

**PENGARUH PENAMBAHAN *MINERAL PREMIX ENRICHED WITH ESSENTIAL OIL* PADA RANSUM PEDET BRAHMAN CROSS TERHADAP SUSUT BOBOT BADAN DAN *RECOVERY* PASCA TRANSPORTASI**

**Adnan Prasetyo**  
**13/346332/PT/06506**

**INTISARI**

Penelitian ini bertujuan untuk mengetahui pengaruh penambahan *mineral premix enriched with essential oi (MPEEO)* yang ditambahkan pada ransum terhadap penyusutan bobot badan dan kecepatan *recovery* pasca transportasi. Total 24 ekor sapi Brahman Cross dibagi menjadi dua perlakuan kontrol (P0) dan perlakuan (P1), masing-masing terdiri dari 12 ekor. *MPEEO* ditambahkan pada ransum dan air minum 5 hari sebelum pengangkutan (H-5), dan 21 hari masa *recovery*. Sapi diangkut menggunakan truk dari PT. Pasir Tengah, Cianjur, Jawa Barat menuju peternakan rakyat di Kalibawang, Kulon Progo, Yogyakarta dengan jarak tempuh Cianjur-Yogyakarta (546 KM) selama 15 jam. Ternak tidak mendapatkan pakan dan minum selama perjalanan. Parameter yang diamati adalah bobot awal sebelum diangkut (BB H), bobot akhir setelah diangkut (BB H1), bobot pasca *recovery* (BB H21), bobot yang hilang selama pengangkutan, pertambahan bobot selama *recovery*, dan konsumsi bahan kering (BK). Data P0 dan P1 dianalisis dengan *independent sample studen't test*. Hasil penelitian menunjukkan bahwa pemberian *MPEEO* tidak berpengaruh ( $P>0,05$ ) terhadap Susut bobot, Konsumsi BK, *gain*, dan presentase *recovery*. Rerata susut bobot kontrol dan perlakuan adalah  $4.5\pm 1.03$ kg dan  $3.68\pm 1.31$ kg. *Gain* fase *recovery* adalah  $14.10\pm 2.74$ kg dan  $13.35\pm 3.84$ kg, sedangkan konsumsi BK adalah 2.49 dan 2.51, dan presentase *recovery* adalah 416% dan 330%. Disimpulkan bahwa pemberian *MPEEO* tidak berpengaruh terhadap susut bobot dan kecepatan *recovery* antara ternak kontrol dan perlakuan sama baik.

Kata kunci: Sapi potong, *MPEEO*, Susut bobot, *Recovery*

**INFLUENCE OF ADDITIONAL MINERAL PREMIX ENRICHED  
WITH ESSENTIAL OIL ON BRAHMAN CROSS FEED ON  
BODY WEIGHT LOSS AND RECOVERY OF  
POST TRANSPORTATION**

**Adnan Prasetyo**  
**13/346332/PT/06506**

**ABSTRACT**

This study aimed to determine the effect of addition of mineral premix enriched with essential oil added to the ration of weight loss and post-transport recovery speed. A total of 24 Brahman Cross cows were divided into two control treatments (P0) and treatment (P1), each consisting of 12 heads. Mineral premix enriched with essential oil (MPEEO) was added to the ration and drinking water 5 days prior to transport (H-5), and 21 days of recovery time. Cattle were transported by truck from PT. Pasir Tengah, Cianjur, West Java to a community farm in Kalibawang, Kulon Progo, Yogyakarta with Cianjur-Yogyakarta (546 KM) distance for 15 hours. Cattle did not get feed and drink during the transport. The observed parameters were pre-transported weight (BB H-1), final weight after transport (BB H0), post-recovery weight (BB H21), weight loss during transport, weight gain during recovery, and dry matter consumption (DM). Data P0 and P1 were analyzed with independent sample student's t test. The results showed that the administration of MPEEO had no effect ( $P > 0.05$ ) on weight loss, consumption of DM, gain, and percentage recovery. Average of shrinkage of control and treatment weight was  $4.5 \pm 1.03$  kg and  $3.68 \pm 1.31$  kg. Gain recovery phases were  $14.10 \pm 2.74$  and  $13.35 \pm 3.84$ , while the consumption of DM is 2.49 and 2.51, and the recovery percentage were 416% and 330%. It is concluded that MPEEO had no effect on the weight loss and recovery rate.

Key words: Cattle, MPEEO, Weight loss, Recovery