

Evaluation Performance Broiler in Brooding Period at Closed House and Open House

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INTRODUCTION

Broiler maintenance period can be divided into two periods of starter and finisher (Muwarni 2010). Phase starter occurs in the first two weeks which is a critical period of broiler, the brooding period, the most decisive period, to the growth of the next period (Zumrotun 2012). House is an important part of broiler maintenance. There are two types of enclosure is closed house and open house. Closed house suitable for use in areas with temperatures above 35 °C (Trisanto 2015).

The purpose of this writing is compare the performance of broiler in brooding between closed house and open house.

MATERIALS AND METHODS

Materials. The tool used is 2 closed house and 2 open house with the number of brooding as much as 4 brooding (1 brooding / cage), 2 thermohygrometer 1 weigh 2 heaters and 12 coal bricks.

Method. Technique of collecting data that is by observation on closed house population 13.072 heads, open house population 8.097 heads. with a total population of 21169 heads

RESULT AND DISCUSSION

Comparison of type of house to Feed consumption. Feed consumption in broiler can be seen in Figure 1.

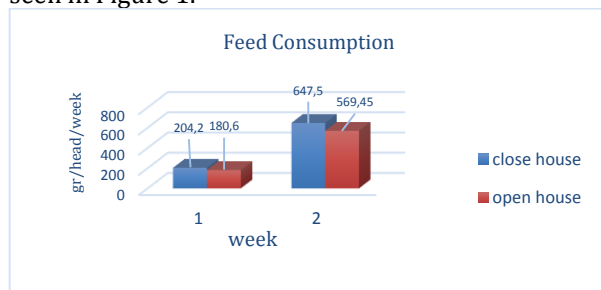


Figure 1. The feed consumption broiler

The average feed consumption of the first week of close house by 204.2 gr/head/week, open house by 180.6 gr/head/week. The feed consumption of the second week's closed house is 647.5 gr/head/week, open house is 569.45 gr/head/week. Based on these data consumption of feed in the first and second week, closed house

enclosure is higher than the feed consumption on open house.

House Type Comparison to Weight Gain. The weight gain of broiler can be seen in Figure 2.



Figure 2. Weight gain of Broiler

Weight gain in the first week at the closed house is 198 gr/head/week is higher than the weight gain in open house is 178 gr/head/ week. The average weight gain in the second week at the closed house is 494 gr/head/week, higher than the average weight gain in open house 464 gr / head / week.

Brooding house Comparison to Feed Conversion. The feed conversion is shown in Figure 3.

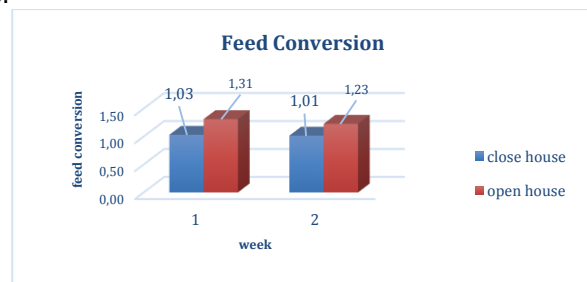


Figure 3. Feed conversion Broiler

The feed conversion of the first week's on the closed house is 1.03, and the open house is 1.31. The feed conversion ratios in the open house is higher than the close house. High feed conversion shows that the feed used for weight gain is less than ideal, because the standard number and average performance of feed conversion on the first week maintenance is 0.90 (PT Japfa Comfeed 2012). Feed Conversion of the second week for the enclosure close house 1.01, open house enclosure 1.23. Feed Conversion on close house is more efficient than

open house. The standard performance of the average feed conversion in the second week was 1.1 (PT Japfa Comfeed 2012).

CONCLUSION

Broiler performance in brooding period that is generated in closed house is higher than open house.

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