

## ABSTRAK

### **PENGGUNAAN *MULTI NUTRIENT SAUCE* (MNS) DAN INDIGOFERA DALAM RANSUM KOMERSIAL DAN PENGARUHNYA TERHADAP PERTAMBAHAN BOBOT TUBUH, KONSUMSI RANSUM, DAN KONVERSI RANSUM**

Oleh

**DIAH PERMATA HATI**

Penelitian ini bertujuan untuk mengetahui pengaruh penggunaan *multi nutrient sauce* dan indigofera pada ransum terhadap pertambahan bobot tubuh, konsumsi ransum, dan konversi ransum pada sapi potong. Penelitian ini dilaksanakan pada September 2022--November 2022 di Desa Negeri Katon, Kecamatan Negeri Katon, Kabupaten Pesawaran, Provinsi Lampung. Penelitian ini dilakukan menggunakan Rancangan Acak Kelompok (RAK) dengan 3 perlakuan dan 4 kelompok, dengan menggunakan 12 sapi potong. Perlakuannya adalah R1; Ransum Basal (Konsentrat *Grumi Feed A*) 60% + Hijauan (silase tebon jagung) 40%, R2; R1 + *multi nutrient sauce* 6,45 %, R3; R2 + Indigofera 10%. Hasil penelitian pada konsumsi ransum sapi potong sebesar (R1 10,80 ± 0,90; R2 11,23 ± 1,78; dan R3 11,65 ± 1,35) kg/hari, hasil pada pertambahan bobot badan sapi potong sebesar (R1 1,29 ± 0,32; R2 0,71 ± 0,28; dan R3 1,40 ± 0,19) kg/hari, hasil pada konversi ransum sapi potong sebesar (R1 9,75 ± 4,79; R2 16,79 ± 3,34; dan R3 8,44 ± 1,63). Hasil penelitian menunjukkan bahwa interaksi perlakuan tidak berpengaruh nyata ( $P > 0,05$ ) terhadap konsumsi ransum, pertambahan bobot tubuh, dan konversi ransum.

**Kata kunci** : Indigofera, konsumsi ransum, konversi ransum, *multi nutrient sauce*, pertambahan bobot tubuh, sapi potong.

## **ABSTRACT**

### **USE OF MULTI NUTRIENT SAUCE (MNS) AND INDIGOFERA IN COMMERCIAL RATIONS AND THEIR EFFECT ON BODY WEIGHT GAIN, RATION CONSUMPTION, AND RATION CONVERSION**

**By**

**Diah Permata Hati**

This study aims to determine the effect of the use of multi nutrient sauce and indigofera on rations on body weight gain, ration consumption, and ration conversion in beef cattle. This research was conducted in September 2022--November 2022 in Katon State Village, Katon State District, Pesawaran Regency, Lampung Province. This study was conducted using Group Randomized Design (RAK) with 3 treatments and 4 groups, using 12 beef cattle. The treatment is R1; Basal Ration (Grumi Feed A Concentrate) 60% + Forage (silage Tebon corn) 40%, R2; R1 + multi nutrient sauce 6.45 %, R3; R2 + Indigofera 10%. The results of the study on beef cattle ration consumption amounted to (R1  $10.80 \pm 0.90$ ; R2  $11.23 \pm 1.78$ ; and R3  $11.65 \pm 1.35$ ) kg/day, yield on beef cattle weight gain of (R1  $1.29 \pm 0.32$ ; R2  $0.71 \pm 0.28$ ; and R3  $1.40 \pm 0.19$ ) kg/day, the result on beef cattle ration conversion was (R1  $9.75 \pm 4.79$ ; R2  $16.79 \pm 3.34$ ; and R3  $8.44 \pm 1.63$ ). The results showed that the treatment interaction had no real effect ( $P > 0.05$ ) on ration consumption, body weight gain, and ration conversion.

**Kata kunci** : Indigofera, ration consumption, ration conversion, multi nutrient sauce, body weight gain, beef cattle.