

KANDUNGAN SERAT KASAR DAN PROTEIN KASAR BEKATUL YANG DIFERMENTASI ACIDOTHERMUS CELLULOLYTICUS DAN ASPERGILLUS TERREUS DARI CAIRAN RUMEN SAPI

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Crude fibre, crude protein, rice brand, fermented, *Acidothermus cellulolyticus*, *Aspergillus terreus*

ABSTRACT

The aim of research was to study the crude fibre and crude protein of rice brand which were fermented *Acidothermus cellulolyticus* and *Aspergillus terreus* of liquid cattle rumen. Design study was completely randomized design with ten treatments and three replications. Ten treatment groups were P₀ was 250 g rice brand added 3 % molasses and B.0 % + J.0 % ; P₁ was 250 g rice brand added 3 % molasses and B.10 % + J.10 % ; P₂ was 250 g rice brand added 3 % molasses and B.20 % + J.10 % ; P₃ was 250 g rice brand added 3 % molasses and B.30 % + J.10 % ; P₄ was 250 g rice brand added 3 % molasses and B.10 % + J.20 % ; P₅ was 250 g rice brand added 3 % molasses and B.20 % + J.20 % ; P₆ was 250 g rice brand added 3 % molasses and B.30 % + J.20 % ; P₇ was 250 g rice brand added 3 % molasses and B.10 % + J.30 % ; P₈ was 250 g rice brand added 3 % molasses and B.20 % + J.30 % ; P₉ was 250 g rice brand added 3 % molasses and B.30 % + J.30 % . Proximate analysis were done after rice brand fermented for seven days. The data were analyzed with Analysis of Variance followed by Duncan's Multiple Range Test. The result showed that the effect of *Acidothermus cellulolyticus* and *Aspergillus terreus* could decrease crude fibre of rice brand, P₂ (28,9637 %), P₃ (29,2334 %), P₈ (29,4953 %), P₄ (29,6460 %), P₇ (30,2299 %), P₆ (30,3719 %), P₉ (30,5814 %) but were significantly higher (p<0,05) than P₅ (31,1002 %), P₁ (31,9793 %), P₀ (34,1067 %), could increase crude protein of rice brand, P₂ (13,97 %), P₅ (12,87 %), P₃ (12,84 %), P₈ (12,74 %) but were significantly higher (p<0,05) than P₇ (12,71 %), P₆ (12,44 %), P₄ (12,36 %), P₉ (12,27 %), P₁ (12,25 %), P₀ (10,9 %).

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