

**STUDI PERBANDINGAN KINERJA AYAM BROILER PADA KANDANG
TERBUKA (*OPEN HOUSE*) DAN TERTUTUP (*CLOSED HOUSE*)
DI DAERAH ISTIMEWA YOGYAKARTA**

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INTISARI*

Penelitian ini bertujuan untuk membandingkan kinerja produksi ayam broiler pada kandang *open house* dan *closed house* di Daerah Istimewa Yogyakarta. Penelitian ini dilakukan pada tanggal 14–28 September 2020. Materi penelitian yang digunakan adalah peternak ayam broiler strain MB 202 pada kandang *open house* dan *closed house*. Alat yang digunakan adalah kuisioner, alat tulis serta kamera untuk dokumentasi. Metode yang digunakan dalam penentuan sampel peternak pada kandang *open house* adalah metode *purposive sampling*, sedangkan peternak pada kandang *closed house* adalah metode sensus. Variabel yang diamati antara lain : umur panen, rata-rata bobot panen, pertambahan bobot badan, FCR, tingkat deplesi, daya hidup serta indeks performan. Data primer pada penelitian ini dianalisis menggunakan *paired t-test*, sedangkan data sekunder dianalisis secara deskriptif. Hasil penelitian menunjukkan rerata umur panen pada kandang *closed house* dan *open house* berturut-turut adalah 34 dan 35 hari dengan rerata bobot panen 2,03 dan 2,07 kg. Rerata pertambahan bobot badan pada kandang *closed house* dan *open house* berturut-turut adalah 1,99 dan 2,04 kg dengan rerata bobot DOC 41 gram. Rerata nilai FCR pada kandang *closed house* dan *open house* berturut-turut adalah 1,55 dan 1,62 dengan tingkat deplesi 3,00 dan 4,00%. Rerata nilai indeks performan pada kandang *closed house* dan *open house* berturut-turut adalah 372,57 dan 353,25. Berdasarkan hasil analisis *paired t-test* pada semua variabel kinerja produksi antara kedua kandang menunjukkan bahwa kinerja produksi antara kedua kandang berbeda secara signifikan. Disimpulkan bahwa kinerja ayam broiler pada kandang *closed house* lebih baik dibandingkan dengan kandang *open house*.

(Kata kunci : Ayam broiler, indeks performan, kandang *open house*, kandang *closed house*, kinerja produksi)

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COMPARATIVE STUDY OF BROILER PERFORMANCE IN OPEN AND CLOSED HOUSING AT DAERAH ISTIMEWA YOGYAKARTA

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ABSTRACT*

This study aims to compare the performance of broiler in open and closed house at Daerah Istimewa Yogyakarta. The research was conducted on September 14-28st 2020. The material used in this study are broiler farmers strain MB 202 in open and closed house. The tool used are questionnaire, stationery and camera for documentation. The method used to determining the sample of broiler farmers in open house is a survey with purposive sampling method, while broiler farmers in closed house is a census method. Observation variables are the age of harvest, average body weight, gain, feed conversion ratio, depletion, live ability and index performance. Pimary data in this study were analyzed using *paired t-test*, while secondary data were analyzed descriptively. The results showed each of average harvesting age in closed house and open house are 34 and 35 days with average body weight are 2,03 and 2,07 kg. Each of the average gain in closed house and open house are 1,99 and 2,04 kg with average DOC weight are 41 gram. Each of the average FCR in closed house and open house are 1,55 and 1,62 with depletion 3,00 and 4,00%. Each of the average index performance in closed house and open house are 372,57 and 353,25. Besed on the results of the paired t-test analyzed on performance variables between two housing showed performance of closed house and open house are significantly. It can be concluded the performance of closed house better than open house.

(Keyword : broiler, index performance, open house, closed house, production performance)

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