KANDUNGAN FRAKSI SERAT SILASE PAKAN KOMPLIT BERBAHAN DASAR JERAMI JAGUNG DENGAN LAMA FERMENTASI YANG BERBEDA

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INTISARI[*)]

Penelitian ini bertujuan untuk mengetahui lama fermentasi yang berbeda terhadap kandungan fraksi serat silase pakan komplit berbahan dasar jerami jagung. Penelitian ini dilakukan pada tanggal 4 Oktober – 28 Oktober 2018, yang dilaksanakan di dua tempat. Pelaksanaan pembuatan silase pakan komplit berbahan dasar jerami jagung didusun Santren Jl.Gejayan no 36 B, Catur Tunggal, Depok,Sleman, Yogyakarta sedangkan untuk analisis kandungan fraksi serat di laboratorium CV. Chem-Mix Pratama Bantul Yogyakarta. Penelitian ini menggunakan Rancangan Acak Lengkap (RAL) pola searah yang terdiri dari 4 perlakuan masing-masing perlakuan terdiri 3 ulangan. Perlakuan P0 silase tanpa fermentasi, P1 silase fermentasi 7 hari, P2 fermentasi 14 hari, dan P3 fermentasi 21 hari. Variabel yang diamati adalah nilai fraksi serat (hemiselulosa, selulos adan lignin). Data hasil penelitian dian alisa dengan analisis variansi dan untuk mengetahui perbedaan diantara perlakuan dilakukan uji lanjut yaitu *Duncan's New Multiple Range Test* (DMRT). Hasil penelitian menunjukkan bahwa lama fermentasi berpengaruh nyata ($P<0,05$) terhadap kandungan hemiselulosa P0 39,58%, P1 37,61%, P2 34,60%, P3 31,62; selulosa P0 17,51%, P1 15,69%, P2 13,20%, P3 12,86% dan lignin P0 9,53%, P1 8,50%, P2 5,29%, P3 4,90%. Berdasarkan hasil penelitian dapat disimpulkan bahwa kandungan fraksi serat silase pakan komplit berbahan dasar jerami jagung terbaik pada fermentasi 21 hari.

Kata kunci **:** Jerami Jagung, Silase Pakan Komplit, fraksi serat, Lama Fermentasi.

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FIBER FRACTION CONTENT OF SILAGE COMPLETE FEED BASED ON CORN STRAW WITH DIFFERENT FERMENTATION DURATION

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ABSTRACT*)

This research aimed to determine the fermentation duration to the fiber fraction content of silage complete feed based on corn straw. This research was conducted on 4 October – 28 October, 2018, which was held in two places. Implementation fiber fraction content of silage complete feed based on corn straw was done in Santren Jl. Gejayan no 36 B, Catur Tunggal, Depok,Sleman, Yogyakarta for sample fermentation, while for fiberfraction content analysis at CV. Chem-Mix Pratama Bantul Yogyakarta. This research method used was experimental, using Completely Randomized Design (CRD) with 4 treatments and 3 replications. Treatments of P0 silage without fermentation, P1 silage fermentation 7 days, P2 silage fermentation 14 days, P3 silage fermentation 21 days.The variables observed were fiber fraction (hemicellulose, cellulose and lignin). The research results were analyzed by variance analysis and followed by Duncan's New Multiple Range Test (DMRT). The results of the analysis of variance showed that the fermentation period significantly affected (P<0,05) the hemiselulosa P0 39,58%, P1 37,61%, P2 34,60%, P3 31,62; selulosa P0 17,51%, P1 15,69%, P2 13,20%, P3 12,86% and lignin P0 9,53%, P1 8,50%, P2 5,29%, P3 4,90%. Based on the results research it was concluded that the best fiber fraction content of silage complete feed based on corn straw at 21 days fermentation duration.

Keywords: Corn Straw, Complete feed Silage, Fiber fraction, Fermentation duration.

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