

THE ASSOCIATION OF THE LENGTH OF SERVICE AND USE OF LONG-SLEEVED WORK CLOTHES AND GLOVES WITH DERMATITIS: A STUDY ON HOUSEHOLD GARBAGE COLLECTORS IN SURAKARTA

HUBUNGAN MASA KERJA DAN PENGGUNAAN BAJU KERJA LENGAN PANJANG DAN SARUNG TANGAN DENGAN DERMATITIS: STUDI PADA PETUGAS PENGANGKUT SAMPAH DI SURAKARTA

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ABSTRACT

Background: Household garbage collectors are one of the groups who are at risk of getting dermatitis due to their work. This study aims to determine the relationship between length of service and the use of long-sleeved work clothes and gloves with the dermatitis on household garbage collector in Surakarta. **Method:** This was an observational analytic study using a cross sectional study. The subjects of the study were household garbage collector in Jebres sub-district, Surakarta. A total of 134 respondents was recruited as samples using simple random sampling. A questionnaire sheets was used to collect individual data and dermatitis status was determined by doctor's diagnosis. Chi square test was used to investigate the relationship between length of service and use of long-sleeved work clothes and gloves with dermatitis. Logistic regression was used to determine factors associated with dermatitis. **Results:** There was a significant relationship between length of service with dermatitis $p=0,000$ ($p<0,05$). There was also a significant relationship between long-sleeve work clothes and gloves with dermatitis $p=0,003$ ($p<0,05$). Multivariable test showed that workers with long length of service had a higher risk of having dermatitis compared to short length of service ($OR=6,701$, $p=0,000$). It was also showed that more frequent use of a long-sleeved work clothes intensity reduce the risk of getting dermatitis compared to sometimes use ($OR=0,341$, $p=0,017$). **Conclusion:** There is a significant association between the length of work and the use of long-sleeved work clothes and gloves with the dermatitis on household garbage collectors in Surakarta.

Keyword: length of service; long-sleeved work clothes; dermatitis; household garbage collector