

**PERSETUJUAN PEMBIMBING**

**NILAI HERITABILITAS BOBOT TELUR, BOBOT TETAS DAN BOBOT  
BADAN UMUR 1 MINGGU HASIL PERSILANGAN  
AYAM KAMPUNG DAN AYAM LEGHORN  
STRAIN ISA BROWN**

**SKRIPSI**

**SEFTIYANTI MASILI  
NIM : 621 413 038**

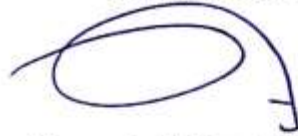
**Telah Diperiksa Dan Disetujui Oleh Komisi Pembimbing**

**Pembimbing I**



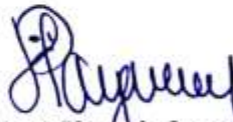
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**LEMBAR PENGESAHAN**

**NILAI HERITABILITAS BOBOT TELUR,  
BOBOT TETAS DAN BOBOT BADAN UMUR 1 MINGGU  
HASIL PERSILANGAN AYAM KAMPUNG DAN AYAM LEGHORN  
STRAIN ISA BROWN**

**SKRIPSI**

**OLEH**

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Telah disidangkan dan dipertahankan didepan dewan penguji

Hari / Tanggal : Rabu, 30 Mei 2018  
Waktu : 11.00 Wita

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## ABSTRAK

**Seftiyanti Masili. 621413038. Nilai Heritabilitas Bobot Telur, Bobot Tetas Dan Bobot Badan Umur 1 Minggu Hasil Persilangan Antara Ayam Kampung Dan Ayam Leghorn Strain Isa Brown. Dibawah Bimbingan Bapak Safriyanto Dako Dan Bapak Suparmin Fathan**

Tujuan pada penelitian ini adalah untuk mengetahui nilai heritabilitas bobot telur, bobot tetas, bobot badan umur 1 minggu hasil persilangan ayam kampung dan ayam leghorn. Hasil penelitian ini menggambarkan nilai heritabilitas bobot telur didalam populasi adalah  $0,53 \pm 0,03$  dan koefisien variasinya adalah 6,16%. Nilai heritabilitas bobot tetas didalam populasi adalah  $0,53 \pm 0,02$  dan koefisien variasinya adalah 4,33%. Sedangkan nilai heritabilitas bobot badan umur 1 minggu didalam populasi adalah  $0,53 \pm 0,02$  dan koefisien variasinya adalah 3,26%. Kesimpulan pada penelitian ini adalah rata-rata bobot telur hasil persilangan ayam kampung dan ayam leghorn strain isa brown adalah  $52,05 \pm 0,92$  dengan koefisien variasinya 0,02. Nilai heritabilitas bobot telur memiliki rata – rata  $0,53 \pm 0,01$  dengan koefisien variasinya 0,02. Rataan bobot tetas hasil persilangan ayam kampung dan ayam leghorn strain isa brown adalah  $39,36 \pm 0,03$  dengan koefisien variasinya 0,001. Nilai heritabilitas bobot tetas memiliki rata – rata  $0,53 \pm 0,01$  dengan koefisien variasinya 0,01. Rataan bobot badan umur 1 minggu hasil persilangan ayam kampung dan ayam leghorn strain isa brown adalah  $67,51 \pm 0,18$  dengan koefisien variasinya 0,003. Nilai heritabilitas bobot badan umur 1 minggu memiliki rata – rata  $0,53 \pm 0,01$  dengan koefisien variasinya 0,02.

**Kata Kunci :** *Heritabilitas, Bobot Telur, Bobot Tetas, Dan Bobot Badan*

## ABSTRACT

**Seftriyanti Masili. 621 413038. Heritability Value of Egg Weight, Hatching Weight and Body Weight of One Week Old Result of Crossbreeding between Native Chicken and Leghorn Strain Isa Brown Chicken. The principal supervisor is Safriyanto Dako, and the co-supervisor is Suparmin Fathan.**

The research aimed to investigate heritability of egg weight, hatching weight and body weight of one-week-old result of crossbreeding between native chicken and leghorn chicken. Its findings revealed that the heritability of egg weight in population was  $0,53 \pm 0,03$  and its variance coefficient was 6,16%. Meanwhile, the heritability value of hatching weight was  $0,53 \pm 0,02$  with its variance coefficient for 4,33%. Lastly, the heritability of body weight of one week old was  $0,53 \pm 0,02$ , and its variance coefficient was 3,26%. In conclusion, the average egg weight result of crossbreeding between native chicken and leghorn strain isa brown chicken was  $52,05 \pm 0,92$  with variance coefficient for 0,02. The average heritability value of egg weight was  $0,53 \pm 0,01$ , and its variance coefficient was 0,02. The average hatching weight result of crossbreeding between native chicken and leghorn strain isa brown chicken was  $39,36 \pm 0,03$  with variance coefficient for 0,001. The average heritability value of hatching weight was  $0,53 \pm 0,01$  with variance coefficient for 0,01. The average body weight of one-week-old result of crossbreeding between native chicken and leghorn strain isa brown chicken was  $67,51 \pm 0,18$  with variance coefficient of 0,003. The average heritability value of body weight of one-week-old was  $0,53 \pm 0,01$  with variance coefficient for 0,02.

**Keywords:** *Heritability, Egg Weight, Hatching Weight, and Body Weight*