

RINGKASAN

Penelitian dengan judul “Pengaruh Umur Pemeliharaan Terhadap Konversi Pakan (FCR) dan Indeks Performans (IP) Ayam Broiler telah dilaksanakan pada tanggal 24 Januari sampai 27 Februari 2023 di Desa Limpakuwus RT 03/02, Kecamatan Sumbang, Kabupaten Banyumas, Jawa Tengah. Tujuan penelitian ini untuk mengetahui pengaruh umur pemeliharaan terhadap Konversi Pakan (FCR) dan Indeks Performans (IP) ayam broiler. Penelitian ini menggunakan 100 ekor doc ayam broiler yang dipelihara selama 35 hari. Rancangan percobaan yang digunakan adalah Rancangan Acak Lengkap (RAL) Pola Searah dengan empat macam perlakuan yaitu P1 (Pemeliharaan ayam broiler sampai dengan umur 26 hari), P2 (Pemeliharaan ayam broiler sampai dengan umur 29 hari), P3 (Pemeliharaan ayam broiler sampai dengan umur 32 hari), P4 (Pemeliharaan ayam broiler sampai dengan umur 35 hari). Setiap perlakuan terdiri dari lima ulangan. Parameter yang diamati meliputi Konversi Pakan (FCR) dan Indeks Performans (IP). Hasil penelitian menunjukkan rataam Konversi Pakan yang mendapat perlakuan P1, P2, P3, dan P4 berturut – turut sebesar 1,826; 1,922; 2,142; 2,251. Rataan Indeks Performans yang mendapat perlakuan P1, P2, P3, dan P4 berturut – turut sebesar 224,85; 224,70; 195,95; 188,35. Konversi pakan yang paling baik dan indeks performans tertinggi diperoleh pada pemeliharaan ayam broiler sampai dengan umur 26 (P1).

Kata kunci : Ayam Broiler, konversi pakan, dan indeks performans

SUMMARY

The research with the title "The Effect of Maintenance Age on Feed Conversion (FCR) and Performance Index (IP) of Broiler Chickens was carried out on January 24 to February 27, 2023 in Limpakuwus Village RT 03/02, Sumbang District, Banyumas Regency, Central Java. The purpose of this study was to determine the effect of maintenance age on feed conversion (FCR) and performance index (IP) of broiler chickens. This study used 100 broiler chickens raised for 35 days. The experimental design used was a Complete Randomized Design (RAL) in a Unidirectional Pattern with four types of treatments, namely P1 (Maintenance of broiler chickens up to 26 days old), P2 (Maintenance of broiler chickens up to 29 days old), P3 (Maintenance of broiler chickens up to 32 days old), P4 (Maintenance of broiler chickens up to 35 days of age). Each treatment consists of five tests. Observed parameters include Feed Conversion (FCR) and Performance Index (IP). The results showed that the average feed conversion that received P1, P2, P3, and P4 treatment was successively 1,826; 1,922; 2,142; 2,251. The average Performance Index that received P1, P2, P3, and P4 treatment was successively 224,85; 224,70; 195,95; 188,35. The best feed conversion and the highest performance index are obtained in the maintenance of broiler chickens up to the age of 26 (P1).

Keywords : Broiler Chicken, feed conversion, and performance index