

IDENTIFICATION OF GASTROINTESTINAL ENDOPARASITE IN BAWEAN DEER (*Axis kuhli*) AND SPOTTED DEER (*Axis axis*) at Bratang Flora Park - SURABAYA

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ABSTRACT

The purpose of this study is to identify the endoparasites of Spotted Bawean Deer (*Axis kuhlii*) and Deer (*Axis axis*) at Surabaya Flora Park. The research was conducted in December 2018 - January 2019 used total 60 specimen of sample faeces, consist of 30 sample of bawean deers faeces and 30 sample of spotted deers faeces, the samples analyzed at the Department of Parasitology Veterinary, Faculty of Veterinary Medicine, Airlangga University. The results of the study found positive endoparasites on examination, samples of Bawean deer faeces (*Axis kuhlii*) and Spotted deer faeces (*Axis axis*) in Baratang Flora Park Surabaya found that 26 positive samples from 60 samples were obtained. Positive endoparasitic samples are protozoa at the stage of oocyst, namely *Eimeria* sp. 6 (10%) samples, worm eggs from the Nematoda class, *haemonchus* sp. 20 (33.33%) and whereas endoparasites from other stages and classes were not found. The results of the analysis used *Chi-Square* test and showed no significantly differences degree of gastrointestinal endoparasite infection of Bawean deer (*axis kuhli*) and Spotted deer (*Axis axis*) ($p > 0.05$).

Keywords : identification, gastrointestinal, endoparasites, *Axis kuhlii*, *Axis axis*