

***Effect of Adding Bile Acid and Green Emulsifier as Feed Additive In Ration On
Blood Fat Of KUB Chicken (Kampung Unggul Balitnak)***

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ABSTRACT

This study was conducted to evaluate the effect of the addition of bile acid (Bile Acid) and Green emulsifier as feed additive on the blood fat of KUB chickens (Kampung Unggul Balitnak). This study used 200 KUB chickens which were divided into 20 experimental units with 4 treatments and 5 replicates. The blood samples taken amounted to 20 animals with mixed genders. Using the RAL (Complete Random Design) method and the ANOVA (Analysis of Variance) test. If there is a real difference ($P < 0.05$), it will be continued with the Duncan Multiple Range Test (DMRT). The treatment in this study was P0 (Control), P1 (Bile Acid 0.1%), P2 (Green Emulsifier 0.1%) and P3 (Bile Acid 0.1% + Green Emulsifier 0.1%). The parameters measured were Cholesterol, Triglycerides, LDL (Low Density Lipoprotein) and HDL (High Density Lipoprotein). Based on the results of this study, the addition of Bile Acid 0.1% and green emulsifier 0.1% to feed had a real effect ($P < 0.05$) on the content of HDL (High Density Lipoprotein) in KUB chickens (Kampung Unggul Balitnak), but did not have a real effect on cholesterol, triglycerides, and LDL (Low Density Lipoprotein). The research that has been carried out shows that the addition of bile acid and green emulsifier with a level of 0.1% in feed has a real effect on the content of HDL (High Density Lipoprotein).

Keywords : *Chicken, bile acid, green emulsifier, feed additive, blood fat*