THE OVICIDAL EFFECT OF ALBENDAZOLE AGAINST WORM EGGS OF PARAMPHISTOMUM SPP. BY IN-VITRO

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ABSTRACT

Albendazole is one of the modern anthelmintik that has effect vermicidal, larvacidal, and ovicidal. The sample used is the eggs of worms *Paramphistomum spp*.,obtained from the *rumen* of bali cattle. This research is an experimental research laboratory and using complete random design. This study uses four different treatments with five repetitions so retrieved 20 types of worm eggs of *Paramphistomum spp.* research methods include the beginning of collection of egg worm of *Paramphistomum spp*., the dose given that are 0,06 mL *Albendazole*/40mL NaCl (P1), 0,12mL *Albendazole* /40mL NaCl (P2), 0,24 mL *Albendazole*/40 mL NaCl (P3) and control without treatment (P0). The eggs were observed on the 10^{th} day and the 30^{th} day, and then counting the number of eggs that do not hatch. The data obtained were tested statistically with *ANOVA* test and proceed with *Duncan* test to see the differences between the treatments. *Albendazole* has ovicidal effect against the worm eggs of *Paramphistomum spp*. by invitro. The doses of 0,24mL *Albendazole*/40mL NaCl (P3) give the highest percentage number worm eggs of *Paramphistomum spp*. are not hatching with 16.85%..

Keywords: *Albendazole; In-vitro*; ovicidal; worm eggs of *Paramphistomum spp*.