

## PENGARUH TEPUNG DAUN LAMTORO TERHADAP KADAR TIROKSIN DARAH DAN KINERJA PUYUH FASE PERTUMBUHAN

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### ABSTRACT\*

*This study was investigate to know the effect of Leucauna leaf meal on blood tiroxine content and Coturnix-coturnix japonica performance in grower period. Sixty female qualis of 21 day-old age were classified randomly into 12 cages arranged in 3 lined floors in one parallel side so that each of floors consists of 4 cages, so all were 4 treatments. The four ration treatments were differed based on rates of 0%, 5%, 10% and 20% Leucauna leaf meal. The analyzed samples were blood tiroxine hormone content and Coturnix-coturnix japonica performance including feed consumption, body weight growth, feed conversion and mature sex age. The data were analized statistically by analysis of variance, then the ANOVA results of data were followed up by DMRT to understand the difference. The DMR test was not carried out to the data of mature sex. The blood tiroxine content in this study indicated the real difference. The average blood tiroxine content ranges were 5.78, 5.15, 2.30 and 1.68 microgram/dl. The feed consumption value of body weight growth, feed conversion, and mature sex age in 4 ratio treatments indicated the real difference. The average feed consumption percentage range was 14.20 – 19.40 gr. The body weight range was 37.00 – 93.33 g, and feed conversion range was 0.20 – 0.38. Each of mature sexes was between 41.33 and 48.66. The ration with the TDL limit on 5% showed the occurrence of the mature sex slowness. Accordingly it was concluded if the ration of quails had to use TDL then the substitution of 5% was acceptable although it was still necessary to study commercially furthermore the profit and detriment.*

(Key word : Coturnix-cortunix japonica, Ratio, Leucauna leaf meal, Blood)

### PENDAHULUAN

#### Latar Belakang

Puyuh mempunyai potensi besar seperti unggas lainnya karena mempunyai sifat dan kemampuan yang menguntungkan

bila ditenakan. Potensi puyuh antara lain telur dan dagingnya bergizi dan lezat rasanya. Dewasa kelamin dicapai pada umur sekitar 42 hari dengan produksi telur sebanyak 200 – 300 butir pertahun. Pemeliharaan puyuh cukup