IDENTIFICATION AND DISTRIBUTION OF SOIL TRANSMITTED HELMINTHS AROUND THE SHED AND GRAZING FIELDS OF MADURA CATTLE IN SUB-DISTRICT OF GEGER, BANGKALAN REGENCY

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ABSTRACT

This research aims to determine the percentage and kind of Soil Transmitted Helminths contamination in around the shed and grazing field soil of Madura cattle in Sub-district of Geger, Bangkalan Regency. The research was conducted on July until September 2018. The method of this research used a non-experimental method and through an observation study. The sample of this research is 100 samples of around the shed and grazing field soil, then examined in the laboratory of Helmintology Airlangga University department of Parasitology used Modified sucrose floatation method. The result showed that percentage of Soil Transmitted Helminths eggs was 58%. Based on the type of soil, the highest contamination was *Toxocara* sp., (45.9%), followed by *Strongyloides* sp. (41.4%), *Trichuris* sp. (9.5%) and *Ancylostoma* sp. (3.2%). Based on location, the percentage of grazing fields was higher (70%) than around the shed (50%). The result of statistical analysis using Chi-Square test showed significant differences in the percentage between contamination around of the shed and grazing field soil ($\bar{p}$ 0.05).

Keywords: *Soil Transmitted Helminths*, around the shed soil, grazing field soil, Bangkalan Regency