

**THE EFFECT OF RICE BRAN WITH PHYTASE ENZYME
AND LEMURU FISH OIL SUPPLEMENTATION
TO THE *LAYER'S* EGG WEIGHT AND EGG
PRODUCTION**

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ABSTRAK

This research was aimed to determine the effect of rice bran with phytase enzyme and lemuru fish oil supplementation on the digestibility of egg weight and egg production in the layer. This research was experimental research. This research was used 24 ISA Brown layers 48 weeks old. P0 group was the negative control and P1 group was the positive control. P0 group was not given rice bran with phytase enzyme and lemuru fish oil supplementation. P1 group was given 2% of lemuru fish oil supplementation without rice bran with phytase enzyme substitution. P2 to P5 were given rice bran with phytase enzyme as substitution with different percentage (5%, 10%, 15%, and 20%) and supplemented with 2% of lemuru fish oil. The sample of the data were used the egg weight and egg production that was taken in the last week of the research. The data was analyzed used Analysis of Variance (ANOVA) and continued with Duncan. The result of the research showed that the best substitution of rice bran with phytase enzyme was the used of rice bran with phytase enzyme by 20% in the layers feed.

Kata kunci: rice bran, phytase enzyme, egg weight and egg production, layer.