

PENGARUH SUPLEMENTASI TEPUNG KULIT BUAH NAGA
(*Hylocereus polyrhizus*) TERHADAP KINERJA PUYUH JANTAN
(*Coturnix - coturnix japonica*)

YOHANES DONBOSKO EDISON JALENG
NIM: 13021047

INTISARI *)

Penelitian ini bertujuan untuk mengetahui pengaruh suplementasi tepung kulit buah naga dalam ransum terhadap performan burung puyuh jantan. Rancangan penelitian yang digunakan adalah rancangan acak lengkap pola searah dengan 4 perlakuan dan setiap perlakuan diulang 3 kali. Perlakuan tersebut yaitu R0 tanpa tepung kulit buah naga, R1 tepung kulit buah naga 0,5%, R2 tepung kulit buah naga 1%, dan R3 tepung kulit buah naga 1,5%. Variabel yang diamati meliputi konsumsi pakan, penambahan bobot badan, *feed conversion ratio* (FCR), mortalitas dan IOFC (*income over feed cost*). Data dianalisa dengan analisis variansi bila terdapat perbedaan yang nyata antar perlakuan maka diuji lanjut dengan Duncan's New Multiple Range Test (DMRT). Puyuh yang digunakan sebanyak 120 ekor yang dibagi dalam 4 perlakuan pemberian tepung kulit buah naga yang diulang 3 kali, setiap ulangan berjumlah 10 ekor. Rerata nilai konsumsi pakan R0.544; R1.552; R2.576; dan R3.572; gram/ekor selama penelitian. Rerata nilai penambahan bobot badan R0.69,2; R1.70,8; R2.70,8; dan R3.70 gram/ekor selama penelitian. Rerata nilai konversi pakan (FCR) R0.7,87; R1.7,81; R2. 8,16 dan R3.8,18. Rerata nilai *income over feed and Quail cost* (IOFQC) R0.-316; R1.-289; R2.-447; dan R3.-458 rupiah/ekor. Hasil penelitian menunjukkan bahwa penambahan tepung kulit buah naga dalam ransum puyuh jantan tidak berpengaruh nyata ($P>0,05$) terhadap konsumsi pakan, pertumbuhan bobot badan dan konversi pakan. Disimpulkan bahwa penambahan tepung kulit buah naga pada ransum dengan level 0,5 - 1,5% tidak berpengaruh terhadap kinerja puyuh jantan.

Kata kunci : *Puyuh, kinerja puyuh jantan, tepung kulit buah naga,*

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**THE EFFECT OF DRAGON FRUIT (*Hylocereus polyrhizus*) MEAL
SUPPLEMENT ON PERFORMANCE OF MALE QUAIL
(*Coturnix - coturnix japonica*)**

**YOHANES DONBOSKO EDISON JALENG
NIM: 13021047**

ABSTRACT *)

This study aims to determine the effect of dragon fruit meal supplementation in ration on performance of male quails. The study design used was a completely randomized design with four treatment and each treatment was repeated three times. The treatments were; R0 without dragon fruit meal, R1 dragon fruit meal 0.5%, R2 dragon fruit meal 1%, R3 dragon fruit meal 1.5%. The observed variables included feed consumption, body weight gain, Feed Conversion Ratio (FCR), mortality and IOFC (income over feed cost). Data were analyzed by analysis of variance when there were significant difference then tested further with Duncan's New Multiple Range Test (DMRT). A total of 120 quails were divided into 4 treatments giving flour of dragon fruit rind which was repeated three times, each repetition of 10 quails. The average value of feed consumption R0: 544, R1: 552, R2: 576, R3: 572 grams/head during the study. The mean value of body weight gain was R0: 69.2, R1: 70.8, R2: 70.8, R3: 70 gram/head during the study. Average feed conversion value (FCR) R0: 7.87, R1: 7.81, R2: 8.16, R3: 8.18. The mean value of Income Over Feed Cost and Quail cost (IOFQC) R0:-316, R1:-289, R2:-447, R3:-458. The results of this study indicate that the addition of dragon fruit meal in male quail ration had no significant effect ($P>0.05$) on feed consumption, body weight growth and feed conversion. This study concludes that the addition of dragon fruit meal to ration with a level of 0.5 - 1.5% does not affect the performance of male quails.

Keywords: Quail, male quail performance, dragon fruit meal.

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