EFFECT OF GIVING LEAVES BANGUN-BANGUN (*Coleus amboinicus* Lour) ON PRODUCTION AND QUALITY OF CHICKEN EGG

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Abstract

This study aims to determine the effect of giving leaves bangun-bangun (*Coleus Amboinicus* Lour) in the ration to egg production, feed consumption, feed conversion, egg weight, egg yolk color and to find out level of administration of giving leaves bangun-bangun (*Coleus Amboinicus* Lour) in the best ration for egg production, feed consumption, feed conversion, egg weight, egg yolk color.

This research was carried out for 6 months starting from February to July 2015 at the Farm of the Agriculture Polytechnic State of Payakumbuh. This study used 80 heads of 9-month-old laying hens, the brown isa strain divided randomly into 20 experimental units, and each experimental unit consisted of 4 tails and each individual was placed in a cage single. The chickens are kept for 6 weeks, and the data collection is carried out for 4 weeks of maintenance, every day the egg production is recorded, the eggs are weighed, each week the ration is weighed to get feed consumption, feed conversion, egg yolk brightness, egg yolk cholesterol, egg weight.

The parameters observed in this study were: egg production (hen day), egg weight, feed consumption, feed conversion, egg yolk brightness and egg yolk cholesterol. This study uses a Completely Randomized Design consisting of 5 treatments and 4 replications, so that the number of experimental units is 20 units, each of which consists of 4 chickens. The treatment is 5 levels of leaves bangun-bangun (0%, 2%, 4%, 6% and 8%) in the ration.

The results were obtained as follows: 1) there was no effect of the level of leaves bangun-bangun in the ration on feed conversion, egg weight and egg yolk color, 2) the level of leaves bangun-bangun in the ration had a very significant effect ($P < 0.01$) on feed consumption, hen day production, and egg yolk cholesterol. 3) The provision of leaves bangun-bangun up to 2% in rations, high egg production and the lowest conversion.

Key words: egg production, leaves bangun-bangun, feed consumption