PREVALENCE AND DEGREES OF GASTROINTESTINAL
HELMINTHIASIS INFECTIONS IN MADURA CALVES
DISTRICT LABANG BANGKALAN REGENCY

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ABSTRACT

The purpose of this research was to find out the various types of worms as well to
determine prevalence and degree of gastrointestinal helminthiasis infections on
Madura calves in the district of Labang, Bangkalan. The research was conducted
in February-April 2013 with 100 samples of stool examination in the laboratory of
Helmintology Universitas Airlangga Department of Parasitology. On examination
it was found some kind of worm eggs, which were: Oesophagostomum radiatum,
Bunostomum phlebotomum, Mecistocirrus digitatus, Moniezia benedini and
Fasciola gigantica. The results of this research showed the prevalence of
gastrointestinal worms were 40%. According to the Mc Master method, which
found 30-90 egg per gram was the relatively mild degree of infection. On the
statistical analysis showed the prevalence of male and female calf helminthiasis
was a real difference (p<0,05), while the degree of infection of male and female
calves were not significantly different (p>0,05).

Key word : prevalence, gastrointestinal helminthiasis infection, calves