

PEMBERIAN HERBAL JAHE (*Zingiber officinale*), KUNYIT (*Curcuma domestica VAL.*), DAN TEMULAWAK (*Curcuma xanthorrhiza ROXB*) PADA AIR MINUM TERHADAP PRODUKTIVITAS BROILER STRAIN LOHMAN

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RINGKASAN

Penelitian bertujuan untuk menganalisis produktivitas broiler yang diberikan herbal Jahe (*Zingiber officinale*), Kunyit (*Curcuma domestica VAL.*), dan Temulawak (*Curcuma xanthorrhiza ROXB*) pada air minum terhadap produktivitas broiler strain Lohman dengan dosis berbeda. Penelitian dilaksanakan selama 29 hari di *Teaching Farm Close House* Politeknik Negeri Lampung. Penelitian ini menggunakan Rancangan Acak Lengkap (RAL) terdiri atas 4 perlakuan dan 5 ulangan, dengan perlakuan P0 = sebagai kontrol, P1 = herbal jahe, kunyit, temulawak 100 mg/kg bobot tubuh, P2 = herbal jahe, kunyit, temulawak 200 mg/kg bobot tubuh, P3 = herbal jahe, kunyit, temulawak 300 mg/kg bobot tubuh. Pemberian herbal dimulai pada hari ke-9 sampai hari ke-28 dengan parameter yang diamati terdiri atas konsumsi pakan, penambahan bobot tubuh, dan *Feed Conversion Ratio* (FCR). Data yang diperoleh dihitung menggunakan analisis ragam dan uji Duncan menggunakan SPSS 25. Hasil menunjukkan pemberian herbal mampu meningkatkan penambahan bobot tubuh tetapi tidak berpengaruh terhadap konsumsi pakan dan konversi pakan.

Kata kunci : broiler, herbal, produktivitas.

APPLICATION OF HERBAL GINGER (*Zingiber officinale*), TURMINA (*Curcuma domestica* VAL.), AND CURCUMA (*Curcuma xanthorrhiza* ROXB) IN DRINKING WATER ON THE PRODUCTIVITY OF THE LOHMAN BROILER STRAIN

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ABSTRACT

This study aimed to analyze the productivity of broilers given herbs of ginger (*Zingiber officinale*), Turmeric (*Curcuma domestica* VAL.), and Curcuma (*Curcuma xanthorrhiza* ROXB) in drinking water on the productivity of Lohman strain broilers with different doses. The research was conducted for 29 days at the Teaching Farm Close House of the Lampung State Polytechnic. This study used a Completely Randomized Design (CRD) consisting of 4 treatments and 5 replications, with treatment P0 = as a control without giving herbs, P1 = ginger herbs, turmeric, curcuma 100 mg/kg body weight, P2 = ginger herbs, turmeric, curcuma 200 mg/kg body weight, P3 = ginger, turmeric, and curcuma herbs 300 mg/kg body weight. The application of herbs was started on the 9th day until the 28th day with the observed parameters consisting of feed consumption, body weight gain, and Feed Conversion Ratio (FCR). The data obtained were calculated using analysis of variance and Duncan's multiple test using SPSS 25. The results showed that the application of herbs was increased body weight gain but had no effect on feed consumption and feed conversion.

Keywords : broiler, herbs, productivity.