

Effects of amount and duration of Green Tea powder usage on Performance, Blood Parameters and Carcass Characteristics of Broilers

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abstract In order to study the effects of amount and duration of green tea powder usage on performance, blood parameters and carcass characteristics of broilers an experiment was performed during a 42 period of time in a completely randomized statistical design based on factorial 24 including four levels of green tea powder (0.25-0.5-0.75-1) percent and two periods of (21 and 42) days with 8 treatments, 3 replications and ten male broilers one day old of the Ross 308 strain in each replication. Besides in this research a control treatment with 3 replications, each replication including 10 broilers of the same sex and strain was also surveyed. To compare the performance characteristics 270 samples and for compare blood parameters and carcass characteristics each replication one sample (totally 27 samples) was surveyed. on 42nd day (the end of the period) and after final weighing, blood sampling was done to evaluate the blood parameters and then to evaluate carcass characteristics slaughter was done. Statistical analysis was performed with statistical software of SPSS 19 and the comparison of means was performed by Duncan test. the results of the present research revealed that the treatment No.4 with the 0.5% green tea powder for 21 days, with the less food consumption that the control group had the most weight gaining (P0/05) and the best production index (P0/05). the amounts of uric acid, TG and VLDL in this treatments were significantly reduced (P0/05). Meanwhile the AST and ALT level was the least in the second treatment (P

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