

Effect of Dietary Soy Sauce Dregs and Cassava Peel Meal in Feed on the Performance of Laying Quail

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ABSTRACT

This study was aimed to determine the effect of soy sauce dregs and cassava peel meal as additional feed ingredients in feed on performance and determine the best percentage of provision in laying quail aged 3 to 5 weeks. The research was conducted using the experimental method of Completely Randomized Design (RAL) and Analysis of Variance (ANOVA), if there is a real difference followed by the Duncan Multiple Range Test (DMRT) using 180 DOQ (Day Old Quail) divided into 4 treatments with the level of addition of soy sauce dregs and cassava peel, namely P0 (control), P1 (5% soy sauce dregs and cassava peel), P2 (10% soy sauce dregs and cassava peel), P3 (15% soy sauce dregs and cassava peel) with 5 replicates and each replicate contained 9 DOQ. The treatment started at the age of 3 weeks until 5 weeks. Parameters observed were feed consumption, body weight gain, and feed conversion and mortality. The results showed that the provision of soy sauce dregs and cassava peel could significantly ($P < 0.05$) affect feed consumption but did not significantly affect body weight gain, feed conversion ratio and mortality. The percentage of 10% gave the highest body weight gain of 97.33 g/head and the lowest feed conversion rate of 4.37. However, the 15% percentage can reduce feed consumption with an average feed consumption of 401.53 g/head and body weight gain with a value of 91.28 g/head. Mortality is still tolerable total mortality is in P1 with a percentage of 2.22%, P 3 2.22%.

Keywords: Soy sauce dregs, cassava peel, quail performance.