

ABSTRACT

EFFECT OF ADDITION OF VARIOUS TYPES OF SOURCES OF CARBOHYDRATE IN VEGETABLES WASTE SILAGE ON CRUDE FAT, CRUDE FIBER, CRUDE PROTEIN CONTENT AND NON NITROGEN FREE EXTRACT

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The purpose of this research was to compare the effect of addition of some source of carbohydrate in the fermentation of the vegetable waste silage. This research use Completely Randomized Design (CRD) with four treatments by adding source of carbohydrate as accelerator (rice brain, cassava flour, molasses and silage without the addition of accelerators) and three repetition. Data was analyzed by Analysis of Varians and continued with Least Significant Difference Test (LSD) 0,01 or 0,05. The result of this research showed that vegetable waste silage by adding different carbohydrate sources has highly significant ($P < 0,01$) to the crude protein, crude fat content, and non nitrogen free extract of vegetable waste silage while the crude fiber content has not significant effect ($P > 0,05$). The best treatment for crude protein and crude fat contents of vegetable waste silage by addition of rice brain and cassava flour for nitrogen free extract

Keywords :silage, rice brain, cassava flour, molasses, waste silage, nutrition content