

ABSTRACT

THE ADDING OF UREA, *Phanerochaete chrysosporium*, AND *Trametes* sp.
TO THE CONTAIN OF CRUDE FIBER OF LEAVES STEM OF OIL PALM AS
PASTURE FEEDING

By
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This research intends to: (1) decrease the contain of crude fiber and Neutral Detergent Fiber as alternative feeding of pasture substitution which has good quality : (2) know the treatment of the adding of urea, *Phanerochaete chrysosporium* and *Trametes* sp. To degradation of crude fiber and neutral detergent fiber of leaves of oil palm as pasture feeding.

This research was held on March up to August 2011, located in laboratory of Nutrition and Animal Feeding Department of Animal Husbandry Faculty of Agriculture University of Lampung. This research was done by using Completely Randomized Design with four treatment and three repetitions. The feeding treatment given is; P0 : leaves stem of oil palm without adding or controlling ; P1 : leaves stem of oil palm + urea; P2 : leaves stem of oil palm + *Phanerochaete chrysosporium* inoculum; P3 : leaves stem of oil palm + *Trametes* sp. Inoculum the gotten data was analyzed by Variance analysis on real level of 5 % and continued by Orthogonal Contrast test on real level of 5%.

The result of this research of leaves stem fermentation of oil palm showed that the adding of urea, *Phanerochaete chrysosporium* and *Trametes* sp. on leaves stem fermentation of oil palm don't influence to the contain of NDF, but influence to the crude fiber of fermented leaves stem of oil palm. The contain of crude fiber of fermented leaves stem of oil palm will be the lowest and if either *Phanerochaete chrysosporium* or *Trametes* sp. Was added