

UKURAN TUBUH SAPI ACEH DI PETERNAKAN RAKYAT DAN BALAI PEMBIBITAN TERNAK UNGGUL DAN HIJAUAN PAKAN TERNAK INDRAPURI

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INTISARI

Penelitian bertujuan untuk mengidentifikasi perbedaan ukuran tubuh sapi Aceh yang dipelihara di peternak rakyat dan BPTU-HPT Indrapuri. Sapi Aceh yang digunakan berjenis kelamin jantan dan betina sebanyak 110 ekor dengan rincian 55 ekor dari peternak rakyat dan 55 ekor ternak dari BPTU-HPT Indrapuri. Pembagian jumlah ternak berdasarkan umur sebagai berikut; pedet umur < 1 tahun jantan dan betina berjumlah 40 ekor, muda umur 1 – 2,5 tahun (poel 1 – 2) jantan dan betina berjumlah 40 ekor dan dewasa umur > 2,5 tahun (poel \geq 3) jantan dan betina berjumlah 30 ekor. Data yang diambil adalah ukuran tubuh (panjang badan, lingkaran dada, dan tinggi gumba). Data dianalisis dengan menggunakan uji *T-test*. Hasil penelitian menunjukkan bahwa sapi Aceh jantan umur < 1 tahun yang dipelihara di BPTU-HPT Indrapuri secara nyata ($P < 0,05$) mempunyai ukuran tinggi gumba dan lingkaran dada yang lebih tinggi, yaitu ($94,05 \pm 3,00$ vs $83,17 \pm 1,56$ cm) dan ($108,20 \pm 5,90$ vs $98,40 \pm 7,58$ cm). Sapi Aceh betina umur < 1 tahun yang dipelihara peternak secara nyata ($P < 0,05$) mempunyai panjang badan yang lebih tinggi ($87,84 \pm 8,96$ vs $79,10 \pm 3,78$ cm) namun memiliki tinggi gumba yang lebih rendah ($81,62 \pm 5,79$ vs $86,15 \pm 3,02$ cm) dibandingkan sapi yang dipelihara di BPTU-HPT Indrapuri. Sapi Aceh jantan umur 1 – 2,5 tahun yang dipelihara di BPTU-HPT Indrapuri secara nyata ($P < 0,05$) mempunyai tinggi gumba ($101,95 \pm 2,08$ vs $92,76 \pm 5,11$ cm) dan lingkaran dada yang lebih baik ($124,60 \pm 5,48$ vs $115,40 \pm 6,93$ cm), sedangkan pada betina, tinggi gumba sapi yang dipelihara di BPTU-HPT Indrapuri juga secara nyata lebih baik ($P < 0,05$). Pada umur lebih dari 2,5 tahun, sapi Aceh betina yang dipelihara di peternak secara nyata ($P < 0,05$) mempunyai badan yang lebih panjang ($107,41 \pm 3,82$ vs $100,50 \pm 1,31$ cm), namun tinggi gumba yang lebih rendah ($95,28 \pm 4,26$ vs $101,33 \pm 2,79$ cm) dibandingkan dengan sapi yang dipelihara di BPTU-HPT Indrapuri. Disimpulkan bahwa sapi Aceh yang dipelihara di BPTU-HPT Indrapuri mempunyai ukuran tubuh yang lebih baik dibandingkan dengan yang dipelihara oleh peternak, terutama pada jantan umur kurang dari satu tahun serta jantan dan betina umur 1 – 2,5 tahun.

(Kata kunci: Sapi Aceh, lokasi, ukuran tubuh, umur, jenis kelamin).

BODY SIZES OF ACEH CATTLE KEPT BY SMALL FARMERS AND CATTLE BREEDING CENTRE BEURAU, INDRAPURI

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ABSTRACT

The research was conducted to identify the differences body sizes of Aceh cattle kept by small farmers and Cattle Breeding Centre Bureau, Indrapuri (BPTU-HPT Indrapuri). One hundreds and ten head of male and female Aceh cattle, consisted of 55 cattle located at farmers and 55 cattle at BPTU-HPT Indrapuri were measured in this study. The cattle were divided based on their ages, 40 head were less than one year old, 40 head were 1 – 2.5 years old and 30 head were more than 2.5 years old. The data were consisted of body length, heartgirth and shoulder height. Data were analysed using *t-test*. The results showed that less than one year old of male cattle kept at BPTU-HPT Indrapuri has significantly higher shoulder height and heart girth than cattle kept by farmers, it was (94.05±3.00 vs 83.17±1.56 cm) for shoulder height and (108.20±5.90 vs 98.40±7.58 cm) for heartgirth, respectively. Female cattle aged less than one year old kept by farmers has significantly longer body size (87.84±8,96 vs 79.10±3.78 cm) however it has shorter shoulder height (81.62±5,79 vs 86.15±3.02 cm) compared to cattle kept at BPTU-HPT Indrapuri. Male Aceh cattle aged at 1 – 2.5 years old kept at BPTU-HPT Indrapuri has significantly higher shoulder height (101.95±2.08 vs 92.76±5.11 cm) and heart girth (124.60±5.48 vs 115.40±6.93 cm) compared to male Aceh cattle kept by farmers, while for female, shoulder height of cattle kept at BPTU-HPT Indrapuri also significantly higher than cattle kept by farmers. Female Aceh cattle for more than 2.5 years old kept by farmers significantly has longer body size (107.41±3.82 vs 100.50±1.31 cm), but shorter shoulder height (95.28±4.26 vs 101.33±2.79 cm) compared to cattle kept at BPTU-HPT Indrapuri. It is concluded that Aceh cattle kept at BPTU-HPT Indrapuri has better body sizes compared to cattle kept by farmers, primarily for male cattle less than one year old and both male and female cattle under 1-2.5 years old.

(Key words: Aceh cattle, Location, Body size, Age, Sex).