

**PENGARUH BOBOT POTONG TERHADAP PERSENTASE KARKAS DAN NON KARKAS KERBAU DI RUMAH POTONG HEWAN KABUPATEN KUDUS**

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**INTISARI**

Penelitian ini bertujuan untuk mengetahui pengaruh bobot potong terhadap persentase karkas dan non karkas di Rumah Potong Hewan Kabupaten Kudus. Materi penelitian sebanyak 80 ekor kerbau jantan dengan pengelompokan bobot potong 290-375 kg dan 376-460 kg. Data yang digunakan yaitu bobot karkas, persentase karkas dan non karkas (kepala, kaki, kulit, hati, paru-paru, jantung, saluran pencernaan, dan ginjal). Berdasarkan penelitian didapatkan hasil untuk kelompok dengan bobot potong 290-375 kg memiliki persentase karkas  $49,64 \pm 0,474\%$ , persentase kepala  $2,48 \pm 0,297\%$ , persentase kulit  $4,07 \pm 0,418\%$ , persentase kaki  $0,73 \pm 0,111\%$ , persentase jantung  $0,09 \pm 0,02\%$ , persentase hati  $0,39 \pm 0,033\%$ , persentase paru  $0,39 \pm 0,033\%$ , persentase saluran pencernaan  $1,03 \pm 0,107\%$ , dan persentase ginjal  $0,09 \pm 0,015\%$ . Kelompok dengan bobot potong 376-460 kg menghasilkan persentase karkas  $49,52 \pm 0,555\%$ , persentase kepala  $1,78 \pm 0,171\%$ , persentase kulit  $2,94 \pm 0,308\%$ , persentase kaki  $0,67 \pm 0,049\%$ , persentase jantung  $0,09 \pm 0,01\%$ , persentase hati  $0,33 \pm 0,031\%$ , persentase paru  $0,17 \pm 0,011\%$ , persentase saluran pencernaan  $0,88 \pm 0,113\%$  dan persentase ginjal  $0,07 \pm 0,014\%$ . Data karkas dan non karkas dianalisis dengan variansi rancangan acak lengkap pola searah. Hasil analisis menunjukkan bahwa bobot potong berpengaruh secara signifikan terhadap persentase karkas, kepala, kulit, hati, paru-paru, saluran pencernaan, dan ginjal. Bobot potong tidak berpengaruh secara signifikan terhadap persentase kaki dan jantung ( $P > 0,05$ ).

Kata kunci: Kerbau, Bobot Potong, Karkas, Non Karkas

## **EFFECT OF SLAUGHTER WEIGHT TO MALE BUFFALO CARCASS AND NON CARCASS PERCENTAGE AT SLAUGHTER HOUSE IN KUDUS**

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### **ABSTRACT**

The aim of this research was to know the influence of slaughter weight on carcass percentage and non carcass in abattoir Kudus regency. Samples of this research are 80 male buffaloes by grouping slaughter weight 290-375 kg and 376-460 kg. The data are slaughter weight, carcass percentage and non carcass (head, legs, leather, liver, lungs, heart, alimentary tract, and kidneys). Based on the research obtained for the group 290-375 kg slaughter weight, the carcass percentage was  $49,64 \pm 0,474\%$ , the percentage of the head  $2,48 \pm 0,297\%$ , skin percentage  $4,07 \pm 0,418\%$ , the percentage of legs  $0,73 \pm 0,111\%$ , heart percentage  $0,09 \pm 0,02\%$ , liver percentage  $0,39 \pm 0,033\%$ , lungs percentage  $0,39 \pm 0,033\%$ , the percentage of the digestive tract  $1,03 \pm 0,107\%$ , and kidney percentage  $0,09 \pm 0,015\%$ . The group with 376-460 kg slaughter weight had carcass percentage  $49,52 \pm 0,555\%$ , percentage of head  $1,78 \pm 0,171\%$ , skin percentage  $2,94 \pm 0,308\%$ , percentage of legs  $0,67 \pm 0,049\%$ , heart percentage  $0,09 \pm 0,01\%$ , liver percentage  $0,33 \pm 0,031\%$ , lungs percentage  $0,17 \pm 0,011\%$ , the percentage of the digestive tract  $0,88 \pm 0,113\%$  and kidney percentage  $0,07 \pm 0,014\%$ . Carcass and non carcass data were analyzed with completely randomized design variance. The result shows that slaughter weight has significant effects on weight percentage of carcass, head, leather, liver, lungs, alimentary tract and kidney. Slaughter weight does not have significant effects on weight percentage of legs, and heart ( $P > 0,05$ ).

Key words: Male Buffalo, Slaughter Weight, Carcass, Non carcass