

***The Effect of Addition Bile Acid as a feed additive
in the feed on Broiler Performance***

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ABSTRACT

One of the high energy feed raw materials is oil, but oil has hidrophobic properties, which is insoluble in water and soluble in non-polar solvents. Bile acids are sterolic acids that are synthesized from cholesterol in the liver and are a major component of bile, which has a role in increasing the absorption of fat from the intestine. The purpose of this research is to determine the effect of adding bile acid to the feed on the performance of broiler chickens and to find out the best level of adding bile acids to broiler feed. The method used in this study was an experimental method using a completely randomized design (CRD) with a unidirectional pattern using four treatments consisting of P0 (Bile acid 0 g / kg of feed), P1 (Bile acid 0.5 gr / kg of feed), P2 (Bile acid 1 g / kg of feed), P3 (Bile acid 1.5 g / kg of feed) with 5 replications. Treatment starts at 15 to 35 days of age. The parameters observed were feed consumption, body weight gain, and feed conversion. From this study it can be concluded that the addition of bile acids has no significant effect on feed consumption, body weight gain and feed conversion.

Keyword : Broiler, Bile Acid, Oil, Performanc, Broiler Production