

**CROSS REACTION SOMATIC, EXCRETORY SECRETORY AND
INTESTINE ANTIGEN OF *Toxocara cati* WITH ANTI
Toxocara canis SERUM**

Intan Maya Raharjeng

ABSTRACT

The aim of this research were to find out and get the cross reaction of *somatic*, *excretory secretory* and *intestine* antigen of *T. cati* with anti *T. canis* serum.

Second larvae stage (L2) were obtained from adult worm and feces contamination with egg that have been isolated from Toxocariosis of dog. Adult worms were incubated in 37°C to get the egg. The feces isolation were done with preparation gradien technics to get the egg. Then, eggs were incubated in normal temperature using PBS media until L2 of *T. canis* appears in 21-28 days. Moreover, L2 of *T. canis* were infected to mice for anti *T. canis* serum with doses that 17 infective eggs / gram body weight orally. For getting *Somatic*, *E-S* and *Intestine* antigen, surgical procedure were done to adult worm manually continued with homogenitation procedure. The result of homogenate antigen of *T. cati* and *T. canis* serum were evaluated by using *Western blot* technique.

The result of the research showed cross reaction *somatic*, *excretory secretory* and *intestine* antigen of *T. cati* with anti *T. canis* serum from mice, using *Western blot* technique.

Key words : Antigen, *Toxocara cati*, *Toxocara canis*, *Western blot*.