

## ABSTRAK

Penelitian bertujuan mengkaji kandungan lemak kasar dan kadar abu rumput Gajah mini diberi perlakuan kombinasi Pupuk Kandang asal sapi dan NPK. Materi penelitian terdiri dari 720 stek rumput Gajah mini yang ditanam di lahan seluas 278 m<sup>2</sup> dengan jarak tanam 0,75 m x 0,35 m. Metode penelitian yang digunakan eksperimental, dengan rancangan acak lengkap pola faktorial 3x4x3. Faktor pertama adalah pupuk kandang asal sapi (K) yaitu K<sub>0</sub>: 0 ton/ha; K<sub>1</sub>: 15 ton/ha dan K<sub>2</sub>: 30 ton/ha dan faktor kedua adalah pupuk NPK (M) yaitu M<sub>0</sub>: 0kg/ha; M<sub>1</sub>: 75kg/ha; M<sub>2</sub>: 150 kg/ha dan M<sub>3</sub>: 225 kg/ha. Peubah yang diukur adalah kadar lemak kasar dan kadar abu. Hasil analisis variansi menunjukkan interaksi pupuk kandang asal sapi dan NPK dengan level yang berbeda berpengaruh nyata pada kadar lemak kasar dan kadar abu (P<0.01). Pupuk kandang asal sapi berpengaruh nyata pada kadar lemak kasar dan kadar abu (P<0.01). Pupuk NPK tidak berpengaruh nyata pada kadar lemak kasar (P>0.05) tetapi berpengaruh nyata pada kadar abu (P<0.01). Kesimpulan kadar lemak kasar meningkat dengan pemberian kombinasi pupuk kandang asal sapi 15 ton/ha dan dengan pupuk NPK 150 kg/ha. Kadar abu meningkat dengan pemberian kombinasi pupuk kandang asal sapi 15 ton/ha dan dengan pupuk NPK 75kg/ha.

*Kata kunci : pupuk kandang, NPK, lemak kasar, kadar abu, rumput Gajah mini*

## ABSTRACT

The research aimed to explain the effect of manure and NPK combination on dwarf grass based on level of crude fat and ash content. Material used in this research were manure fertilizer, NPK brand Mutiara and 720 dwarf grass which initially planted in a total area of 278 m<sup>2</sup> with spacing of 0,75 m x 0,35 m. The method used 3 x 4 factorial experimental with a randomized block design. The first factor was manure (K) consisting of K<sub>0</sub>: 0 ton/ha; K<sub>1</sub>: 15 ton/ha dan K<sub>2</sub>: 30 ton/ha and the second factor was NPK (M) consisting of M<sub>0</sub>: 0kg/ha; M<sub>1</sub>: 75kg/ha; M<sub>2</sub>: 150 kg/ha dan M<sub>3</sub>: 225 kg/ha. Crude fat and ash of first defoliation were observed. The result of the research showed that the interaction between manure and NPK fertilizer has highly significant effect to the crude fat and ash content (P< 0.01), manure has highly significant effect to the crude fat and ash content (P< 0.01), NPK has'nt significant to the crude fat (P> 0.05) and NPK has highly significant (P< 0.01) to the ash content. The crude fat is increased on that is treatment of manure 15 ton/ha and NPK fertilizer 150 kg/ha. The ash content is increased on that is treatment of manure 15 ton/ha and NPK fertilizer 75 kg/ha.

*Keywords: dwarf grass, manure, NPK crude fat and ash content*