DIFFERENCES PRODUCTION OF OOKISTA AND LESION SCORES ON BROILER CHICKEN INFECTED *WILD STRAIN EIMERIA tenella* AND *LABORATORY STRAIN EIMERIA tenella* WITH LOW DOSE

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ABSTRACT

The purpose of this study was to find alternatives on how to control coccidiosis by knowing the differences production of oocyst and lesion scores on broiler infected *wild Eimeria tenella* and *laboratory strain Eimeria tenella* with low dose. This study was done at Animal Cage Try the Faculty of Veterinary Medicine of Airlangga University and continued at the Parasitology Laboratory. The experimental animals used in the study were 60 chickens aged 3 weeks divided into 6 treatment groups, P1 consisted of 10 chickens infected with *laboratory strain* of 25 oocyst, P2 consisted of 10 chickens infected with *laboratory strain* of 50 oocyst , P3 consists of 10 chickens infected with *laboratory strain* of 100 oocyst, P4 consists of 10 chickens infected with *wild strain* of 25 oocyst, P5 consists of 10 chickens infected with *wild strain* of 50 oocyst, and P6 consists of 10 chickens infected with *wild strains* of 100 oocyst. This study will be analyzed using ANOVA based on oocyst production using *Mac Master* under a microscope with 100 times magnification and lesion score with macroscopic observation. The results of oocyst production studies using *Duncan Multiple Range Test*. From day 6 to day 12, treatment groups P4, P5, and P6 had the highest average (per day) compared with treatment group P1, P2, and P3. As for the score of lesions taken on the fifth day post infection. The results of the examination were macroscopically analyzed using *Kruskal-Wallis Test* followed by *Mann-Whitney Test*. Shows that P1 and P2 are not significantly different whereas between P1 and P2 with P3, P4, P5, and P6 show different are real different.

Key words : Coccidiosis, *wild strain Eimeria tenella, laboratory strain Eimeria tenella.*