

Dissertation Evaluation Report

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| Evaluators | Print name | | |
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| <p>Evaluation Report of Dissertation</p> <p>1 . <u>Evaluation of the research purpose.</u></p> <p><i>Aedes aegypti</i> and <i>Aedes albopictus</i>, are primarily dengue virus vector and daytime biting mosquitoes and therefore the risk of infection may be considerable in urban parks due to human foot traffic. However, little was known about the ecology of Aedes mosquitoes in urban parks. The purpose of this study is to elucidate the correlation between the breeding and active sites of mosquitoes and environment in the park in Ho Chi Minh City, which will provide important information for new vector control strategies. We evaluated that the applicant's research purpose is appropriate.</p> <p>2 . <u>Evaluation of the research methods.</u></p> <p>Six major parks in central Ho Chi Minh City were selected, and mosquito larvae and adults were collected in the park and in residential areas adjacent to the park or at regular intervals (250 m, 500 m, 750 m, 1000 m). The applicant used correspondence analysis with the R package "MASS" to explore the relationships between larval habitat types, locations, and distances from the parks. We evaluated that the applicant's took adequate approach in this study.</p> <p>3 . <u>Evaluation of the analysis, interpretation and discussion.</u></p> <p>For a short period of two months, valuable results have been obtained from Aedes mosquito study in six parks and 480 houses adjacent to them in the center of Ho Chi Minh City. Major larval habitats in the parks are identified, and it was found that adult mosquito of both species were more abundant in the park than in the residential areas. The findings suggest that parks should be included to future vector control programs in urban areas in Vietnam. We evaluated that the applicant properly analyzed, interpreted, and discussed her data in this study.</p> <p>As stated above, the dissertation will greatly contribute to control and prevention of mosquito-borne infectious diseases, and the evaluators uniformly agree that the dissertation is worthy of being approved for a Doctor of Philosophy in Medical Science.</p> | | | |