

Tropical Biomedicine 10:35-39(1993)

Infection of *Aedes albopictus* (Diptera: Culicidae) with *Ascogregarina* species

I Sulaiman, A Saaidah, V Somasundram, and AR Nor Aliza

Abstract

Ascogregarina taiwanensis is a common parasite of *Aedes albopictus* in Penang, Malaysia. More than 50% of the *Ae. albopictus* larvae sampled were found to be infected with the protozoan parasites. Water pH and conductivity did not correlate with the prevalence or the mean number of gregarines. Laboratory studies showed increasing larval mortality with increasing dose of parasite oocysts, and an LC50 of 3790.5 oocysts per larva. *A. culicis* was also pathogenic to *Ae. albopictus* although infection rates and mean number of gregarines were low. *A. culicis* can develop in *Ae. albopictus* and produce viable oocysts.