

**CRUDE FIBER AND ORGANIC SUBSTANCE CONTENT ON THE
SUGARCANE TOP SILAGE (*Saccharum officinarum*, Linn) WITH ADDED
*Lactobacillus plantarum***

Nanik Hidayatik

ABSTRACT

Ensiling was one solution for handle lack of forage at dry season in tropical area. Sugarcane top is one of crop residues conserved as silage. The aim of this study were to determine the effect of added *Lactobacillus plantarum* to sugarcane top silage with different variation of inoculants (0%, 0.1%, 0.3% and 0.5%) with 5% molasses as additive, and incubated for 30 days. The silage of P₂ had significant decrease crude fiber between 33.86 – 36.74 % compared to the P₀, but not significant compared to the P₁ and P₃. The highest organic substance in P₀ had significant compared to the P₁ and P₂, but not significant compared to the P₃. The low pH in P₂ between 3.97 - 4.35 had significant compared to the P₀, but not significant compared to the P₁ and P₂.

Key words : silage, sugarcane top, lactic acid bacteria, *Lactobacillus plantarum*.