

ABSTRAK

PENGARUH MANIPULASI IKLIM KANDANG TERHADAP TOTAL HEMATOKRIT DAN LAJU ENDAP DARAH CALON INDUK KAMBING PERANAKAN ETAWA

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Penelitian ini bertujuan untuk mengetahui pengaruh modifikasi iklim kandang terbaik terhadap total hematokrit dan laju endap darah calon induk kambing PE. Penelitian ini dilaksanakan pada Desember 2017 sampai Januari 2018, bertempat di kandang Jurusan Peternakan, Fakultas Pertanian, Universitas Lampung. Rancangan percobaan yang digunakan di dalam penelitian ini adalah Rancangan Acak Lengkap dengan 3 kali ulangan dan 3 perlakuan (P1: Kandang atap tunggal tanpa pengkabutan; P2: Kandang atap tunggal dengan pengkabutan; P3: Kandang atap ganda). Analisis hematokrit dengan metode mikrohematokrit dilaksanakan di Balai Veteriner Lampung. Analisis laju endap darah dengan metode *westergreen* dilaksanakan di Laboratorium Daerah Provinsi Lampung. Data hasil pengamatan dianalisis dengan sidik ragam. Hasil penelitian menunjukkan bahwa manipulasi iklim kandang tidak berpengaruh nyata ($P>0,05$) terhadap total hematokrit dan laju endap darah calon induk kambing PE.

Kata kunci: hematokrit, laju endap darah., kambing PE, iklim mikro.

ABSTRACT

INFLUENCE OF MICRO CLIMATE MANIPULATION ON THE AMOUNT OF HEMATOCRIT AND ERYTHROCYTE SEDIMENTATION RATE OF ETAWA CROSSBREED EWE

By

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This research aims to determine the effect of modification for the best of the micro climate to hematocrit and erythrocyte sedimentation rate of etawa crossbreed ewe. This research was conducted in December 2017 until January 2018, located at the house of Livestock Department, Faculty of Agriculture, University of Lampung. The experimental design used in this study was a Completely Randomized Design with 3 replications and 3 treatments (P1: Single roof housing without misting; P2: Single roof housing with misting; P3: double roof housing). Hematocrit analysis using microhematocrit method was conducted at office Veterinary Lampung. Blood rate analysis using westergreen method was carried out at Laboratory of Lampung. The observed data were analyzed by varians analysis. The results of this study indicate that micro climate manipulation has no significant effect ($P > 0,05$) to the amount of hematocrit and erythrocyte sedimentation rate of etawa crossbreed ewe.

Keywords: Hematocrit , Erythrocyte Sedimentation Rate, Goat PE, Micro Climate.