PENILAIAN ERODIBILITAS TANAH PADA LAHAN TANAMAN KARET BERDASARKAN PERBEDAAN UMUR TANAM DI DESA GUNUNG MERAKSA KECAMATAN LUBUK BATANG KABUPATEN OGAN KOMERING ULU

oleh
MARZUKI

FAKULTAS PERTANIAN
UNIVERSITAS SRIWIJAYA

INDRALAYA
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oleh
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Telah diterima sebagai salah satu syarat
untuk memperoleh gelar
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Indralaya, Oktober 2011

Fakultas Pertanian
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Dekan,

Prof. Dr. Ir. H Imron Zahri, M.S.
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Skripsi berjudul " Penilaian Erodibilitas Tanah Pada Lahan Tanaman Karet Berdasarkan Perbedaan Umur Tanam di Desa Gunung Meraksa Kecamatan Lubuk Batang Ogan Kabupaten Komering Ulu " oleh Marzuki telah dipertahankan di depan Komisi Penguji pada Tanggal 24 Oktober 2011.

Komisi Penguji

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PERYATAAN

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

Indralaya, Oktober 2011

Yang membuat pernyataan,

Marzuki

SUMMARY

Marzuki. Asseament of the soil erodibility based on the age of rubber Plant in the Village of Gunung Meraksa District Lubuk Batang Ogan Komering Ulu Regency. Supervised by **Ir. Bakri, M.P** and **Dra. Dwi Probowati Sulistiyani, M.S**

This study aims to measure the amount of soil on the land value erodibility different rubber plant age based on physical properties and soil chemistry associated with erodibility. The fieldwork was conducted in the Village of Gunung Meraksa District Lubuk Batang OKU Regency. Analysis of soil samples carried out at the Laboratory of Physics and Soil Conservation and Chemistry Laboratory, Department of Biology and Soil Fertility Soil Faculty of Agriculture, Sriwijaya University. This study starts from March to May 2011.

Erodibility factors studied were texture, structure, soil organic matter and permeability. Based on the results of texture analysis in the laboratory found that the texture of the soil at the study sites is clay. A high content of clay in the study site is very influential on the value of the land erodibility. at the study site contains a fairly high clay fraction is between 55.6% to 63.8% and the fraction of dust at least it ranged between 11.2% to 19.2%, while the sand fraction ranged from 20.4% to 32.4%.

At the study site is dominated by the soil structure and granular structure of the plate. Soil structure is greatly influenced by the presence of organic matter content. In addition, the structure is also influenced by the activity of living beings that exist in the soil. Other factors that also affect the activity of soil structure and root movement. Human activity is also one of the factors that influence the formation of soil structure.

Value of soil permeability on the study sites classified as very slow between 0.009 cm s^{-1} to 0.029 cm s^{-1}. The lowest content of organic material contained in the land of rubber 1 point 2 years is 1.67% while for the highest found in the land of rubber 2 points 1 year of age is 6.56%. The lowest content of organic material contained in the land of rubber 1 point 2 years is 1.67% while for the highest found in the land of rubber 2 points 1 year of age is 6.56%.

In the land of rubber plants are 1 year old, from five observation points there are four points that have low erodibility values ranging from 0.135 to 0.191 and a point which is the value erodibility at point 1 of 0.208. In the land of rubber plants aged 2 and 3 years of planting, erodibility value at each of its points is low, namely between 0.118 until 0.193. While the rubber plant on land that was 4 years old erodibility different values of land 1 to 3 years. At 4 years of land there are four points that have values are between 0.203 to erodibility 0.218.