

The Effect of Dietry Supplementation of Hong Kong (*Tenebrio molitor*) Caterpillar on Quail Egg Quality

Nuraini Nuraini^{1*}, Yuliaty Shafan Nur¹, Ade Djulardi, Robi Amizar and Yesi Chwenta Sari¹

¹Faculty of Animal Science, Universitas Andalas, Indonesia

Corresponding author: nuraini@ansci.unand.ac.id

INTRODUCTION Tenebrio molitor Caterpillar Fish meal **Tenebrio molitor Caterpillar: SUBTITUTED High Crude protein = 62%,** by • Fish meal premium (High CP = 64%): ME = 3.362 kcal/kgexpensive **High of Amino acids Imports** glutamic acid = 6.86 **METODE** • Local fish meal : quality is not up to alanine = 5.37%, standard (CP 30-35%) aspartic acid = 4.80%, The availability fish meal is not lysine = 4.75%, continuous **Unsaturated fatty acids:** linoleic acid (omega 6) = 34.24%, oleic acid (omega 9) = 21.28%, linolenic acid (omega 3) = 1.15% **RESULT** (Nuraini et al., 2021) FERMENTED MEDIUM For Tenebrio molitor **RESULTS** Average Egg Yolk Cholesterol of Laying Quail Aged (8-13 Weeks) 965,13° 909,51^b 874,75° **Egg Yolk Fat of Quail** 34,58ab 33,56ab 33,37ab 31,47^b Tenebrio molitor caterpillar 30 Description:* = significantly different 20 **15** Grafik 1. Egg yolk cholesterol of laying quail

CONCLUSION

The use of *Tenebrio molitor* caterpillars up to a level of 12% in laying quail diet can replace 100% of imported fish meal and can maintain the production performance of laying quail, and also can reduce egg yolk cholesterol (26,14%) and reduce egg yolk fat of quail.

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RA (0%

TmL)

RB(3%

TmL)

RC(6% TmL)

RD(9%

RE(12%

TmL)

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Laying Quail

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