

EFFECT MENIRAN (*Phyllanthus niruri*, Linn) AND DIFFERENTIAL LEUKOCYTE AMOUNT OF BROILER INFECTED *Eimeri tenella*

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ABSTRACT

This study was aimed to determine the effect of Meniran (*Phyllanthus niruri*, Linn.) in increasing the number of total leukocytes and leukocyte counts of *Eimeri tenella* infected broiler. The study used 28 broiler chickens without feeding with coccidiostat which was divided into 4 treatments with each group containing seven chickens. As a negative control was group A, group B was positive control, group C was given Meniran simplicia at 21 days and to than chickens were also infected by *Eimeri tenella* oocysts at the age of 24 days with a dose of 5000 oocysts per head. Group D was given with the provision of Meniran simplicia and *Eimeri tenella* infection in chickens aged 24 days with the same doses. Giving Meniran simplicia was done everyday orally. Blood sampling was done in 5 days after *Eimeri tenella* infections. Data were analyzed using ANOVA then followed LSD Test. The results proved there was increasing in the number of total of leukocytes and differential leukocytes particularly lymphocyte and heterophile of *Eimeri tenella* infected broiler.

Keyword: *Phyllanthus niruri* , leukocyte, broiler, *Eimeri tenella*