

**HUBUNGAN PERILAKU 3M PLUS TERHADAP ANGKA
BEBAS JENTIK NYAMUK DI WILAYAH KERJA
PUSKESMAS POLOKARTO**

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ABSTRAK

Background: Sukoharjo Regency Central Java Province, shows a relatively high *incidence of Dengue Hemorrhagic Fever (DHF)*. The annual increase in cases is influenced by the community's low 3M behavior. One of the sub-districts in Sukoharjo with a relatively high DHF rate is Polokarto Sub-district. In the working area of the Polokarto Health Center, there were 128 cases of DHF from 2020 to 2023. Kemas Village in the Polokarto area had a high number of DHF case totaling 20. **Purpose:** To determine the relationship between 3M plus behavior and the mosquito larvae-free rate in the working area of the Polokarto Health Center. **Methods:** The research design used is correlational. The population in this study is the community of Kemas Village, with a sample size of 93 people. **Results:** the majority of the community still exhibited poor 3M plus behavior, with 71 respondents showing poor 3M plus actions, resulting in 55 cases of mosquito larvae presence. Meanwhile, among the 21 respondents with good 3M plus actions, there were 6 cases of mosquito larvae presence. **Conclusion:** There is a significant relationship between 3M plus behavior and the presence of mosquito larvae in the working area of the Polokarto Health Center.

Keywords: Dengue Hemorrhagic Fever (DHF), the presence of mosquito larvae, 3M plus.