PENGARUH PEMBERIAN JERAMI PADI FERMENTASI DAN *UREA MULTINUTRIENTS MOLASSES* BLOCK TERHADAP PERFORMAN SAPI POTONG INDUK

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INTISARI

Penelitian ini bertujuan untuk mengetahui pengaruh pemberian pakan jerami padi ferinentasi dan UMMB terhadap performan sapi potong induk. Ternak yang digunakan dalam penelitian ini adalah sapi potong induk dengan jumlah 12 ekor yang dibagi secara acak menjadi empat perlakuan yaitu PI(pakan basal sesuai dengan yang diberikan peternak), P2 (PI ditambah obat cacing), P3 (PI ditambah UMMB), dan P4 (jerami padi fermentasi, UMMB, dan obat cacing). Variabel yang diamati meliputi komposisi kirnia pakan, konsumsi pakan, pertambahan bobot badan, jumlah telur cacing dan *body condition score* (BCS). Hasil yang diperoleh dianalisis statistik dengan menggunakan rancangan acak pola searah, kecuali pada jumlah telur cacing dianalisis dengan pola faktorial 4x3 dan apabila berbeda nyata dilanjutkan dengan uji *Duncan's multiple range test* (DMRT). Hasil penelitian menunjukkan bahwa konsumsi pakan pada PI, P2, P3, dan P4 tidak berbeda nyata (P<0,05)berturut-turut terhadap konsumsi BK(122,60, 130,09, 130,24, 134,06 g/kgBBM), BO(99,22, 105,70, 107,53, 108,22 g/kg BBM), dan SK(34,65, 36,55, 35,48, 34,09 g/kg BBM), kecuali untuk PK (7,56, 8,21, 8,51, 10,08 g/kg BBM) dan TDN dimana PI berbeda nyata (P<0,05) dengan P4(57,41, 61,11, 61,28, 69,30 g/kg BBM). Pertambahan bobot badan tidak berbeda nyata (P<0,05)(-0,27,0,003,-0,12,-0,05 kg/hari). Untuk BCS menunjukkan perbedaan yang nyata (P<0,05)pada perlakuan P3 dengan P2 (2,66, 3,66, 2, 2,66). Hasil analisis jumlah telur cacing dalam feses untuk PI, P2, P3, dan P4 tidak berbeda nyata (P<0,05), sedangkan untuk periode waktu pengambilan sampel hari ke-0 berbeda nyata (P<0,05) dengan hari ke-10 dan hari ke-30. Disimpulkan pemberian pakan jerami padi fermentasi dan UMMB tidak menaikkan berat badan dan BCS sapi potong induk. Pemberian obat cacing tidak cukup hanya sekali supaya hasilnya lebih optimal.

Kata Kunci : Sapi, Jerami Padi Fermentasi, UMMB, Obat Cacing, Konsumsi Pakan, Berat Badan

THE EFFECT OF FERMENTED STRAW AND *UREA MULTINUTRIENTS MOLASSES BLOCK* TO THE PERFORMANCE OF COWS

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ABSTRACT

This study was aim to know the effect of fermented straw and urea multinutrients molasses block(UMMB) to the performance of cows. The cattle that used in this experiment were cows. Twelve cows, were divided randomly into four treatments diet groups. They were PI (fed basal diet as given by farmers), P2(PI added with anthelmetic), P3(P1 added with UMMB), and P4(fermented straw, UMMB, and anthelmetic). The variables use of this study were feed of chemical composition, feed consumption, egg per gram, average daily gain (ADG),and body condition score (BCS). The data were analyzed with analysis of variance using completely randomized design ables, except for the data of egg per gram was analyzed with factorial analysis 4x3 and the different variables values affected by treatment were analysed by Duncan's multiple range test (DMRT). This result showed that feed consumption on PI, P2, P3, and P4 were not significantly different with dry matter (DM) (122.60, 130.09, 130.24, 134.06 g/kg $W^{0.75}$), organic matter (OM) (99.22, 105.70, 107.53, 108.22 g/kg $WQ^{.75}$), and crude fiber (CF) (34.65, 36.55, 35.48, 34.09 g/kg $W^{0.75}$), except in crude protein (CP) (7.56, 8.21, 8.51, 10.08 g/kg $W^{0.75}$), and TDN (57.41, 61.11, 61.28, 69.30 g/kg $W^{0.75}$)for PI with P4. For average daily gain showed not significantly different (PC0.05)(-0.27, 0.003, -0.12, -0.05 kg/days), and for BCS showed significantly different (PC0.05) in P3 with P4(2.66, 3.66, 2, 2.66). The result of egg per gram for all treatment were not significantly different (P<0.05), but for the first samples period was significantly different (P<0.05) with the 10^{th} and 30^{th} days samples. It could be concluded that fermented straw and UMMB could not increased the body weight and body condition score of cows. The used of anthelmetic must given more than one time so the result more better.

Key Words: Cows, Fermented Straw, UMMB, Anthelmetic, Feed Consumption, Body Weight