

LIFE TABLES STUDY OF IMMATURE *Aedes albopictus* (Skuse) (Diptera: Culicidae) During the Wet and Dry Seasons in Penang, Malaysia

Nur Aida Hashim, Abu Hassan Ahmad, Che Salmah Md Rawi, Nurita Abu Tahir and Norsamah Basari

School of Biological Sciences, Universiti Sains Malaysia, Penang, Malaysia

Abstract. Life tables were constructed for twelve cohorts of immature stages of the dengue vector *Ae. albopictus* in a wooded area of Penang, Malaysia. The development time of *Ae. albopictus* ranged from 6 to 10 days depending on the mean environmental temperature ($r = -0.639$, $p < 0.05$). Total cohort mortality was correlated with total development time ($r = 0.713$, $p < 0.05$) but not temperature ($r = -0.477$, $p > 0.05$). Rainfall was correlated with neither development time ($r = 0.554$, $p > 0.05$) nor mortality ($r = 0.322$, $p > 0.05$). There was a significant difference among the total mortality that occurred in the twelve cohorts ($H = 119.783$, $df = 11$, $p < 0.05$). There was also a significant difference in mortality among the different stages ($H = 274.00$, $df = 4$, $p < 0.05$).

Correspondence: Abu Hassan Ahmad, School of Biological Sciences, Universiti Sains Malaysia, 11800 Minden, Penang, Malaysia.
E-mail: aahassan@usm.my