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Prediction of Distribution Pattern of Aedes Aegypti as Dhf Main Vector in Jember

Abstrak :

The research has been held in the aim to know the Pattern prediction of Aedes aegypti as main vector of DHF in Jember, East Java Indonesia. It covered of the number of incidence and cluster of case in the peak of DHF epidemic in rainy season. The data were collected from November 1st 2005 until February 28th 2006 and November 1st until February 28th 2007. The results show that between two peak season there were 433 cases of DHF in 2005-2006 and 66 case in 2006-2007. Based on the prediction of vector distribution there were six large and four small groups in the year of 2005-2006 compared with one large and one small group in the year of 2006-2007. Most of the vector habitat close related with human settlement and the climate perhaps plays the main role in outbreak of Ae. aegypti population. The lows incidence in the year of 2006-2007 perhaps because of the implementation of control methods drive by official government of Jember Residence call “jum’at bersih” or clean Friday with participating of community to eradicate Ae. aegypti potential habitat around the environment.

Keyword :

prediction, distribution, DHF, vector

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