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Abstract

Fascioliasis is a zoonotic disease that infects herbivorous animals caused by Fasciola hepatica. Survey of some traditional markets and supermarkets in Semarang in 2003 obtained 51.4% of infected cattle liver F. hepatica and 2007 fascioliasis in cattle in Indonesia reached 90%. About 2.5 million people worldwide have been infected by F. hepatica. temu giring rhizome (Curcuma heyneana Val & V. Zijp.) And temu hitam rhizome (Curcuma aeruginosa Roxb.) Is a plant that is efficacious as an anthelmintic. This study aims to determine the effect of boiling water rhizome rhizome temu giring and black against Fasciola hepatica worm mortality and minimal concentration of the cooking water temu giring rhizome (Curcuma heyneana Val & V. Zijp.) And temu hitam rhizome (Curcuma aeruginosa Roxb.) On mortality worms F. hepatica. The sample was 140 worms F. hepatica from cattle liver Slaughterhouse Pegirian in Surabaya. F. hepatica incorporated into the cooking water rhizome rhizome Intersection temu giring and black with a concentration of 100%, 80%, 60%, 40%, 20% and 10% mortality by looking at time F. hepatica. The results show mortality F. hepatica at a concentration of 10% rhizome of temu hitam within 150 minutes, and mortality F. hepatica at a concentration of 10% rhizome temu giring within 165 minutes. Based on One Way Anova test, obtained p value 0.000 < 0.05, which indicates that the water decoction proved sleigh and rhizome rhizome Intersection Intersection black worms affect the mortality of Fasciola hepatica in vitro.

Keyword : rimpang, temu, giring, (Curcuma, heyneana, Val, & V., Zijp.), rimpang, temu, hitam, (Curcuma, aeruginosa, Roxb.), mortalitas, Fasciola,

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