

**THE POTENTIAL ETANOL EXTRACT OF *Carica papaya* SEEDS AS AN ANTHELMINTIC AGAINST OF *Mecistocirrus digitatus in vitro***

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**ABSTRACT**

The aim of this research was to find out the potential of ethanol extract of papaya seeds as an anthelmintic in *Mecistocirrus digitatus*. The treatment were divided into 5 groups. Each group there were 4 petri dishes each contained 10 *M. digitatus* soaked NaCl, Levamisole HCl, and ethanol extract of papaya seed with concentration 2.5%, 5%, 10%, then incubation 37°C and observed death of *M. digitatus* every 2 hours until of 12th hour. Data processing used ANOVA test observed the concentration of anthelmintic compound. ANOVA test showed a significant difference between the negative control and the treatment group ( $p < 0.05$ ). Then continued Duncan's Multiple Range Test to find a treatment that gave the best result from the research. Duncan's Multiple Range Test showed the most deaths was 10%. The best result obtained at the concentration of 10% to 12th hours of immersion, but at the concentration of 2.5% had to kill *M. digitatus* because of its potential significant different ( $p < 0.05$ ) with Levamisole HCl on immersion to 4th hour. Based on the result and discussion of the research could be concluded the etanol extract of papaya seeds as a potential anthelmintic for *M. digitatus*.

**Keyword** : Extract *Carica papaya seed*, *Mecistocirrus digitatus*, Anthelmintic