

SUBSTITUTION OF COMMERCIAL RANSUM USING CARROT LEAF FLOUR (*Daucus carota L.*) TO EGG PRODUCTION, CONSUMPTION, AND FEED CONVERSION OF QUAIL (*Coturnix coturnix japonica*)

Dyah Kusumastutie

ABSTRACT

The purpose of this research is to know the effect of carrot leaf flour in commercial feed to egg production, feed consumption, and conversion of quail feed (*Coturnix coturnix japonica*). This experiment used 40 quail (*Coturnix coturnix japonica*). The quail was randomized into 4 treatments with 5 replications, each treatment consisting of five repetitions and each repetition consisting of 2 tails. Treatment P0 = commercial 100%, P1 = commercial 98% + 2% carrot leaf flour, P2 = commercial 96% + 4% carrot leaf flour, P3 = commercial 94% + 6% carrot leaf flour. The results showed that there was significant difference ($p < 0,05$) to egg production, not significantly different ($p > 0,05$) to feed consumption, significantly different ($p < 0,05$) to feed conversion. These result conclude that the addition of carrot leaf flour to commercial feed for up to 6% can increase egg production and can decrease feed conversion value. No effect on feed consumption.

Key Words : Quail, carrot leaf flour, feed consumption, egg production, feed conversion