

## ABSTRACT

The trend of Dengue Hemorrhagic Fever (DHF) cases in Palangkaraya from 2008 to 2010 tend increased even cause death. In 2012 from the existing 30 villages, spread of DHF cases vary between urban villages where there were 6 endemic villages, 6 villages sporadically, 2 village potentially and 16 urban villages DHF free. Therefore, the aim of this study were to analyze differences in demographic characteristics, the behavior of the mosquito eradication and environmental strata between dengue endemicity in Palangkaraya.

This study was an observational epidemiological study with cross sectional design. Sample of 138 heads of families were divided by proportional consisting of 108 sub-endemic families, 17 families of sporadic, 5 potential families and 8 families DHF free village. The results of this study were analyzed by Chi Square test of exact methods. The results showed there were significant differences between the density and mobility of the population strata endemicity of DHF in Palangkaraya in 2012 ( $p < 0.05$ ). There were significant different of behaviour characteristics ( $p < 0.05$ ) were the bathroom cleaning behavior and abate sowing behavior. While, there were no differences in the temporary water reservoirs closing behaviour, throw junk behavior, anti-mosquito usage, mosquito net usage and habits after wearing apparel. Behavior of the garbage, although not different but almost of respondents dispose it in the river and the garbage outside house was a negative behavior. Environmental characteristics that were significant different ( $p < 0.05$ ) were the installation of screens and the presence of water channels. While, there were no different in the presence of container, larvae, solid waste and standing water in potted plants.

The conclusion of this study were the endemic villages belonging to the high population density, bathroom cleaning behaviour and larvacida sowing behaviour relatively less.

Key words: dengue hemorrhagic fever, demographic characteristics, the eradication of mosquito breeding behavior, home environment