# Heterosis Value Estimation of Magelang and Tegal Crossed Ducks Morphometrics Characteristics

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| **Abstract** | The aim of this research is to estimate the heterosis value of Magelang and Tegal crossed ducks morphometrics characteristics. The cross between the Magelang duck male and the Tegal female is called Maggal (F1). The research material are 319 ducks consisted of Magelang and Tegal ducks with 10 males and 70 females each, also the cross result of 239 Maggal ducks. Research method is experiment. The variable measured was the morphometric characteristics (body weight, body length, chest circumference, abdominal circumference, shank length, pubis length, and neck lenght) of the duck aged at 6 months. The heterosis value is obtained by comparing the ability of the cross with the parent. This research has shown heterosis in body weight, body length, chest circumference, abdominal circumference, shank length, pubis length, and neck lenght of 6 month old Gallang and Maggal duck were 0.03; 0.01; 0.06; 0.02; -0,05; 0.01; and 0.03. Based on the results of this study, it can be concluded that the heterosis value of Magelang and Tegal crossed ducks morphometrics characteristics were relatively low. The positive heterosis value in body weight, body length, chest circumference, abdominal circumference, pubis length, and neck lenght, while shank length negative. |
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