

**THE EFFECT OF FLOUR OF FERMENTED RUMEN DIGESTA AS A
SUBTITUDE FOR RICE BRAN TOWARDS FEED INTAKE, EGG
PRODUCTION AND FEED CONVERSION RATIO OF KHAKI
CAMPBELL LAYING DUCK (*Anas platyrhynchos domesticus*)**

NURHAYATI DWI ASTUTIK

ABSTRACT

The purpose of this study was to determine the effect of flour of fermented rumen digesta as a substitute for rice bran to feed intake, egg production and feed conversion ratio of Khaki Campbell laying duck. This research used Khaki Campbell laying ducks 24 weeks and the materials used were feed formula and flour of fermentation rumen digesta. This method used a "Completely Randomized Design" with 5 treatments and 5 replications. The treatment used was flour of fermentation rumen digesta with variance dosages 0%; 7,5% ; 12,5%; 17,5%; and 25%. Data were analyzed by using *Analysis of Variance (ANOVA)* and continued with *Duncan's Multiple Range Test of SPSS*. The result showed there were significant difference ($p < 0,05$) on feed intake, egg production and feed conversion ratio. The conclusion is fermented rumen digesta as substitute for rice bran can be used until dosage 17,5% in feed formula.

Keywords : Khaki Campbell laying duck, fermentation, rumen digesta, feed intake, egg production, feed conversion ratio.