

**PENGARUH PEMBERIAN PAKAN BASAL YANG BERBEDA  
DENGAN SUPLEMENTASI KONSENTRAT FORMULASI  
TERHADAP KENAIKKAN BOBOT BADAN  
SAPI PERANAKAN ONGOLE**

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**INTISARI**

Penelitian ini bertujuan untuk mengetahui pengaruh pemberian pakan basal yang berbeda yaitu rumput raja dan jerami padi dengan suplementasi konsentrat formulasi terhadap kenaikan bobot badan sapi Peranakan Ongole (PO). Enam ekor sapi PO dibagi ke dalam dua kelompok. Kelompok I diberi pakan jerami padi dengan suplementasi konsentrat formulasi dan kelompok II diberi pakan rumput raja dengan konsentrat yang sama. Konsentrat formulasi terdiri atas onggok, molases, ketela pohon (*cassava*), tepung daun lamtoro, dedak halus, bungkil biji kapuk dan bungkil kedelai dengan perbandingan 24:4:21:12:15:8:16%. Pakan basal diberikan secara *ad libitum*. Konsentrat diberikan sebanyak 30 g/kg BBM/hari. Penimbangan ternak dilakukan seminggu sekali. Data dikumpulkan selama 14 minggu. Data yang diperoleh dianalisis statistik dengan uji-t. Hasil analisis menunjukkan adanya perbedaan yang sangat nyata ( $P < 0,01$ ) pada konsumsi BK (6,55 vs 5,48 kg/ekor/hari atau 103,18 vs 86,64 g/kg BBM/hari), konsumsi PK (0,55 vs 0,66 kg/ekor/hari atau 8,54 vs 10,38 g/kg BBM/hari), konsumsi TDN (3,14 vs 3,55 kg/ekor/hari atau 49,47 vs 56,10 g/kg BBM/hari) dan kenaikan bobot badan (0,48 vs 0,59 kg/ekor/hari), sedangkan konversi pakan (14,43 vs 9,29) menunjukkan perbedaan yang nyata ( $P < 0,05$ ). Dari hasil tersebut disimpulkan bahwa suplementasi konsentrat terhadap pakan basal rumput raja memberikan kenaikan bobot badan yang lebih tinggi daripada jerami padi, namun demikian jerami padi dengan suplementasi konsentrat 30 g/kg BBM/hari hampir memenuhi kebutuhan ternak untuk ADG 0,5 kg/hari.

(Kata kunci : Jerami padi, Konsentrat formulasi, Pertambahan bobot badan, Rumput raja, Sapi Peranakan Ongole)

THE EFFECT OF USING DIFERENT BASAL DIETS  
WITH SUPPLEMENTATION OF FORMULATED CONCENTRATE  
ON WEIGHT GAIN OF MALE ONGOLE CROSSBRED

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ABSTRACT

This research was conducted to determine the effect of using different basal diets between *King grass* and rice straw with supplementation of formulated concentrate on weight gain of Ongole Crossbred (OC) cattle. Sixth of OC were divided equally into two groups. The first group was given rice straw with supplementation of formulated concentrate and the second group was given *King grass* with the same concentrate. The formulation of concentrate contained : cassava pomace, molasses, cassava, *Leucaena* leaf meal, rice bran, *Ceiba pentandra* seed meal and soybean meal with comparison : 24:4:21:12:15:8:16%. Basal diets were given *ad libitum*. Weighing cattle was done once a week. The data were collected for 14 weeks and data from this research werw statistically analized using t-test. The results showed significant differences ( $P < 0.01$ ) on DM consumption (6.55 vs 5.48 kg/day or 103.18 vs 86.64 g/ $W^{0.75}$ /day), CP consumption (0.55 vs 0.66 kg/day or 8.54 vs 10.38 g/ $W^{0.75}$ /day), TDN consumption (3.14 vs 3.55 kg/day or 49.47 vs 56.10 g/ $W^{0.75}$ /day) and weight gain (0.48 vs 0.59 kg/day), whereas significant different ( $P < 0.05$ ) on feed conversion (14.43 vs 9.29). From the results, it can be concluded that supplementation of concentrate on *King grass* was given higher weight gain than rice straw with concentrate toward OC cattle moreover rice straw with 30 g/ $W^{0.75}$ /day supplmentation of concentrate could meet the nutrient requirement for 0.5 kg average daily gain/day.

(Key words : Formulated Concentrate, *King grass*, Ongole Crossbred Cattle, Rice Straw, Weight Gain)