

ABSTRACT

THE EFFECT OF ADDITIONING CASSAVA FLOUR WITH DIFFERENT LEVEL AGAINST TO NUTRITION CONTENT OF VEGETABLE WASTE SILAGE

By

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The purpose of this research was determined to: 1) the effect of additioning cassava flour with different level against to the nutrition qualities (fat, fiber, protein, and NFE) of vegetable waste silage; 2) the best additioning of cassava flour against to the nutrition qualities (fat, fiber, protein, and NFE) of vegetable waste silage. This research used Completely Randomized Design (CRD) with five treatments by adding cassava flour as accelerator (0%, 5%, 10%, 15%, and 20%) with three repetition. Data were analyzed with Analysis of Varians and continued with Least Significant Difference Test (LSD) 0,05. The result of this research showed that waste vegetable silage with different level adding of cassava flour was highly significant ($P < 0,05$) to the nutrition qualities (fat, fiber, protein, and NFE) of vegetable waste silage. The best treatment for protein contents of vegetable waste silage was addition by 0% cassava flour, 20% for fiber and NEF, and 15% for fat.

Keywords: silage, dried cassava flour, waste vegetable, nutrition content