

RINGKASAN

Penelitian ini bertujuan untuk membandingkan ukuran-ukuran vital kambing PE di Kecamatan Kaligesing, Kabupaten Purworejo, Jawa tengah dan mengetahui kesesuaian ukuran tubuh kambing PE dengan Standar Nasional Indonesia (SNI) No. 7352:2008. Peubah yang diukur adalah panjang badan, tinggi pundak, lingkaran dada, panjang telinga dan panjang bulu rewos. Penelitian ini dilaksanakan pada bulan Juni 2015. Materi yang digunakan dalam penelitian ini adalah 118 ekor kambing PE berumur 2-4 tahun dengan rincian sebagai berikut: dari desa Tlogoguwo diambil sampel sejumlah 20 jantan dan 24 ekor betina, dari desa Pandanrejo 16 jantan dan 23 ekor betina, dan dari desa Kaliharjo 13 jantan dan 22 ekor betina. Penelitian ini dilakukan menggunakan metode survey.

Hasil penelitian menunjukkan bahwa panjang badan, tinggi pundak, panjang telinga dan panjang bulu rewos kambing PE betina dan jantan antar desa tidak berbeda nyata ($P > 0,05$), tetapi lingkaran dada kambing PE betina antar desa berbeda nyata ($P < 0,05$). Kesimpulan dari penelitian ini adalah Desa Tlogoguwo dan Desa Pandanrejo memiliki ukuran statistik vital kambing PE Kaligesing jantan dan betina umur 2–4 tahun berbeda dengan kambing PE Kaligesing Desa Kaliharjo. Desa Tlogoguwo memiliki ukuran lingkaran dada, panjang badan dan bobot badan lebih tinggi dari Desa Pandanrejo dan Desa Kaliharjo. Dengan demikian, semua ukuran statistik vital kambing PE Kaligesing betina dan jantan umur 2–4 tahun telah memenuhi standar SNI, kecuali lingkaran dada dan panjang telinga kambing PE jantan.

Kata kunci: Ukuran vital, Kambing PE, Kaligesing

SUMMARY

This study aimed to compare the vital sizes of Ettawa crossbreed goats in Kecamatan Kaligesing, Purworejo, Central Java, and to assess the suitability of goat's body size based on the Indonesian National Standard (SNI) No. 7352: 2008. The parameters measured were their body length, shoulder height, chest girth, ear length, and fur length. Conducted in June 2015, this research used a survey method by taking 118 2-to-4-year-old Ettawa crossbreed goats as the research materials sampled from three villages, namely Tlogoguwo (20 she-goats and 24 billy goats), Pandanrejo (16 she-goats and 23 billy goats), and Kaliharjo (13 she-goats and 22 billy goats).

The results showed that the body length, body height, shoulder height, ear length and fur length of the goats in the villages were not significantly different ($P>0,05$), but their chest girths between the villages were. This indicates that, in the three villages, the average of their chest girths were significantly different ($P<0,05$). The conclusion of this study is that the vital statistics of the goats in both Tlogoguwo village and Pandanrejo village were different from those in Kaliharjo village. The chest girth, body length, and height of the goats in the village Tlogoguwo were taller than those in Pandanrejo and Kaliharjo. Except the chest girth and ear length of the billy goats, all of the vital statistics of the goats, therefore, have met the ISO standard.

Keywords: Vital Size, Ettawa Crossbreed Goat, Kaligesing

