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**Analisis Performa Ayam Broiler yang Dipelihara Di Lantai Atas dan Lantai Bawah Kandang Double Deck
dengan Sistem Closed House**
Mira Rahma Damayanti, drh. Bambang Ariyadi, M.P., Ph.D.
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ANALISIS PERFORMA AYAM BROILER YANG DIPELIHARA DI LANTAI ATAS DAN LANTAI BAWAH KANDANG *DOUBLE DECK* DENGAN SISTEM *CLOSED HOUSE*

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INTISARI

Tujuan penelitian ini adalah untuk membandingkan performa ayam broiler yang dipelihara di lantai atas dan lantai bawah kandang *double deck* dengan sistem *closed house* di Hidayat Farm Klaten, Jawa Tengah. Sebanyak 1000 ekor ayam broiler strain *cobb* dipelihara di kandang bertingkat yang memuat 500 ekor ayam pada setiap lantai. Perlakuan yang sama diberikan kepada kedua kelompok, baik dari segi pakan, air minum, maupun kondisi serta posisi di dalam kandang. Pakan yang digunakan adalah pakan komersial yang diberikan setiap sore hari, pemberian pakan dan minum dilakukan secara *ad libitum.* Perlakuan yang sama juga diberikan pada saat penambahan sekam dan pemberian vitamin serta premix melalui air minum. Model kandang yang digunakan dalam penelitian ini adalah *closed house* dua lantai. Pengambilan data dilakukan seminggu sekali. Data kuantitatif yang diambil berupa konsumsi pakan, bobot badan, konversi pakan, mortalitas, dan indeks performa. Data yang diperoleh dianalisis menggunakan analisis deskriptif kuantitatif. Hasil penelitian mengindikasikan bahwa sistem kandang *double deck* dengan sistem *closed house* berpotensi digunakan untuk meningkatkan kapasitas pemeliharaan dengan tetap mempertahankan performa produksi yang relatif baik.

Kata kunci: Ayam Broiler, Performa, Kandang *Closed House,* Kandang *Double Deck.*

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PERFORMANCE ANALYSIS OF BROILER CHICKENS RAISED ON THE UPPER AND LOWER DECKS OF A DOUBLE DECK CAGE WITH A CLOSED HOUSE SYSTEM

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ABSTRACT

The purpose of this study was to compare the performance of broiler chickens raised on the upper and lower levels of a double-deck house in a closed-house system at Hidayat Farm in Klaten, Central Java. A total of 1,000 Cobb strain broiler chickens were raised in a multi-level house holding 500 chickens on each floor. Both groups received the same treatment in terms of feed, drinking water, and conditions and positioning within the house. Commercial feed was provided every afternoon, with feed and water administered ad libitum. The same treatment was also applied regarding the addition of husks and the supplementation of vitamins and premixes through drinking water. The housing model used in this study was a closed house with two floors. Data collection was conducted once a week. The quantitative data collected included feed intake, body weight, feed conversion ratio, mortality, and performance index. The data obtained were analyzed using quantitative descriptive analysis. The research findings indicate that a double-deck housing system combined with a closed-house system has the potential to increase rearing capacity while maintaining relatively good production performance.

Keywords: Broiler Chicken, Performance, Closed House, Double Deck System