**Comperation of carcass weight of Anatolian water buffaloes according to gender ,age and the place of sloughterhouse of Thrace region of Turkiye**

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**Abstract:**

The goal of this study is the comparison of measured carcass weights of the Anatolian buffalos, in terms of the district of Slouhterehouse located , age, and gender. As an animal material, carcass data obtained from of totally 860 heads of buffalos, raised in Thrace region, where livestock raising is intensive, and slaughtered in slaughterhouses in Esenyurt and Büyükçekmece districts in Istanbul was used. Accordingly,  with respect to least square analyses, statistically significant differences were seen(P<0.01). In terms of districts as slouhterhouses located, average carcass weight was 222.55 kg while in Esenyurt it was 230.71 kg, and the gap between them was considered significant(P<0.01). When gender factor is taken into consideration, average carcass weight of females was 216.09 kg and for males, 237.17kg and the distinction between them was also found significant(P<0.01). Animals were grouped by their ages from 1 to 15, and average carcass weight of one-year-old buffalos was 165.69 while it was 213.53 for three-year-old animals which were also considered significant(P<0.01). In this study, the effects of districts, age and gender factors on carcass weights of Anatolian buffalos, slouhtered in two different districts, were investigated.

**Key Words**: Anatolian Buffalo, Carcass Weight, Age, Gender