EFFECT MENIRAN (Phyllanthus niruri, Linn.) AND DIFFERENTIAL LEUKOCYTE AMOUNT OF BROILER INFECTED Eimeriatenella

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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 Eimeriatenella 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 than chickens were also infected by Eimeriatenella 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 Eimeriatenella 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 Eimeriatenella infections. Data were analyzed using ANOVA then followed LSD Test. The results proved there was increasing in the number of total leukocytes and differential leukocytes particularly lymphocyte and hererophile of Eimeriatenella infected broiler.

Keyword: Phyllanthus niruri, leukocyte, broiler, Eimeriatenella