

Molluscicidal and feeding deterrent activity of crude plant extracts on *Pomacea maculata* perry

ABSTRACT

This study was focused on molluscicidal effect and feeding deterrent activity of saponin from five different plant materials; *Andrographis paniculata*, *Entada spiralis*, *Ficus deltoidea*, *Furcraea selloa* and *Ipomoea batatas*. Crude plant extracts were prepared from plant powders using methanol. The crude extracts were then tested on *Pomacea maculata* using five different concentrations (5, 10, 15, 20 and 25 ppm, respectively) against niclosamide (control). After 72 h of exposure, the highest percentage of mortality of 80% was achieved from 15 ppm of *F. selloa*. Two analyses were conducted to observe the feeding deterrent activity and after 24 h, both analyses demonstrated the feeding deterrent activity in both crude extracts (*F. selloa* and *E. spiralis*) similar in niclosamide.

Keyword: Crude extract; Feeding deterrent; Molluscicidal; Mortality; Saponin