

## ABSTRAK

### **PENGARUH PENGGUNAAN PRODUK SUPLEMEN *MULTI NUTRIENT SAUCE* (MNS) TERHADAP KONVERSI RANSUM DAN *INCOME OVER FEED COST* KAMBING JAWARANDU**

Oleh

**Darwan Sani**

Penelitian ini bertujuan untuk mengetahui pengaruh penggunaan suplemen *multi nutrient sauce* (MNS) terhadap konversi ransum dan *income over feed cost* (IOFC) kambing Jawarandu. Penelitian ini dilaksanakan pada Maret--April 2025 yang berlokasi di Desa Dayamurni, Kecamatan Tumijajar, Kabupaten Tulang Bawang Barat. Penelitian ini dilakukan menggunakan Rancangan Acak Kelompok (RAK) terdiri dari 3 perlakuan dan 5 ulangan, dengan menggunakan 15 ekor kambing Jawarandu jantan. Perlakuan yang digunakan yaitu P0: ransum basal, P1: ransum basal + 2,5% MNS, P2: ransum basal + 5% MNS. Data yang diperoleh dianalisis menggunakan *analysis of variance* (ANOVA). Hasil penelitian pada konversi ransum masing-masing perlakuan sebesar P0=150,96±42,05; P1=85,40±19,78; dan P2=68,20±22,31 g/ekor/hari dan pada IOFC sebesar P0=0,71±0,21; P1=1,02±0,24; dan P2=1,11±0,26. Disimpulkan bahwa penggunaan suplemen dapat meningkatkan konversi ransum dan IOFC kambing Jawarandu.

**Kata Kunci:** *Income Over Feed Cost*, Kambing Jawarandu, Konversi Ransum, *Multi Nutrient Sauce*

## **ABSTRACT**

### **EFFECT OF MULTI NUTRIENT SAUCE (MNS) SUPPLEMENTATION ON FEED CONVERSION AND INCOME OVER FEED COST IN JAWARANDU GOATS**

**By**

**Darwan Sani**

This study aimed to determine the effect of using Multi Nutrient Sauce (MNS) supplement on feed conversion and income over feed cost (IOFC) in Jawarandu goats. The research was conducted from March to April 2025 in Dayamurni Village, Tumijajar District, Tulang Bawang Barat Regency. The study used a Randomized Block Design (RBD) consisting of 3 treatments and 5 replications, using 15 male Jawarandu goats. The treatments were as follows: P0 = basal ration, P1 = basal ration + 2.5% MNS, and P2 = basal ration + 5% MNS. The data obtained were analyzed using analysis of variance (ANOVA). The results showed that the feed conversion values for each treatment were P0 =  $150.96 \pm 42.05$ ; P1 =  $85.40 \pm 19.78$ ; and P2 =  $68.20 \pm 22.31$  g/head/day, while the IOFC values were P0 =  $0.71 \pm 0.21$ ; P1 =  $1.02 \pm 0.24$ ; and P2 =  $1.11 \pm 0.26$ . It can be concluded that the use of MNS supplements can improve feed conversion and IOFC in Jawarandu goats.

**Keywords:** Income Over Feed Cost, Jawarandu goat, Feed Conversion, Multi Nutrient Sauce