

Investigation on effect of different levels of dried orange peel and its extract on performance and plasma metabolites in broiler chicks

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Abstract This experiment was conducted in order to investigate the effect of different levels of dried orange residues in diet on performance and blood parameters of broilers. A total of 200 one day broiler chicks were distributed into a Completely Randomized Design (CRD) having 5 dietary treatments with 4 replicates and 10 birds in each replicate. The experimental treatments consist of a Control group (without additive), 0.5, 1, 1.5. and 2% of dried orange residues in diet. Weight gain, feed intake and FCR were measured weekly and reported periodically (starter, grower and overall of rearing period). Blood parameters and carcass traits were measured in 42th day. The Highest level of dried orange residues (T5) had significantly increased the feed intake and body weight of broiler in grower and overall of rearing period ($p>0.05$). Different levels of apple dried orange residues had no significantly effect on FCR. Using of dried orange residues significantly decreased liver and abdominal fat (p

Keywords : Key World: dried orange residues, Performance, Blood Parameter and Broiler.

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