

## RINGKASAN

**NILLARIZKY LEDIE MUTTAQIN.** Penelitian bertujuan untuk (1). Mengkaji pertumbuhan lingkar dada domba lokal yang diberi *Indigofera sp* dengan level yang berbeda;(2). Mengkaji bobot badan domba lokal yang diberi *Indigofera sp* dengan level yang berbeda;(3). Mengetahui apakah *Indigofera sp* dapat menggantikan konsentrat. Materi yang digunakan 18 ekor domba lokal lepas sapih umur 4-5 bulan dengan bobot badan awal 6-15 kg. Rancangan percobaan yang digunakan adalah rancangan acak lengkap (RAL) 3 perlakuan dan 6 kali ulangan. Peubah yang diamati adalah bobot badan akhir dan lingkar dada . Data yang diperoleh dianalisis dengan analisis variansi. Hasil penelitian menunjukkan bahwa pemberian *Indigofera sp* berpengaruh tidak nyata ( $P < 0,05$ ) terhadap konsumsi bahan kering per bobot badan. Pemberian *Indigofera sp* menurunkan konsumsi bahan kering, sedangkan terhadap bobot badan akhir dan lingkar dada berpengaruh tidak nyata ( $P > 0,05$ ). Hasil penelitian diperoleh data rata-rata bobot akhir P0  $15,33 \pm 3,50$  kg ; P1  $13,42 \pm 2,83$  kg dan P2  $12,33 \pm 1,47$  kg dan lingkar dada P0  $52,33 \pm 4,71$  cm ; P1  $50,67 \pm 3,26$  cm dan P2  $49,00 \pm 2,00$  cm. Berdasarkan hasil analisis dapat disimpulkan bahwa pertumbuhan lingkar dada dan bobot badan domba lokal tidak dipengaruhi oleh pemberian *Indigofera sp*. *Indigofera sp* dapat digunakan untuk mensubsitusi pemberian konsentrat domba lokal sampai pada level 50%.

Kata kunci : domba lokal jantan, *Indigofera sp*, bobot badan, lingkar dada.

## SUMMARY

**NILLARIZKY LEDIE MUTTAQIN.** The research objectives; were to 1). Assess the growth of chest circumference given different levels of *Indigofera sp.* 2). Assess the weight of local lambs given different levels of *Indigofera sp.* 3). Determine *Indigofera sp* to substitute the concentrate. The material used were 18 local lambs, 4-5 months old with initial body weight of 6-15 kg. The experimental design used was a completely randomized design (CRD) with 3 treatments and 6 replicates. The variables observed were final body weight and chest circumference. The data obtained were analyzed by analysis of variance. The results showed that the treatment had a did not significant effect on dry matter consumption ( $P>0.05$ ). Giving *Indigofera sp* decreased the consumption of dry matter, while giving *Indigofera sp* did not significantly affect final body weight and chest circumference ( $P>0.05$ ). Average final body weight of P0, P1 dan P2 respectively were  $15.33 \pm 3.50$  kg;  $13.42 \pm 2.83$  kg and  $12.33 \pm 1.47$  kg, and chest circumference P0, P1 dan P2 respectively were  $52.33 \pm 4.71$  cm;  $50.67 \pm 3.26$  cm and  $49.00 \pm 2.00$  cm. Based on the results of the analysis it can be concluded that the growth of chest circumference and body weight of local sheep is not affected by the provision of *Indigofera sp.* *Indigofera sp* can be used to substitute local lamb concentrate up to 50% level.

Keywords: Male local lamb, *Indigofera sp*, Body weight, Chest circumference