

**PENGARUH PENCUKURAN RAMBUT DAN PEMBERIAN HORMON
OKSITOSIN TERHADAP KUANTITAS DAN KUALITAS
EJAKULAT DOMBA LOKAL**

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INTISARI

Penelitian ini bertujuan untuk mengetahui pengaruh pencukuran rambut dan pemberian hormon oksitosin terhadap kuantitas dan kualitas ejakulat domba lokal. Sepuluh ekor domba lokal jantan dibagi secara acak menjadi dua kelompok yaitu kelompok pertama sebagai kontrol disuntik dengan aquabides steril 2,0 ml/ekor tanpa pencukuran rambut dan kelompok perlakuan disuntik hormon oksitosin dengan dosis 2,0 ml/ekor disertai dengan pencukuran rambut. Aquabides steril dan hormon diberikan secara subkutan seminggu dua kali selama 76 hari. Setelah 50 hari perlakuan, diuji kuantitas dan kualitas ejakulat meliputi warna dan bau, konsistensi, volume, pH, motilitas, konsentrasi sperma, sperma hidup, sperma abnormal dan mortalitas sperma. Data kuantitas sperma yang diperoleh dianalisis dengan metode *Student's t-test*. Hasil analisis statistik menunjukkan bahwa pencukuran rambut dan pemberian hormon oksitosin memberi pengaruh sangat nyata ($P < 0,01$) terhadap volume dan berbeda tidak nyata ($P > 0,05$) terhadap pH, motilitas, konsentrasi sperma, sperma hidup, sperma abnormal dan mortalitas sperma. Rerata volume, pH, motilitas, konsentrasi sperma, sperma hidup, sperma abnormal dan mortalitas sperma pada domba kelompok kontrol vs kelompok perlakuan adalah 0,88 vs 1,08ml, 6,55 vs 6,48, 75,33 vs 77,89%, 4231,15 vs 4740,67 106/ml, 80,60 vs 80,69%, 9,20 vs 9,02%, dan 19,40 vs 19,31%. Berdasarkan hasil penelitian dapat disimpulkan bahwa ternak yang mendapat perlakuan berupa kombinasi pencukuran rambut dan pemberian hormon oksitosin menghasilkan kuantitas dan kualitas ejakulat yang lebih baik bila dibandingkan dengan kelompok kontrol terutama volume ejakulat.

(Kata kunci : Domba Lokal, pencukuran rambut, oksitosin, kuantitas dan kualitas ejakulat).

**EFFECT OF CLIPPING AND OXYTOCIN HORMONE APPLICATION ON
THE QUANTITY AND QUALITY OF LOCAL RAM EJACULATE**

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ABSTRACT

This study was conducted to evaluate the effect of clipping and oxytocin hormone application on the quantity and quality of local ram ejaculate. Ten heads of local ram were randomly divided into two groups, namely control and treated groups. Control group was injected with steril aquabidestilata 2,0 ml/head without clipping and treated group was injected oxytocin hormone in a dose of 2,0 ml/head. Either steril aquabidestilata or hormone were given by subcutaneous injection twice a week, lasted for 76 days. After 50 days treatment, the quantity and quality of ejaculate were evaluated, such as :colour and smell, consistency, volume, pH, motility, sperm concentrate, life sperm percentage, abnormal sperm percentage and death sperm percentage. The collected data quantity were analyzed by Student's t-test method. The result showed that clipping and oxytocin hormone injection significantly ($P < 0.01$) increased the volume, except for pH, motility, sperm concentrate, life sperm percentage, abnormal sperm percentage and death sperm percentage. That showed no significant difference ($P > 0.05$). The average of volume, pH, motility, sperm concentrate, life sperm percentage, abnormal sperm percentage and death sperm percentage between local ram in the control vs treated groups were 0,88 vs 1,08ml, 6,55 vs 6,48, 75,33 vs 77,89%, 4231,15 vs 4740,67 106/ml, 80,60 vs 80,69%, 9,20 vs 9,02%, and 19,40 vs 19,31%. Based on the result of this study, it was concluded that applicaton of clipping and oxytocin hormone could improve ejaculate quantity and quality, especially for volume.

(Key words : local ram, clipping, oxytocin, quantity and quality ejaculate).