

**SKRIPSI**

**STUDI KOMPARASI SKOR PERLUKAAN SEKUM  
PADA AYAM YANG TERINFEKSI PERTAMA  
KALI DAN MENGALAMI REINFEKSI  
OLEH *Eimeria tenella***

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**A COMPARATIVE STUDY OF CAECAL LESION SCORE ON BROILERS  
THAT ARE FIRST INFECTED AND REINFECTED  
BY *Eimeria tenella*.**

Happy Tritanio

**ABSTRACT**

The purpose of this research is to compare the influence of *E. tenella* infection to caecal lesion scores on broilers that are first infected and reinfected. An amount of 20 broilers type CP 707 are randomized and divided into 2 groups. The first group is infected by *E. tenella* at the week 5<sup>th</sup>, this group is named the first time infected group. The second group is infected by *E. tenella* at the week 3<sup>th</sup> and 5<sup>th</sup>, this group is named the reinfected group. On day 0 and 6 after infection, 5 broilers are getting performed the autopsy to take the caecal organs of each group. Macroscopic observation are doing directly to see the lesion scores, weight and clinical symptoms that occur during maintenance period. Based on statistic analysis of caecal lesion scores and caecal weight using the *kruskal-wallis* test, the obvious difference ( $p < 0,05$ ) are shown on caecal lesion scores and caecal weight. The highest result based on caecal lesion scores and caecal weight, is shown on the group of broilers that are first time infected on day 6 after infection ( $P_2$ ), after compared to another groups. There are close relation between caecal lesion scores and caecal weight, clinical symptoms on each treatment group are also obtained.

**Keywords :** *Caecal, E. tenella.*