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/40 mL NaCl (P1), 0,12 mL Albendazole/40 mL NaCl (P2), 0,24 mL Albendazole/40 mL NaCl (P3) and control without treatment (P0). The eggs were observed on the 10th day and the 30th 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 0,24 mL Albendazole/40 mL 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.