<u>Supplementation of Heit-Chrose into Dairy Cow Feed Improves in Vitro Rumen Fermentation</u>

Title	Supplementation of Heit-Chrose into Dairy Cow Feed Improves in Vitro Rumen Fermentation
Author Order	of
Accreditation	
Abstract	The objective of the study was to evaluate the effect of Heit-Chrose (HC) supplementation using in vitro method on ruminal fermentation of dairy cattle. HC is a feed supplement containing allicin, saponin and organic minerals (Se , Cr and Zn). $\tilde{A}f\hat{A}$, \tilde{A} , \tilde{A} This research was conducted using completely randomized design, with 6 treatments and 4 replications. The treatments were : 1). $C = \text{dairy cattle feed (CP 15.38\%, CF 23.38\%, TDN 61.26\%)}$; 2). $HC-0 = C+\tilde{A}f\hat{A}$, \tilde{A} , \tilde{A} organic minerals (0.3 ppm Se + 0.15 ppm Cr + 40 ppm Zinc-lysinat) + 0 ppm of HC; 3). $HC-15 = C + 15$ ppm HC; 4). $HC-30 = C+30$ ppm of HC; 5). $HC-45 = C+45$ ppm of $\tilde{A}f\hat{A}$, \tilde{A} , \tilde{A} HC; 6). $HC-60 = C\tilde{A}f\hat{A}$, \tilde{A} , \tilde{A} + 60 ppm of HC. Data obtained were analyzed using analysis of variance of SPSS program. HC supplementation increased the DMD, OMD, VFA, but reduced $\tilde{A}f\hat{A}$, \tilde{A} , \tilde{A} total gas, $\tilde{A}f\hat{A}$, \tilde{A} , \tilde{A} methane and $\tilde{A}f\hat{A}$, \tilde{A} , \tilde{A} protozoa count. $\tilde{A}f\hat{A}$, \tilde{A} , \tilde{A} HC supplementation greater than $\tilde{A}f\hat{A}$, \tilde{A} , \tilde{A} HC to dairy cow feed was the appropriate level to improve the efficiency of rumen fermentation. $\tilde{A}f\hat{A}$, \tilde{A} , \tilde{A}
Publisher Name Universitas Jenderal Soedirman, Faculty of Animal Science, Purwokerto-Indonesia	
Publish Date	2015-05-14
Publish Year	2015
Doi	DOI: 10.20884/1.anprod.2015.17.2.500
Citation	
Source	ANIMAL PRODUCTION
Source Issue	Vol 17, No 2 (2015): May
Source Page	76-82
Url	http://animalproduction.net/index.php/JAP/article/view/500
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