OVICIDAL ACTIVITY OF ANNONACEOUS ACETOGENIN EXTRACTED FROM *Annona muricata* (Soursop) LEAVES TO *Ascaris suum*

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ABSTRACT

This study utilized *Ascaris suum* eggs to test the ovicidal property of annonaceous acetogenin (ACG) extracted from *Annona muricata* leaves at different concentrations. Embryonation rate of *Ascaris suum* eggs suspended and incubated at 37 ºC with different concentrations of ACG (50%, 25%, 12.5%, 6.25%), NSS with 1% Tween 80, and Albendazole were observed. Individual Chi-Squares of the different treatments (for 50%, for 25%, for 12.5%,for 6.25% and for albendazole) were compared having significant differences. All the concentrations exhibited ovicidal property with 25% (4.53) as the most effective inhibitor which surpassed the effect of Albendazole (2.55). This may be due to the property of ACG having a phenolic component that inhibits mitochondrial electron transport system of the target cell.

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