

## **ABSTRAK**

### **PERBANDINGAN RASIO NEUTROFIL DENGAN LIMFOSIT (N/L) PADA ANAKAN DOMBA EKOR TIPIS JANTAN DAN BETINA**

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Rasio Neutrofil/Limfosit (N/L) dapat digunakan sebagai indikator stres. Penelitian ini bertujuan untuk mengetahui nilai rasio neutrofil/limfosit (N/L) pada anakan domba ekor tipis jantan dan betina. Sampel darah diambil dari lima ekor anak domba jantan dan empat ekor anak domba betina ekor tipis umur 1 bulan. Sampel darah diambil melalui vena jugularis kemudian dibuat preparat apus darah untuk dihitung nilai neutrofil dan limfosit. Rasio N/L didapatkan dengan membandingkan nilai neutrofil dengan nilai limfosit. Hasil perhitungan rata – rata rasio N/L anakan domba jantan adalah  $0,23 \pm 0,04$  dan anakan domba betina adalah  $0,41 \pm 0,28$ . Analisis statistik menggunakan metode *T – Independent Sample Test* menunjukkan terdapat perbedaan yang signifikan antara rasio N/L pada anakan domba ekor tipis jantan dan betina ( $P < 0,05$ ). Disimpulkan bahwa rasio N/L pada anak domba ekor tipis jantan lebih rendah dibandingkan pada anak domba ekor tipis betina meskipun masih dalam batas normal.

Kata kunci: anakan, betina, domba ekor tipis, jantan, rasio N/L

## **ABSTRACT**

### **COMPARISON NEUTROPHIL TO LYMPHOCYTE (N/L) RATIO IN MALE AND FEMALE THIN TAILED LAMB**

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The neutrophil to lymphocyte (N/L) ratio is one indicator that can be used to analyze stress levels. This research aims to determine the neutrophil to lymphocyte (N/L) ratio in female and male thin tailed lambs. The blood samples were obtained from five male and four female thin tailed lambs aged 1 month. The blood samples were obtained from the jugular vein and then a blood smear was made to calculate the neutrophil and lymphocyte value. Neutrophils were compared to lymphocytes to generate the N/L ratio. The N/L ratio average in male lambs were  $0,23 \pm 0,04$  and in female lambs were  $0,41 \pm 0,28$ . The statistical analysis used the T - Independent Sample Test method showed a significant difference between the N/L ratio in male and female lamb ( $P < 0,05$ ). The conclusion of this study is the neutrophil/lymphocyte (N/L) ratio in male lamb is lower than the ratio in female lamb, although it is still within the normal range.

Keywords: lambs, female, thin tailed lamb, male, N/L ratio