THE INFLUENCE OF INFUSA *Phyllanthus niruri,*. Linn SUPPLEMENTATION DIAMETER AND LYMPHOCYTE CELL NUMBER OF SPLEEN WHITE PULP OF *Eimeria tenella* –INFECTED BROILER

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ABSTRACT

The purpose of this study was to determine the effect of infusa *Phyllanthus niruri,*. Linn supplementation on diameter and lymphocyte count of spleen white pulp of *Eimeria tenella* infected broiler chicken. Twenty eight of broiler chickens at 24 days old of CP 707 were randomized into 4 treatment groups. Group A was fed basal and not infected with *Eimeria tenella* as a control group. Group B was fed basal and infected with $5x10^3$ oocytes of *Eimeria tenella*. Group C was fed basal and supplemented with 19.26 ml/gr body weight of *Phyllanthus niruri* for two days before infected with $5x10^3$ oocyst at 26 days old. Group D was fed basal and supplemented with 19.26 ml/gr body weight of *Phyllanthus niruri* in same day of infection with $5x10^3$ oocyst at 26 days old. All chicken were sacrified at 29 days old. Data of white pulp diameter and lymphocyte cell number of spleen was analyzed by ANOVA followed by HSD test. The results showed there were significant difference between groups both a white pulp diameter and lymphocyte number ($P<0.05$).

Keywords: white pulp diameter, *Phyllanthus niruri, Eimeria tenella,* lymphocyte cell