Prevalence and Toxocariasis Infection Degree For Friesian Holstein With Difference Age In Wonosalam Jombang

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ABSTRACT

The purpose of the research is to know the prevalence and toxocariasis infection degree with difference age in Wonosalam Jombang. There are 120 samples of feces from Friesian Holstein (FH) which native, sedimentation, and floating method. To have know there was a prevalence and infection degree of worm *Toxocara vitulorum* in FH’s digestive system in Wonosalam Jombang, data of prevalence was analyzed by chi square test, then infection degree data calculated with worm’s egg per gram faces (EPG), then being was continued calculated with F test. The result of difference age of pevelantion toxocariasis infection, there are 4 samples (10%) positive condition of toxocariasis in 0-2 months old, 1 (2.5%) sample positive condition of toxocariasis in 2-4 months old, and there is no sample which in toxocariasis in 4-6 months old. The toxocariasis infection degree for 0-2 months old was 4.219, for 2-4 months old was 1.066, and for 4-6 months old was 0.707. Between 2-4 months old and 4-6 months old were identified that there was no significant difference, but between 0-2 months old with 2-4 months old and 4-6 months old identified that there was a high significant difference (p < 0.01).

Key words: Toxocariasis, prevalence, Infection degree value, Friesian Holstein (FH) age, Wonosalam Jombang.