

Mosquito Indices in Outdoor Spatial Spraying Treated Area, Banyumas Regency, Indonesia

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| Abstract | <p>Outdoor spatial spraying (OSS) or usually called fogging is the most common method for adult mosquito control which applied by local health officer. A concern has been raise that the application of outdoor spatial spraying could discourage people from routine practice for mosquito breeding site eradication. The aims of this study is to find out mosquitoes indices in OSS treated area in Banyumas Regency. This is a descriptive study with cross sectional design. 300 house of respondents in three treated area with OSS (Purwanegara, Karangpucung and Arcawinangun) were selected as the area of study. Larvae inspection in each houses was conducted to find out mosquitoes indices in the area of study. Mosquito Indices such as House Index (HI), Breteau Index (BI), Container Index (CI) and Free Larvae Index (FLI) were analysed. Results of this study revealed that among three areas, Arcawinangun showed highest HI (14%), while Karangpucung showed the lowest HI (10%). Based on mosquitoes indices, all three areas were categorized in medium mosquito density, which indicated those area showed a medium risk of dengue virus transmission. This result supported the need of awareness of people in treated area of OSS, that they still should conduct routine mosquito breeding site eradication in their area to reduce mosquito population.</p> |
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