THE INFLUENCE OF SUPPLYING CRUDE CHLORELLA AND PROBIOTICS TOWARD HISTOLOGY MEASUREMENT OF BURSA OF FABRICIUS OF THE BROILER VACCINATED BY AVIAN INFLUENZA

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ABSTRACT

The aim of this study is to find out the influence of supplying crude chlorella and probiotics to the total lymphocyte and follicle diameters of bursa of fabricius of broiler vaccinated by Avian Influenza. Seven day old broiler devided randomly into nine groups with supplemented of 0% chlorella and 0 ml probiotics; 5% chlorella and 0 ml probiotics; 10% chlorella and 0 ml probiotics; 0% chlorella and 2 ml probiotics; 5% chlorella and 2 ml probiotics; 10% chlorella and 2 ml probiotics; 0% chlorella and 4 ml probiotics; 5% chlorella and 4 ml probiotics; 10% chlorella and 4 ml probiotics. When the broiler was six weeks old, they were sacrificed and the bursa fabricius were collected histological examination. The data were analyzed by Univariate ANOVA using SPSS for windows 13.00. The result show that supplementation with crude chlorella and probiotics had significant effect on the total lymphocyte and the follicle diameters.

Keywords: crude chlorella, probiotics, bursa of fabricius, vaccination.