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**ABSTRACT**

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**FACTORS ASSOCIATED WITH THE INCIDENCE OF DENGUE  
HEMORRHAGIC FEVER IN THE WORKING AREA OF UPTD  
PUSKESMAS MANGKUBUMI TASIKMALAYA CITY**

*Dengue fever is a disease caused by the Dengue virus transmitted to humans through the bite of the Aedes aegypti mosquito. The purpose of this study was to determine the factors associated with the incidence of dengue hemorrhagic fever in the Working Area of UPTD Puskesmas Mangkubumi Tasikmalaya City. This quantitative research was conducted with a case-control study approach. The case population was all dengue hemorrhagic fever patients recorded in medical records at the UPTD Puskesmas Mangkubumi which amounted to 121 people, while the control population was all people who did not suffer from dengue hemorrhagic fever who were still in one geographical environment in the UPTD Puskesmas Mangkubumi Working Area. The sample ratio of the case and control groups was 1:2 (case group 47 people with a sampling method using simple random sampling and control 94 people with accidental sampling method). Data analysis consisted of univariate and bivariate analysis using the chi-square test with a significance value of  $\alpha$  5%. The results showed there was an association between the installation of wire mesh (p-value 0.036), the use of anti-mosquito drugs (p-value 0.000), and the habit of draining (p value 0.011) with the incidence of dengue hemorrhagic fever. Meanwhile, there is no relationship between the habit of hanging clothes (p-value 0.701) and the habit of covering (p-value 0.648) with the incidence of dengue hemorrhagic fever in the Working Area of UPTD Puskesmas Mangkubumi Tasikmalaya City. Suggestion: the community should actively participate in carrying out environmental cleanliness and pay more attention to the implementation of 3M plus and PSD-DBD activities independently and regularly to reduce as little as possible the opportunity for mosquitoes to nest and breed, especially the habit of draining, using mosquito repellent and installing wire mesh.*

**Keywords:** Risk Factors, Dengue Fever, DHF