

## **KINERJA INDUK KAMBING BLIGON DI DESA REJOSO DAN DESA SOMOPURO, KECAMATAN JOGONALAN, KABUPATEN KLATEN, JAWA TENGAH**

**Rokiana Natalia**

**03/167903/PT/04602**

### **INTISARI**

Penelitian ini bertujuan untuk mengetahui kinerja induk kambing Bligon di desa Rejoso dan Somopuro, Kecamatan Jogonalan, Kabupaten Klaten. Materi yang digunakan adalah induk kambing Bligon sebanyak 30 ekor yang terdiri dari 15 ekor induk di desa Rejoso dan 15 ekor induk di desa Somopuro. Data yang diamati meliputi konsumsi pakan (konsumsi BK, PK dan TDN), pertambahan berat badan harian (PBBH), konversi pakan, *litter size*, *service per conception* (S/C), interval kelahiran dan panen cempe. Data konsumsi pakan (konsumsi BK, PK dan TDN), konversi pakan, *litter size*, S/C, dan interval kelahiran dianalisis menggunakan analisis *Independent Sample T-test*, sedangkan untuk PBBH dianalisis dengan menggunakan uji kovarian dengan berat badan awal sebagai kovariat. Hasil penelitian menunjukkan bahwa konsumsi BK, konsumsi PK, PBBH, konversi pakan, *litter size*, S/C dan interval kelahiran di desa Rejoso dan Somopuro tidak berbeda nyata, sedangkan konsumsi TDN terdapat perbedaan ( $P < 0,05$ ) di kedua desa. Rerata konsumsi BK, PK dan TDN di desa Rejoso dan Somopuro berturut-turut adalah  $35,75 \pm 13,72$  vs  $32,07 \pm 17,22$  g/kg BBM/hari;  $4,27 \pm 1,60$  vs  $4,00 \pm 2,16$  g/kg BBM/hari dan  $19,54 \pm 6,28$  vs  $18,01 \pm 8,93$  g/kg BBM/hari. Rerata PBBH dan konversi pakan adalah  $19,51 \pm 9,98$  vs  $18,52 \pm 8,57$  g/ekor/hari dan  $24,25 \pm 10,03$  vs  $21,33 \pm 13,02$ . Rerata interval kelahiran, *litter size* dan S/C desa Rejoso dan Somopuro berturut-turut adalah  $7,80 \pm 0,56$  vs  $7,93 \pm 0,70$  bulan;  $1,47 \pm 0,52$  vs  $1,33 \pm 0,49$  ekor dan  $2,40 \pm 0,51$  vs  $2,53 \pm 0,52$  kali. Angka panen cempe di desa Rejoso dan Somopuro adalah 234,27% dan 132,54%. Disimpulkan bahwa kinerja induk kambing Bligon di desa Rejoso dan Somopuro tidak berbeda.

(Kata kunci : Kinerja, Induk kambing Bligon, Desa Rejoso dan Desa Somopuro)

**PERFORMANCE OF BLIGON DOES IN REJOSO AND SOMOPURO VILLAGES, JOGONALAN SUB DISTRICT, KLATEN DISTRICT, CENTRAL JAVA**

**Rokiana Natalia**

**03/167903/PT/04602**

**ABSTRACT**

The aim of this research was to find out the performance of Bligon does in Rejoso and Somopuro villages, Jogonalan sub district, Klaten district, Central Java. Thirty seven Bligon does were used in this study, consisted of 19 Bligon does in Rejoso village and 18 Bligon does in Somopuro village. The parameters were consisted of dry matter, crude protein, total digestible nutrients (TDN), average daily gain (ADG), feed conversion, litter size, service per conception, kidding interval and kid crop. Intake of dry matter, crude protein, total digestible nutrients (TDN), feed conversion, litter size, service per conception, and kidding interval were analyzed using Independent Sample T-test, whereas ADG were analyzed using covariance analysis with initial body weight as covariate. The result showed that Bligon does in Rejoso and Somopuro villages were not significantly differ on dry matter intake, crude protein, ADG, feed conversion, litter size, service per conception, and kidding interval, however, TDN intake was significantly differ. The average of dry matter intake, crude protein intake and TDN were  $35,75 \pm 13,72$  g/kg MBW/day vs  $32,07 \pm 17,22$  g/kg MBW/day;  $4,27 \pm 1,60$  g/kg MBW/day vs  $4,00 \pm 2,16$  g/kg MBW/day and  $19,54 \pm 6,28$  g/kg MBW/day vs  $18,01 \pm 8,93$  g/kg MBW/day. The ADG and feed conversion were  $19,51 \pm 9,98$  g/head/day vs  $18,52 \pm 8,57$  g/head/day and  $24,25 \pm 10,03$  vs  $21,33 \pm 13,02$ . The kidding interval, litter size and S/C were  $7,80 \pm 0,56$  months vs  $7,93 \pm 0,70$  months;  $1,47 \pm 0,52$  head vs  $1,33 \pm 0,49$  head and  $2,40 \pm 0,51$  respectively vs  $2,53 \pm 0,52$  respectively. Kid crop in Rejoso and somopuro villages were 234,27% and 132,54%. It is concluded that the performance of Bligon does in Rejoso and Somopuro villages were not different significantly.

(Keywords : Bligon does, Performance, Rejoso and Somopuro Villages)