ABSTRACT

Body Size of Toraja Spotted Buffalo in Different Sex and Age

Ardi, S., Komariah, and H. Nuraini

This research was use secondary data of 267 Spotted Buffalos that taken from Sanggalangi Sub-District, North Toraja District which supposed to compare chest girth, body length and body weight of male and female Spotted Buffalo in different age class. Those data were processed by using Randomized Block Design. The treatments were include male and female sexes and also five age classes, those are < 1, 1, 1-3, 3-5 and > 5 years. Repetition total was unbalance. If those data have significant differences, those data then processed by Duncan Test. Observed variables included body length, chest girth and body weight. Body weight was gotten from estimation based on linear regression equation (Putra, 1985). The result showed that age and sex had a significant effect to body measurement of Toraja Spotted Buffalo which included body length, chest girth and body weight (P<0.05). The average of body length gradually increased along with age. The older spotted buffalo was longer than the younger in the same or different sex. In each same age class, body measurement of male Toraja Spotted Buffalo was higher than the female. But in age class of > 5 year, average body measurement of female Spotted Buffalo would be higher than male Spotted Buffalo.

Keywords: Toraja Spotted Buffalo, body measurement, body length, chest girth, body weight