

FACTORS ASSOCIATED WITH HOUSEWIFE PARTICIPATION IN PREVENTION OF DENGUE HEMORRHAGIC FEVER MOSQUITO BREEDING PLACE IN LHOKSEUMAWE, ACEH

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ABSTRACT

Background: Dengue fever is the most important tropical infectious disease after malaria, with an estimated 100 million cases of dengue fever, 500,000 cases of dengue hemorrhagic fever (DHF), and 25,000 deaths annually. This study aimed to determine factors associated with housewife participation in prevention of DHF mosquito breeding place in Lhokseumawe, Aceh.

Subjects and Method: This was a cross-sectional study conducted at Muara Dua, Lhokseumawe, Aceh. A sample of 72 housewives was selected for this study. The dependent variable was prevention of DHF breeding place. The independent variables were maternal knowledge, attitude, and education. The data were collected by questionnaire. The data were describe in percent and tested by chi square.

Results: Seventy five percent of the sample resided in endemic areas. Sixty eight percent of the sample knew that DHF is transmitted by mosquito. Fifty percent of the sample knew that DHF can be prevented by mosquito bleeding source reduction, closing, and modification (RCM). However, only 37.5% of the sample did RCM. As much as 12.5% of the sample had low participation, 69.4% moderate participation, and 18.1% good participation in the prevention of DHF. Housewife participation in DHF prevention was affected by knowledge, attitude, and education.

Conclusion: Only around 18% of housewives under study in the endemic area participated in DHF prevention. Participation in DHF prevention is affected by maternal knowledge, attitude, and education.

Keywords: dengue hemorrhagic fever, breeding place, prevention, maternal knowledge, attitude, education.

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