

ABSTRACT

THE EFFECT OF LITTER, RICE HULL, WOOD SHAVINGS, STRAW ON BROILER PERFORMANCE AT CLOSED HOUSE

By

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Using various types of litter such as rice hull, wood shavings, straw on keeping the broiler, can affect broiler performance. It happens because every single litter has different power of absorbing the water. Closed house is closed cage that built for making a better environment inside the cage.

The aim of the research was to : (1) Knowing the effect of litter of broiler performance, and (2) Finding the best litter for broiler performance on the closed house.

It was conducted during 26 days since April 14, 2014 to May 10, 2015 at the PT Ramajaya farm's on Krawangsari village, sub District Natar, South Lampung District. The chicken used was broiler strain Cobb with trademark CP 707 product by PT. Chareon Pokphand Indonesia Tbk for 270 chickens. Broiler start to get handling between age of 14 and 26 days.

The research method was experimentally with Completely Randomized Design (CRD) were divided into 3 steps and repeated for 6 times, that is p1: rice hull; p2 : wood shavings; p3 : straw. The data were analyzed with Analysis of Variance and if it shows 5%, then the analysis would be continued to Duncan test.

The result indicated that the treatment is : (1) The effect of litter from rice hull, wood shavings, straw did not have significant effect ($P > 0,05$) on performance (consumption, body weight gain, feed conversion and income over feed cost) broiler at closed house. (2) The effect of various types of litter (rice hull, wood shavings, straw) at closed house having the same effect as consumption, body weight gain, feed conversion and income over feed cost (IOFC) for broiler finisher phase

Key words : broiler, litter, performance, closed house