

Effectiveness of Adding Fermented Herbal Extracts of Imperata and Imperata Cylindrica and Cyperus Rotundus L. roots to the Efficiency of Broiler Chicken Feed

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ABSTRACT

This study aims to determine the effectiveness of adding fermentation of herbal extracts of alang-alang roots and nut grass roots to feed consumption, body weight gain, and broiler chicken feed conversion. This study used a Completely Randomized Design (CRD) with 5 treatments and 4 replications namely P1 (control), P2 (3 ml / ℓ water), P3 (6 ml / ℓ water), P4 (9 ml / ℓ water) and P5 (12 ml / ℓ water). The parameters observed in this study were feed consumption, body weight gain, and feed conversion. This research uses Analysis of Variance (ANOVA). The results showed that the administration of herbal extract fermentation at a dose of 3 ml, 6 ml, 9 ml and 12 ml significantly ($P < 0.05$) on body weight gain and feed conversion, while no significant effect on feed consumption. The fermentation of herbal extracts has a positive effect on body weight gain and broiler feed conversion. Fermentation of herbal extract at a dose of 9 ml results in better feed conversion at P4.

Key words : *herbal extracts, feed consumption, feed conversion, broilers*