

**PENGARUH PEMBERIAN ENZIM FITASE PADA RANSUM BASAL
TERHADAP PERFORMAN AYAM KUB**

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INTISARI*)

Tujuan dari penelitian ini adalah untuk mengetahui pengaruh pemberian enzim fitase terhadap performan ayam KUB. Penelitian ini dilakukan pada tanggal 16 November 2020 sampai dengan 11 Februari 2021 di BPTBA-LIPI (Balai Penelitian Teknologi Bahan Alam-Lembaga Ilmu Pengetahuan Indonesia) Gunung Kidul. Penelitian ini dirancang menggunakan metode Rancangan Acak Lengkap (RAL) pola searah, terdiri dari 3 perlakuan yang mana masing-masing perlakuan terdiri dari 4 kali ulangan dan setiap ulangan terdiri dari 3 ekor ayam KUB. R0 = Ransum basal, R1 = Ransum basal + Enzim Fitase BAL, R2 = Ransum basal + Enzim Fitase Komersial. Adapun variabel yang diamati adalah konsumsi pakan, penambahan berat badan, FCR (*Feed Conversion Ratio*), kadar kolestrol darah. Data dianalisis dengan ANOVA. Berdasarkan hasil analisis dapat diketahui bahwa suplementasi enzim fitase pada ransum basal menunjukkan hasil berbeda tidak nyata ($P>0,05$) terhadap konsumsi pakan dengan nilai rerata R0: 1.136 , R1: 1.021 , R2: 1.219 g penambahan berat badan dengan nilai rerata R0: 178,99 , R1: 166,48 , R2: 184,17 g, FCR (*Feed Conversion Ratio*) dengan nilai rerata R0: 8,60 , R1: 6,28 , R2: 6,96 dan kadar kolestrol darah dengan nilai rerata R0: 110,93 , R1: 86,90 , R2: 101,95 mg/dl. Berdasarkan hasil penelitian dapat disimpulkan bahwa penggunaan enzim fitase dengan dosis 500 FTU/kg pakan, tidak berpengaruh pada performan ayam KUB.

*) Kata Kunci : Ayam KUB, Enzim Fitase BAL, Enzim Fitase Komersial, Performan Produksi.

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THE EFFECT OF PHYTASE ENZYME SUPPLEMENTATION IN BASAL RATION ON THE PERFORMANCE OF KUB CHICKEN

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ABSTRACT*)

The purpose of this study was to determine the effect of phytase enzyme on the performance of KUB chickens. This research was conducted on November 16th, 2020 to February 11th, 2021 at BPTBA-LIPI (Research Center for Natural Materials Technology-Indonesian Institute of Sciences) Gunung Kidul. This study was designed using a One way pattern of CRD method, consisting of 3 treatments in which each treatment consisted of 4 replications and each replication consisted of 3 KUB chickens. R0 = Basal ration, R1 = Basal ration + BAL Phytase Enzyme, R2 = Basal ration + Commercial Phytase Enzyme. The variables observed were feed consumption, gain, FCR (Feed Conversion Ratio), blood cholesterol contain. Data were analyzed by ANOVA. Based on the result of the analysis, it could be seen that the phytase enzyme supplementation in the basal ration showed no significant difference ($P>0.05$) on feed consumption with a mean value of R0: 1.136 , R1: 1.021 , R2: 1.219 g gain with an average value of R0: 178,99, R1: 166,48, R2: 184,17 g, FCR (Feed Conversion Ratio) with an average value of R0: 8,60 , R1: 6,28 , R2: 6,96 and blood cholesterol level with a mean value of R0: 110,93 , R1: 86,90 , R2: 101,95 mg/dl. Based on the result of the study, it could be concluded that the use of the phytase enzyme at a dose of 500 FTU/kg of basal ration did not affect on the performance of KUB chicken.

*) Keywords : KUB Chiken, BAL Fitase Enzyme, Commercial Fitase_Enzyme, Production Performance

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