



KONSUMSI DAN KECERNAAN NUTRIEN KAMBING KACANG YANG MENDAPAT SUPLEMENTASI KALIANDRA DAN/ATAU BUNGKIL KEDELAI

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Nutrient Intake and Digestibility of Kacang Goat with *Calliandra calothyrsus* and Soybean Meal Supplementation

ABSTRACT

The aimed of the research was to determine nutrient intake and digestibility of Kacang goat by improving nutrition status based on calliandra calothyrsus and soybean meal combination. The study was conducted in individual pen, Faculty of Animal Science, Universitas Gadjah Mada. Twelve (12) female Kacang goats (\pm 3 years old) with average weight 18.5 kg were randomly placed in three group treatment with four replication for each treatment. Different combination of calliandra and soybean meal were: K (*Pennisetum purpureum* cv. Mott + 100% soybean meal); P1 (*Pennisetum purpureum* cv. Mott + 25% calliandra + 75% soybean meal); and P2 (*Pennisetum purpureum* cv. Mott + 100% calliandra). Total collection were carried out for twelve days. Parameters observed in the study were: dry matter (DM), organic matter (OM), crude protein (CP), crude fiber (CF), extract eter (EE), and total digestible nutrient (TDN). The result showed that feed consumption with 25% calliandra + 75% soybean meal was significant ($P < 0.05$) with nutrient intake in terms of organic matter, crude protein, non nitrogen extract, and TDN compared to other treatment. Furthermore, nutrient digestibility of 25% calliandra + 75% soybean meal (dry matter, organic matter, crude protein, crude fiber, crude fat, non nitrogen extract, and total digestible nutrient) was greater compared to other treatment. Overall, it can be concluded that Kacang goat fed with combination between 25% calliandra and 75% soybean meal can increase nutrient intake and digestibility.

Keyword :Soybean meal, Calliandra, Nutrient intake, Digestibility nutrient, Kacang goat