

Respon Fisiologis Dan Karakteristik Karkas Serta Non Karkas Ayam Kampung Super Berdasarkan Warna Bulu Dan Jenis Lantai Kandang Pemeliharaan

Muhammad Rifqi Fadhiila*, Elly Tugiyanti, dan Rosidi

Fakultas Peternakan Universitas Jenderal Soedirman, Purwokerto

Jl. Dr. Soeparno No. 60 Karangwangkal Kec. Purwokerto Utara, Kabupaten Banyumas,
Jawa Tengah 53122

*fadhiilamuhammadrifqi@gmail.com

ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh interaksi antara warna bulu ayam kampung super dengan jenis lantai kandang yang berbeda. Materi percobaan yang digunakan DOC Ayam Kampung Super. Pemeliharaan dilakukan selama 75 Hari yang dibagi kedalam 2 masa yaitu masa *brooding* selama 14 hari dan masa perlakuan selama 61 hari. Pemberian pakan pada pagi dan sore hari serta air minum secara *ad libitum*. Penelitian ini menggunakan rancangan acak lengkap pola faktorial 5x2 dengan 10 perlakuan yaitu 5 Variasi warna bulu (W) (Hitam, Putih, Coklat, Hitam Putih dan Coklat Putih) yang dipelihara di 2 lantai kandang (L) (Lantai *Litter* dan Lantai *Slat*) masing-masing kandang berisikan 3 ekor ayam, terdapat 10 perlakuan, masing-masing perlakuan diulang 4 kali sehingga terdapat 40 unit percobaan sehingga DOC yang digunakan sebanyak 120 ekor. Variabel penelitian yang diukur dan diamati terdiri dari respon fisiologis (suhu rektal, frekuensi denyut jantung, frekuensi pernafasan, kadar hb dan rasio H/L), Bobot dan Persentase Karkas, Bobot dan Persentase Non Karkas, dan Bobot dan Persentase Lemak Abdomen. Hasil penelitian menunjukkan bahwa terdapat tidak terdapat interaksi antara warna bulu dengan jenis lantai kandang terhadap semua variabel. Variasi warna bulu dan jenis lantai kandang berpengaruh tidak nyata ($P>0,05$) terhadap semua variabel penelitian. Kesimpulan pada penelitian adalah Interaksi warna bulu dan jenis lantai kandang belum mampu meningkatkan produksi karkas dan memiliki kondisi respon fisiologi yang baik, Namun warna bulu hitam menghasilkan produksi karkas serta respon fisiologis yang relative sama, Semua ayam dapat dipelihara pada lantai litter dan slat tanpa mempengaruhi performannya.

Kata Kunci : Ayam kampung super, Warna bulu, Lantai kandang, Respon fisiologis, Performan

Physiological Responses And Carcass, Non-Carcass Characteristics Of Kampung Super Chicken Based On Plumage Color And Floor Type Cages

Muhammad Rifqi Fadhiila*, Elly Tugiyanti, dan Rosidi

Fakultas Peternakan Universitas Jenderal Soedirman, Purwokerto

Jl. Dr. Soeparno No. 60 Karangwangkal Kec. Purwokerto Utara, Kabupaten Banyumas,
Jawa Tengah 53122

*fadhiilamuhammadrifqi@gmail.com

ABSTRACT

The purpose of this research was to determine the effect of the interaction between the color of super-village chicken feathers and different types of cage floors. The experimental material used was DOC Super Kampung Chicken. Maintenance was carried out for 75 days which was divided into 2 periods, namely the brooding period for 14 days and the treatment period for 61 days. Provision of drinking water ad libitum. This study used a 5x2 factorial complete randomized design with 10 treatments, namely 5 variations of plumage color (W) (Black, White, Brown, Black and White and Brown White) which were reared on 2 floors of cages (L) (*Litter* Floor and *Slat* Floor) respectively -Each cage contained 3 chickens, there were 10 treatments, each treatment was repeated 4 times so that there were 40 experimental units so that 120 DOC were used. The research variables that were measured and observed consisted of physiological response (rectal temperature, heart rate, respiratory rate, Hb level and H/L ratio), Carcass Weight and Percentage, Non Carcass Weight and Percentage, and Abdominal Weight and Fat Percentage. The results showed that there was no interaction between coat color and the type of cage floor for all variables. Variations in plumage color and floor type had no significant effect ($P>0.05$) on all study variables. The conclusion of this study is that the interaction between plumage color and floor type has not been able to increase carcass production and has good physiological response conditions.

Keywords : Kampung Super Chicken, Feathers Colors, Cage Floors, Physiological

Response, Performance