EFFECTIVENESS OF PAPAYA LEAF(*Carica papaya*) ETHANOL EXTRACT AS AN ANTHELMINTIC AGAINST *Ascaridia galli IN VITRO*

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ABSTRACT

The aim of this study is to determine the anthelmintics effect of male papaya leaf ethanol extract and female papaya leaf ethanol extract against *Ascaridia galli* worm *in vitro*. In this research, using 200 samples of *Ascaridia galli* with length 7-11 cm without differentiating their sex. The concentration of each ethanol extract were 2% w/v, 4% w/v, and 8% w/v. Negative control was used CMCNa 0.5%. Positif control was used Piperazine citrate 0.5% w/v. Each petri dish was given 25 ml of solution, contained 5 worms, and were incubated at 37° C. The procedure then being replicated five times. The data were obtained from the number of paralysis and death of worm for each treatment. Analysis of the data at the 4 hours, 8 hours, 12 hours, 16 hours, 20 hours and 24 hours using ANOVA test and Duncan Range Test, by *SPSS for Windows 21*. ANOVA result showed significantly differences among treatments ($p<0.05$). Duncan Range Test result showed that female papaya leaf extract ethanol 8% w/v had an anthelmintic effects which comparable with Piperazine citrate 0.5 % w/v, while male papaya leaf extract 4% and 8% had an anthelmintic effects higher than Piperazine citrate since observation at 20th hour.

Keyword : *Carica papaya* leaf, anthelmintic, *Ascaridia galli*