THE PREVALENCE AND HELMINTH INFECTION DEGREE OF GASTROINTESTINAL IN LAYER DUCK LOCATED IN KEPER AND MARKOLAK KRAMAT VILLAGE DISTRICT OF BANGKALAN REGENCY OF BANGKALAN

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ABSTRACT

The aim of this study was to determine the prevalence and helminth infection degree of gastrointestinal in layer duck in two different environmental conditions. The duck feces examination samples were using sedimentation and floatation method, then positive samples were counting eggs per gram feces with Mc Master method. The result of the examination of Keper showed that 22.9% (8/35) ducks infected by Capillaria sp., and Echinostoma revolutum, with range of infection degree 52.50 ± 41.662, meanwhile the examination result of Markolak showed that 31.4% (11/35) ducks infected by Capillaria sp., Echinostoma revolutum, and cestode’s helmint, with the range of infection degree 155.45 ± 166.395. These can single or multiple infection. The analysis result has shown that there was no differences (p>0.05) between Keper and Markolak on the prevalence and helminth infection degree of gastrointestinal in layer duck.

Keywords: layer duck, helminthiasis of gastrointestinal, prevalence, infection degree, environmental condition