

THE ANTHELMINTIC EFFECT OF PUMPKIN SEED (*Cucurbita moschata* Durch) INFUSION ON LETHAL DEATH TIME OF *Fasciola gigantica* IN VITRO

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ABSTRACT

Fasciola gigantica is a worm which could infect breeding animal and human. One of the plants that can be used as worm drug is Pumpkin seed (*Cucurbita moschata* Durch). Pumpkin seed (*Cucurbita moschata* Durch) has been used in traditional anthelmintic medicine. This research was conducted to determine the anthelmintic effect of Pumpkin seed (*Cucurbita moschata* Durch) infusion on lethal death time of *Fasciola gigantica* in vitro. This research used *Fasciola gigantica* 25-75 mm in length without differentiating their sex. The concentrations of Pumpkin seed (*Cucurbita moschata* Durch) for treatment of *Fasciola gigantica* were 25%, 50% and 75%. The negative control used NaCl physiology (0.9 %). ANOVA factorial test showed significant difference among all of the experiment groups ($p < 0.05$). Duncan multiple range test was seen the best treatment was the shortest lethal death time in concentration of 75%. Six hours of the treatment was the best time for making death of the worm. The Pumpkin seed (*Cucurbita moschata* Durch) in 75% dose was the best dose for making death of the worm. In 6th hours of the treatment in 75% dose administering had the best for making death of *Fasciola gigantica*. As for the reason, pumpkin seed (*Cucurbita moschata* Durch) can be use as anthelmintic.

Keywords : *Fasciola gigantica*, Pumpkin seed, lethal death time