

**EFEK PENAMBAHAN DAUN NANGKA DAN SOYBEAN MEAL,  
TERHADAP KONSUMSI DAN KECERNAAN NUTRIEN  
DOMBA EKOR TIPIS**

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**INTISARI**

Penelitian ini bertujuan untuk mengetahui efektivitas penambahan daun nangka dan *soybean meal* terhadap konsumsi dan pencernaan serta kinerja Domba Ekor Tipis betina. Penelitian menggunakan 16 ekor DET betina berumur rata-rata 1,5 tahun dengan bobot  $18,1 \pm 1,56$  kg. Ternak dipelihara selama satu bulan dengan koleksi data 14 hari di akhir pemeliharaan. Rancangan yang digunakan adalah Rancangan Acak Lengkap dengan empat perlakuan dan empat ulangan, antara lain Kontrol (K) berupa rumput odot 5000 g, Perlakuan 1 (P1) berupa rumput odot 4000 g dan daun nangka 700 g, Perlakuan 2 (P2) berupa rumput odot 4000 g dan SBM 75 g, serta Perlakuan 3 (P3) berupa rumput odot 4000 g, daun nangka 400 g, dan SBM 75 g, dengan masing-masing perlakuan mengandung PK dan TDN berturut-turut yaitu 7,68 dan 58,08%, 8,81 dan 58,20%, 10,44 dan 58,78%, 10,85 dan 58,78%. Pemberian pakan berbentuk *total mixed ration* dalam keadaan segar pada pagi dan sore hari, air minum diberikan secara *ad libitum*. Variabel yang diamati meliputi konsumsi, pencernaan nutrisi, dan perubahan bobot badan harian. Hasil penelitian pada perlakuan K, P1, P2, dan P3 secara berturut-turut diperoleh bahwa konsumsi nutrisi BK adalah  $52,69 \pm 3,27$ ,  $53,88 \pm 1,00$ ,  $54,40 \pm 3,77$  dan  $54,62 \pm 1,87$  g/kgBB/hari ( $P > 0,05$ ), sedangkan pencernaan nutrisi BK yaitu  $69,27 \pm 5,06$ ,  $72,22 \pm 4,61$ ,  $74,76 \pm 0,96$  dan  $76,84 \pm 1,73\%$  ( $P < 0,05$ ). Selain itu hasil perubahan bobot badan harian ternak berturut-turut yaitu  $72,62 \pm 21,07$ ,  $80,95 \pm 12,89$ ,  $84,52 \pm 11,90$  dan  $86,90 \pm 2,38$  g/ekor/hari ( $P > 0,05$ ), sehingga dapat disimpulkan bahwa konsumsi, pencernaan nutrisi, dan kinerja perubahan bobot badan harian ternak dengan perlakuan pakan yang berbeda relatif sama, tetapi cenderung lebih baik pada perlakuan kombinasi daun nangka dan *soybean meal*.

(Kata kunci: Daun nangka, Domba Ekor Tipis, Pencernaan, Konsumsi, Perubahan bobot badan harian, *Soybean meal*)

## THE EFFECT OF JACKFRUIT LEAVES AND SOYBEAN MEAL ADDITION, ON INTAKES AND NUTRIENT DIGESTIBILITY OF THIN TAILED SHEEP

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### ABSTRACT

This study aimed to determine the effectiveness of addition in the form of jackfruit leaves and soybean meal on the consumption and digestibility and performance of female thin-tailed sheep. The study used 16 female sheep with an average age of 1.5 years and initial bodyweight of  $18.1 \pm 1.56$  kg. The ewes were reared for one month with a data collection of 14 days at the end of the rearing. The design used was a completely randomized design with four treatments and four replications, including Control (K) fed with 5000 g *Pennisetum purpureum* cv. *Mott*, Treatment 1 (P1) fed with 4000 g *Pennisetum purpureum* cv. *Mott* and 700 g jackfruit leaves, Treatment 2 (P2) fed with 4000 g *Pennisetum purpureum* cv. *Mott* and SBM 75 g, and Treatment 3 (P3) fed with 4000 g *Pennisetum purpureum* cv. *Mott*, 400 g jackfruit leaves, and 75 g SBM, each treatment containing CP and TDN, 7.68 and 58.08%, 8.81 and 58.20%, 10.44 and 58.78%, 10.85 and 58.78%, respectively. Feed was offered in the form of fresh total mixed ration in the morning and evening, drinking water was given ad libitum. The variables observed were intakes, nutrient digestibility, and average daily weight change. The results of the research showed that the intakes of BK nutrients was  $52.69 \pm 3.27$ ,  $53.88 \pm 1.00$ ,  $54.40 \pm 3.77$  and  $54.62 \pm 1.87$  g / kgBW / day ( $P > 0,05$ ), respectively for treatment K, P1, P2, and P3, while the nutrient digestibility of DM was  $69.27 \pm 5.06$ ,  $72.22 \pm 4.61$ ,  $74.76 \pm 0.96$  and  $76.84 \pm 1.73\%$  ( $P < 0,05$ ). In addition, the results of the daily weight change of ewes were  $72.62 \pm 21.07$ ,  $80.95 \pm 12.89$ ,  $84.52 \pm 11.90$  and  $86.90 \pm 2.38$  g / head / day ( $P > 0,05$ ). It can be concluded that the feed intake, nutrient digestibility, and performance average daily weight change with different feed treatments is relatively the same, however, it tends to be better in the combination treatment of jackfruit leaves and soybean meal compared to solely feed.

(Keywords: Average daily weight change, Consumption, Digestibility, Jackfruit leaves, Soybean meal, Thin Tailed Sheep)