

THE EFFECT OF SPICE (TURMERIC AND CINNAMON) AND L-CARNITINE SUPPLEMENTATION IN RATION ON WEIGHT AND CARCASS PERSENTAGE, PART OF CARCASS, AND ABDOMINAL FAT OF MALE LOCAL DUCK

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ABSTRACT^{*)}

This research aims to determine the effect of spice (turmeric and cinnamon) and L-Carnitine supplementation in rations on weight and carcass percentage, part of carcass, and abdominal fat of male local duck. The research was conducted on May 25th until July 17th, 2017, at Teaching Farm Unit, University of Mercu Buana Yogyakarta, and Laboratory of Animal Production, Faculty of Agroindustry, University of Mercu Buana Yogyakarta. The research used Completely Randomized Design (CRD) one way pattern with 4 treatments consisting of 3 replications, where P0 : without addition spice and L-Carnitine supplementation, P1 : addition 0,5% spice and L-Carnitine supplementation, P2 : addition 1,0% spice and L-Carnitine supplementation, and P3 : addition 1,5% spice and L-Carnitine supplementation. The variable that are measure are the life weight, carcass weight, wings weight, thighs and drumstick weight, breasts weight, back weight, and abdominal fat. The data or variable obtained were analyzed for variance when there was a significant difference tested further with Duncan's New Multiple Range Test (DMRT). The result showed that the life weight P0 : 1316,33; P1 : 1362,67; P2 : 1395,67 and P3 : 1399,67 g/pcs, carcass weight P0 : 691,00; P1 : 693,00; P2 : 714,67 and P3 : 664,00 g/pcs, weight wings P0 : 113,33; P1 : 115,67; P2 : 113,00 and P3 : 115,00 g/pcs, weight thighs and drumstick P0 : 230,33; P1 : 212,67; P2 : 234,67 and P3 : 217,33 g/pcs, weight breasts P0 : 133,33; P1 : 125,33; P2 : 144,00 and P3 : 120,67 g/pcs, weight back P0 : 214,00; P1 : 238,33 ; P2 : 223,00 and P3 : 211,00 g/pcs and abdominal fat P0 : 17,67 ; P1 : 9,00; P2 : 13,33 and P3 : 11,00 g/pcs. The result of the analysis showed non significant difference ($P>0.05$) on the life weight, carcass weight, wings weight, thighs and drumstick weight, breasts weight, back weight, and abdominal fat. From the results of this research it was concluded that spice and L-Carnitine supplementation did not affect life weight, carcass weight, wing weight, thigh weight and drumstick, breasts weight, back weight, and abdominal fat.

Key words : Male local duck, life weight, carcass weight, abdominal fat, spice and L-Carnitine supplementation.

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