procedure for infectious solid medical waste management at Muhammadiyah University Hospital Malang. **Method**: This study used a quantitative design with a cross-sectional approach. The sample consisted of 74 nurses spread across 14 work units at Muhammadiyah University Hospital Malang, determined using proportional sampling. The research instruments consisted of a supervision questionnaire, a facility availability observation sheet, and a compliance observation sheet, analyzed using the Chi-Square test with SPSS. **Results**: Most nurses were categorized as non-compliant with the SOP for infectious solid medical waste disposal (58.1%). Facility availability was mostly categorized as available (74.3%), while management supervision was mostly categorized as poor (68.9%). The Chi-Square test results showed a significant relationship between supervision and nurses' compliance ($p = 0.026$), while facility availability showed no significant relationship with nurses' compliance ($p = 0.110$). **Conclusion**: Management supervision is significantly related to nurses' compliance in disposing of infectious solid medical waste, while facility availability shows no significant relationship. Therefore, strengthening the hospital management's supervision system is essential to improve nurses' compliance.

Keywords: : Supervision, Facility, Compliance, Medical Waste, Hospital