ANTIBODY DETECTION OF PARATENIC HOST (*Mus musculus*)
INFECTED BY L2 *Toxocara vitulorum*
WITH VARIOUS DOSES

Fatkur Fadholi

ABSTRACT

The aim of this research was investigated effect of various doses second stage larva of *Toxocara vitulorum* at paratenic host antibody toward Optical Density (OD) value using indirect ELISA technique. The research used twenty four male mices (*Mus musculus*) strain Balb/C and were divided into four groups. They were infected by second stage larva of *T. vitulorum*. The first group (P0) as control was not inoculated, the second (P1) was inoculated with dose 10 eggs/mice, the third (P2) was inoculated with dose 5 eggs/g body weight, and fourth (P3) was inoculated with dose 10 eggs/g body weight. Fourteen days post infection, blood serum was taken as antibody. Antibody was reacted with antigen protein adult of *T. vitulorum* tissues and value was measured by using indirect-ELISA test. The data was analyzed by ANOVA and duncan 5% test. The result showed high difference significantly between the groups (P<0.01). It can be concluded that second stage larvae of *T. vitulorum* were immunogenic and produced different effect with various doses.

Key words: *Toxocara vitulorum*, paratenic host, ELISA.