THE EFFECT OF LASERPUNCTURE ON BODY WEIGHT AND OOCYST PRODUTION OF BROILER CHICKEN INFECTED BY *Eimeria tenella*

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ABSTRACT

This research was aimed to investigate the effect of laserpuncture on oocyst production and body weight of broiler chicken infected by *Eimeria tenella*. Totally of 35 day old chicks of broiler were used as the sample and divided into 5 groups as followed: control group, *E. tenella* infected group, laserpuncture treated group, laserpuncture treated before infected group and laserpuncture treated after being infected group. Chicks were start to treat with laserpuncture at age of 14 days old and infected at age of 21 days old. The body weight of broiler chickens was measured every week, while the oocyst production was counted from 7 to 12 days post infection. The data were analyzed using F test (ANOVA) and continued with LSD test. The body weight result showed that chickens with laserpuncture treatment had the highest result compared with group that doesn't have laserpuncture treatment. While oocyst production showed lower result on group with laserpuncture treatment. The result suggests that laserpuncture shot before *E. tenella* infection was more effective to improve chicken body weight, while laserpuncture shot after infection was more effective to decrease oocyst production of *E. tenella*.

Key words: Broiler chicken, Laserpuncture, *Eimeria tenella*, body weight, oocyst production