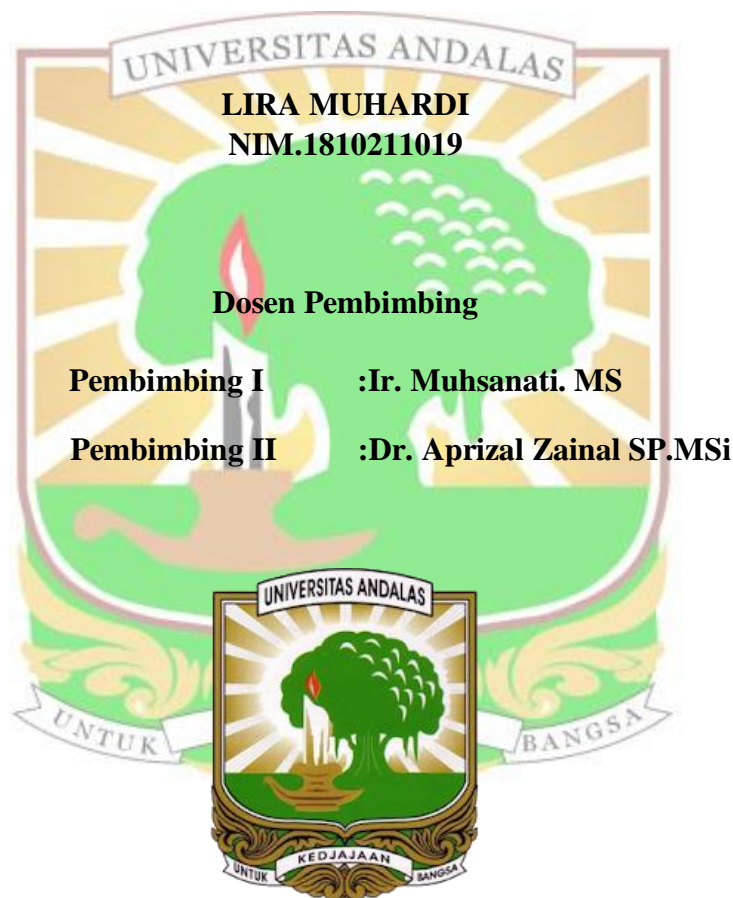


**PENGARUH KOMBINASI PUPUK ORGANIK CAIR
TITHONIA DENGAN PUPUK ORGANIK CAIR URIN SAPI
TERHADAP PERTUMBUHAN TANAMAN GAMBIR
(*Uncaria gambir* (Hunter) Roxb)**

SKRIPSI

OLEH



**FAKULTAS PERTANIAN
UNIVERSITAS ANDALAS
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2022**

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Abstrak

Penelitian tentang pengaruh kombinasi pupuk organik cair tithonia dengan pupuk organik cair urin sapi terhadap pertumbuhan tanaman gambir (*Uncaria gambir* (Hunter) Roxb) telah dilaksanakan di Kebun Percobaan Fakultas Pertanian, Universitas Andalas, Limau Manis, Padang pada ketinggian tempat ± 336 mdpl dari bulan Januari sampai Mei 2022. Penelitian ini bertujuan untuk mendapatkan kombinasi terbaik dari pupuk organik cair tithonia dengan pupuk organik cair urin sapi terhadap pertumbuhan tanaman gambir *Uncaria gambir* (Hunter) Roxb). Percobaan menggunakan Rancangan Acak Kelompok (RAK) yang terdiri dari 5 perlakuan dengan 2 ulangan. Variabel yang diamati adalah pertambahan jumlah daun, panjang daun terpanjang, lebar daun terlebar, pertambahan jumlah cabang produksi, lebar tajuk, dan jumlah bunga. Hasil penelitian menunjukkan bahwa pemberian beberapa kombinasi pupuk organik cair tithonia dengan pupuk organik cair urin sapi memberikan rata – rata tertinggi terhadap pertambahan jumlah daun, lebar tajuk, pertambahan jumlah cabang produksi, dan jumlah bunga pada perlakuan dosis POC Tithonia 25% + POC Urin sapi 75% terhadap pertumbuhan tanaman gambir selama 16 minggu pengamatan.

Kata Kunci : gambir, urin sapi, tithonia, organik, pertumbuhan



THE EFFECT OF COMBINATION OF TITHONIA LIQUID ORGANIC FERTILIZER WITH LIQUID ORGANIC FERTILIZER OF COW URINE ON THE GROWTH OF GAMBIER PLANT (*Uncaria gambir* (Hunter) Roxb)

Abstract

Research on the effect of the combination of tithonia liquid organic fertilizer with cow urine liquid organic fertilizer on the growth of gambier (*Uncaria gambir* (Hunter) Roxb) has been carried out at the Experimental Garden of the Faculty of Agriculture, Andalas University, Limau Manis, Padang at an altitude of ± 336 masl from January until May 2022. This study aims to obtain the best combination of tithonia liquid organic fertilizer with cow urine liquid organic fertilizer on the growth of the gambier plant (*Uncaria gambir* (Hunter) Roxb). The experiment used a Randomized Block Design (RAK) which consisted of 5 treatments with 2 replications. The variables observed were the increase in the number of leaves, the longest leaf length, the widest leaf width, the increase in the number of production branches, the width of the crown, and the number of flowers. The results showed that the application of several combinations of tithonia liquid organic fertilizer with cow urine liquid organic fertilizer gave the highest average for the increase in leaf number, crown width, increase in the number of production branches, and the number of flowers at the treatment dose of POC Tithonia 25% + POC Cow urine 75 % of gambier plant growth during 16 weeks of observation.

Keywords: gambier, cow urine, tithonia, organic, growth

