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Effectiveness of Seed Extract Hutun (*Barringtonia asiatica* KURZ), on LARVA Aedes aegypti Vector Disease Dengue Fever

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Abstract: The effectiveness of vegetable insecticide extracts of hutun (*Baringtonia asiatica* Kurz) seeds on larvae of dengue hemorrhagic fever (DHF) vector Aedes aegypti mosquito has been conducted. The test results indicate that there are differences in the real (significant) mortality level of mosquito larvae at various levels of concentration.

The test result of Probit Analysis shows the LC₅₀ mortality concentration value of *Ae. aegypti* larvae with the provision of concentration of 35.572 ppm is a concentration quantity value of the methanol extract of the hutun seeds which is the most effective way to kill the larvae of *Ae. aegypti* as much as 50% during 24 hours of treatment. According to the toxicity criteria, based on *Australian Petroleum Energy Association*, the concentration of 35.572 ppm of seeds hutun methanol extract or (LC₅₀ = 35.572 ppm) at 24 hours of observation is included in the criteria for Toxic Toxicity.

Keywords: Extraction, vegetable insecticides, Hutun seeds, Aedes aegypti.

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