***Effect Of Synbiotic Addition Of Jackfruit Seed Extract and Lactobacillus sp. Bacteria In Feed On Leukocyte Count and Leukocyte Differential Of KUB Chickens***

**Dafian Erik ibrahim**
*Poultry Agribusiness Study Program*
*Department of Animal Science*

*ABSTRACT*

*This study was conducted to determine the effect of synbiotic administration of jackfruit seed waste and Lactobacillus sp. bacteria in feed on the number of leukocytes and leukocyte differential. This research was carried out in the cage of the Jember State Polytechnic using 100 8-week-old KUB chickens. This study used an experimental method with a Complete Random Design (RAL) with 4 treatments and 5 replicates (5 chickens in each replication). The data was analyzed by Analysis of Variance (ANOVA). If the results differ significantly (P<0.05), then proceed with the Duncan Multiple Range Test (DMRT). The treatments given were, P0 (without synbiotic), P1 (synbiotic 0.5%), P2 (synbiotic 1%), and P3 (synbiotic 1.5%). The parameters measured were leukocytes and leukocyte differentials (heterophiles, lymphocytes, and monocytes). Based on the results of this study, the synbiotic administration of jackfruit seed waste and Lactobacillus sp. bacteria in feed had a significant effect (P<0.05) on the content of KUB chicken leukocytes, but did not have a significant effect on heterophiles, lymphocytes, and monocytes. In the research that has been carried out, it has been shown that the administration of synbiotic jackfruit seed waste and Lactobacillus sp. in feed with a rate of 1% in feed exerts a pronounced influence on KUB chicken leukocytes.*

***Keywords****: Chicken KUB, jackfruit seed extract, Lactobacillus sp., leukocytes, leukocyte differential*