The Effects of Branched Chain Volatile Fatty Acids on Reduced Sugar and Branched Chain Amino Acid Concentration of Substrates that Fermented by Aspergillus oryzae

Title	The Effects of Branched Chain Volatile Fatty Acids on Reduced Sugar and Branched Chain Amino Acid Concentration of Substrates that Fermented by Aspergillus oryzae
Author Order	of
Accreditation	
Abstract	A study was conducted to know the reduced sugar and branched chain amino acids concentration in substrate that fermented by Aspergillus oryzae. Branched chain amino acids represent amino acids that are very important for microorganism development, including yeast and ruminal microorganism as well as for the growth of the ruminant animal. The study was conducted using Completely Randomized Design (CRD). There were five kinds of supplements that were added into the media. So, that this experiment were A: control, B: A + 0.5% urea, C: B + 1% extract of cassava leaves, D: C + 1% isobutyrate, and E: D + 1.3% 2-methilbutyrate. There were five replicates in each treatment. The measured variables in these study were, colonies cell biomass of A. oryzae, reduced sugar, Crude Protein, and branched chain amino acid concentration. The results showed that the highest number of colonies, concentration of reduce sugar, and concentration of branched chain amino acids was obtain from the substrate of treatments D. (Animal Production 4(2): 83-88 (2002)ÃƒÂ,Ã,Â Key words : Branched Chain Amino Acids, Branched Chain Volatile Fatty Acids, Aspergillus oryzae
Publisher Name	Universitas Jenderal Soedirman, Faculty of Animal Science, Purwokerto-Indonesia
Publish Date	2011-05-04
Publish Year	2002
Doi	
Citation	
Source	ANIMAL PRODUCTION
Source Issue	Vol 4, No 2 (2002): May
Source Page	
Url	http://animalproduction.net/index.php/JAP/article/view/50
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