

THE EFFECT OF INFECTION PREVENTION AND CONTROL LINK NURSE SUPERVISION AND RESOURCE AVAILABILITY ON PARAMEDIC HAND HYGIENE AT HANAU HOSPITAL, SERUYAN DISTRICT, CENTRAL KALIMANTAN

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ABSTRACT

Background: Hand hygiene was the most straightforward and most effective behavior to prevent nosocomial infection. Doing hand-hygiene in 5 moments must be endeavored to improve the quality of service in the hospital. Hospitals must have a PPI team where the Infection Prevention and Control Link Nurse (IPCLN) is part of the structure. The availability of facilities in the hospital is needed to support hand hygiene behavior. This study aimed to know the effect of IPCLN supervision and facilities' availability on paramedical hand hygiene behavior at Hanau Hospital.

Subjects and Method: This was a cross-sectional conducted at Hanau Hospital, Seruyan District, Central Kalimantan. A sample of 83 paramedics at Hanau Hospital was selected for this study by total sampling. The dependent variable was the behavior of hand hygiene paramedic. The independent variable was IPCLN supervision and the availability of facilities. The data were collected by questionnaire. The data was analyzed by Chi Square.

Results: The respondents in this study were 67.5% women, 72.3% were under 30 years old, 74.7% had a Diploma-III education, and 69.9% worked less than 5 years. The supervision carried out by IPCLN (OR = 35.25; CI: 4.36 to 258.22), and the availability of facilities (OR = 24.35; CI: 5.10 to 116.26) was statistically significant ($p < 0.001$). Variables that influence the behavior of paramedic hand hygiene at Hanau Hospital are supervision of the IPCLN towards paramedics ($B = 2.86$; OR = 17.42; 95% CI= 1.94 to 156.78; $p = 0.011$) together with the variable availability of facilities ($B = 2.62$; OR = 13.69; 95% CI= 2.62 to 71.49; $p = 0.002$).

Conclusion: The supervision of IPCN and the availability of facilities affect the hand hygiene behavior of paramedics at Hanau Hospital.

Keywords: hand hygiene, IPCLN, Supervision, Facilities, PPI

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