

**THE ANTHELMINTIC EFFECT OF BITTER MELON FRUIT
(*Momordica charantia* Linn.) INFUSION TOWARD
Ascaridia galli WORM *IN VITRO***

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ABSTRACT

This research was conducted to determine the anthelmintic effect of bitter melon fruit infusion against *Ascaridia galli* worm *in vitro*. In this research, using 240 samples of *A. galli* with length 7-11cm without differentiating their sex. The concentration of bitter melon fruit infusion for immersing the *Ascaridia galli* were 10%, 20%, and 40%. Negative control was used NaCl physiologic and aquadest. Positive control was used piperazine citrate 10mg/ml. Observation death *A. galli* worm and analysis of the data at the 6 hour, 12 hour, 18 hour, and 24 hour using ANOVA test, Duncan Range Test, and Probit analysis. ANOVA results showed significant differences between treatments ($p < 0,05$). Duncan Range Test results showed bitter melon fruit infusion 40% had anthelmintic effects at the 18 hour which comparable with Piperazine citrate 10mg/ml. Probit analysis showed that the longer immersing time *A. galli* worm in bitter melon fruit infusion, LC_{50} that was needed also getting smaller.

Key word : bitter melon fruit, *A.galli*, anthelmintic.