



## **Effects of dietary hatchery wastes on performance and biochemical of serum in broiler**

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The aim of this study was to investigate the effects of different levels of hatchery wastes (HW) in broiler chickens diets. 180 day old male chickens were allocated in to 5 groups and three replicates in a completely randomized design from 7-56 days of age, levels of 0, 2, 4, 6 and 8% of HW were included in diets. The HW were controlled after processing (drying and eliminating the microbial load). Results of the data showed the use of wastes to the level of 4%, had no significant difference in weight gain, feed intake and feed conversion ratio (FCR) between groups (in various period). Average carcass combination included had significant differences in breast weight % ( $P<0.05$ ) and abdominal fat ( $P<0.01$ ) between groups and organoleptic quality of the grille breast meat was significant both in males and females ( $P<0.05$ ). The glucose of serum significantly increased in 5 and 8 weeks ( $P<0.01$ ), but CHOL and TG were only significant in eighth week ( $P<0.05$ ). Results showed, we could use the HW up to 4% after necessary processing in broiler diets.

**Keywords:** hatchery waste, performance, carcass, serum and broiler.

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