



**PENGARUH SUPLEMENTASI KONSENTRAT BEKBEDA PADA PAKAN BASAL  
JERAMI PADI TERHADAP KOMPOSISI KIMIA OTOT *LONGISSIMUS*  
DOBSI SAPI PERANAKAN ONGOLE**

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**94/95468/PT/3092**

**2000**

**Intisari**

Penelitian ini bertujuan untuk mengetahui komposisi kimia otot *longissimus dorsi* (LD) sapi Peranakan Ongole (PO) yang diberi konsentrat buatan dan komersial pada pakan basal jerami padi. Enam ekor sapi PO jantan berumur 2-2,5 tahun dan berat badan awal antara 226-256 Kg, secara acak dibagi dalam 2 kelompok. Kelompok I diberi pakan basal jerami padi dan suplemen konsentrat buatan yang tersusun dari ketela pohon, onggok, dedak halus, molasses, tepung daun lamtoro, serta bungkil biji kapok dan bungkil kedelai diproteksi dengan formaldehid. Kelompok II diberi pakan basal jerami padi dan suplemen konsentrat komersial. Pakan basal dan air minum diberikan secara *ad libitum*. Konsentrat diberikan sebanyak 30g/Kg BB<sup>0,75</sup>. Pada Akhir pemeliharaan sapi dipotong diambil sampel otot LD pada bagian loin. Sampel daging dianalisis komposisi kimianya meliputi kadar air, protein, lemak, dan abu dengan analisis proksimat, kolesterol dianalisis sesuai metode Lubermann-Bucchard. Data dibandingkan dengan uji-t. Hasil penelitian menunjukkan rerata komposisi kimia otot LD tidak berbeda nyata antara kedua kelompok perlakuan. Rerata komposisi kimia otot LD meliputi kadar air, protein, lemak, abu, dan kolesterol kelompok I dan II berturut-turut adalah 77,43±1,88 vs 77,21±0,7% ; 20,96±0,21 vs 20,84±1,07% ; 1,79±0,31 vs 1,60±0,03% ; 1,08±0,07 vs 1,06±0,03% ; 22,19±3,9 vs 26,96±0,49 mg/100g. Dari hasil penelitian disimpulkan bahwa perbedaan suplemen konsentrat pada pakan basal jerami padi tidak berpengaruh nyata terhadap perubahan komposisi kimia otot LD sapi PO jantan.

Kata kunci: Sapi Peranakan Ongole, Jerami Padi, Konsentrat, Komposisi Kimia Otot *Longissimus Dorsi*

**THE EFFECT OF CONCENTRATE SUPPLEMENTATION AND RICE STRAW  
AS BASAL DIET ON THE CHEMICAL COMPOSITION OF *LONGISSIMUS*  
*DORSX* MUSCLE OF ONGOLE CROSSBRED CATTLE**

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**Abstract**

The objective of experiment to determine the chemical composition of *Longissimus dorsi* muscle of Ongole Crossbred Cattle fed with commercial concentrate and non commercial and rice straw as basal diet. Six male Ongole Crossbred Cattle about 2-2,5 years old and weight about 226-256 kg were randomly divided into treatment groups. The first treatment fed rice straw as basal diet and supplemented with non commercial concentrate that contained of cassava, tapioca meal dregs, rice bran, molasses, leucaena leaf meal, and kapok seed meal, and soybean oil meal protected with formaldehid. Second treatment group fed rice straw as basal diet and supplemented commercial concentrate. Basal diet and water drinking were given *ad libitum*. The concentrate were given 30 g/kg  $BB^{0,75}$ . The experimental were slaughtered. The cholesterol was analyzed with Lubermann-Buchard method. The results indicated that average of muscle LD composition was not significant different between treatment groups. The average of water, crude protein, lipid, ash, and cholesterol contain in the first treatment group compared to the second treatment group were  $77,43 \pm 1,88$  vs  $77,21 \pm 0,7\%$ ;  $20,96 \pm 0,21$  vs  $20,84 \pm 1,07\%$ ;  $1,79 \pm 0,31$  vs  $1,60 \pm 0,03\%$ ;  $1,08 \pm 0,07$  vs  $1,06 \pm 0,03\%$ ;  $22,19$  vs  $26,96 \pm 0,49$  mg/100g, respectively. Conclusion concentrate supplement and rice straw as basal diet did not significantly affect on the chemical composition of *longissimus dorsi* muscle of male Ongole Crossbred Cattle.

Key words: Ongole Crossbred Cattle, Rice Straw, Concentrate, Chemical Composition of *Longissimus Dorsi* Muscle