



ESTIMASI NATURAL INCREASE SAPI POTONG DI KECAMATAN KASIHAN
KABUPATEN BANTUL PROVINSI DAERAH ISTIMEWA YOGYAKARTA

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INTISARI

Penelitian ini dilaksanakan untuk mengetahui pertambahan populasi sapi potong secara alami (*natural increase*) di Kecamatan Kasihan Kabupaten Bantul. Penelitian ini dilaksanakan pada 3 desa di Kecamatan Kasihan yang terdiri dari Desa Bangunjiwo, sedang Desa Tamantirto, dan Desa Tirtonirmolo. Metode pengumpulan data primer yaitu dengan menggunakan survei serta kuesioner dan pengumpulan data sekunder melalui pengumpulan data yang dimiliki oleh pemerintah kecamatan Kasihan, Bantul, Yogyakarta. Variabel yang diamati yaitu identitas responden, kepemilikan dan status pemeliharaan ternak, kinerja reproduksi, dan mutasi ternak. Data dianalisis secara deskriptif untuk menghitung rata-rata dan standar deviasi serta *Natural Increase* (NI) sapi di kecamatan Kasihan. Hasil penelitian didapatkan presentase induk terhadap rata-rata sebesar 51,63%. Induk pertama kali beranak rata-rata sebesar $34,18 \pm 1,12$ bulan. *Service per conception* (S/C) rata-rata sebesar $2,79 \pm 0,32$ kali. Tingkat kelahiran terhadap populasi rata-rata sebesar 23,26%. Tingkat Kematian rata-rata sebesar 0,30%. Nilai NI yang dihasilkan sebesar 22,96%. Nilai *Natural Increase* dipengaruhi oleh tingkat kelahiran, tingkat kematian, dan mutasi ternak. Nilai *Natural Increase* di 3 Desa di Kecamatan Kasihan yang terdiri dari Desa Bangunjiwo, Desa Tamantirto, dan Desa Tirtonirmolo tergolong sedang.

(Kata Kunci: Sapi Potong, Populasi, *Natural Increase*, Kecamatan Kasihan, Kabupaten Bantul)



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**THE ESTIMATION OF NATURAL INCREASE OF BEEF CATTLE ON KASIHAN,
BANTUL REGENCY, DAERAH ISTIMEWA YOGYAKARTA PROVINCE.**

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ABSTRACT

This research was aimed to determine the natural increase (NI) of beef cattle population in Kasihan, Bantul Regency. This research was conducted in three villages in Kasihan sub-district which are Bangunjiwo, Tamantirto and Tirtonirmolo. The primary data collection method was using a questionnaires and collecting secondary data through the data owned by Kasihan Government, Bantul Regency, Daerah Istimewa Yogyakarta Province. The variables observed were respondent's identity, ownership and status of livestock breeding, reproductive performance, and livestock mutation. The data were analyzed descriptively to calculate the average and standard deviation and natural increase of beef cattle in Kasihan sub-district. The results obtained by the cows percentage of an average of 51.63%. The first natality average was 34.18+1.12 months. Service per conception (S / C) averaged 2.79 + 0.32 times. The average of birth rate to the population was 23.26%. The mortality rate average was 0.30%. The result of NI value was 22.96%. The Natural Increase value is influenced by birth rates, mortality rates, and mutations of livestock. The Natural Increase values in three villages in Kasihan sub-district consisting of Bangunjiwo Village, Tamantirto Village, and Tirtonirmolo Village are classified as moderate.

(Key Words: Beef Cattle, Population, Natural Increase, Kasihan Subdistrict, Bantul Regency)