

PENGARUH TEPUNG BELALANG (*Locusta sp.*) DALAM RANSUM TERHADAP PERFORMAN AYAM BROILER.

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INTISARI

Penelitian ini bertujuan untuk mengetahui pengaruh penggunaan tepung belalang (*Locusta sp.*) dalam ransum terhadap performan ayam broiler. Seratus enam puluh ekor ayam broiler strain Lohmann yang berumur dua minggu yang dibagi secara acak ke dalam lima itiacam perlakuan pakan. Masing-masing perlakucin terdiri dari empat ulangan dan masing-masing ulangan terdiri dari delapan ekor ayam broiler. Kelima perlakuan pakan tersebut adalah R0, R1, R2, R3 dan R4 menggunakan 0; 2,5; 5; 7,5 dan 10% tepung belalang. Pakan dan air minum diberikan secara *ad libitum*. Variabel yang diamati adalah konsumsi pakan, pertambahan berat badan dan konversi pakan. Data yang diperoleh dianalisis dengan rancangan acak lengkap pola searah dan apabila terdapat perbedaan yang nyata dilanjutkan dengan Uji *Duncan's Multiple Range Test* (DMRT). Hasil analisis variansi menunjukkan bahwa konsumsi pakan, pertambahan berat badan dan konversi pakan berbeda secara nyata ($P < 0,05$). Rata-rata konsumsi pakan 2394,92; 2358,14; 1933,50; 2028,73; 1487,64 g/broiler, konversi pakan 1,98; 2,13; 2,11; 2,73; 2,47, pertambahan berat badan 1205; 1105; 920; 742,5; 600 g/broiler untuk R0, R1, R2, R3 dan R4 secara berturut-turut. Dari hasil penelitian dapat disimpulkan bahwa tepung belalang dalam ransum tidak dapat digunakan lebih dari 2,5%.

Kata kunci : Broiler, Tepung belalang, Performan

THE EFFECT OF GRASSHOPPER MEAL IN THE DIET ON BROILER'S PERFORMANCE

ABSTRACT

This experiment was conducted to investigate the effect of grasshopper meal in the diet on broiler performance. One hundred and sixty female broilers Lohmann strain two weeks of age were divided randomly into five dietary treatments. Each treatment consisted of four replications and each of them consisted of eight broilers. These five treatments were R0, R1, R2, R3 and R4 used 0; 2.5; 5; 7.5 and 10% grasshopper meal. The feed and water were given in *ad libitum*. The observed variables were feed consumption, weight gain and feed conversion ratio. The obtained data were analysed using analysis one way completely random design and if there was significant differences it was continued by Duncan's Multiple Range Test (DMRT). The variance of analysed result showed that feed consumption, weight gain and feed conversion ratio had significant differences ($P < 0.05$). The average of feed consumption were 2394.92; 2358.14; 1933.50; 2028.73 and 1487.64 g/broiler, feed conversion ratio were 1.98; 2.13; 2.11; 2.73 and 2.47, weight gain were 1205.0; 1105.0; 920.0; 742.5; 600.0 g/broiler for R0, R1, R2, R3 and R4 respectively. It can be concluded that grasshopper meal in the diet could not be more than 2.5%.

Key word : Broiler, Grasshopper meal, Performance