

Biotransformasi Limbah Ikan Menjadi Bahan Pakan untuk Ruminansia

Title	Biotransformasi Limbah Ikan Menjadi Bahan Pakan untuk Ruminansia
Author Order	1 of 3
Accreditation	
Abstract	<p>Biotransformation of fish waste as feed matter for ruminant ABSTRACT. Fish waste (head, viscera and tails) which ensilage with <i>saccharomyces</i> sp and <i>lactobacillus</i> sp, had a high quality and protein content of about 53,18 \pm 0,83% and a good aroma. An experiment have been conducted by experimental method with in sacco trial and in vivo trial. The treatment tested were 4 kind of protein source : (1) fish waste silages mixed with tapioca ; (2) fish waste silages mixed with rice bran ; (3) soy bean kernels and (4) fish meal. The in sacco trial was carried out on 3 fistulated cows, to study the rate of protein degradability in the rumen. The in vivo trial was carried out by Completely Randomized Design on 16 heads of fat tail rams. The variable measured were: rumen fermentation product (VFA and N-NH₃); energy and protein digestibility; daily body weight gain of the rams. The experiment showed, that the source of protein use have no significantly effect upon VFA both on the VFA total and individual VFA (acetate, propionate and butyrate). The highest propionate reach by soya bean kernels (P 0.01). Based on the all variables measured, it was indicated the silage of fish waste can be used to substituted of soya bean kernels or fish meal in the ration of sheep.</p>
Publisher Name	Agricultural Faculty
Publish Date	2012-04-01
Publish Year	2012
Doi	DOI: 10.17969/agripet.v12i1.287
Citation	1
Source	Jurnal Agripet
Source Issue	Vol 12, No 1 (2012): Volume 12, No. 1, April 2012
Source Page	41-46
Url	http://www.jurnal.unsyiah.ac.id/agripet/article/view/287/273
Author	Dr Ir EFKA ARIS RIMBAWANTO, M.P