



ABSTRACT

Domestic insect pests are considered as the most dominant form of life on earth due to their life cycles and numerous numbers of offspring within a short period of time. Increased adaptability of insects causes a rapid growth of insects in population, sometimes harming the human and environment. The study assessed the potential insecticidal property of methanol crude extract from Horned Sea Star in three domestic pests namely *Musca domestica* (House Fly), *Culex pipiens* (Common House Mosquito) and *Periplaneta americana* (American Cockroach). The crude methanolic extracts of Horned Sea Star were administered starting from 100% concentration with 10 samples of species placed on a jar with a net cover. Moreover, there was 10% decrement of the concentration for every trial up until only half of the number of the samples in the trial died. The results showed that the crude methanolic extract of Horned Sea Star do have an insecticidal property among domestic insect pests.

