J Vet Sci Technol 2017, 8:6 (Suppl)
DOI: 10.4172/2157-7579-C1-031

The effect substitution of Napier grass with fermented oil palm frond by *Phanerochaete chrysosporium* in rations on digestibility of goat

Novirman Jamarun[1], Dewi Febrina[2], Mardiati Zain[1] and Khasrad[1]
[1]Andalas University, Indonesia
[2]State Islamic University Sultan Syarif Kasim, Indonesia

The objective of this study was to evaluate the effect of substitution of Napier Grass (NG) with fermented oil palm fronds (FOPFs) in rations on nutrient digestibility of goats. This research was carried out using a randomized block design with 5 treatments and 3 replications. The following treatment were performed: A=40% Napier grass (NG)+0% fermented oil palm fronds (FOPFs)+60% concentrate; B=20% NG+20% FOPFs+60% concentrate; C=0% NG+40% FOPFs+60% concentrate; D=20% NG+20% FOPFs+60% concentrate plus minerals P, S and Mg and E=0% NG + 40% FOPFs+60% concentrate plus minerals P, S and Mg. The data were subjected to analysis of variance (ANOVA) and differences between treatment means were tested by Duncan's Multiple Range Test (DMRT). The observed parameters were nutrients digestibility of goat. The results of the study concluded that substitution of Napier grass with FOPFs (the treatment E, i.e., 0% NG+40% FOPFs+60% concentrate plus minerals P, S and Mg) gave the best results because it produces the highest nutrients digestibility.

novirman55@gmail.com

Notes: