The Density of Aedes Aegypti at Elementary School with Different Stratum Relating to the Occurrence of Dengue Haemorrhagic Fever

Abstrak:

The purpose of this research was to study the Density of Aedes Aegypti in elementary school stratum I, stratum II and stratum III in the correlation with DHF incident in Pacarkeling Public Health Centre's Area, Surabaya. The population research was some elementary schools stratum I, stratum II and stratum III and the house around the school (radius 500 meter). The research samples were 13 state elementary schools in Pacarkeling Public Health Centre's Area, and 96 houses near the schools. The density of Aedes Aegypti was assessed by observe number of larva in water container, interview with teacher, student, and citizen around elementary school. Data analysed using Spearman Correlation Test. Stratification result shows that most of all state elementary school observed are already well, proven that there is no school on stratum III. And there are found that on each stratum of the school have 3 incident of DHF, more over in school stratum II there is fatal case. The distribution of Density Aedes Aegypti in the school stratum I, and II are high, that is for school stratum I HI = 18.75%, CI = 5.12%, BI = 18.75%; and school stratum II HI = 39.58%, CI = 13.66%, and BI = 52.08% that means above the standard by WHO, HI > 1%, CI > 2% and BI > 5%. After being tested using Spearman Correlation Test, there is no correlation between elementary school stratum and the presence of Aedes Aegypti larva, where probability is (0.935) > i.e. (0.05).

From the research advice can be given is that there should be held schedule to keep the environment of elementary school clean especially the Water Closet (WC) by increasing School Health Program on each of elementary school, with the help of school cleaning service officer.

Keyword:

Density of Aedes Aegypti, Elementary School Stratum, Dengue Haemorrhagic Fever