

**PREVALENCE OF NEMATODE IN CECUM AND COLON OF GOATS  
SLAUGHTERED AT PEGIRIAN ABATTOIR SURABAYA USING  
GASTROINTESTINAL SURGERY METHOD**

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**ABSTRACT**

The purpose of this research was to determine the prevalence of nematode in cecum and colon of goats slaughtered at Pegirian Abattoir Surabaya using gastrointestinal surgery method. Thirty six samples of goat's cecum and colon, twenty from Kacang and sixteen from Ettawa-cross goats, were collected from Pegirian Abattoir on September to November 2017. Fresh adult worms were then collected using gastrointestinal surgery method and microscopically identified. The result showed that nematodes infections could be identified in thirteen (65%) of Kacang goats and nine (56,25%) of Ettawa-cross goats. The nematodes infections in Kacang goats were identified ten in cecum and six in colon, while in Ettawa-cross goats nine in cecum and three in colon then in Kacang goats were ten in cecum and six in colon. Chi-Square statistical test ( $p > 0.05$ ) showed that there was not significant from type of Kacang and Ettawa-cross goats and prevalence *Trichuris ovis* and *Oesophagostomum columbianum*.

**Keywords** : prevalence, nematode, gastrointestinal surgery, Kacang goat, PE goat RPH Pegirian Surabaya