

## ABSTRAK

### PENGARUH PEMBERIAN SILASE DAUN SINGKONG DENGAN LEVEL YANG BERBEDA TERHADAP TOTAL PROTEIN PLASMA DAN GLUKOSA DARAH PADA DOMBA EKOR TIPIS

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Penelitian ini bertujuan untuk mengetahui pengaruh pemberian dan level terbaik silase daun singkong terhadap total protein plasma dan glukosa darah pada Domba Ekor Tipis. Penelitian ini dilaksanakan pada Oktober—Desember 2025, bertempat di Kandang Ruminansia Jurusan Peternakan, Fakultas Pertanian, Universitas Lampung. Pemeriksaan total protein plasma dan glukosa darah domba dilakukan di Laboratorium Klinik Pramitra Biolab Indonesia Lampung. Penelitian ini dilakukan secara eksperimental yang terdiri atas 4 perlakuan dan 3 kali ulangan sehingga terdapat 12 ekor domba ekor tipis. Perlakuan yang digunakan yaitu P0 : Konsentrat 55% + Silase Tebon Jagung 45%, P1 : Konsentrat 55% + Silase Tebon Jagung 30% + Silase Daun Singkong 15%, P2 : Konsentrat 55% + Silase Tebon Jagung 15% + Silase Daun Singkong 30%, P3 : Konsentrat 55% + Silase Daun Singkong 45%. Data yang diperoleh disajikan dalam bentuk tabulasi dan dianalisis secara deskriptif. Rata-rata total protein plasma  $6,77 \pm 0,31$  g/dl (P0),  $6,60 \pm 0,26$  g/dl (P1),  $6,90 \pm 0,46$  g/dl (P2),  $6,83 \pm 0,65$  g/dl (P3), dan rata-rata glukosa darah  $70,67 \pm 5,77$  mg/dl (P0),  $68,33 \pm 2,31$  mg/dl (P1),  $68,00 \pm 1,00$  mg/dl (P2), dan  $72,00 \pm 8,54$  mg/dl (P3). Hasil penelitian menunjukkan bahwa pemberian silase daun singkong dengan level yang berbeda dalam ransum mempertahankan kadar total protein plasma dan glukosa darah pada domba ekor tipis dalam kisaran normal.

**Kata kunci:** Domba Ekor Tipis, Total Protein Plasma, Glukosa Darah, Daun Singkong.

## **ABSTRACT**

### **THE EFFECT OF DIFFERENT LEVELS OF CASSAVA LEAF SILAGE ON TOTAL PLASMA PROTEIN AND BLOOD GLUCOSE IN THIN-TAILED SHEEP**

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This study aimed to determine the effect and the optimum level of cassava leaf silage supplementation on total plasma protein and blood glucose in Thin-Tailed Sheep. The research was conducted from October—December 2025 at the Ruminant Livestock Facility, Department of Animal Science, Faculty of Agriculture, University of Lampung. Analysis of total plasma protein and blood glucose was carried out at Pramitra Biolab Indonesia Clinical Laboratory, Lampung. The experiment was conducted using an experimental method consisting of four treatments with three replications, involving a total of twelve Thin-Tailed Sheep. The treatments used is P0: 55% concentrate + 45% corn stover silage; P1: 55% concentrate + 30% corn stover silage + 15% cassava leaf silage; P2: 55% concentrate + 15% corn stover silage + 30% cassava leaf silage; and P3: 55% concentrate + 45% cassava leaf silage. The data obtained were tabulated and analyzed descriptively. The average total plasma protein values were  $6.77 \pm 0.31$  g/dl (P0),  $6.60 \pm 0.26$  g/dl (P1),  $6.90 \pm 0.46$  g/dl (P2), and  $6.83 \pm 0.65$  g/dl (P3), while the average blood glucose levels were  $70.67 \pm 5.77$  mg/dl (P0),  $68.33 \pm 2.31$  mg/dl (P1),  $68.00 \pm 1.00$  mg/dl (P2), and  $72.00 \pm 8.54$  mg/dl (P3). The results indicated that feeding cassava leaf silage at different inclusion levels in the diet maintained total plasma protein and blood glucose levels of Thin-Tailed Sheep within the normal physiological range.

**Keywords :** Thin-Tailed Sheep, Total Plasma Protein, Blood Glucose, Cassava Leaf.