

ABSTRACT

Dewi, Yanti Mala. 2011. The Effect of Broiler Chicken Feet Meal as Fish Flour Substitution Inside The Rations Toward Feed Consumption, Weight, Feed Conversion of Arabian Chicken (*Gallus turcicus*).

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Keywords: Arabian chicken (*Gallus turcicus*), broiler chicken feet meal, feed consumption, weight and feed conversion.

Arabian chicken (*Gallus turcicus*) arabian chicken (*gallus turcicus*) is including the type of egg producing chickens which are quite high. Arabian Chicken egg production is reached 60% egg/year compared with chicken strain *Hisex Brownian* egg production much as 50% egg/year. Arabian chicken needs nutrients in it's feed for growth and egg production. Fish meal is the best source of protein, considering its essential amino acid content is very supportive for growth and egg production, but the price of the fish meal are expensive and still largely imported, so there is need for another alternative instead of fish meal. Broiler chicken feet meal contains protein as much as 34,56 % almost equal with fish flour, and methionine as much as 1,88 g/100g. The use of broiler chicken feet meal might be expected to affect consumption, weight, and feed conversion of arabian chicken (*Gallus turcicus*).

This research is an experimental by research using Completely Randomized Design (RAL) with 5 treatments 4 repetition. The treatments used were broiler chicken feet flour with concentration 0%, 4%, 6%, 8%, and 10%. The research was conducted in experimental hennerly located at JL. Kendal Sari Gg. V No.43b 5/10 Lowokwaru, Malang. If there are significant it will be differences followed by a oneway ANOVA. If the calculated F count \geq F table 0,05, it will be followed by Smallest Real Difference test (BNT) 0,05.

The research result showed that the flour of broiler chicken feet which is mixed in the feed had no effect on the consumption and feed conversion, but there can raise value consumption, while giving the feet flour broiler chickens as a substitute fish meal in rations influences weight gain of arabian chicken (*Gallus turcicus*). The highest weights found in P5 with a value of 40,25 grams of 120 grams namely feed ingredients contain of 10% of broiler chicken feet flour g/head/day.