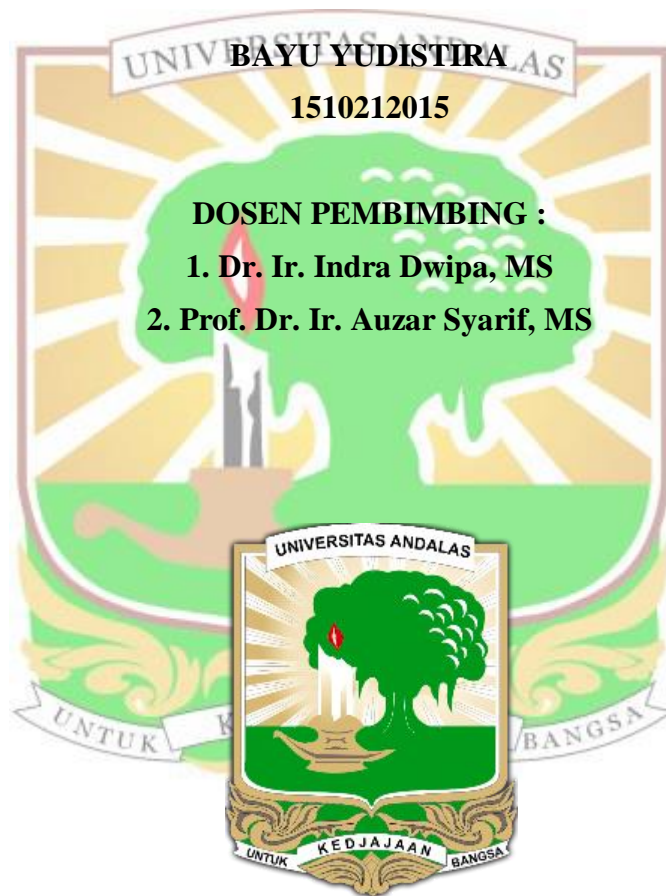


**PENGARUH KOMPOSISI MEDIA TANAM  
KOMPOS LIMBAH PADAT INDUSTRI KARET REMAH  
DENGAN ALLUVIAL TERHADAP PERTUMBUHAN  
BIBIT KOPI ARABIKA (*Coffea arabica* L.)**

**SKRIPSI**

**OLEH**



**FAKULTAS PERTANIAN  
UNIVERSITAS ANDALAS  
PADANG  
2019**

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**ABSTRAK**

Penelitian tentang pengaruh komposisi media tanam kompos limbah padat karet remah dengan alluvial terhadap pertumbuhan bibit kopi arabika (*coffea arabica* l.) telah dilaksanakan dengan tujuan untuk mendapatkan komposisi terbaik antara bahan organik kompos limbah padat karet dengan alluvial terhadap pertumbuhan bibit kopi arabika varietas Sigarar Utang. Penelitian ini dilakukan di UPT Kebun Percobaan Fakultas Pertanian, Universitas Andalas, Padang dengan menggunakan metode percobaan Rancangan Acak Lengkap (RAL) yang terdiri dari 5 perlakuan dan 5 ulangan. Perlakuan yaitu komposisi : B1 = 2000 g alluvial tanpa pemberian kompos limbah karet, B2 = 1500 g alluvial + 500 g kompos limbah karet, B3 = 1000 g alluvial + 1000 g kompos limbah karet, B4 = 500 g alluvial + 1500 g kompos limbah karet, B5 = 2000 g kompos limbah karet tanpa pemberian alluvial. Data dianalisis dengan menggunakan Uji F diikuti oleh Uji *Duncan Multiple Range Test* (jika hasil Uji F berbeda nyata). Hasil penelitian menunjukkan pemberian bahan organik kompos limbah karet dapat memperbaiki sifat fisik alluvial serta didapatkan komposisi terbaik untuk pertumbuhan tanaman kopi arabika adalah perlakuan komposisi kompos limbah karet 2000 g/tanaman tanpa pemberian alluvial.

*Kata Kunci : Kopi Arabika, kompos limbah karet, alluvial.*

# THE EFFECT OF MEDIA COMPOSITION FROM SOLID WASTE COMPOST OF RUBBER CRUMB AND ALLUVIAL ON THE SEEDLING GROWTH OF ARABICA COFFEE (*Coffea arabica* L.)

## ABSTRACT

Research on the effect of the composition of the growth media of solid waste compost of rubber crumb and alluvial on the seedling growth of Arabica coffee (*Coffea arabica* L.) was carried out in order to obtain the best composition between solid waste organic compost material of rubber crumb and alluvial on the growth of Sigarar Utang, arabica coffee variety. This research was conducted at the UPT Research Station Faculty of Agriculture, Andalas University, Padang. The experiment method used Completely Randomized design (CRD) which consisted of 5 treatments and 5 replicates. The treatments were the growth media composition *i.e.* B1 = 2000 g alluvial without applying waste rubber compost, B2 = 1500 g alluvial + 500 g solid waste rubber compost, B3 = 1000 g alluvial + 1000 g solid waste rubber compost, B4 = 500 g alluvial + 1500 g solid waste rubber compost, B5 = 2000 g solid waste rubber compost without applying alluvial. Data were analyzed using the F test and further tested by the Duncan Multiple Range Test (if the F test revealed significant difference). Results showed that the applying of organic rubber waste compost could improve physical properties of alluvial. It was found that the best composition for the seedling growth of Arabica coffee was the treatment of 2000 g rubber waste compost/plant without applying alluvial.

*Key words: Arabica coffee, rubber waste compost, alluvial.*



