

**PENGARUH PEMBERIAN PAKAN BASAL TANG BERBEDA
DENGAN SUPLEMENTASI KONSENTRAT TERHADAP
KOMPOSISI KIMIA OTOT *BICEPS FEMORIS*
SAPI PERANAKAN ONGOLE**

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Intisari

Penelitian selama 14 minggu telah dilakukan untuk mengetahui pengaruh pemberian pakan basal jerami padi dan rumput raja dengan suplementasi konsentrat terhadap komposisi kimia otot *Biceps femoris* (BF) sapi Peranakan Ongole. Enam ekor sapi PO jantan berumur 2-2,5 tahun dan berat badan berkisar antara 226-256 kg, secara acak dibagi dalam dua kelompok. Kelortipok I diberi pakan basal jerami padi dengan suplementasi konsentrat dan kelompok II diberi pakan basal rumput raja dengan suplementasi konsentrat yang sama. Konsentrat terdiri atas onggok, molases, ketela pohon (*cassava*), tepung daun lamtoro, dedak halus, bungkil biji kapok terproteksi dan bungkil kedelai terproteksi dengan kandungan protein kasar (PK) 16%. Pakan basal diberikan secara *ad libitum*. Konsentrat yang diberikan sebanyak 30 g/kg BBM/hari. Sapi dipotong pada akhir pemeliharaan dan diambil sampel otot BF. Sampel daging dianalisis komposisi kimianya yang meliputi kadar air, protein, lemak, abu dan kadar kolesterol. Seluruh data dianalisis statistik menggunakan uji-t. Hasil penelitian menunjukkan bahwa rerata komposisi kimia daging dari otot BF berbeda tidak nyata antara kedua kelompok perlakuan. Rerata komposisi kimia otot BF antara kedua perlakuan berturut-turut kadar air, lemak, protein, abu dan kadar kolesterol adalah 77,80% vs 78,10%, 20,94% vs 21,22%, 1,52% vs 1,57%, 1,05% vs 1,04% dan 22,19 vs 22,53 mg/100g. Hasil penelitian dapat disimpulkan bahwa pemberian pakan basal yang berbeda antara jerami padi dan rumput raja dengan suplementasi konsentrat menunjukkan komposisi kimia otot BF sapi PO yang relatif sama.

(Kata kunci: Jerami Padi, Komposisi Kimia Daging, Konsentrat, Rumput Raja, Sapi Peranakan Ongole)

THE EFFECT OF DIFFERENT BASAL DIET WITH CONCENTRATE
SUPPLEMENT ON THE CHEMICAL COMPOSITION OF *BICEPS*
FEMORIS MUSCLE OF MALE ONGOLE CROSSBRED CATTLE

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Abstract

The experiment was conducted for fourteen weeks to determine the effect of rice straw and *king grass* supplemented with concentrate on the chemical composition of *Biceps femoris* (BF) muscle of male Ongole Crossbred (OC) cattle. Six OC of about 2-2,5 years old weighing about 226-256 kg, were divided randomly into two groups (each group contained three cattle). The first group received rice straw with concentrate supplement and *king grass* with concentrate supplement for the second group. The formulation of concentrate contained: cassava pomace, molasses, cassava, *leucaena* leaf meal, rice bran, protected ceiba pentandra seed meal and protected soybean meal with crude protein (CP) 16% content, respectively. The basal diet and water were given *ad libitum*, the concentrates given were 30 g/kg $W^{0.75}$ /day. Two weeks before the commencement of experiment, all experimental animals were given experimental adaptation diet. The data were statistically analyzed by student t-Test. The result showed that the chemical composition of BF muscle in first and second group did not significantly differ for water, protein, fat, ash and cholesterol. It was 77,80% vs 78,10%, 20,94% vs 21,22%, 1,52% vs 1,58%, 1,05% vs 1,04% and 22,19 vs 22,53 mg/100g, respectively. In conclusion, utilization of rice straw and *king grass* as basal diet with concentrate supplement gave a similar chemical composition of BF of male Ongole Crossbred cattle.

(Key words : Chemical Composition of *Biceps Femoris*,
Concentrate, *King Grass*, Rice Straw,
Ongole Crossbred Cattle)