ABSTRAK

PENGARUH PEMBERIAN SILASE KULIT PISANG TERHADAP SEL DARAH MERAH, HEMOGLOBIN, DAN *PACKED CELL VOLUME* PADA DOMBA EKOR TIPIS

Oleh

Mutiara Putri Efendi

Penelitian ini bertujuan untuk mengetahui pengaruh pemberian silase kulit pisang terhadap sel darah merah, hemoglobin, dan *packed cell volume* pada domba ekor tipis dan mengetahui perlakuan terbaik pada pengaruh pemberian silase kulit pisang terhadap sel darah merah, hemoglobin, dan *packed cell volume*. Penelitian ini dilaksanakan pada bulan Desember 2023- Januari 2024 di unit kandang Jurusan Peternakan, Fakultas Pertanian, Universitas Lampung dan pengujian dilakukan di Balai Veteriner Bandar Lampung. Penelitian ini menggunakan Rancangan Acak Kelompok (RAK) dengan 3 perlakuan dan 5 ulangan. Perlakuan pakan dengan 3 imbangan: P0 (50% + Silase Tebon 50%), P1 (*Full feed komersial* 50% + Silase Tebon 35% + Silase Kulit Pisang 15%), dan P2 (*Full feed komersial* 50% + Silase Tebon 20% + Silase Kulit Pisang 30%). Hasil penelitian menunjukan rataan Sel darah merah, Hemoglobin, dan *Packed cell volume* pada penelitian dari P0,P1, dan P2 yaitu Sel darah merah ($11{,}12\times10^6$ sel/ul – $11{,}73\times10^6$ sel/µl), Hemoglobin (13,54 g/dL-27,83 g/dL), dan *Packed cell volume* ($11{,}12\times10^6$ sel/µl-$11{,}73\times10^6$). Berdasarkan penelitian ini bahwa pemberian silase kulit pisangpada domba ekor tipis dapat meningkatkan nilai kadar sel darah merah, hemoglobin, dan *packed cell volume* (PCV) tetapi masih dalam batasan normal.

Kata kunci : Domba ekor tipis, Hemoglobin, PCV, Sel Darah Merah.

ABSTRACT

EFFECT OF BANANA PEEL SILAGE ON RED BLOOD CELLS, HEMOGLOBIN, AND *PACKED CELL VOLUME* IN THIN-TAILED SHEEP

By

Mutiara Putri Efendi

This study aims to determine the effect of banana peel silage on red blood cells, hemoglobin, and *packed cell volume* in thin-tailed sheep and to determine the best treatment on the effect of banana peel silage on red blood cells, hemoglobin, and *packed cell volume*. This research was carried out in December 2023-January 2024 in the cage unit of the Department of Animal Husbandry, Faculty of Agriculture, University of Lampung and testing was carried out at the Bandar Lampung Veterinary Center. This study used a Group Random Design (RAK) with 3 treatments and 5 replicates. Feed treatment with 3 balances: P0 (50% Concentrate + 50% Tebon Silage), P1 (50% Concentrate + 35% Tebon Silage + 15% Banana Peel Silage), and P2 (50% Concentrate + 20% Tebon Silage + 30% Banana Peel Silage). The results showed that the average red blood cells, hemoglobin, and *packed cell volume* in the study from P0, P1, and P2, namely red blood cells (11.12×106 cells/ul – 11.73×106 cells/µl), hemoglobin (13.54 g/dL-27.83 g/dL), and *packed cell volume* (11.12×106 cells/µl-11.73×106). The data analyzed in this study was that banana peel silage had no significant effect but still maintained normal levels of red blood cells, hemoglobin, and *packed cell volume* (PCV).

Keywords: Hemoglobin, PCV, Red Blood Cells, Thin-tailed sheep.