

**PENGARUH PENAMBAHAN NANOKAPSUL JUS KUNYIT TERHADAP
BOBOT DAN BAGIAN-BAGIAN KARKAS SERTA
LEMAK ABDOMINAL ITIK PEKING**

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INTISARI*)

Penelitian ini bertujuan untuk mengetahui pengaruh penambahan nanokapsul jus kunyit terhadap bobot dan bagian-bagian karkas serta lemak abdominal itik peking. Penelitian ini dilaksanakan pada bulan September-November 2019 di kandang Unit Pelatian Teknis (UPT), Kaliurang Desa Argomulyo, Kecamatan Sedayu, Kabupaten Bantul, Universitas Mercu Buana Yogyakarta. Penelitian ini menggunakan Rancangan Acak Lengkap (RAL) dengan pola searah, perlakuan yang digunakan yaitu terdiri dari 6 level ransum basal yang ditambahkan (P1AGP, P2 0%, P3 1%, P4 2%, P5 3%, P6 4%, masing-masing perlakuan diulang 3 kali dan setiap ulangan terdiri dari 5 ekor itik. Data dianalisis menggunakan *Analysis of Varienc* (ANOVA), jika ada perbedaan nyata dilanjutkan dengan uji *Duncan's New Multiple Range Test* (DMRT). Variabel yang diamati yaitu bobot hidup, bobot karkas, bobot dada, bobot paha, bobot punggung, bobot sayap, bobot lemak abdominal. Pada penelitian P1, P2, P3, P4, P5 dan P6 berturut-turut pada bobot hidup adalah: 1660: 1637: 1563: 1600: 1637: 1658 g/ekor bobot karkas: 894,00: 952,33: 894,67: 911,33: 946,00: 940,33 g/ekor bobot sayap: 159,00: 158,00: 137,33: 153,33: 150,67: 151,00 g/ekor bobot paha: 278,0: 259,3: 241,0: 240,0: 288,0: 252,3 g/ekor bobot dada: 203,33: 258,67: 223,67: 225,00: 218,33: 217,33 g/ekor bobot punggung: 251,0: 270,0: 293,7: 282,7: 282,0: 279,0 g/ekor bobot lemak abdominal: 8,66: 8,66: 9,00: 10,33: 7,00: 7,33 g/ekor. Berdasarkan hasil penelitian dapat disimpulkan bahwa penambahan nanokapsul jus kunyit dalam pakan basal dengan level pemberian 0-4% tidak mempengaruhi bobot dan bagian-bagian karkas, serta lemak abdominal.

Kata kunci : Itik peking, nanokapsul kunyit, bobot dan bagian-bagian karkas, lemak addominal.

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**THE EFFECT OF TURMERIC JUICE NANOCAPSULE ADDITION ON
WEIGHT AND PART OF CARCASS AND ABDOMINAL FAT
CONTENT OF PEKING DUCK**

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ABSTRACT*)

The research aim to determine the effect of turmeric juice nanocapsule addition on weight and part of carcass and abdominal fat content of peking duck. This research was conducted in September-November 2019 in the cage of technical shutdown Unit (UPT), Kaliurang village Argomulyo, Sedayu district, Bantul Regency, University of Mercu Buana Yogyakarta. This study use completely randomized design (CRD) with one way pattern, the treatment used was composed of 6 basal ration levels added (P1AGP, P2 0%, P3 1%, P4 2%, P5 3%, P6 4%, each treatment replicated 3 times and each replication consists of 5 ducks. The Data were analyzed by Analysis of Variance (ANOVA), if there was significant difference continued by Duncan's New Multiple Range Test (DMRT). The observed variable were live weight, carcass weight, chest weight, thigh weight, back weight, wing weight, abdominal fat weight. On research P1, P2, P3, P4, P5 dan P6 respectively on live weight is: 1660: 1637: 1563: 1600: 1637: 1658 g/head, carcass Weight: 894.00: 952.33: 894.67: 911.33: 946.00: 940.33 g/head, wing weight: 159.00: 158.00: 137.33: 153.33: 150.67: 151.00 g/head, Chest weight: 203.33: 258.67: 223.67: 225.00: 218.33: 217.33 g/head, thigh weight: 278,0: 259,3: 241,0: 240,0: 288,0: 252,3 g/head, back-weight: 251.0: 270.0: 293.7: 282.7: 282.0: 279.0 g/head, abdominal fat weight: 8.66: 8.66: 9.00: 10.33: 7.00: 7.33 g/head. Based on the result of the study could be concluded that the addition of turmeric juice nanocapsule in basal feed with a level of administration 0-4% did not influence weight and part of carcass and abdominal fat content of peking duck.

Keywords: peking duck, Turmeric nanocapsule, Weight and parts of Carcass, abdominal fat.

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