

Effects of Cassava Pulp Fermentation by Yeast on Meat Goats Performances and Nitrogen Retention

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Abstract : Twenty-four male growing goats were randomly assigned to a Randomized Complete Block Design. Dietary treatments were different level of feeding concentrate diet at 1.0, 1.5, 2.0, and 2.5% of body weight (BW). The results showed that average daily gain, microbial N supply, N retention of meat goats in the group of feeding level at 2.0% BW and 2.5% BW were significantly higher ($P < 0.05$) than those goats fed with feeding levels of 1.0% BW and 1.5% BW. Based on this result the conclusion can be made that using 75% fermented cassava pulp by *Saccharomyces cerevisiae* as the main source of protein to completely replace soybean meal was beneficial to meat goats in terms of feed intake. The feeding concentrate at levels between 2.0-2.5% BW gives highest in the growth of meat goat in this experiment.

Keywords : cassava pulp, yeast, goat, nitrogen retention

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