

THE EFFECT OF FERMENTED TOFU DREG BY *RHIZOPUS SP* IN RATION
ON PERFORMANCE NATIVE CHICKEN (*Gallus domesticus*)

EKA PRATAMA APSONI

NIM: 14021005

ABSTRACT *)

This research aims to know the influence of the use of fermented tofu dreg with *Rhizopus Sp* in ration on performance native chicken. Research conducted from 17 February until 28 April 2018 in Bekelan Sidorejo Lendah Kulonprogo. This study used a Randomized Complete Design and makes the pattern, the treatments used namely consists of 5 levels fermented tofu dreg (P0%, P5, P10, P15 and P20%), each treatment was repeated three times, and each consists of 5 chicken . The data were analyzed using Analysis of Variance (ANOVA), a real difference followed by test Duncan's New Multiple Range Test (DMRT). The observed variables were weight increase rate, feed consumption, conversion rations and Income Over Feed and Chick Cost (IOFCC). The results showed that the average of consumption rations for P0, P5, P10, P15 and P20% are 2,978.65; 2,900.07; 2,908.07; 2,887.20 and 2,862.13 g. average weight increase rate to P0, P5, P10, P15 and P20% are 679.67; 658.13; 647.60; 631.27 and 619.67 g. Conversion average ration for P0, P5, P10, P15 and P20% are 4.40; 4.42; 4.51; 4.57 and 4.63. Meanwhile, the average IOFCC to P0, P5, P10, P15 and P20% are Rp 2502,77; RP 2,685.80; RP 2,120.16; RP 1,728.34 and Rp 1,759.98. The use of fermented tofu pulp in rations to 20% effect is not significant defferent ($P>0.05$) on weights increase rate, conversion ration and IOFCC but significant different ($P<0.05$) on consumption of rations. It was concluded that the use of fermented tofu dreg on lefel 5% in the ration provides is the best performance.

Keywords: native chicken, performance, rough fibre, fermentation

*) Abstract Thesis Bachelor of Animal Husbandry, Animal Husbandry Program, Faculty of Agroindustry, University of Mercu Buana Yogyakarta, 2018.