

PENGARUH PENAMBAHAN TEPUNG DAUN KENIKIR (*Cosmos caudatus*) DALAM PAKAN TERHADAP KINERJA PRODUKSI DAN PROFIL ORGAN DALAM AYAM BROILER

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INTISARI

Penelitian ini bertujuan untuk mengetahui pengaruh tingkat pemberian tepung daun kenikir (*Cosmos caudatus*) terhadap kinerja produksi dan profil organ dalam ayam broiler. Penelitian ini menggunakan 256 ekor ayam dengan 4 perlakuan yaitu penambahan tepung daun kenikir 0,0 0,5, 1,0, dan 1,5% dalam pakan. Setiap perlakuan terdiri dari 8 ulangan dan setiap ulangan terdiri dari 8 ekor ayam. Pakan perlakuan diberikan pada umur 8 sampai 28 hari. Pengambilan data konsumsi pakan dan pertambahan bobot badan dilakukan minggu pertama dan minggu ke empat pemeliharaan. Pengambilan data organ dalam dilakukan pada minggu ke empat pemeliharaan. Data yang diperoleh dianalisis menggunakan analisis variansi pola searah dan jika ada perbedaan rerata perlakuan diuji dengan Duncan's New Multiple Range Test. Hasil penelitian menunjukkan bahwa penggunaan tepung daun kenikir tidak mempengaruhi konsumsi pakan, deplesi, dan persentase bobot organ dalam meliputi usus halus, hati, jantung, dan pankreas, namun penambahan level tepung daun kenikir 0,5, 1,0, dan 1,5% meningkatkan pertambahan bobot badan ($P < 0,05$) dan indeks performan ($P < 0,05$), serta menurunkan konversi pakan ($P < 0,05$). Hasil penelitian menunjukkan bahwa pemberian 0,5% tepung daun kenikir dalam pakan meningkatkan kinerja produksi ayam broiler.

Kata kunci: Ayam broiler, Kinerja produksi, Profil organ dalam, Tepung daun kenikir

THE EFFECT OF AN ADDITION KENIKIR LEAVES MEAL (*Cosmos caudatus*) IN DIET TOWARDS PRODUCTION PERFORMANCE AND ORGAN PROFILE OF BROILER CHICKEN

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ABSTRACT

The objective of this study was to determine the effect of kenikir leaves meal (*Cosmos caudatus*) in different concentration towards production performance and organ profile in broiler chickens. This study used 256 chickens which divided in 4 groups, each group treated with different concentration of kenikir leaf meal 0,0, 0,5, 1,0, and 1,5% in the feed. Each treatment consisted of 8 replications and each replication consisted of 8 chickens. The feed was given at 8 until 28 days. Data was collected from feed consumption and body weight gain in the first week and fourth week, while for data of internal organ was collected in the fourth week. Data were analyzed using unidirectional pattern variance analysis and difference in the mean treatment was tested with Duncan's New Multiple Range Test. The results showed that kenikir leaves meal did not affect feed consumption, depletion, and the percentage of internal organ weight including the small intestine, liver, heart, and pancreas. However, the addition of kenikir leaves meal with concentration of 0,5, 1,0, and 1,5% increased the body weight gain ($P<0,05$) and performance index ($P<0,05$), and reduced feed conversion ($P<0,05$). Furthermore, 0,5% kenikir leaves meal dietary supplementation improved production performance of broiler chickens.

Keywords: Broiler chickens, Internal organ profile, Kenikir leaves meal, Production performance