

**Effect of Differences in Temperature, Humidity and Ammonia Levels in  
Story Cages on *Closed House* Two-Performance Broiler  
Age 1 to 14 Days  
(Case Study at PT Tujuh Impian Indonesia)**

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**ABSTRACT**

This study aims to determine the effect of differences in temperature, humidity and ammonia levels in a cage *closed house* two-story on the performance of broilers aged 1 to 14 days with a case study at PT Tujuh Impian Indonesia. The materials used in this study were 46,000 broilers with Cobb strain, BR0 S00 feed and BR1 S11 feed from PT. Charoen pokphan Indonesia. This study used the T-test method (T-test) with 2 treatments, the first treatment was a cage *closed house* upstairs and the second treatment was a cage *closed house* downstairs with a cage length of 120 meters, a width of 12 meters and a height of 5 meters. Each treatment contained 23,000 broiler broilers. Each treatment contained 4 bulkheads, 100 broilers were sampled for each bulkhead. Parameters observed were feed consumption, body weight, body weight gain, and *Feed Conversion Ratio* (FCR). The results of this study indicate that with a temperature difference of 5.57 °C and humidity of 4.25%, the performance of the lower floor broiler is more improved than the upper floor in week 1, while the lower floor temperature difference is 0.45° higher than the upper floor. C and 0.58% humidity accompanied by high levels of ammonia in the lower floor broiler performance decreased at week 2, with decreased broiler performance increasing broiler mortality.

Keywords: *Closed House*, Ammonia Level, Performance, Temperature