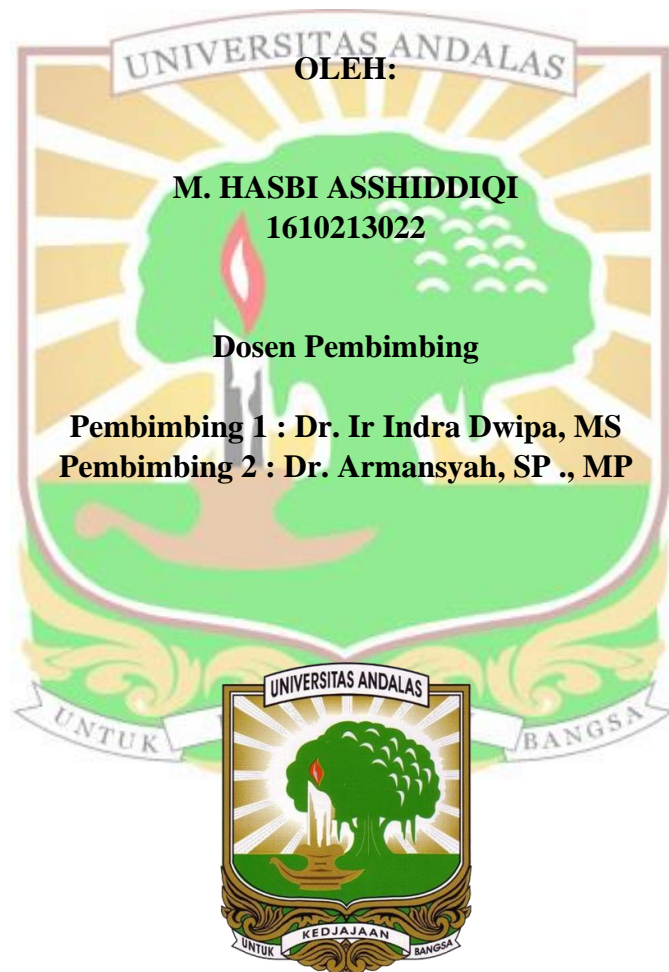


**PENGARUH BERBAGAI DOSIS KOMPOS BATANG PISANG
TERHADAP PERTUMBUHAN DAN HASIL SERAI WANGI
(*Cymbopogon nardus* L.)**

SKRIPSI



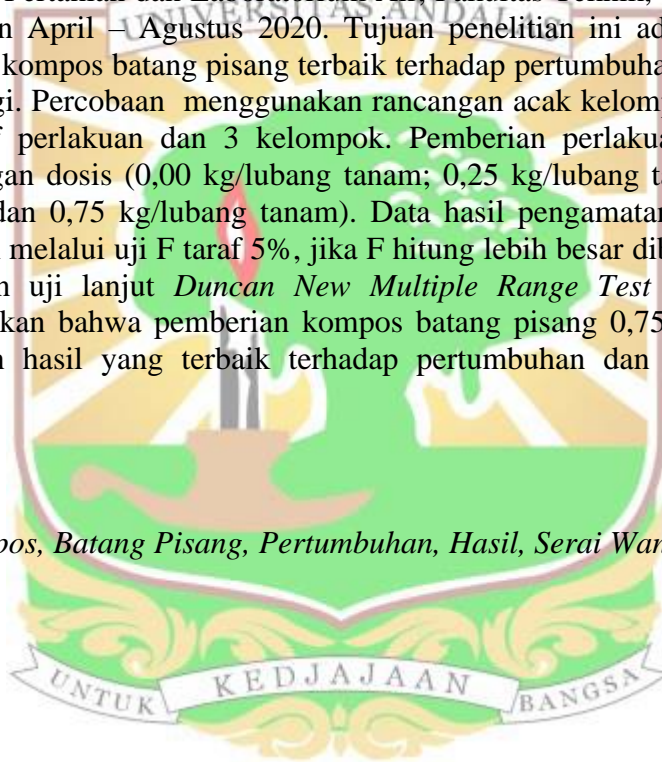
**FAKULTAS PERTANIAN
UNIVERSITAS ANDALAS
PADANG
2021**

PENGARUH BERBAGAI DOSIS KOMPOS BATANG PISANG TERHADAP PERTUMBUHAN DAN HASIL SERAI WANGI (*Cymbopogon nardus* L.)

ABSTRAK

Tanaman serai wangi (*Cymbopogon nardus* L.) adalah salah satu tanaman kelompok rerumputan penghasil minyak atsiri yang masih potensial untuk dikembangkan di Indonesia. Penelitian ini dilakukan di kebun percobaan lahan kering ketinggian 200 – 300 mdpl, Laboratorium Fisiologi, Jurusan Budidaya Pertanian, Fakultas Pertanian dan Laboratorium Air, Fakultas Teknik, Universitas Andalas pada bulan April – Agustus 2020. Tujuan penelitian ini adalah untuk mendapatkan dosis kompos batang pisang terbaik terhadap pertumbuhan dan hasil tanaman serai wangi. Percobaan menggunakan rancangan acak kelompok (RAK) terdiri dari 4 taraf perlakuan dan 3 kelompok. Pemberian perlakuan kompos batang pisang dengan dosis (0,00 kg/lubang tanam; 0,25 kg/lubang tanam; 0,50 kg/lubang tanam; dan 0,75 kg/lubang tanam). Data hasil pengamatan dianalisis dengan sidik ragam melalui uji F taraf 5%, jika F hitung lebih besar dibandingkan F tabel dilanjutkan uji lanjut *Duncan New Multiple Range Test* 5%. Hasil penelitian menunjukkan bahwa pemberian kompos batang pisang 0,75 kg/lubang tanam memberikan hasil yang terbaik terhadap pertumbuhan dan hasil serai wangi.

Kata Kunci : *Kompos, Batang Pisang, Pertumbuhan, Hasil, Serai Wangi*



THE EFFECT OF SEVERAL DOSAGES OF BANANA STEM COMPOST ON THE GROWTH AND YIELD OF CITRONELLA (*Cymbopogon nardus* L)

ABSTRACT

Citronella (*Cymbopogon nardus* L.) is one of the essential oil-producing grasses that has the potential to be developed in Indonesia. Research on The Effect Of Several Dosages of Banana Stem Compost On The Growth Yield Of Citronella was conducted in dryland experimental gardens at an altitude of 200 - 300 m asl, Physiology Laboratory, Department of Agricultural Cultivation, Faculty of Agriculture and Water Laboratory, Faculty of Engineering, Andalas University from April to August 2020. The purpose of this study was to obtain the best banana stem compost dose for the growth and yield of citronella plants. The experiment used a randomized block design (RBD) consisting of 4 treatment levels and 3 groups. The treatment of banana stem compost with a dose (0.00 kg / planting hole; 0.25 kg / planting hole; 0.50 kg / planting hole; and 0.75 kg / planting hole). The data from the observations were analyzed using variance through the F test of 5% level, if F count is greater than F table, then continue with *Duncan's New Multiple Range Test* at 5% level. The results showed that the application of banana stem compost with 0.75 kg / planting hole gave the best results for the growth and yield of citronella.

Keywords : *Compost, Banana Stems, Growth, Yield, Citronella*

