

## EFFECTIVENESS OF AN EXTRACT OF *Annona squamosa* L. SEED OF MORTALITY *Culex fatigans* (L)

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### ABSTRACT

*Culex fatigans* is the most important pest in human. The use of synthetic chemical insecticide is the main method of tick control, however, chemical insecticide are expensive, and they are harmful to environment. The aim of study was to investigate the affectivity of *Annona squamosa* L. seeds extracted by organic solvent ethanol against mortality of *Culex fatigans*. Six hundred and fourty mosquito were used in this study and divided into eight groups e.g. control; 0,8%; 1,67%; 3,38%; 6,75%; 12,5%; 25%; 50%. Their mortality was observed from one to thirty minutes. LD 50 value was analyzed by anti log {Log a + (b x Log c)}. This study showed that the active compound of *Annona squamosa* L seeds had effectively contact toxic property for *Culex fatigans* (L) at 35.16 %.

**Key Words:** *Annona squamosa*, *Culex fatigans*, Extract, Effectiveness