THE POTENTION OF FERMENTATION RECYCLE FLOUR SOYBEAN FERMENTED CAKE (TEMPE) AS CORN SUBSTITUTION TO PERFORMANCE OF MALE BROILER

Renny Agustin Hardiyanti

Abstract

The aim of this experiment was to know the potention of fermentation recycle flour soybean fermented cake (tempe) as corn substitution to body weight and feed convertion ratio of broiler. This study used 24 samples of male broiler and it was treated by fermentation recycle flour soybean fermented cake (tempe). The samples was classified into four groups and six replications. This research used Completely Randomized Design method. P0 as a control, did not use recycle flour soybean fermented cake (tempe), P1 was used 5%, P2 used 10% and P3 used 15%. The time of this experiment was two weeks. The data obtained were analyzed by variance analysis and the difference between treatments by Duncan's test with five percent significantcy. The result of this research showed that the use of fermentation recycle flour soybean fermented cake (tempe) as corn substitution to body weight and feed convertion ratio of broiler was not different significantly with control. The conclution of this research was recycle flour soybean fermented cake (tempe) could use as substitution of corn on maximal percentage (15 %) mixed broiler feed.

Key word : soybean fermentation, corn substitution, performance, body weight, feed convertion ratio, broiler.