

**STUDI PERBANDINGAN KINERJA AYAM BROILER PADA KANDANG
CLOSED HOUSE DAN OPENED HOUSE POLA KEMITRAAN DI
WILAYAH JAWA TIMUR**

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INTISARI*)

Penelitian ini bertujuan untuk mengetahui perbandingan kinerja ayam broiler yang dipelihara pada kandang tertutup (*closed house*) dan kandang terbuka (*opened house*) pola kemitraan di wilayah Jawa Timur. Metode yang digunakan dalam penelitian ini adalah *Stratified Random Sampling*, yakni pengambilan sampel informasi dan 30 peternak. Variabel uji yang dilakukan adalah *Index Performance*, *Feed Conversion Ratio* (FCR), tingkat deplesi dan mortalitas, serta pertambahan bobot badan mingguan. Hasil uji T-test untuk berat DOC didapatkan ($P > 0,05$) dengan rerata pada *closed house* 41,3 gram dan pada *opened house* 40,9 gram. Untuk kepadatan kandang didapatkan ($P < 0,05$) dengan rerata pada *closed house* 14,1 ekor/m² dan pada *opened house* 8,6 ekor/m². Hasil t-test untuk variabel deplesi dan mortalitas adalah berbeda tidak nyata ($P > 0,05$) dengan rerata deplesi pada kandang *closed house* 3,30% dan pada kandang *opened house* 3,67%, sedangkan rerata mortalitas pada kandang *closed house* 639,2 dan pada kandang *opened house* 220,1. T-test pada variabel feed conversion ratio adalah berbeda nyata ($P < 0,05$) dengan rerata feed conversion ratio pada *closed house* 1,56 dan pada *opened house* 1,64. Untuk hasil *t-test* pada variabel pertambahan bobot badan mingguan adalah berbeda tidak nyata ($P > 0,05$) dengan rerata pada *closed house* 48,09 gram per-minggu dan pada *opened house* 45 gram per-minggu Hasil uji t-test pada variabel *index performance* adalah berbeda nyata ($P < 0,05$) dengan rerata *index performance* pada *closed house* 313,9 dan pada *opened house* 276,5. Dapat disimpulkan kinerja ayam broiler pada kandang *closed house* lebih baik daripada kandang *opened house*.

Kata kunci : Ayam broiler, kemitraan, kinerja, *closed house*, *opened house*

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COMPARISON STUDY OF BROILER CHICKEN PERFORMANCE IN
CLOSED HOUSE AND OPENED HOUSE AT PARTNERSHIP PATTERN IN
JAWA TIMUR REGION

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ABSTRACT*)

This study aims to compare the performance of broiler chickens kept in closed house and opened houses at partnership patterns in Jawa Timur Region. The method used in this research is Stratified Random Sampling, namely sampling information from 30 farmers. The test variables were Index Performance, Feed Conversion Ratio (FCR), depletion and mortality rates, and weekly body weight gain. The results of the T-test for DOC weight were obtained ($P>0.05$) with an average of 41.3 grams at the closed house and 40.9 grams at the opened house. The density of cages was obtained ($P<0.05$) with an average of 14.1 chickens/m² in the closed house and 8.6 chickens/m² in the opened house. The results of the t-test for the variables of depletion and mortality were not significantly different ($P>0.05$) with the mean depletion in the closed house house 3.30% and in the opened house house 3.67%, while the mean mortality in the closed house house was 639, 2 and in the opened house cage 220.1. The t-test on the feed conversion ratio variable was significantly different ($P<0.05$) with the mean feed conversion ratio at 1.56 at the closed house and 1.64 at the opened house. The results of the t-test on the weekly body weight gain variable were not significantly different ($P>0.05$) with the mean at the closed house being 48.09 grams per week and at the opened house being 45 grams per week. The results of the t-test on the variable the index performance was significantly different ($P<0.05$) with the average performance index at the closed house was 313.9 and at the opened house was 276.5. It can be concluded that the performance of broiler chickens in a closed house is better than an opened house.

Keywords : broiler chicken, partnership, performance, *closed house*, *opened house*

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