

**THE EFFECT OF NATURAL PROBIOTIC TO CRUDE FIBRE AND
CRUDE PROTEIN CONTENT OF COGON GRASS FERMENTATION
PRODUCT THAT GIVEN MOLASSES 2%**

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ABSTRACT

This research was aimed to identify the effect of natural probiotic to crude fibre and crude protein content of cogon grass fermentation product that given molasses 2% as ruminant's feed alternative in the dry season. There were four treatments (P0, P1, P2, and P3) and five replicates. P0 (control) was a mixture of cogon grass and molasses 2%. P1 was a mixture of cogon grass, natural probiotic 2%, and molasses 2%. P2 was the mixture of cogon grass, natural probiotic 4%, and molasses 2%. P3 was the mixture of cogon grass, natural probiotic 6%, and molasses 2%. Each treatment needed 500 grams dried cogon grass cut in 2-5 cm. Proximate analysis was done to investigate its content. The obtained data were analyzed using the analysis of variance statistic method and if there were differences among the treatments, the Duncan's multiple range 5% test was used. The result showed that natural probiotic and molasses could decrease the crude fibre and increase the protein content of cogon grass fermentation product. It could be concluded that natural probiotic 4% was effective and efficient for cogon grass fermentation product.

Key words : cogon grass, natural probiotic, molasses, crude protein, crude fibre