

**THE PREVALENCE OF GASTROINTESTINAL WORM PARASITES on  
SUMATERA ELEPHANT at TWO DIFFERENT PLACE in EAST JAVA**

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**ABSTRACT**

The research was aimed to determine the prevalence rate of worm parasitic gastrointestinal on Sumatera elephant at two different place in East Java. There were two located consisted of Surabaya Zoo and Prigen Indonesia II Safari Park. Parasitological examination for presence of helminth eggs in fecal specimens was carried out using of native, sedimentation and floatation methods. The prevalence of gastrointestinal parasites in Surabaya Zoo and Prigen Indonesia II Safari Park were 11.11% and 12%, respectively. Moreover two species of gastrointestinal parasites that found were *Strongyloides elephantis* and *Oesophagostomum radiatum*, respectively. Although infection of those parasites usually do not give rise recognizable clinical manifestation, heavy infections would cause some symptoms and fatal case on Sumatera elephant.

*Key words* : Gastrointestinal parasites, prevalence, elephant