

EFFECT OF EXTRACT (*Andrographis paniculata*) ON OOCYST PRODUCTION AND SCORE LESION CECUM CHICKEN INFECTED WITH *Eimeria tenella*

ABSTRACT

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The aims of this research are to observe the effect of *Andrographis paniculata* extract on the production of oocysts and lesion scores cecum chicken were infected *E. tenella*. Forty of day old chicks were used in this study. At twenty-one days old the broilers were divided into four groups. Each group consist of ten broilers, the four groups were negative control broiler was infected with 5,000 *E. tenella* without *Andrographis paniculata* extract (KN), each broiler was infected with 5,000 *E. tenella* and *Andrographis paniculata* extract 60 mg/kg body weight (P1), each broiler was infected 5,000 *E. tenella* and *Andrographis paniculata* extract 90 mg/kg body weight (P2), each broiler was infected 5,000 *E. tenella* and *Andrographis paniculata* extract 120 mg/kg body weight (P3). Nine days post-infection broilers faeces were taken. The observed variable was the number of oocyst production seven days post-infection broilers were killed and the cecum was taken. The observed variable was the cecum lesion score. The research design was using completely randomized design with four groups and five replications. Data analysis using the F test (Anova) and BNT 5% in oocyst production and Kruskal Wallis on cecum lesion score. The results showed that *Andrographis paniculata* extract was able to decrease the oocyst production and unable to decrease lesion scores of chicken cecum.

Key words: *Andrographis paniculata*, *Eimeria tenella*, lesion, oocysts,