

THE EFFECT OF TOFU DREG FERMENTED BY *Rhizopus sp* IN RATION
ON NATIVE CHICKEN (*Gallus domesticus*) MEAT PHYSICAL QUALITY

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ABSTRACT*

This research has purpose to know the effect tofu dreg fermented with *Rhizopus Sp* in ration on native chicken meat physical quality. The study was conducted from February 17, 2018 to Mei 14, 2018 at in Bekelan hamlet, Sidorejo village, Lendah sub-district, Kulonprogo district. This study used a Completely Randomized Design (RAL) of the unidirectional pattern, the treatments used consisted of 5 levels of fermented tofu pulp (P0%, P5%, P10%, P15% and P20%), each treatments was repeated 3 times and each replicate consisted of 5 chickens. The data were analyzed using Analysis of Variance (ANOVA), the significant difference test by Duncan's New Multiple Range Test (DMRT). The variables observed were power of hydrogen (pH), cooking loss, water holding capacity (WHC), and tenderness. The results showed that the level of tofu dreg fermented had no significant effect on the power of hydrogen (pH), water holding capacity (WHC), cooking loss, and tenderness. It can be concluded that the best of level tofu dreg fermented is 20%.

Keywords: Chickens, tofu dreg, fermentation, physical quality

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