ANTHELMINTIC ACTIVITY OF BERMUDA GRASS (*CYNODON DACTYLON*) ETHANOL EXTRACT ON *ASCARIDIA GALLI*

BY IN VITRO

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ABSTRACT

The aims of this research was to know the most effective concentration of *Cynodon dactylon* ethanol extract that cause *Ascaridia galli* death by in vitro, to know the effect of soaking time to the lethal number of *Ascaridia galli* and to know the interaction between concentration *Cynodon dactylon* ethanol extract within soaking time *Ascaridia galli* by in vitro. This research used 300 *Ascaridia galli* adult worm which has 7-11 cm length. They were divided randomly into five groups. The treatments divided into P0 (PBS *tween*), P1 (Piperazine Citrat 10 mg/ml), P2 (*Cynodon dactylon* ethanol extract 10 mg/ml), P3 (*Cynodon dactylon* ethanol extract 20 mg/ml) and P4 (*Cynodon dactylon* ethanol extract 40 mg/ml). The data was analyzed by ANOVA factorial, continued by Duncan’s multiple range test used SPSS 21 for windows. The result of this research showed the most effective concentration of *Cynodon dactylon* ethanol extract was P4 (*Cynodon dactylon* ethanol extract 40 mg/ml) within the time of experiment and showed the interaction between concentration *Cynodon dactylon* ethanol extract and soaking time *Ascaridia galli*.

Keyword: *Cynodon dactylon* ethanol extract, *Ascaridia galli*, Anthelmintic activity