

Growth Performance of Broiler Chicken (*Gallus gallus domesticus*) in Response to Cinnamon Powder as Feed Additives

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Abstract

One hundred-twenty (120) heads of day-old Cornish-cross broiler chicks were used in the study, which employed a Completely Randomized Design (CRD). The purpose of the study was to evaluate the growth performance of broiler chickens in response to cinnamon powder supplementation. There were four treatments which were replicated three times having 10 broiler chicks per replication. Treatment 1 (T1) had 50g cinnamon powder as feed additives, Treatment (T2) with 75g cinnamon powder, Treatment 3 (T3) with 100g cinnamon powder and the Control group (T0) had a basal diet of commercial feeds with no feed additives. The study investigated the growth parameters of broiler chickens for 30 days, after the termination of the study the chickens were slaughtered and weighed to determine the carcass performance of the chickens. After the period of experimentation broiler chickens from Treatment 3 (T3) with 100 grams of cinnamon powder obtained the highest live weight compared to other treatments. Also, it was observed in the study that broiler chickens from Treatment 3 (T3) had the highest return on investment with 64%.

Key Words: Cinnamon Powder, commercial feeds, feed additives, growth performance, Cornish-cross

