THE EFFECT OF GIVING SOYBEAN MEAL IN THE RATION TO HISTOLOGY OF CHICKEN’S SPLEEN WHICH IS INFECTED BY *Eimeria tenella*

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ABSTRACT

The purpose of this study was to determine the effect of giving soybean meal in the ration to histology of chicken’s spleen which is infected by *Eimeria tenella*. Twenty strains of broiler chickens 15 days old CP 707 were randomized into 4 treatment groups. P0 were fed basal and not infected *Eimeria tenella*. P1 fed basal added with 35% soybean meal and not infected by *Eimeria tenella*. P2 were fed basal and infected by *Eimeria tenella*. P3 were fed basal added 35% soy flour and infected by *Eimeria tenella*. Data was obtained from pulp white diameter was analyzed by ANOVA followed by BNJ test, while the histology of pulp white data were analyzed by Kruskall Wallis followed by Mann-Whitney test. The results showed that soybean meal can effect of diameter pulp white and had no effect histology of chicken’s spleen for improve system immune (p<0.05).

Key words: soybean meal, pulp white diameter, histology of pulp white