THE ANTHELMINTIC EFFECT OF SOURSOP LEAVES (Annona muricata L.) INFUSION ON LETHAL DEATH TIME OF Ascaridia galli IN VITRO

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ABSTRACT

Ascaridia galli is a parasite that is most often found in poultry and cause high economic losses. Soursop leaves (Annona muricata L.) have been used in traditional anthelmintic medicine. This research was conducted to determine the anthelmintic effect of soursop leaves (Annona muricata L.) infusion on lethal death time of Ascaridia galli in vitro. In this research used Ascaridia galli with length 7-11 cm without differentiating their sex. The concentrations of soursop leaves (Annona muricata L.) for immersion the Ascaridia galli were 50%, 70% and 100% as treatment group, respectively. The negative control used NaCl physiology (0.9 %). The result showed that the increase of concentration decreased lethal death time. The lethal death time on concentration of 50%, 70% and 100% were 11 hours 48 minutes, 11 hours 24 minutes and 10 hours 48 minutes respectively. ANOVA test showed significant difference between control and treatment group (p<0.05). Duncan multiple range test was seen the best treatment was the shortest lethal death time in concentration of 100%.

Keywords: Soursop leaves, Ascaridia galli, Annona muricata L., lethal death time