THE ANTHELMINTIC EFFECT OF ONION BULB SQUEEZE (*Allium cepa*) INFUSION ON LETHAL DEATH TIME OF *Ascaridia galli in vitro*

Hartanto Mulyo Raharjo

ABSTRACT

Ascaridia galli is one of animal husbandry major problem for infectious disease, attacks small intestine of poultry on the traditional farm type. *Ascaridia galli* cause decrease of meat and egg productions in either broiler or hens. Onion bulb (*Allium cepa*) contains tannin and saponin from phytocemical screening, and also contains flavonoid too that works as anthelmintic medicine. This research was conducted to determine the anthelmintic effect of onion bulb squeeze (*Allium cepa*) on lethal death time of *Ascaridia galli in vitro*. In this research used *Ascaridia galli* with length 7-11 cm without differentiating sex. The concentrations of onion bulb squeeze (*Allium cepa*) for immersion the *Ascaridia galli* were 65%, 80% and 98% as treatment group. 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 65% was 21 hours, 80% was 20 hours 48 minutes and 98% was 19 hours 48 minutes. 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 98%.

Keywords : Onion bulb squeeze, *Ascaridia galli, Allium cepa,* lethal death time