AFLATOXIC CONTAMINATION IN FEED TO WEIGHT AND HISTOPATHOLOGICAL DESCRIPTION OF EXCHANGE LAYING PULLET BURSA FABRICIUS

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ABSTRACT

This research aims to determine the effect of Aflatoxin contaminated feed on the weight and histopathology of Stock Exchange Fabricius laying hens. The experimental animals in this study used the Isa Brown strain DOC Layer Commercial chicken which was given 20% of Aflatoxin contaminated feed. Aflatoxin contaminated feed was obtained from one of the farms in Blitar Regency. Furthermore, each treatment was divided into 3 subgroups based on sampling days, namely the treatment group day 0, day 20, and day 40, so that each subgroup consisted of 6 replications. Data analysis for Fabricius bursa organ weight using variance analysis (ANOVA) one way followed by Duncan to determine significant differences between treatments and for histopathological damage degrees using Kruskal Wallis analysis, if there are differences then evaluated by Mann Whitney test. The results showed that aflatoxin with a dose of 20% of contaminated feed did not affect the weight of the fabricius, but could affect histopathological changes.

Keywords : *Aflatoxin, Bursa Fabricius, Chicken Fabrition*