

PENGARUH NANO KAPSUL DAUN BINAHONG TERHADAP KINERJA PERTUMBUHAN AYAM KAMPUNG UNGGUL BALITBANGTAN

MUSTIKA HALIM

NIM : 190220112

INTISARI*

Penelitian ini bertujuan untuk mengetahui pengaruh nano kapsul daun binahong (NKDB) terhadap kinerja pertumbuhan ayam kampung unggul balitbangtan (KUB). Penelitian dilaksanakan pada tanggal 4 Juli sampai dengan 25 September 2021. Pemeliharaan ayam KUB dilaksanakan di Sorolaten, Sidokarto, Godean. Materi penelitian yang digunakan adalah ayam KUB dan NKDB. Penelitian ini menggunakan Rancangan Acak Lengkap (RAL) pola searah yang terdiri dari 6 perlakuan yaitu P1(Ransum basal kontrol negatif + NKDB 0%); P2(Ransum basal kontrol positif +antibiotic sintetis bacitracin 50 ppm); P3(Ransum basal + NKDB 2%); P4(Ransum basal + NKDB 4%); P5(Ransum basal+NKDB 6%); P6(Ransum basal+ NKDB 8%). Masing-masing dilakukan pengulangan sebanyak 4 (empat) kali, setiap pengulangan terdiri dari 4 ekor ayam. Variabel yang diamati yaitu konsumsi pakan, pertambahan bobot badan, konversi pakan dan mortalitas. Data dianalisis dengan menggunakan *Analysis of variance* (ANOVA). Hasil penelitian menunjukkan hasil rerata pertambahan bobot badan ayam KUB P1; P2; P3; P4; P5; dan P6 berturut turut adalah 505,1; 485,77; 461,29; 508,38; 476,81 dan 574,75 g. Konsumsi pakan 2475,50; 2404,06; 2495,68; 2562,62; 2382,06 dan 2490,87 g. Konversi pakan 4,99; 4,98; 5,85; 5,11; 5,06 dan 4,34. Mortalitas P1; P2; P3; P4; P5; dan P6 yaitu 0,00; 0,25; 0,50; 0,00; 0,00; dan 0,00 %. Dari hasil penelitian disimpulkan penambahan nano kapsul daun binahong pada level 0 – 8 % pada ransum tidak mempengaruhi kinerja pertumbuhan ayam KUB.

Kata kunci: Daun_binahong, Kinerja, Pertumbuhan, Ayam_KUB

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**THE EFFECT OF BINAHONG LEAF NANO CAPSULE ON GROWTH
PERFORMANCE OF KAMPUNG UNGGUL
BALITBANGTAN CHICKEN**

MUSTIKA HALIM

NIM : 190220112

ABSTRACT

This study aimed to determine the effect of binahong leaf nano capsule on the growth performance of kampung unggul balitbangtan. The study was carried out on July 4th to September 25th, 2021. KUB chicken rearing was carried out in Sorolaten, Sidokarto, Godean. The research materials used were KUB chicken and binahong leaf nano capsule. This study used a completely randomized design (CRD) with a one way pattern consisting of 6 treatments namely P1 (negative control basal ration + 0% BLNC); P2 (positive control basal ration + synthetic antibiotic bacitracin 50 ppm); P3 (Basal ration + 2% BLNC); P4 (Basal ration + 4% BLNC); P5(Basal ration+ 6% BLNC); P6(basal ration + 8% BLNC). Each treatment was repeated 4 (four) times, each replication consisted of 4 chickens. The variable observed were feed consumption, body weight gain, feed conversion and mortality. Data were analyzed using Analysis of variance (ANOVA). The results showed the average body weight gain of KUB chickens P1; P2; P3; P4; P5; and P6 were 505,1; 485,77; 461,29; 508,38; 476,81 and 574,75 g. Feed consumption were 2.475,50; 2.404,06; 2.495,68; 2.562,62; 2.382,06 and 2.490,87 g. Feed conversion were 4,99; 4.98; 5,85; 5,11; 5,06 and 4,34. Mortality P1; P2; P3; P4; P5; P6; are 0,00; 0,25; 0,50; 0,00; 0,00; and 0,00 %. From the results of the study it was concluded that the addition of binahong leaf nano capsule at a level of 0 – 8% in ration did not affect on growth performance of KUB chicken.

Key words : Binahong_leaf, growth, performance, KUB_chicken

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