

THE EFFECT OF ADDITION OF LEAVES OF LEMON LEVELS (*Cymbopogon nardus l*) IN DRINKING WATER ON BIOMETRICS OF DIGESTIVE ORGANS AND PRODUCTIVITY OF BROILER

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ABSTRACT

*Lemongrass leaves are a natural additive that can be used as an antibiotic. Giving additive ingredients to broiler chickens can improve the immune system in livestock. This study aims to determine the effect of adding citronella leaves (*Cymbopogon Nardus L*) in drinking water to the biometry of digestive organs and productivity of broiler chickens. The experimental design used was Completely Randomized Design (CRD) and Analysis of Variance (ANOVA) test. Using 200 broiler chickens. Substitution for adding lemongrass leaves to each treatment had different concentrations, P0 (giving drinking water without ingredients), P1 (giving lemongrass leaves 20 ml/liter of drinking water), P2 (giving lemongrass leaves 30 ml/liter of drinking water), P3 (Provision of lemongrass leaves 40 ml/liter of drinking water). Parameters observed were feed consumption, body weight gain, feed conversion, and digestive organ biometry. The results showed that the addition of citronella leaves (*Cymbopogon nardus l*) in drinking water had a significant effect ($P < 0,05$) for feed conversion and no significant effect ($P > 0.05$) on digestive organ biometry, feed consumption and body weight gain in broiler chickens.*

Keywords : Broiler Chicken, Lemongrass Leaves, Biometrics of Digestive Organs, Productivity