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COMPARATIVE PERFORMANCE OF FOUR BREEDS OF BROILER CHICKENS FED A POPULAR COMMERCIAL DIET IN KUTA

Dikko H A, Tsado D N, Adama T Z and M J Ibrahim

Federal University of Technology, Minna, Nigeria

The aim of this work was to compare the performance of four breeds of broiler chickens fed a popular commercial diet in Kuta. One hundred and twenty days old chicks of different breeds, 30 each (Arbor Acre, Marshal, Anak, Cobb) were selected and randomly allotted to four treatments with three replicates each in a complete randomized experimental design. Results from the experiment revealed that there was no significance ($P < 0.05$) difference among the treatments in terms of water intake, feed intake body weight gain and feed conversion efficiency. Anak and Cobb breeds showed the highest numerical values for the most of the performance indices measured such as average weekly

feed intake (1425.60 g, 1272.60 g), total feed intake (4714.3 g, 4509.8 g), average weekly water intake (4046.40 ml, 4317.00 ml), total water intake (12698.7ml, 14527.6ml), average weekly body weight gain (298.51 g, 348.13 g), and feed conversion ratio (4.87, 3.67). This research show that the Cobb breed have superior performance compare to other breeds on the same feed and under same environmental condition in Kuta. This implies that the production of the four mentioned breeds can perform in Kuta but the feed is more favourable to Cobb breed.

aliyu.dikko@futminna.edu.ng