THE EFFECT OF *Eimeria tenella* INFECTION ON THE SPLEEN WEIGHT, SIZE AND WHITE PULP DIAMETERS IN THE CHICKENS PRIMARY INFECTION AND SECONDARY INFECTION

Veronica Hardiani

ABSTRACT

The aim of this study is to know the effects of *Eimeria tenella* infection on the spleen weight, size and white pulp diameters in the chickens primary infection and secondary infection. Twenty one day old chickens divided randomly to become two groups. The first group was infected with *Eimeria tenella* at 5th week was called chickens primary infection and the second group was infected with at 3th and 5th week was called chickens secondary infection. After infection at 5th week the five chickens of from 0th day and four chickens of from 6th each groups were sacrificed, spleen taken to be deliberated and measured. Then to those spleens were measured hictologically their diameters white pulp. The data were analyzed by Univariated ANOVA using *SPSS for windows 13.00*. The results showed that the spleen size, weight and diameters white pulp had significantly different between the chickens primary infection and secondary infection.

Key words : spleen and *Eimeria tenella.*