

## Effect of Sweet Potato (*Ipomoea batatas*) Leaves on Wheat Offal Replacement for Chicks Feed Production

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**Abstract :** The effect of addition of sweet potato leaves in replacement of wheat offal in the production of broiler chicks feed was studied. 72 day-old marshal strain chicks were used and brooded for two weeks with a normal commercial feed in Nigeria called top feed and weighed separately at the end of the two weeks, complete randomized design (CRD) was used. The weighed broiler chicks were randomly allocated to four dietary treatments. Each treatment was replicated to twice with eighteen birds per replicate. The four dietary treatment identified as T1, T2, T3 and T4. T1 served as control diet with 21% crude protein content, while T2 was prepared with Enzyme and in T3 and T4, wheat offal was replaced with sweet potato leaves and in T4 with inclusion of enzyme. Growth performance was studied using the following daily feed intake, daily weight gain and feed efficiency. The result in daily weight gain showed that chicks fed with T2 feed had the highest weight gain (93.75) while chicks fed with T3 had the least weight gain of (34.5 gm). In daily feed intake chicks fed with T4 fed more (53.06 gm) than chicks fed with T2 (51.08 gm). In feed efficiency T3 had the highest value of 30% while the T2 had the least efficiency of 22%. There was no significant difference ( $P \geq 0.05$ ) in all the three parameter tested. Sweet potato leaves can replace wheat offal in broiler feed production without any adverse effect on the growth performance.

**Keywords :** broiler, diet, dietary, potato leaves, wheat offal

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