

THE EFFECT OF FERMENTED TOFU DREG IN RATION ON  
THE PERCENTAGE OF CARCASS, CARCASS PARTS  
AND ABDOMINAL FAT OF NATIVE CHICKEN

(*Gallus domesticus*)

**FAIZAL RATTU**

**NIM : 14021045**

**ABSTRACT\*)**

This study aims to determine the effect of the use of fermented tofu dreg with *Rhizopus* sp in ration on the percentage of carcass, carcass parts and abdominal fat of native chicken. The study was carried out from February 17, 2018 to April 28, 2018 in the cage of chicken raising in Bekelan hamlet, Sidorejo village, Lendah district, Kulonprogo regency. The study used a unidirectional randomized design (RAL) pattern, the treatment used consisted of 5 levels of fermented tofu dreg (P0%, P5%, P10%, P15% and P20%), each treatment was repeated 3 times and each replication consisted from 5 tails. Data were analyzed using Analysis of Variance (ANOVA), if there were significant differences followed by Duncan's New Multiple Range Test (DMRT). The variables observed were live weight, carcass weight, chest weight, thigh weight, back weight, wing weight, and abdominal fat weight. From the research obtained, the P1: 737 live weight P2: 775 P3: 687 P4: 722 P5: 653 g / tail carcass weight P1: 429.44 P2: 427.76 P3: 405.02 P4: 412.17 P5: 372.88 g / tail wing weight P1: 64.43 P2: 62.08 P3: 63.03 P4: 61.17 P5: 55.48 g / tail thigh weight P1: 150.77 P2: 156.46 P3: 146.11 P4: 146.83 P5: 143.35 g / tail chest weight P1: 72.44 P2: 79.10 P3: 71.60 P4: 69.08 P5: 62.88 g / tail back weight P1: 141.80 P2: 130.11 P3: 124.28 P4: 135.08 P5: 111.16 g / tail abdominal fat weight P1: 9.03 P2: 7.53 P3: 1.72 P4: 5.41 P5: 2.96 g / tail. The use of fermented tofu dregs significantly ( $P < 0.05$ ) on live weight, and weight and percentage of abdominal fat but no significant effect ( $P > 0.05$ ) on carcass weight, wing weight, thigh weight, chest weight, and back weight. It was concluded that the use of tofu dreg level 15% was able to maintain the percentage of chicken carcass.

Keywords: Native chicken, tofu dreg, fermentation, percentage of carcass

---

\*) Abstract Thesis Bachelor of Animal husbandry, Animal Husbandry Program, Faculty of groindustri, Unifersity of Mercu Buana Yogyakarta, 2019