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Citra Desyta Kurniawati

The Relationship Of The Building Density To Larvae Density In Magetan Village Magetan Sub-District Magetan Regency 2020

vii + 72 page + 10 table + 7 image + 7 attachments

ABSTRACT

The larvae density is one of the risk factors for the transmission of DHF. The number of DHF IRs in Indonesia reaches 24.73 / 100,000 population. Based on the health profile of Magetan Regency in 2019, Magetan Village, Magetan Subdistrict is stated as the region with the highest number of cases during the last 3 years.

The purpose of this study was to determine the relationship of building density to larvae density in Magetan Village, Magetan District, Magetan Regency in 2020. This type of research is observational analytic with cross-sectional approach. Using the proportional random sampling method for the sample, where the criteria for the houses being inspected are houses in Magetan Village. The total houses examined in this study were 400 houses spread over 4 sub-villages and 26 neighborhood.

Kendall's tau test results show that there is a significant relationship ($p = 0.004$) between building density and larvae density.

The conclusion obtained is that the high rate of larvae density is in line with the dense condition of buildings in Magetan Village which makes it difficult for sunlight to enter so that the temperature and humidity in the house are low. As well as a large number of containers outside the house that are not maintained can be a potential place in mosquito breeding. Suggestions to routinely carry out PSN and 3M Plus and pay more attention to ventilation and home lighting conditions to reduce mosquito breeding.

Keywords : density, larvae, buildings

Libraries : 41 readings (2005 – 2019)