POTENTIAL PROBIOTICS FOR IMPROVED NUTRITION AGAINST DRY SUGARCANE LEAVES FERMENTED

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ABSTRACT

Policy development of animal husbandry has basically synergistic correlation with agricultural businesses, considering agricultural waste in substance is the raw material feed for the farm. Sugarcane (Saccharum officinarum L.) is a strategic agricultural commodities that provide many side products both on farm and off-farm average crop waste such as sugar cane shoots at 30.8 tonnes / ha / year and has a low nutritional value. One method that is often used to increase the nutritional value of the agricultural byproducts is by fermentation. The purpose of this research is to prove the effect of probiotic bacteria cellulolytic on crude protein and crude fiber fermentation of sugar cane leaves dry. The data analysis used was ANOVA (analysis of variance) and continued by HSD (honestly significant difference). The results showed that the addition of probiotics to the optimal dose of 0.8% in the fermentation process of dry sugarcane leaves can increase the crude protein with an average ratio of 8.86595 % and lower crude fiber with an average ratio of 36.88411 %.

Key words: Dry Sugarcane Leaves, Fermentation, Nutrition, Probiotics