

**THE USAGE OF FERMENTED SOY BEAN CAKE (TEMPE) WASTE AS  
CORN SUBSTITUTION TO CARCASS AND ABDOMINAL FAT  
PERCENTAGE OF DUCK LAYER**

Anggita Surya Diningrum

**ABSTRACT**

This study was done to know the use of fermented soy bean cake (tempe) waste as corn substitution of carcass and abdominal fats percentage of duck layer. This study used 25 ducks layer that use 24 week old such as five treatments comprising five different concentration of soy bean cake waste was Completely Randomized Design (CRD). Data was analyzed using ANOVA. P0 as control, P1 used 15% substitutions of soy bean cake waste in feed formulation, P2 used 15% fermented soy bean cake waste, P3 used 30% fermented soy bean cake waste in feed formulation, P4 used 30% soy bean cake waste in feed formulation. Result of this study showed non significant for usage of fermented soy bean cake waste as corn substitution for carcass and abdominal fat of duck layer. Conclusion of this study was fermented waste soy bean cake waste could be used as corn fermentation for feed formulation.

**Key words:** Soybean fermentation, corn substitution, carcass, abdominal fat, broiler.