

**PENGARUH NANO KAPSUL DAUN BINAHONG TERHADAP  
KUALITAS KIMIA DAGING AYAM KAMPUNG UNGGUL  
BALITBANGTAN**

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**INTISARI\***

Penelitian ini bertujuan untuk mengetahui pengaruh nano kapsul daun binahong (NKDB) terhadap kualitas kimia daging ayam kampung unggul balitbangtan (KUB) yang meliputi kadar air, abu, protein dan lemak. Materi yang digunakan dalam penelitian ini adalah 96 ekor ayam KUB jantan dan sampel daging yang digunakan adalah daging dari bagian dada (*Pectoralis superficialis*). Rancangan percobaan yang digunakan adalah Rancangan Acak Lengkap pola searah dengan 6 (enam) perlakuan yaitu P1(Ransum basal kontrol negatif + NKDB 0%); P2(Ransum basal kontrol positif +antibiotic sintetis bacitracin 50 ppm); P3(Ransum basal P1 + NKDB 2%); P4(Ransum basal P1 + NKDB 4%); P5(Ransum basal P1+NKDB 6%); P6(Ransum basal P1 + NKDB 8%). Masing-masing dilakukan pengulangan sebanyak 4 (empat) kali, setiap pengulangan terdiri dari 4 ekor ayam. Data yang diperoleh dianalisis dengan analisis variansi, jika hasil analisis variansi berbeda nyata maka akan dilanjutkan dengan uji Duncan's Multiple Range Test. Hasil penelitian ini menunjukkan a)kadar air P1: 73,42 P2: 73,42 P3: 73,96 P4: 73,99 P5: 73,89 P6: 74,22%, b)kadar abu P1: 0,984 P2:0,987 P3: 0,983 P4: 0,982 P5: 0,980 P6: 0,97%, c)kadar protein kasar P1: 25,71 P2: 26,48 P3: 26,77 P4: 26,10 P5: 25,36 P6: 25,80% d)kadar lemak kasar P1: 2,87 P2: 1,93 P3: 2,48 P4: 2,30 P5: 2,19 P6: 1,89%. Dari hasil penelitian menunjukkan bahwa penambahan NKDB pada ransum menurunkan kadar lemak kasar dan tidak memberikan efek pada variabel lainnya.

Kata kunci: Nano kapsul, daun binahong, kualitas kimia, daging, ayam KUB

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# **THE EFFECT OF BINAHONG LEAF NANO CAPSULE ON MEAT CHEMICAL QUALITY OF KAMPUNG UNGGUL BALITBANGTAN CHICKEN**

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## **ABSTRACT\***

This study aimed to determine the effect of binahong leaf nano capsule (NBL) on meat chemical quality of kampung unggul balitbangtan chicken (KUB) which includes Moisture, ash, protein, and crude fat contents. The material used in this study were 96 male KUB chickens and the meat sample used was muscle of Pectoralis superficialis. The experimental design used was a completely randomized design in one way pattern with 6 (six) treatments, namely P1 (negative control basal ration + 0% NBL); P2 (positive control basal ration + synthetic antibiotic bacitracin 50 ppm); P3(Basal ration P1+2% NBL); P4(Basal ration P1+4% NBL); P5(Basal ration P1+NBL 6%); P6(basal ration P1 + NBL 8%). Each was repeated 4 (four) times, each replication consisted of 4 chickens. The data were analyzed by analysis of variance, if the result of the analysis of variance were significant different, it was continued with Duncan's New Multiple Range Test. The result of this study showed a)water content P1: 73.42 P2: 73.42 P3: 73.96 P4: 73.99 P5: 73.89 P6: 74.22%, b) ash content P1: 0.984 P2: 0.987 P3 : 0.983 P4: 0.982 P5: 0.980 P6: 0.97%, c) crude protein content P1: 25.71 P2: 26.48 P3: 26.77 P4: 26.10 P5: 25.36 P6: 25.80 % d) crude fat content P1: 2.87 P2: 1.93 P3: 2.48 P4: 2.30 P5: 2.19 P6: 1.89%. The results showed that the addition of binahong leaf nano capsule in ration decrease the crude fat content and did not effect on another contents.

Keywords: nano capsule, binahong leaf, meat chemical quality, KUB chicken

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