

**PENGARUH LEVEL SUPLEMENTASI BAHAN ADITIF TERHADAP  
KUALITAS NUTRIEN JERAMI JAGUNG FERMENTASI**

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**INTISARI\*)**

Penelitian ini bertujuan untuk mengetahui pengaruh level suplementasi bahan aditif terhadap kualitas nutrisi jerami jagung fermentasi. Penelitian ini dilaksanakan tanggal 20 Oktober 2019 sampai 24 Mei 2020 di Laboratorium Chem-Mix Pratama Yogyakarta. Penelitian ini menggunakan Rancangan Acak Lengkap (RAL) pola searah, perlakuan yang digunakan yaitu terdiri dari 4 level pemberian Pollard (P0 0%, P1 2,5%, P2 5% dan P3 7,5%), masing-masing perlakuan diulang 3 kali. Data dianalisis menggunakan Analysis of Variance (ANOVA), jika ada perbedaan nyata dilanjutkan dengan uji Duncan's New Multiple Range Test (DMRT). Peubah yang diamati yaitu suhu, kadar protein kasar, kadar lemak kasar, kadar serat kasar, kadar abu dan bahan ekstrak tanpa nitrogen. Hasil penelitian menunjukkan level penambahan pollard berpengaruh nyata ( $P < 0,05$ ) terhadap kadar protein kasar, kadar lemak kasar, kadar serat kasar, kadar abu dan bahan ekstrak tanpa nitrogen. Berdasarkan hasil penelitian dapat disimpulkan bahwa penambahan pollard 7,5% menghasilkan kualitas nutrisi fermentasi jerami jagung terbaik.

**Kata kunci :** Jerami jagung, kualitas nutrisi, fermentasi, bahan aditif, level suplementasi.

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**LEVEL SUPPLEMENTATION EFFECT OF THE QUALITY OF  
MATERIAL ADDITIVES NUTRIENT FERMENTATION CORN STRAW**

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**ABSTRACT\*)**

This study aimed to determine the effect of supplementation levels of additives to the nutrient quality of corn straw fermentation. This study was conducted on October 20, 2019 until May 24, 2020 in Chem Lab-Mix Primary Yogyakarta. This study uses a completely randomized design (CRD) unidirectional pattern, the treatment used is comprised of four levels of administration Pollard (P0 0%, 2.5% P1, P2 and P3 5% to 7.5%), each treatment was repeated 3 time. Data were analyzed using Analysis of Variance (ANOVA), if there are real differences continued by Duncan's New Multiple Range Test (DMRT). The observed variables such as temperature, levels of crude protein, crude lipid content, fiber content, ash content and extract materials without nitrogen. resultExtra level pollard research shows a significant effect ( $P < 0.05$ ) levels of crude protein, crude lipid content, fiber content, ash content and extract materials without nitrogen. Based on the results of this study concluded that the addition of 7.5% pollard produce nutrient quality fermented corn straw best.

**Keywords** : Straw corn, quality of nutrients, fermentation, additives, levels of supplementation.

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