

**ESTIMASI NILAI HERITABILITAS BOBOT LAHIR DAN BOBOT SAPIH
KAMBING PERANAKAN ETTAWA DI UNIT PELAKSANA TEKNIS
PEMBIBITAN TERNAK DAN HIJAUAN MAKANAN TERNAK
MALANG, JAWA TIMUR**

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INTISARI

Penelitian ini bertujuan untuk mendapatkan estimasi nilai heritabilitas bobot lahir dan bobot sapih pada Kambing Peranakan Ettawa di Unit Pelaksana Teknis Pembibitan Ternak dan Hijauan Makanan Ternak (UPT PT dan HMT) Malang Jawa Timur. Hasil penelitian diharapkan dapat digunakan sebagai sumber informasi dalam proses seleksi. Penelitian ini dilaksanakan pada Maret 2016 sampai dengan Mei 2016. Data yang diperoleh diseragamkan menggunakan faktor koreksi yaitu jenis kelamin, tipe kelahiran, dan paritas. Estimasi nilai heritabilitas menggunakan data saudara tiri sebakap dengan analisis variansi rancangan acak lengkap pola searah. Hasil estimasi nilai heritabilitas bobot lahir dan bobot sapih sebesar $0,21 \pm 0,15$ dan $0,39 \pm 0,20$. Estimasi nilai heritabilitas bobot lahir dan bobot sapih pada Kambing Peranakan Ettawa UPT PT dan HMT Malang Jawa Timur tergolong sedang dan tinggi, sehingga dapat digunakan sebagai kriteria seleksi.

(Kata kunci: Heritabilitas, Kambing Peranakan Ettawa, Bobot lahir, Bobot sapih).

HERITABILITY ESTIMATION OF BIRTH AND WEANING WEIGHT OF ETTAWA CROSSBREED GOAT IN UPT CATTLE BREEDING AND FORAGE MALANG, EAST JAVA

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ABSTRACT

This research aims to get estimation of birth and weaning weight heritability values of Ettawa crossbreed goat at UPT and HMT Malang, East Java. The results were expected that it could be used as information source in selection process. This research was held in March to May 2016. The obtained data were equated by correction factors that were sex type, birth type, and parity. The result of birth and weaning heritability estimation using paternal halfsib correlation with variance analysis using completely randomized one-way classification was $0,21\pm 0,15$ and $0,39\pm 0,20$. Based on both values, the research showed that the estimation of birth and weaning weight heritabilities of Ettawa crossbreed goat at UPT and HMT Malang were medium and high, respectively. Based on its high and medium heritabilities values of Ettawa crossbreed goat in UPT and HMT Malang could be used for selection criteria.

(Keywords: Heritability, Ettawa Crossbreed Goat, Birth Weight, Weaning Weight).