

**PENGARUH PEMBERIAN PAKAN KOMPLIT BERBASIS KALIANDRA  
(*Calliandra callothyrsus*) DAN INDIGOFERA (*Indigofera* sp.)  
TERHADAP KONSUMSI DAN KECERNAAN PROTEIN KASAR  
PADA DOMBA LOKAL**

**Nauvan Fata Alqomy  
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**INTISARI**

Pakan hijauan merupakan faktor penting dalam menunjang peningkatan produktivitas ternak ruminansia. Penelitian ini bertujuan untuk mengetahui pengaruh penggunaan kaliandra dan indigofera pada pakan komplit terhadap konsumsi dan pencernaan protein kasar pada domba lokal. Sejumlah 18 ekor domba yang terdiri dari domba ekor gemuk dan domba ekor tipis lepas sapih dengan rerata berat badan  $16 \pm 1,8$  kg dibagi dalam enam perlakuan dan tiga ulangan. Pakan komplit yang digunakan terdiri dari 5 perlakuan, yaitu P1 = pakan komplit dengan penambahan 10% kaliandra dan 30% indigofera, P2 = pakan komplit dengan penambahan 15% kaliandra dan 25% indigofera, P3 = pakan komplit dengan penambahan 20% kaliandra dan 20% indigofera, P4 = pakan komplit dengan penambahan 25% kaliandra dan 15% indigofera, P5 = pakan komplit dengan penambahan 30% kaliandra dan 10% indigofera, serta P0 sebagai pakan kontrol tanpa penambahan kaliandra dan indigofera. Variabel yang diamati berfokus pada konsumsi dan pencernaan protein kasar. Data dianalisis statistik dengan analisis variansi Rancangan Acak Lengkap (RAL) Pola Searah berupa uji ANOVA dan dilanjutkan dengan uji *Duncan's New Multiple Range Test* (DMRT). Jumlah rerata konsumsi protein kasar tertinggi diperoleh pada pemberian pakan P3 yaitu sebesar 195,85 g/ekor/hari dan pencernaan protein kasar terbaik diperoleh pada pemberian pakan P2 yaitu sebesar 82,13%. Berdasarkan hasil penelitian dapat disimpulkan bahwa penambahan 15% kaliandra dan 25% indigofera dalam pakan domba dapat menghasilkan nilai konsumsi dan pencernaan protein kasar yang terbaik.

Kata kunci: Domba, Indigofera, Kaliandra, Kecernaan Pakan, Konsumsi Pakan, Protein Kasar

**THE EFFECT OF COMPLETE FEED BASED ON CALLIANDRA  
(*Calliandra callothyrsus*) AND INDIGOFERA (*Indigofera* sp.) ON  
CRUDE PROTEIN CONSUMPTION AND DIGESTIBILITY  
IN LOCAL SHEEP**

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**ABSTRACT**

Forage was an important factor in improving productivity of ruminant livestock. This study aimed to determine the effect of calliandra and indigofera in complete feed on the consumption and digestibility of crude protein in local sheep. A total of eighteen sheep consisting of fat-tailed sheep and weaned local thin-tailed sheep with an average body weight of  $16 \pm 1.8$  kg were randomly divided into six treatments with three replications. The complete feed consisted of five treatments: P1 = complete feed with 10% calliandra and 30% indigofera, P2 = complete feed with 15% calliandra and 25% indigofera, P3 = complete feed with 20% calliandra and 20% indigofera, P4 = complete feed with 25% calliandra and 15% indigofera, P5 = complete feed with 30% calliandra and 10% indigofera and P0 as the control feed without calliandra and indigofera. The variables focused on the consumption and digestibility of crude protein. Sample was analyzed using analysis of variance with a Completely Randomized Design (CRD) in a one-way pattern, followed by Duncan's New Multiple Range Test (DMRT). The highest crude protein consumption was recorded in the P3 treatment with 195.85 g/head/day, and the best crude protein digestibility was recorded in the P2 treatment with 82.13%. Based on the results, it can be concluded that addition of 15% calliandra and 25% indigofera in sheep feed resulted in the best values for increased crude protein consumption and digestibility.

Key word: Sheep, Calliandra, Crude Protein, Feed Intake, Indigofera, Nutrient Digestibility