

**PREVALENCE OF NEMATODIASIS IN SMALL INTESTINE 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 small intestine of goats slaughtered at Pegirian Abattoir Surabaya using gastrointestinal surgery method. Thirty six samples of goat's small intestine, twenty five from Kacang and eleven 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 eight (32%) of Kacang goats and two (18.2%) of Ettawa-cross goats. The nematodes infections in Kacang goats were identified eight in small intestine, while in Ettawa-cross goats two in small intestine. Chi-Square statistical test ($p > 0.05$) showed that there was not significant from type of Kacang and Ettawa-cross goats and prevalence *Bunostomum trigonocephalum* and *Gaigeria pachyscelis*.

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