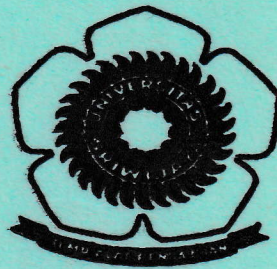


**EFEKTIVITAS TEKNIK KONSERVASI VEGETATIF  
(TANAMAN KAYU PUTIH, ANGSANA DAN JOHAR) DALAM  
MENGURANGI EROSI TANAH PADA LAHAN PASCA TAMBANG  
DI PT. BUKIT ASAM (Persero) Tbk TANJUNG ENIM**

**Oleh  
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**INDRALAYA  
2012**

Skripsi berjudul

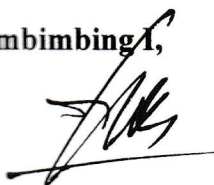
**EFEKTIVITAS TEKNIK KONSERVASI VEGETATIF  
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Oleh

**SERVI ADITAMA PUTRA  
05071002014**

telah diterima sebagai salah satu syarat  
untuk memperoleh gelar  
Sarjana Pertanian

Pembimbing I,



Dr. Ir. Dwi Setyawan, M.Sc

Pembimbing II,



Ir. Bakri, M.P.

Indralaya, Mei 2012

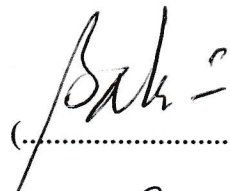

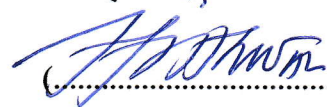

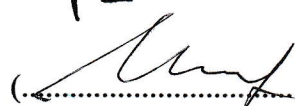
Fakultas Pertanian  
Universitas Sriwijaya



Prof. Dr. Ir. H. Imron Zahri, M. S.  
NIP. 195210281975031001

Skripsi berjudul “Efektivitas Teknik Konservasi Vegetatif Tanaman (Kayu Putih, Angsana dan Johar) dalam Mengurangi Erosi pada Lahan Pasca Tamabang Di PT Bukit Asam (Persero) Tbk Tanjung Enim ” oleh Servi Aditama Putra telah dipertahankan di depan Komisi Penguji pada tanggal 10 Mei 2012.

### Komisi Penguji

- |                                   |            |  |
|-----------------------------------|------------|--|
| 1. Ir. Bakri, M.P.                | Ketua      | (  .....)  |
| 2. Dr. Ir. Adipati Napoleon, M.P. | Sekretaris | (  .....)  |
| 3. Dr. Ir. A. Madjid Rohim, M.S.  | Anggota    | (  .....) |
| 4. Dr. Ir. Adipati Napoleon, M.P. | Anggota    | (  .....) |
| 5. Ir. H. Alamsyah Pohan, M.S.    | Anggota    | (  .....) |

**Mengetahui,**  
Ketua Jurusan Tanah

**Mengesahkan,**  
Ketua Program Studi Ilmu Tanah



Dr. Ir. Adipati Napoleon, M.P.  
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## PERNYATAAN

Saya yang bertanda tangan di bawah ini menyatakan dengan sesungguhnya bahwa seluruh data dan informasi yang disajikan dalam skripsi ini, kecuali yang disebutkan dengan jelas sumbernya, adalah hasil penelitian dan investigasi saya sendiri dan belum pernah atau tidak sedang diajukan sebagai syarat untuk memperoleh gelar kesarjanaan lain atau gelar kesarjanaan yang sama di tempat lain.

Indralaya, Mei 2012

Yang membuat pernyataan,



Servi Aditama Putra

## SUMMARY

**SERVI ADITAMA PUTRA.** Effectiveness of vegetative Conservation Techniques (Kayu Putih, Angsana and Johar) in Reduce Soil Erosion on Post-Minning Land in PT. Bukit Asam (Persero) Tbk Tanjung Enim (Supervised by **DWI SETYAWAN** and **BAKRI**)

Vegetative conservation done in post-mining land PTBA to reduce the rate of erosion, with plant forests as Kayu Putih, Angsana and Johar. Prediction soil erosion in the post-mining land PTBA has been done, but have not reached the stage of the effectiveness of vegetative conservation measures. This research aims to evaluate the effectiveness of vegetative conservation measures (Kayu Putih, Angsana, and Johar) in reduce erosion in the PTBA. The research was carried out in post-mining land PTBA, Tanjung Enim South Sumatra.

The research was conducted by survey method in the post-mining land PTBA. The post-mining land observed on land before using vegetative conservation techniques and land after using vegetative conservation techniques with plant vegetative Kayu Putih, Angsana and Johar as well as the plant ages 1, 5 and 10 years. At each location was searched observation location with extensive 11 m x 11 m. The Research used prediction methods USLE (Universal Soil Loss Equation) and the method of direct measurement of erosion that is, the method had been measuring stick.

The results of this research indicate, Effectiveness Data calculated from erosion with the method of measure sticks and USLE, show vegetative conservation

techniques (Kayu Putih, Angsana and Johar) can reduce soil erosion, so that vegetative conservation measures (Kayu Putih, Angsana and Johar) can be said to be effective in reducing soil erosion, this is because the plants Kayu Putih, Angsana and Johar can with his canopy can withstand rain drop energy to destroy the grain of the soil.

Effectiveness of erosion calculated by the USLE method and measure stick on the location of the observation techniques vegetative Kayu Putih was 10 years old with reduce soil erosion is approximately 99.97% and 90.43% of the locations of observation without the highest vegetative conservation techniques among others, so that Kayu Putih to be effective at the age of 10 years in reduce erosion than others.

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