

**EFFECT OF BARNACLE MEAL (*Cirripedia sp.*) AS A FISH MEAL
SUBSTITUTION ON FEED CONSUMPTION, BODY WEIGHT GAIN
AND FEED CONVERSION RATIO OF REX BUCK**

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ABSTRACT

The aim of this study was to determine the effect of barnacle meal (*Cirripedia sp.*) as a fish meal substitution on feed consumption, body weight gain and feed conversion ratio of *Rex* buck. The experimental design used was Completely Randomized Design (CRD) with 4 treatments and 5 repetitions each. The experimental animals used for this research 20 *Rex* buck aged 3-4 months. The treatments used in feed were P0 (complete feed 100% with 15% fish meal), P1 (complete feed 100% with 12.5% fish meal and 2.5% barnacle meal), P2 (complete feed 100% with 10% fish meal and 5% barnacle meal), P3 (complete feed 100% with 7.5% fish meal and 7.5% barnacle meal). The data was recorded at the fourth week after observation based on feed consumption, body weight gain, and feed conversion ratio. Data were analyzed with ANOVA (*Analysis of Variance*). Average of feed consumption of P0 to P3 were 115,54; 113,09; 114,74 and 113,31 g/head/day. Average of body weight gain of P0 to P3 were 19,99; 20,79; 20,61 and 20,65 g/head/day. Average of feed conversion ratio of P0 to P3 were 5.82; 5.49; 5.58; 5.49. The result showed with no significant difference ($p>0.05$) based on feed consumption, body weight gain, and feed conversion ratio in *Rex* buck.

Keywords : *Rex* buck, Barnacle meal, Feed conversion ratio, Feed substitution.