

**HUBUNGAN ANTARA KADAR *MILK UREA NITROGEN*  
(MUN) DENGAN KINERJA REPRODUKSI KAMBING  
SAANEN DI BBPTU-HPT BATURRADEN**

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**INTISARI**

Penelitian ini bertujuan untuk mengidentifikasi hubungan antara *milk urea nitrogen* dengan kinerja reproduksi kambing kaanen di BBPTU-HPT Baturraden. Penelitian dilakukan pada bulan Maret sampai dengan April 2017. lima belas ekor kambing kaanen betina pada kondisi laktasi ke-2 digunakan dalam penelitian ini. Kinerja reproduksi meliputi *post partus estrous* (PPE), *service per conception* (S/C) dan *days* (DO), diukur melalui data rekording. Pengambilan sampel susu dilakukan sebanyak empat kali per kambing dengan interval seminggu sekali selama sebulan kemudian dilakukan analisis kadar *milk urea nitrogen* (MUN) di Laboratorium Penelitian dan Pengembangan Terpadu Universitas Gadjah Mada. Sampel susu diambil pada saat pemerahan pagi sebelum pemberian pakan. Data kinerja reproduksi dan MUN yang diperoleh kemudian dilakukan analisis menggunakan model korelasi. Hasil penelitian menunjukkan rata-rata PPE, S/C dan DO secara berturut-turut  $155,60 \pm 14,60$  hari,  $2,73 \pm 0,70$  kali dan  $213 \pm 25,41$  hari. Rata-rata kadar MUN sebesar  $49,16 \pm 8,45$  mg/dl. Tidak terdapat korelasi antara MUN dengan kinerja reproduksi kambing Saanen di BBPTU-HPT Baturraden.

Kata kunci: *Milk urea nitrogen* (MUN), kinerja reproduksi, kambing Saanen

**CORRELATION BETWEEN MILK UREA NITROGEN (MUN)  
WITH REPRODUCTIVE PERFORMANCE OF SAANEN  
GOAT IN BBPTU-HPT BATURRADEN**

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**ABSTRACT**

This study was aimed to identify the relationship between milk urea nitrogen with reproductive performance of Saanen Goat in BBPTU-HPT Baturraden. This study was conducted in March to April 2017. fifteen female Saanen Goat on 2<sup>nd</sup> lactation were used in this study. Reproductive performance included post partum estrous (PPE), service per conception (S/C) and days open (DO) were measured based on records. Milk samples were collected four times for each goat with a week interval during one month then the sample were analyzed at Integrated Research and Development Laboratory Universitas Gadjah Mada. Milk samples were taken while morning milking before fed. The data of reproductive performance and milk urea nitrogen were analyzed using correlation model. The result showed that average value of PPE, S/C and DO were  $155,60 \pm 14,60$  days,  $2,73 \pm 0,70$  times and  $213 \pm 25,41$  days. The average of MUN concentration were  $49,16 \pm 8,45$  mg/dl respectively. There is no correlation between MUN and reproductive performance of Saanen goat in BBPTU-HPT Baturraden.

Keywords: Milk urea nitrogen (MUN), reproductive performance, Saanen goat