

**PENGARUH PEMBERIAN DEDAK HALUS YANG DITAMBAH
KANDUNGAN ASAM AMINO KRITIS SEBAGAI PAKAN
TUNGGAL TERHADAP PRODUKSI KARKAS, *GIBLET*
DAN LEMAK ABDOMINAL AYAM KAMPUNG**

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INTISARI

Penelitian ini bertujuan untuk mengetahui pengaruh penambahan asam amino kritis dalam pakan tunggal dedak halus terhadap produksi karkas, *giblet* dan lemak abdominal ayam kampung umur 12 minggu. Sembilan puluh ekor ayam kampung umur satu hari dibagi dalam tiga kelompok perlakuan, yaitu: pakan dedak halus tanpa penambahan asam amino kritis (P0); pakan dedak halus + asam amino kritis sesuai kebutuhan (P1); pakan dedak halus + asam amino kritis 1,5 kali kebutuhan (P2). Setiap kelompok perlakuan diberikan replikasi 3 kali, masing-masing dengan 10 ekor ayam. Data yang dikumpulkan dari penelitian ini adalah berat hidup, berat dan persentase karkas, *giblet* (jantung, hati dan ampela) serta lemak abdominal. Data dianalisis variansi menggunakan Rancangan Acak Lengkap Pola Searah dan dilanjutkan dengan uji *Duncan's Multiple Range Test* (DMRT) untuk uji perbedaan. Hasil penelitian menunjukkan perbedaan nyata ($P < 0,05$) untuk berat hidup P0, P1 dan P2 berturut-turut $314,50 \pm 35$, $460,66 \pm 7,57$ dan $450,50 \pm 9,01$ g, berat karkas $182,73 \pm 19,05$, $276,93 \pm 4,43$ dan $265,98 \pm 2,70$ g, berat ampela $9,29 \pm 2,53$, $13,51 \pm 0,33$ dan $12,61 \pm 0,70$ g. Persentase karkas berturut-turut $58,05 \pm 0,73$, $60,05 \pm 0,67$ dan $58,98 \pm 1,70\%$, berat lemak abdominal $0,0,10 \pm 0,17$ dan $0,20 \pm 0,20$ g, persentase lemak abdominal $0,0,02 \pm 0,04$ dan $0,04 \pm 0,04\%$, berat jantung $2,26 \pm 1,12$, $2,76 \pm 0,53$ dan $2,51 \pm 0,22$ g serta berat hati $10,11 \pm 2,46$, $10,18 \pm 0,33$ dan $10,53 \pm 0,96$ g untuk P0, P1 dan P2 menunjukkan hasil berbeda tidak nyata. Dapat disimpulkan bahwa penambahan asam amino kritis sesuai kebutuhan dan 1,5 kali kebutuhan pada pakan tunggal dedak halus dapat meningkatkan berat hidup, berat karkas dan berat ampela namun tidak pada persentase karkas, berat dan persentase lemak abdominal serta berat jantung dan hati.

Kata kunci: Ayam kampung, Dedak halus, Asam amino kritis, Karkas, Lemak abdominal, *Giblet*

**THE EFFECT OF ENRICHED RICE BRAN WITH CRITICAL AMINO
ACID CONTENT AS A SINGLE DIETS FOR NATIVE CHICKEN
ON PRODUCTION OF CARCASS, *GIBLET*
AND ABDOMINAL FAT PAD**

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ABSTRACT

This study aimed to determine the effect of enriched rice bran with critical amino acids as a single diets for native chicken on carcass production, gilet and abdominal fat pad of 12 weeks of age. Ninety chickens day old chick of native chicken were divided into three treatment groups, P0 diet rice bran without the addition of critical amino acids; P1 diet rice bran enriched with critical amino acids as same as requirements; P2 diet rice bran enriched with 1.5 times the critical amino acid as same as requirements, with replication 3 times, and 10 chickens each. The data collected were the live weight, carcass weight and carcass percentage, gilet (heart, liver and gizzard) and abdominal fat pad. The data collected were analyzed by a one way classification of variance analyse (Completely Randomized Design) followed by testing signification means by Duncan's Multiple Range Test (DMRT). The results showed that there were significant differences ($P < 0.05$) on live weight P0, P1 and P2 314.50 ± 35.36 , 460.66 ± 7.57 and 450.50 ± 9.01 g, respectively, carcass weight 182.73 ± 19.05 , 276.93 ± 4.43 and 265.98 ± 2.70 g and gizzard weight 9.29 ± 2.53 , 13.51 ± 0.33 and 12.61 ± 0.70 g. The results had not significantly differences on carcass percentage were 58.05 ± 0.73 , 60.05 ± 0.67 and $58.98 \pm 1.70\%$, abdominal fat weight 0, 0.10 ± 0.17 and 0.20 ± 0.20 g, abdominal fat percentage 0, 0.02 ± 0.04 and $0.04 \pm 0.04\%$, heart weight 2.26 ± 1.12 , 2.76 ± 0.53 and 2.51 ± 0.22 g and a liver weight 10.11 ± 2.46 , 10.18 ± 0.33 and 10.53 ± 0.96 g for P0, P1 and P2 respectively. It can be concluded that the addition of critical amino acids as same as requirements and 1.5 times in to a single diets of rice bran can increase live weight, carcass weight and the weight of gizzard but not on carcass percentage, weight and abdominal fat pad percentage and weight of the heart and liver.

Key words: Native chickens, Rice bran, Critical amino acids, Carcass, Abdominal fat pad, Gilet