THE EFFECT OF BARNACLES MEAL (*Cirripedia sp*.) AS A SOURCE OF PROTEIN FEED SUBSTITUTION TO FINAL WEIGHT, CARCASS PERCENTAGE, AND ABDOMINAL FAT OF ***REX*** BUCK

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Abstract

This study aimed to determine the effect of barnacle meal (*Cirripedia sp.*) as feed substitution feed from fish meal on *rex* buck, as observed from final weight, percentage of carcass, and abdominal fat of *rex* buck. *Rex* buck was placed in individual cages with feed that had been adjusted to their needs, the comparison of barnacle meal and fish meal in each trearment were P0 (fish meal 15% + barnacle meal 0%), P1 (fish meal 12,5% + barnacle meal 2,5%), P1 (fish meal 10% + barnacle meal 5%), dan P3 (fish meal 7,5% + barnacle meal 7,5%). Data collection was carried out after a maintenance period and *rex* buck were sacrificed after maintenance for 28 days, with variabel observed for final weight, percentage of carcass and abdominal fat of *r ex* buck. This study used completely randomized design with four treatment and five replications in each treatment so that the total number of *rex* buck used was twenty. The result of the research were analysis of variance (ANOVA) with significance level 5%. Based on the result of the analysis showed that there were no significantly difference ($p>0,05$) on final weight, percentage of carcass, and abdominal fat in each treatment group. Barnacle meal can be used as a feed for fish meal substitution in *complete feed* for rex buck up to 7,5%.

Key words: Abdominal fat, Barnacle meal, Carcass percentage, Feed Substitution, and Final weight