

**THE EFFECT OF TURMERIC NANOCAPSULE LEVEL IN RATION  
ON THE PERCENTAGE OF CARCASS, PART OF CARCASS,  
ABDOMINAL, AND SUB-CUTANEOUS FAT OF  
MALE LOCAL DUCK**

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**ABSTRACT\*)**

This study aims to determine the effect of turmeric nanocapsules in the ration on the percentage of carcass, its parts, abdominal fat and subcutaneous fat of male local duck. This research was conducted on 08 April until 13 May 2018 at UPT Mercu Buana University Yogyakarta and the Chemistry Laboratory of Mercu Buana University Yogyakarta. The research method was conducted experimentally using a Completely Randomized Design (CRD) consisting of 7 treatments and 3 replications where P1 without the addition of turmeric nanocapsule (control), P2, P3, P4, P5, P6 with addition of turmeric nanocapsule as much 1%, 2%, 3%, 4%, 5%, 6%. The variables measured were, percentage of carcass weight, its parts, percentage of abdominal fat and subcutaneous fat content. Significantly different data is tested further with *Duncan's new Multiple Range Test* (DMRT). The results showed that the addition of turmeric nanocapsule in the feed had significant effect ( $P < 0,05$ ) on wing weight wit percentage per treatment P1 : 18,87%; P2 : 13,4%; P3 : 14,1%; P4 : 12,21%; P5 : 14,7%; P6 : 12,13%; P7 : 12,57%. Concluded that the addition of turmeric nanocapsules to 4% in broiler duck rations can produce the best life weight and wings.

Keywords : Local male duck, turmeric nanocapsule, percentage carcass weight and its parts, abdominal fat percentage, subcutaneous fat content.

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\*) Student Thesis, Animal Husbandry Study, Faculty of Agroindustry, Mercu Buana University Yogyakarta, 2018.