The Effect of Palm Kernel Cake with Cellulase and Manannase Supplemented Enzyme Utilization in Broiler Ration

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Abstract

An experiment was conducted to use of palm kernel cake with cellulase and manannase supplemented enzyme in the ration on broiler performance. The method used was experimental. The design used was a completely randomized design (CRD) with 5 treatment rations containing palm kernel cake (PKC) (10%, 15%, 20%, 25% and 30%) and cellulase and manannase supplemented enzymes 800 U/kg in ration, each treatment was repeated four times. Parameters measured were feed intake, body weight gain, feed conversion, body weight, carcass percentage of broiler chickens. The results showed that the use of palm kernel cake with cellulase and manannase supplemented enzyme in the ration of broiler had no significant (P>0.05) effect on feed consumption, but highly significant (P<0.01) in to the body weight gain, feed conversion, body weight and carcass percentage. The results of this study concluded that palm kernel cake up to 25% and cellulase and manannase supplemented enzyme 800 U/kg in ration can provide favorable performance as seen from consumption (2269.43 kg), body weight gain (1219.19 kg), feed conversion (1.86), body weight (1466.25 kg), carcass percentage (65.22%).

Keywords: Palm kernel cake, Supplemented, Cellulase, Manannase, Performance.