THE POTENTIAL OF BIOFERMENTOR
TO CRUDE FIBER, ORGANIC MATTER AND NFE CONTENT
OF RAMBUTAN (Nephelium lappaceum) PEEL
AS ALTERNATIVE FEED STUFF

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ABSTRACT

Rambutan is an Indonesian fruit which has a high production annually. Rambutan production, leaving waste problem, one of it is the rambutan peel. Rambutan peel could potentially be an alternative feed, because rambutan peel contains nutrients that needed by livestock. However rambutan peel can not be directly fed to livestock because of low nutritional quality and still had an anti-nutritional substances. This study were use materials rambutan peel, biofermentor and mollases to degradation of cellulose in rambutan peel, then fermented by biofermentor for ten days. The purpose of this research are to analyze the effect of fermentation on the crude fiber content, organic matter and NFE of rambutan peel. The experimental design consisted of four treatments of biofermentor doses that are P0(0%), P1(4%), P2(6%), P3(8%) with doses of mollases 2% for all treatment and five replications.. Data were analyzed statistically by analysis of variance, and followed by Duncan's Multiple Range Test. The results of this study were the used of biofermentor 4%, 6% and 8% has a significant influence on crude fiber decrease, organic matter and NFE were improve. The optimal dose in this study were the P2 treatment, with a dose of 6% biofermentor.

Keywords: Crude Fiber, Organic Matter, NFE, Rambutan peel.