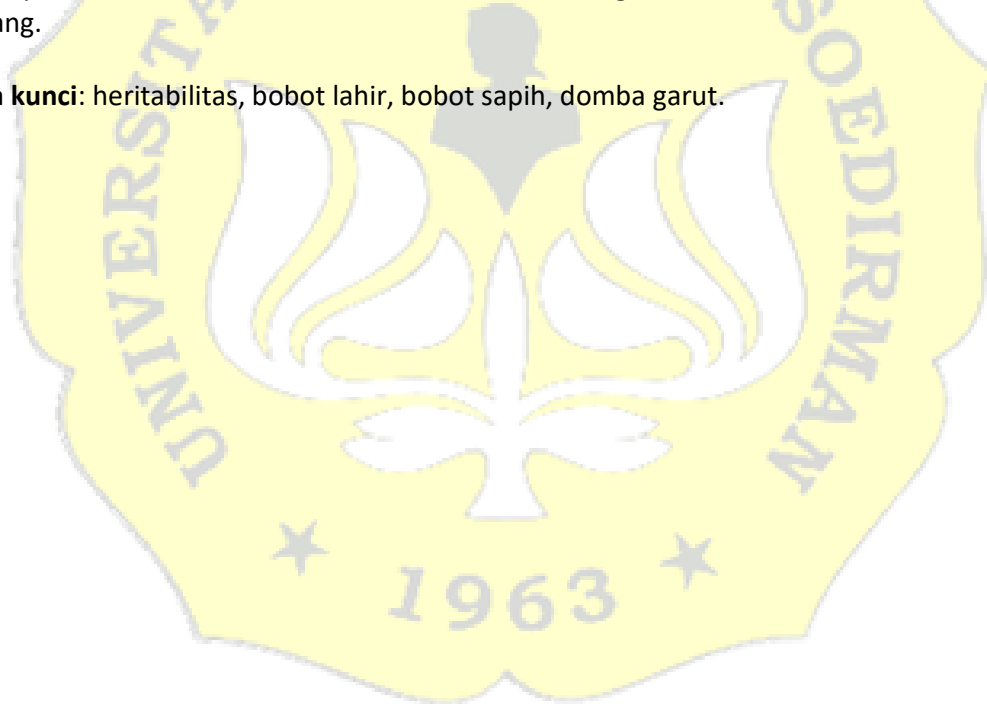


ABSTRAK

Penelitian ini bertujuan untuk mengetahui taksiran nilai heritabilitas dari karakteristik bobot lahir dan bobot sapih domba Garut di UPTD BPPTD Margawati menggunakan metode regresi anak tetua. Materi penelitian menggunakan data *recording* bobot lahir dan bobot sapih domba Garut periode pencatatan tahun 2018 – 2023 di Unit Pelaksanaan Teknis Daerah Balai Pengembangan Perbibitan Ternak Domba dan Kambing Margawati (UPTD-BPPTDK Margawati). Variabel genetik yang diukur adalah bobot lahir dan bobot sapih domba Garut. Data bobot lahir dan bobot sapih dikoreksi kearah jenis kelamin betina dan tipe kelahiran tunggal. Metode penaksiran nilai heritabilitas menggunakan metode regresi anak tetua dengan rumus $h^2 = 2 \text{ Bop}$. Hasil perhitungan rata-rata bobot lahir nyata dan terkoreksi domba Garut yaitu $2,78 \pm 0,67$ kg dan $2,82 \pm 0,55$ kg, sedangkan bobot sapih nyata dan terkoreksi yaitu $12,58 \pm 3,42$ kg dan $13,13 \pm 2,91$ kg. Hasil penaksiran heritabilitas karakteristik bobot lahir dan bobot sapih nyata masing masing diperoleh nilai $0,28 \pm 0,10$ dan $0,27 \pm 0,10$ sedangkan bobot lahir dan bobot sapih terkoreksi masing masing $0,22 \pm 0,11$ dan $0,19 \pm 0,10$. Nilai Heritabilitas Karakteristik Bobot lahir dan Bobot Sapih domba garut pada tahun 2020 – 2023 di UPTD-BPPTDK Margawati termasuk kedalam kategori sedang.

Kata kunci: heritabilitas, bobot lahir, bobot sapih, domba garut.



ABSTRACT

The purpose of the study was to determine the heritability value for birth weight and weaning weight characteristics of Garut sheep in UPTD-BPPTDK Margawati using parent offspring regression method. The research material used recording data of birth weight and weaning weight of Garut sheep from the recording period 2018–2023 at Unit Pelaksanaan Teknis Daerah Balai Pengembangan Perbibitan Ternak Domba dan Kambing Margawati (UPTD-BPPTDK Margawati). The variables measured were birth weight and weaning weight of Garut sheep. The data of birth weight and weaning weight were corrected toward female sex and single birth type. The method of estimating the heritability values uses the parent offspring regression with the formula $h^2 = 2 Bop$. The average actual and corrected birth weight of Garut sheep were 2.78 ± 0.67 kg and $2,82 \pm 0,55$ kg, while the actual and corrected weaning weights were 12.58 ± 3.42 kg and $13,13 \pm 2,91$ kg, respectively. The estimated heritability values of actual birth weight and weaning weight were 0.28 ± 0.104 and 0.27 ± 0.100 , respectively, while the corrected birth weight and weaning weight were 0.22 ± 0.106 and 0.19 ± 0.102 , respectively. The heritability values of birth weight and weaning weight characteristics of Garut sheep from 2020 – 2023 at UPTD-BPPTDK Margawati were classified as moderate

Key words: heritability, birth weight, weaning weight, garut sheep.

