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

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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, lactid acid bacteria, Lactobacillus plantarum.