

## **ABSTRACT**

### **Comparison Between Quality External of Isa Brown Strain Egg and Lohmann Brown Strain Egg**

**By  
Fauzan Isnanda Dirgahayu**

Layer was a type of poultry an extremely popular developed by small farmer. Layer maintained by farmers was isa brown and lohmann brown strains. The purpose of this research to compare external quality of eggs (weight, shape index, and egg index) between isa brown and lohmann brown strains.

This research was conducted in April 2015 at Mulawarman Laying Farm, Tegal Sari village, Gadingrejo subdistrict, Pringsewu district. Strains used namely a strain of isa brown ( $P_1$ ) and lohmann brown ( $P_2$ ). The number of egg in this research was 50 eggs for isa brown strain and 50 eggs for lohmann brown strain taken from the enclosure that contains 100 cages. Layer used in this research was 58 weeks. Weight and index egg obtained was analyzed by t student test in level of 5% and class of weight and shape egg by descriptive qualitative test.

The results show weigths and index strains isa brown and lohmann brown was not significant ( $P>0,05$ ). The most clasification of eggs weight in isa brown strain was a extra large class and on lohmann brown was a large class. Lohmann brown Strain have the shape egg better than isa brown.

Keywords: layer, the quality of external eggs, isa brown strain, lohmann brown strain.