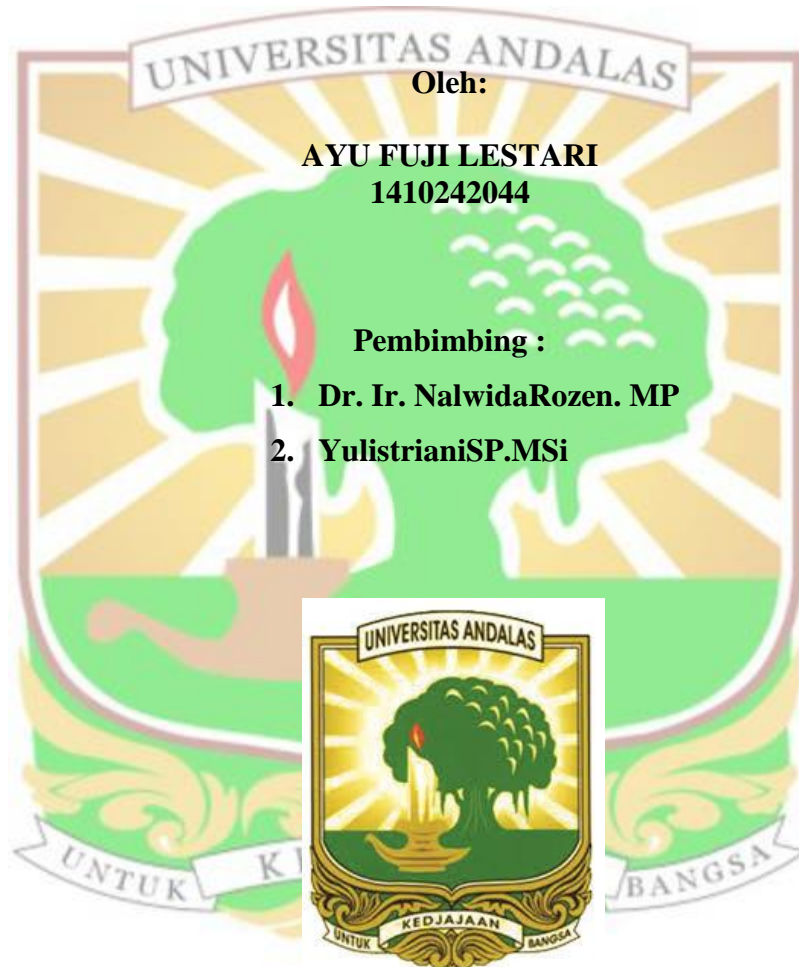


**PENGARUH PUPUK ORGANIK CAIR DAUN LAMTORO  
(*Leucaenaleucocephala*) TERHADAP PERTUMBUHAN BIBIT  
KELAPA SAWIT DI *MAIN NURSERY***

**SKRIPSI**



**JURUSAN BUDIDAYA PERKEBUNAN  
PROGRAM STUDI AGROEKOTEKNOLOGI  
FAKULTAS PERTANIAN  
KAMPUS III UNIVERSITAS ANDALAS  
DHARMASRAYA  
2019**

**PENGARUH PUPUK ORGANIK CAIR DAUN LAMTORO  
(*Leucaenaleucocephala*) TERHADAP PERTUMBUHAN BIBIT KELAPA  
SAWIT DI MAIN NURSERY**

**SKRIPSI**

**Oleh:**



**JURUSAN BUDIDAYA PERKEBUNAN  
PROGRAM STUDI AGROEKOTEKNOLOGI  
FAKULTAS PERTANIAN  
KAMPUS III UNIVERSITAS ANDALAS  
DHARMASRAYA  
2019**

**PENGARUH PUPUK ORGANIK CAIR DAUN LAMTORO  
(*Leucaenaleucocephala*) TERHADAP PERTUMBUHAN BIBIT  
KELAPA SAWIT DI *MAIN NURSERY***

**Abstrak**

Kelapasawit (*Elaeisguinensis* Jacq.) merupakan salah satu komoditi perkebunan yang memegang peranan penting dan strategis dalam mendukung perkembangan kondisi sosial ekonomi karena sebagai sumber penghasil devisa negara dan mampu menciptakan lapangan kerja di Indonesia. Penelitian ini bertujuan untuk mengetahui respon pertumbuhan bibit kelapasawit dan dosis pupuk cair lamtoro yang paling tepat terhadap pertumbuhan bibit kelapasawit di *main nursery*. Percobaan ini telah dilaksanakan di Balai Pengkajian Tanaman Perkebunan (BPTP) Nagari Gunung Medan, Kecamatan Sitiung, Kabupaten Dharmasraya, Sumatera Barat. Percobaan ini menggunakan Rancangan Acak Lengkap (RAL). Pemberian pupuk organik cair daun lamtoro yang terdiri dari 5 taraf yaitu = 0, 300, 400, 500, 600 ml. Data pengamatan dianalisis dengan uji F pada taraf 5 %, jika berbeda nyata maka dilanjutkan dengan uji lanjut *Duncan's New Multiple Range Test* (DNMRT). Hasil percobaan menunjukkan bahwa pemberian pupuk cair lamtoro dengan dosis 300 ml dapat meningkatkan pertumbuhan bibit kelapasawit di *main nursery*.

*Kata kunci* : Kelapasawit, daun lamtoro, pupuk organik cair, *main nursery*, pertumbuhan.



# THE EFFECT OF LIQUID FERTILIZER FROM LAMTORO LEAVES (*Leucaena leucocephala*) ON THE GROWTH OF OIL PALM IN THE MAIN NURSERY

## ABSTRACT

Oil Palm crops (*Elaeis guineensis* Jacq.) is one of the plantation commodities which plays an important role and strategic in supporting the development of socio economic condition because as the foreign exchange income and be able to create jobs in Indonesia. The research objective were to know the growth response of oil palm seedlings and to get the best dose of lamtoro leaf liquid fertilizer on the growth of oil palm seedling in the main nursery. The experiment was done for 7 months at estate crops assessment center (BPTP) Nagari Gunung Medan, Sitiung Districts, Dharmasraya Regency, West Sumatra. This experiment used a Completely Randomized Design (CRD) with the liquid organic fertilizer of lamtoro leaf consisted on five level, there were 0, 300, 400, 500, and 600 ml. Observed data were analyzed by a F- test at level 5 %, if a significantly different then continued by *Duncan's New Multiple Range Test* (DNMRT). The research result showed that the application of lamtoro leaf liquid fertilizer by dose 300 ml can be increased the oil palm growth in the main nursery.

*Key word : oil palm, lamtoro leaf, organic fertilizer liquid , main nursery, growth*

