PENGARUH JENIS PUPUK KANDANG TERHADAP *PERFORMANCE* VEGETATIF RUMPUT GAJAH MINI (*Pennisetum purpureum* cv. Mott.) PADA PEMOTONGAN KEDUA DENGAN NAUNGAN YANG BERBEDA

ABSTRAK

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Tujuan dari penelitian ini adalah 1) mengetahui interaksi penggunaan naungan dan pemberian pupuk kandang terhadap *performance* vegetatif rumput gajah mini; 2) mengetahui pengaruh naungan dan jenis pupuk kandang terbaik terhadap *performance* vegetatif rumput gajah mini. Penelitian ini dilaksanakan pada Mare--Mei 2019 di Laboratorium Lapang Terpadu, Fakultas Pertanian, Universitas Lampung. Penelitian ini menggunakan Rancangan Acak Lengkap (RAL) dengan metode *Split Plot Design* (Petak Terbagi). Perlakuan utama berupa taraf tanpa naungan (N0) dan naungan 50% (N1), sedangkan perlakuan anak petak pada masing-masing perlakuan utama berupa jenis pupuk kotoran ternak yaitu pupuk kotoran ayam (P1), pupuk kotoran sapi (P2), pupuk kotoran kambing (P3). Hasil penelitian menunjukkan bahwa terdapat interaksi antara perlakuan naungan dan jenis pupuk kandang ($P < 0,01$) terhadap produksi segar dan jumlah anakan.

Kata kunci : rumput gajah mini, pupuk kandang, naungan, *performance* vegetatif

THE EFFECT OF MANURE TO VEGETATIVE PERFORMANCE OF DWARF ELEPHANT GRASS (Pennisetum purpureum cv. Mott.) IN SECOND CUTTING WITH DIFFERENT SHADE

ABSTRACT

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The purpose of this research was 1) to know the interactions using shade and manure application on vegetative performance of dwarf elephant grass; 2) determine the effect of shade and the best type of manure on the vegetative performance of dwarf elephant grass. This research was conducted in March--May 2019 at the Integrated Field Laboratory, Faculty of Agriculture, University of Lampung. This study use Completely Randomized Design (CRD) with the Split Plot Design method. Each experiment land unit consist of 1.2 x 1.5 m^2. the obtained data was analyzed by analysis of variance on 5% and or 1%. The main treatment consisted of the level of no shade (N0) and 50% shade (N1), while the handling of smaller treatment was in accordance with the main types of broiler manure (P1), cattle manure (P2), goat manure (P3). The results showed the interaction between types and types of manure ($P < 0.01$) on fresh production and number of tillers.

Keywords: dwarf elephant grass, manure, shade, vegetative performance