

PERFORMA PRODUKSI AYAM STRAIN ISA BROWN FASE LAYER UMUR 80 MINGGU DI PETERNAKAN DINAS KETAHANAN PANGAN DAN PERTANIAN (DKPP) KOTA SURABAYA

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INTISARI

Ayam layer merupakan komoditas unggas yang berperan penting dalam penyediaan protein hewani berupa telur. Salah satu strain ayam layer komersial dan banyak dikembangkan di berbagai negara termasuk Indonesia adalah Isa Brown. Produksi telur pada ayam layer akan menurun seiring bertambahnya umur, sehingga diperlukan evaluasi terhadap performa produksi pada fase akhir pemeliharaan. Penyusunan Tugas Akhir ini dilakukan untuk mengetahui performa produksi ayam layer strain Isa Brown umur 80 minggu dengan populasi 216 ekor di peternakan Dinas Ketahanan Pangan dan Pertanian (DKPP) Kota Surabaya. Pengambilan data dilakukan dengan cara observasi secara langsung di DKPP Kota Surabaya dan dianalisis secara deskriptif kuantitatif. Parameter yang diamati meliputi data lingkungan (suhu, kelembapan) dan performa ayam dalam hal *feed conversion ratio* (FCR), *hen day production* (HDP), dan mortalitas. Hasil analisis data menunjukkan bahwa kondisi lingkungan berupa suhu dan kelembapan memiliki rata-rata sebesar 32,88°C dan 72,56%. Kondisi tersebut melebihi batas kenyamanan ayam layer. Rata-rata nilai performa produksi ayam layer menunjukkan FCR sebesar 2,87, HDP 58,45%, dan mortalitas 0,46%. Berdasarkan hasil tersebut, disimpulkan bahwa performa produksi ayam layer pada umur 80 minggu menurun, namun tingkat mortalitas yang rendah mencerminkan manajemen pemeliharaan yang cukup baik.

Kata kunci: Ayam layer, Isa Brown, Performa produksi

PRODUCTION PERFORMANCE OF 80 WEEK OLD LAYER PHASE ISA BROWN STRAIN CHICKENS AT DINAS KETAHANAN PANGAN DAN PERTANIAN (DKPP) FARM SURABAYA

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ABSTRACT

Layer chicken is a poultry commodity that plays an important role in providing animal protein in the form of eggs. One of the commercial layer chicken strains and widely developed in various countries including Indonesia is Isa Brown. Egg production in layer chickens will decrease with age, so it is necessary to evaluate production performance in the final phase of maintenance. The preparation of this final project was carried out to determine the production performance of 80 week old Isa Brown strain layer chickens with a population of 216 chickens at the Dinas Ketahanan Pangan dan Pertanian (DKPP) Farm Surabaya. Data were collected by direct observation at DKPP Farm Surabaya and analyzed descriptively quantitatively. Parameters observed included environmental data (temperature, humidity) and chicken performance in terms of *feed conversion ratio* (FCR), *hen day production* (HDP), and mortality. The results of data analysis showed that environmental conditions in the form of temperature and humidity had an average of 32.88°C and 72.56%. These conditions exceeded the comfort limit of layer chickens. The average production performance value of layer chickens showed FCR of 2.87, HDP of 58.45%, and mortality of 0.46%. Based on these results, it was concluded that the production performance of layer chickens at 80 weeks of age decreased, but the low mortality rate reflected good rearing management.

Keywords: Layer chicken, Isa Brown, Production performance