



## **KARAKTERISTIK EKSTERIOR KUDA DI KABUPATEN BANTUL, DAERAH ISTIMEWA YOGYAKARTA**

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### **INTISARI**

Penelitian ini bertujuan untuk mengetahui karakteristik eksterior kuda yang dipelihara di Kabupaten Bantul. Materi yang digunakan dalam penelitian ini adalah 21 ekor kuda sandel, 17 ekor kuda thokol, 55 ekor kuda KPI, dan 9 ekor kuda peranakan Thoroughbred. Variabel yang diamati meliputi tinggi gumba, panjang badan, lingkaran dada, warna rambut, marking, dan struktur kaki. Data kuantitatif yang diperoleh dianalisis menggunakan *one way ANOVA*, sedangkan data kualitatif dianalisis secara deskriptif. Tinggi gumba, panjang badan, dan lingkaran dada kuda Sandel, thokol, KPI, dan peranakan *Thoroughbred* berturut-turut masing-masing adalah  $140,70 \pm 4,43$ ,  $145,18 \pm 8,71$ ,  $153,78 \pm 6,12$ , dan  $159,78 \pm 6,72$  cm;  $139,05 \pm 5,08$ ,  $143,35 \pm 9,67$ ,  $147,31 \pm 7,65$ , dan  $150,44 \pm 8,60$  cm; serta  $163,52 \pm 9,03$ ,  $159,18 \pm 8,72$ ,  $170,60 \pm 6,93$ , dan  $180,78 \pm 5,74$  cm. Tinggi gumba peranakan Thoroughbred lebih tinggi ( $P < 0,05$ ) daripada KPI, tinggi gumba KPI lebih tinggi ( $P < 0,05$ ) daripada thokol, tinggi gumba thokol lebih tinggi ( $P < 0,05$ ) daripada sandel. Panjang badan kuda KPI dan peranakan Thoroughbred lebih tinggi ( $P < 0,05$ ) daripada sandel, sedangkan KPI dan thokol berbeda tidak nyata, tetapi peranakan Thoroughbred lebih tinggi ( $P < 0,05$ ) daripada thokol. Lingkaran dada kuda peranakan Thoroughbred lebih besar ( $P < 0,05$ ) dari kuda KPI, sedangkan kuda KPI lebih besar ( $P < 0,05$ ) dari kuda sandel dan thokol, kuda sandel dan thokol berbeda tidak nyata. Warna rambut kuda yang sering muncul pada kuda sandel yaitu *bay*, *gray*, dan *piebald* dengan masing-masing warna sebanyak 14,3%. Sedangkan pada kuda thokol, KPI, dan peranakan Thoroughbred menunjukkan warna yang sering muncul adalah bay berturut-turut sebanyak 41,2%, 49,1%, dan 55,6%. Sebagian besar kuda tidak memiliki *marking* baik di wajah (57,8%) maupun di bagian kaki (63,7%). Disimpulkan bahwa kuda di Bantul mengalami peningkatan ukuran tubuh (78,6%) dan penurunan (27,3%) variasi warna seiring dengan peningkatan proporsi darah kuda Thoroughbred.

Kata kunci: Karakteristik eksterior, Thoroughbred, Kabupaten Bantul



## **EXTERIOR CHARACTERISTIC OF HORSES AT BANTUL DISTRICT, SPECIAL REGION OF YOGYAKARTA**

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### **ABSTRACT**

This study aimed to determine the exterior characteristics of horses raised at Bantul Regency. The subjects used in this study were 21 Sandel horses, 17 Thokol horses, 55 KPI horses, and 9 Thoroughbred grade horses. The variables observed included withers height, body length, heart girth, hair color, markings, and leg structure. Quantitative data were analyzed using one-way ANOVA, while qualitative data were analyzed descriptively. The withers height, body length, and heart girth of Sandel, Thokol, KPI, and Thoroughbred grade horses were  $140.70 \pm 4.43$ ,  $145.18 \pm 8.71$ ,  $153.78 \pm 6.12$ , and  $159.78 \pm 6.72$  cm;  $139.05 \pm 5.08$ ,  $143.35 \pm 9.67$ ,  $147.31 \pm 7.65$ , and  $150.44 \pm 8.60$  cm; and  $163.52 \pm 9.03$ ,  $159.18 \pm 8.72$ ,  $170.60 \pm 6.93$ , and  $180.78 \pm 5.74$  cm respectively. The withers height of Thoroughbred grade was higher ( $P < 0.05$ ) than KPI, the withers height of KPI was higher ( $P < 0.05$ ) than Thokol, and the withers height of Thokol was higher ( $P < 0.05$ ) than Sandel. The body length of KPI and Thoroughbred grade was higher ( $P < 0.05$ ) than Sandel, while KPI and Thokol were not significantly different, but Thoroughbred grade were higher ( $P < 0.05$ ) than Thokol. The heart girth of Thoroughbred grade was larger ( $P < 0.05$ ) than KPI, while KPI was larger ( $P < 0.05$ ) than Sandel and Thokol, with no significant difference between Sandel and Thokol. The common hair colors observed in Sandel horses were bay, gray, and piebald, each at 14.3%. In Thokol, KPI, and Thoroughbred crossbreed horses, the common color was bay, with occurrences of 41.2%, 49.1%, and 55.6% respectively. Most horses had no markings on either their faces (57.8%) or their legs (63.7%). It can be concluded that body size increases (78,6%) and color variation decreases (27,3%) as the proportion of Thoroughbred blood increases.

Key words: Exterior characteristic, Thoroughbred, Bantul district