



## **KINERJA INDUK KAMBING BLIGON DENGAN SUPLEMENTASI MINERAL BLOCK**

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### **INTISARI**

Penelitian ini bertujuan untuk mengetahui kinerja induk kambing Bligon dengan penambahan *mineral block* pada pakan. Penelitian ini dilaksanakan di kandang Ternak Potong, Kerja dan Kesayangan, Unit Pelaksana Teknis Terpadu, Fakultas Peternakan, Universitas Gadjah Mada. Penelitian menggunakan 17 ekor induk kambing Bligon dengan kriteria telah memasuki kebuntingan akhir. Induk kambing Bligon dikelompokkan ke dalam 2 kelompok perlakuan, yaitu 8 ekor induk dengan penambahan *mineral block* dan 9 induk sebagai kontrol. Induk bunting diamati dan data yang diambil meliputi konsumsi pakan, konsumsi *mineral block*, dan kinerja induk yang meliputi *litter size*, bobot lahir, mortalitas prasapah, bobot sapah, *post partum estrus* (PPE), *post partum mating* (PPM), perubahan bobot badan harian (PBBH) induk, konsumsi susu anak, dan perubahan bobot badan harian (PBBH) anak. Data yang diperoleh kemudian dianalisis dengan Independent Sample T-Test. Hasil penelitian menunjukkan bahwa konsumsi BK, PK, dan TDN pada induk perlakuan dan kontrol berturut-turut sebesar 55,17±5,40 dan 57,31±6,59 (g/kg BBM); 4,32±0,37 dan 4,48±0,48 (g/kg BBM); 31,11±2,97 dan 32,29±3,71 (g/kg BBM). Terdapat perbedaan tidak signifikan pada konsumsi BK, PK, dan TDN antara induk perlakuan dan kontrol. Konsumsi *mineral block* pada induk perlakuan sebesar 4,18±1,1 g/hari. Hasil penelitian menunjukkan *litter size*, bobot lahir cempe, mortalitas prasapah, bobot sapah, PPE, PPM, PBBH induk, konsumsi susu cempe, dan PBBH cempe dari induk perlakuan dan kontrol berturut-turut sebesar 1,37±0,51 ekor dan 1,22±0,44 ekor; 2,61±0,42 kg dan 2,80±0,88 kg; 0 % dan 0 %; 9,64±1,91 kg dan 9,44±3,21 kg; 55,75±2,91 hari dan 60,44±9,26 hari; 68,87±2,90 hari dan 73,55±9,27 hari; -0,07±0,08 kg dan -0,07±0,08 kg; 0,67±0,11 kg dan 0,63±0,15 kg; 0,14±0,03 kg dan 0,12±0,04 kg. Terdapat perbedaan tidak signifikan pada *litter size*, bobot lahir cempe, mortalitas prasapah, bobot sapah, PPE, PPM, PBBH induk, konsumsi susu cempe, dan PBBH cempe. Disimpulkan bahwa penambahan *mineral block* pada induk kambing Bligon tidak berpengaruh pada kinerja induk.

Kata kunci : *Mineral block*, Suplementasi, Kinerja induk, Kambing Bligon.



## REPRODUCTION PERFORMANCE OF BLIGON DOES WITH *MINERAL BLOCK* SUPPLEMENTATION

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### ABSTRACT

This research was aimed to observe the reproduction performances of Bligon does with *mineral blocks* supplementation. This research was carried out at Technical Implementation Unit, Laboratory of Meat, Draught, and Companion Animals, Faculty of Animal Science, Universitas Gadjah Mada. The study used 17 Bligon does which approximately in the 5<sup>th</sup> month of pregnancy. Bligon Does were grouped into 2 (8 animals were in treatment and 9 animals were in the control group). Bligon Does were observed and the collected data included feed consumption, *mineral block* consumption, and reproduction performance, including *litter size*, kid birth weight, pre-weaning mortality, weaning weight, *post-partum estrus* (PPE), and *post-partum mating* (PPM), Does average daily gain (ADG), milk consumption, and kids average daily gain (ADG). The data obtained were then analyzed using Independent Sample T-Test. The results showed that the consumption of DM, CP, and TDN in the treatment group and control groups was  $55.17 \pm 5.40$  and  $57.31 \pm 6.59$  (g/kg MBW);  $4.32 \pm 0.37$  and  $4.48 \pm 0.48$  (g/kg MBW);  $31.11 \pm 2.97$  and  $32.29 \pm 3.71$  (g/kg MBW). There was no significant difference in the consumption of DM, CP, and TDN between the treatment and control. Consumption of *mineral blocks* in the treatment group was  $4.18 \pm 1.1$  g/day. The results showed that *litter size*, kid birth weight, pre-weaning mortality, weaning weight, PPE, PPM, Does ADG, milk consumption of kid, and kid ADG from treatment and control were  $1.37 \pm 0.51$  kid and  $1.22 \pm 0.44$  kid;  $2.61 \pm 0.42$  kg and  $2.80 \pm 0.88$  kg; 0% and 0%;  $9.64 \pm 1.91$  kg and  $9.44 \pm 3.21$  kg;  $55.75 \pm 2.91$  days and  $60.44 \pm 9.26$  days;  $68.87 \pm 2.90$  days and  $73.55 \pm 9.27$  days;  $-0.07 \pm 0.08$  kg and  $-0.07 \pm 0.08$  kg;  $0.67 \pm 0.11$  kg and  $0.63 \pm 0.15$  kg;  $0.14 \pm 0.03$  kg and  $0.12 \pm 0.04$  kg. There were no significant differences between treatment and control groups. It was concluded that the addition of *mineral blocks* to the Bligon Does feed had no effect on their reproduction performance.

Key words : *Mineral block*, Supplementation, Reproduction performance, Bligon Goat.