

ESTIMASI DINAMIKA DAN PETA POPULASI SAPI POTONG DI KECAMATAN NGAWEN KABUPATEN KLATEN JAWA TENGAH

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INTISARI

Penelitian ini bertujuan untuk mengetahui dinamika populasi dan pemetaan populasi sapi potong di Kecamatan Ngawen Kabupaten Klaten Jawa Tengah. Penelitian dilakukan pada bulan Januari 2017 sampai Februari 2017. Penelitian dilakukan dengan metode sensus meliputi tiga desa (Drono, Candirejo, dan Pepe) dengan 102 responden dengan jumlah sapi 182 ekor. Data sekunder dari Dinas Pertanian Kabupaten Klaten. Estimasi populasi sapi potong di Kecamatan Ngawen dengan metode kenaikan rata-rata pada tahun 2016, 2017, 2018, 2019, dan 2020 adalah 1.871 ekor, 2.048 ekor, 2.242 ekor, 2.453 ekor, dan 2.685 ekor. Selanjutnya dengan metode *analisis time series* diestimasikan populasi sapi potong di Kecamatan Ngawen pada tahun 2016, 2017, 2018, 2019, dan 2020 adalah 1.705 ekor, 1.806 ekor, 1.907 ekor, 2.007 ekor, dan 2.108 ekor. Komposisi sapi potong di Kecamatan Ngawen sapi PO 50%, Simpo 40%, dan Limpo 10%. Struktur populasi sapi potong di Kecamatan Ngawen dewasa 68,09% (jantan 46,28% dan betina 21,81%), muda 4,79% (jantan 3,19% dan betina 1,60%), pedet 27,13% (jantan 21,28% dan betina 5,85%). Populasi sapi potong di Kecamatan Ngawen pada tahun 2011 sampai 2015 mengalami peningkatan rata-rata 9,44% per tahun.

(Kata kunci: Sapi Potong, Dinamika Populasi, Kecamatan Ngawen)

**ESTIMATION OF POPULATION DYNAMICS AND POPULATION MAP
OF BEEF CATTLE AT NGAWEN SUB DISTRICT KLATEN REGENCY
CENTRAL JAVA**

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ABSTRACT

The research was aimed to determine the population dynamics and the population map of beef cattle at Ngawen Sub-District Klaten Regency Central Java. This research was done from January 2017 to February 2017. This research was conducted using census method in three villages (Drono, Candirejo and Pepe), consisted of 102 farmers interviewed as respondent with 182 cattle. Secondary data was obtained from Department of Agriculture at Klaten Regency. Estimation of beef cattle population with average increase method at Ngawen District in 2016, 2017, 2018, 2019 and 2020 were 1871; 2048; 2242; 2453 and 2658. Estimation of beef cattle population in 2016, 2017, 2018, 2019 and 2020, counted using analysis *time series* method and the result of each year was 1705; 1806; 1907; 2007 and 2108. The composition of beef cattle were 50% PO, 40% SIMPO and 10% LIMPO. The structure of beef cattle were adult cattle (46.28% male and 21.81% female cattle), yearling (3.19% male and 1.60% female cattle), calves (21.28% male and 5.85% female cattle). Beef cattle population at Ngawen sub district from 2011 to 2015 had an average increase of 9.44%.

(Key Words: Beef Cattle, Population, Dynamics, Ngawen District)