

PREVALENSI HELMINTHIASIS SALURAN PENCERNAAN PADA SAPI POTONG DI KABUPATEN MAGELANG

(The Prevalence of Gastrointestinal Helminthiasis in The Gastrointestinal Tract, in Cattle In The District Of Magelang)

Y. R. Kusuma*, Margono* B.P.Widiarso*

ABSTRACT

This research aimed to determine the prevalence of gastrointestinal helminthiasis, helminth species that attacks the gastrointestinal tract, and the degree of infection with gastrointestinal helminth in cattle Magelang. The research used a sample of fresh feces 200 sample. The determination of the location of sampling purposive random done, taken at the District 15; District Ngablak, Pakis, Sawangan, Salaman, Tegalrejo, Candimulyo, Ngluwar, Muntilan, Salam, Tempuran, Bandongan, Salaman, Borobudur, Grabag, Secang, Windusari. Each district is taken approximately 20 samples from 4 villages per district, and each village is taken 2-7 samples (an average of five cows were taken the feces). The research was conducted with the approach in the field survey and interviews with farmers. Data results of laboratory tests, and interviews of farmers, tabulated, illustrated in chart form, and analyzed descriptively. Results of research showed the prevalence of gastrointestinal helminthiasis in Magelang District is 76%. Types of worms recovered from the nematode class; Strongyloides sp., Strongylus, Toxascaris, Trichuris sp., Capillaria sp., Trematodes class include; Paramphistomum sp., Fasciola sp., Class Cestoda include; Moniezia sp., There is also a protozoan, ordo Coccidia. Porsentase incidence of infection is highest starting Fasciola sp. 37%, Strongylus sp. 32.5%, Coccidia sp. 25.5%, Strongyloides sp. 7%, Capillaria sp. 6%, Paramphistomum sp. 5%, Moniezia sp. 2.5%, Trichuris sp. 1%, and the percentage is the smallest worm Toxascari ssp. 0.5%. The degree of infection of each type of worm that is; worm Strongylus sp. the degree of infection was moderate with the value of eggs per gram of feces highest average 700, worms Strongyloides sp. mild degree of infection with the value of eggs per gram of feces highest average 168.8, and worms Fasciola sp. mild degree of infection with value of eggs per gram of feces the highest average 17.9. The results of this study concluded that the prevalence of gastrointestinal helminthiasis in Magelang District is high at 76%, with there is top three types of worms that's; Fasciola sp., Strongylus sp., Strongyloides sp., and the degree of mild to moderate infections.

** Staf Pengajar Sekolah Tinggi Penyuluhan Pertanian Magelang*

Keywords: prevalence, degree of infection, helminth, beef cattle