

Effect of different medicinal plants (*Centella asiatica*, *Hydrocotyle* sp. and *Orthosiphon stamineus*) on development of *Spodoptera litura* (Fabricus)(Lepidoptera : Noctuidae)

Abstract

Spodoptera litura a serious pest for many types of plant and the larvae can defoliate many economically important plants especially those have soft leaves texture. *Centella asiatica*, *Hydrocotyle* sp. and *Orthosiphon stamineus* were used widely as medicinal plant for health cure. These three different medicinal plants were supplied to *Spodoptera litura* larvae to investigate their effects towards *S. litura* development and leaves weight consumed. *Centella asiatica* shown highest mean leaves weight consumed with 1518.5 mg followed by *Hydrocotyle* sp. and *O. stamineus* with 121.5 mg and 1.69 mg for each. Cumulative leaf weight consumed per larva was highest on *C. asiatica* with total 478525.20 mg, followed by *Hydrocotyle* sp. with 3237.22 mg and *O. stamineus* recorded lowest leaves consumed by the larva with 72.25 mg. Development of *S. litura* also shown *C. asiatica* recorded only seven stadia compared to *Hydrocotyle* sp. and *O. stamineus* that recorded eight stadia for each medicinal plants.