Improving Quality of Local Feedstuff and Its Use for Fattening Of Peranakan Ongole (PO) Male Cattle

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Abstract	Rice straw is by-product have not fully been used to feed ruminant especially cattle because of low quality indicated by low nitrogen content and fermentable carbohydrates, while ligno cellulolytic and hemicellulytic bound are high. Those limitations will cause negative effect of rumen microorganism development and the cattle when they are fed it. Improving quality of rice straw should be done and one alternative of the treatments to solve these problems is ammoniation by using urea. Those treatments increase nitrogen content and its degradability in the rumen and also breakdown ligno cellulolytic and hemicellulytic, while fermentable carbohydrate as energy for rumen microbes is limited Therefore, the utilization of rice straw ammoniated should be supplemented with other feedstuff that high fermentable carbohydrates. Fresh cassava waste is by-product from cassava processing that still has remained of starch. It can be used as fermentable energy source for cattle fed rice straw ammoniated; however, the limitation of that feedstuff is high crude fibre. The objective of this research was to improve quality of fresh cassava waste by treating with fibrolytic enzymes as fermentable energy source on performances fattening of local male cattle fed rice straw ammoniated Sixteen 18 mouth old male local cattle of Peranakan Ongole (PO) were divided into 4 groups based on initial body weight as block. The average of body weight of each group was I = 250,5 kg, II = 218 kg, III = 204,5 kg, IV = 186,4 kg, therefore, Completely Randomised Block Design (CRBD) was used for this experiment. As treatments were kind of diets i.e. A, B, C and D. This diet A diet consisting of firsh cassava waste, copra meal, mineral mix and salt as concentrates with 14 CP. This diet was used as control (diet A). In treatment diet B, C and D were adding of fibrolytic enzyme to fresh cassava waste 12 hour before mixing to other feedstuff of concentrates for 0,75, 1,5 and 2,25 g/kg dry matter (DM), respectively. Variables measured were digestibility of
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Page Begin	132
Page End	138

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