Feeding Program of Crossbreed Kedu Chicken and Arab Chicken Based on Different Level of Energy and Protein in The Diet

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The objective of this experiment was to study the effect of feeding program of crossbreed kedu chicken and arab chicken base on different level of energy and protein in the diet. Sixty day old chicken (DOC) were used in this experiment. This experiment consist of three treatment, there are Pl= diet with energy-protein ratio 145 (EM = 2800 kcal/kg and crude protein = 19.62% (Rl)) for 1-8 weeks period of feeding, P2 = diet with energy-protein ratio 145 for first 4 weeks period of feeding and then continue to fed the diet with energy-protein ratio 150 (EM = 2600 kcal/kg and crude protein = 17.57% (R2)) for the second 4 weeks and P3 = diet with energy-protein ratio 145 for first 4 weeks period of feeding and then continue to fed the diet with energy-protein ratio 156 (EM = 2400 kcal/kg and crude protein 15,94% (R3)). The diets and water were given *ad libitum*. The experimental design used in this study was Completely Randomized Design with 3 treatment and 3 replicates. The data were analyzed by ANOVA (Analysis of Variance). If the result gave significant difference, analysis was continued by Orthogonal Contrast and Polynomial Orthogonal test. The results showed that body weight gain and feed conversion of treatment PI significantly better than other treatments. Body weight gain of treatment PI, P2 and P3 were 81.9, 72.4, 68.9 gram/bird, respectively. Feed conversion of treatment PI, P2 and P3 were 2.9, 3.3, 3.5 respectively. In conclusion feeding program for crossbreed kedu chicken and arab chicken was not necessan' to change energy-protein ratio in 4-8 weeks period of feeding.