

Thesis

**THE INFLUENCE OF USING FERMENTATED
RUMEN CONTENT AT QUAIL FEED TO THE
PROTEIN OF YOLK AND ALBUMEN
OF QUAIL EGGS**



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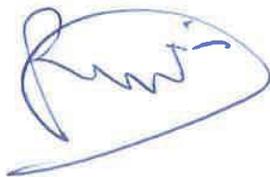
ENDORSMENT FORM

**THE INFLUENCE OF USING FERMENTATED
RUMEN CONTENT AT QUAIL FEED IN
TERMS OF YOLK AND ALBUMEN
PROTEIN OF AN EGGS**

Thesis
Submitted in partial fulfillment of the requirement for degree of
Bachelor of Veterinary Medicine
at
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by:
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Approval of
Supervisor Comitee,



(Dr. Moh. Anam Al Arif, drh., MP)
Supervisor



(Dr. Tita Damayanti Lestari., drh., M.Sc)
Co Supervisor

DECLARATION

Hereby, I declare that in this thesis entitled :

**THE INFLUENCE OF USING FERMENTATED
RUMEN CONTENT AT QUAIL FEED IN
TERMS OF YOLK AND ALBUMEN
PROTEIN OF AN EGGS**

There is no other work ever published to obtain a college degree in a certain college and according to my knowledge there is also no work or opinion ever written or published by others, except those in writing referred to this paper and mentioned in the reference

Surabaya, 09 January 2020



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SUMMARY

Gesa Cantya Primatara, research with the title “THE INFLUENCE OF USING FERMENTATED RUMEN CONTENT AT QUAIL FEED IN TERMS OF YOLK AND ALBUMEN PROTEIN OF AN EGGS” under the supervision of Dr. Moh. Anam Al Arif, drh., MP as the first supervisor and Dr. Tita Damayanti Lestari, drh., M.Sc as the co-supervisor.

The aim of the research is to find out whether the usage of fermentation cattle ruminal content in quail’s feed ransom can influence the protein content inside the yolk and albumen of an egg. This study was used 96 adult female quails as experimental animals. The selected aged 40 - 45 days.

A total of 96 quails were divided into 4 feed treatments and 6 replications, each containing 4 quails. The treatment of this experiment such as T0 is Control, feed formulation (0% fermentated rumen content), T1 is Formulation feed (5% fermentated rumen content) T2 is Formulation feed (10% fermentated rumen content) T3 is Formulation feed (15% fermentated rumen content)

The mean score nutrition of yolk protein in the treatment group T0 as control is 12,934. In the group T1, the mean score nutrition of yolk protein is 13,858. In the group T2, the mean score nutrition of yolk protein is 13,792. The last group of T3, the mean score nutrition of yolk protein is 13,801. The results of One Way Anova test nutrition of yolk protein were $T = ,093$ which showed a significant difference in all treatment groups ($T > 0,05$). The differences in each group were followed by post hoc test Tukey HSD

The mean score nutrition of albumen protein in the treatment group T0 as the control is 12,201. In the group T1, the mean score nutrition of albumen protein is 10,930. In the group T2, the mean score nutrition of albumen protein is 10,643. The last group of T3, the mean score nutrition of albumen protein is 10,760. The results of One Way Anova test of creatinine were $T = ,000$ which showed a significant difference in all treatment groups ($T > 0,05$). The differences in each group were followed by post hoc test Tukey HSD.

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Foremost the author would like to express his highest gratitude for the blessings, mercy, and guidance from Allah S.W.T that has helped him through all life challenges including the process of writing and completing this thesis entitled: **THE INFLUENCE OF USING FERMENTATED RUMEN CONTENT AT QUAIL FEED IN TERMS OF YOLK AND ALBUMIN PROTEIN OF AN EGGS**

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The author acknowledges that the writing is still far from perfect. Therefore, the author expects critics and recommendations to improve the thesis. The author wishes that the thesis will be useful for science and might give a contribution to the veterinary medicine and those who needs it.

Surabaya, 09 January 2020

Author