

**STUDI KEDALAMAN MUKA AIR TANAH DENGAN TINGGI AIR
SALURAN TERSIER SERTA BEBERAPA SIFAT FISIK TANAH
DI PERKEBUNAN KELAPA SAWIT PT. SRIWIJAYA PALM OIL
DESA GASING KABUPATEN BANYUASIN**

**Oleh
DODY SUTISNA**



**FAKULTAS PERTANIAN
UNIVERSITAS SRIWIJAYA**

**INDRALAYA
2011**


Skripsi berjudul
STUDI KEDALAMAN MUKA AIR TANAH DENGAN TINGGI AIR
SALURAN TERSIER SERTA BEBERAPA SIFAT FISIK TANAH
DI PERKEBUNAN KELAPA SAWIT PT. SRIWIJAYA PALM OIL
DESA GASING KABUPATEN BANYUASIN

Oleh
DODY SUTISNA
05043102027

Telah diterima sebagai salah satu syarat
untuk memperoleh gelar
Sarjana Pertanian

Indralaya, Juli 2011

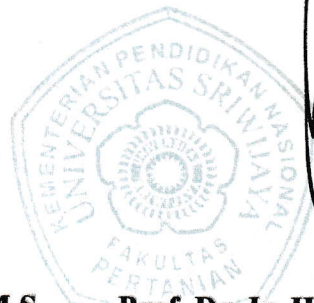
Pembimbing I,

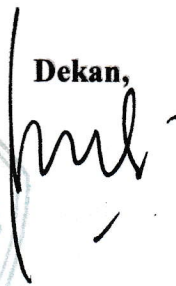

Ir. Bakri, M.P
Pembimbing II,


Ir. Satria Jaya Priatna. M.S

Fakultas Pertanian
Universitas Sriwijaya

Dekan,

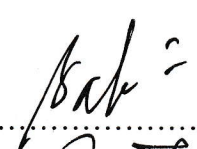








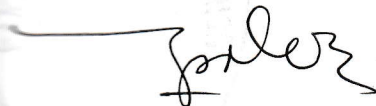
Prof. Dr. Ir. H. Imron Zahri, M.S.
NIP. 195210281975031001

Skripsi berjudul “Studi Kedalaman Muka Air Tanah Dengan Tinggi Air Saluran Tersier Serta Beberapa Sifat Fisik Tanah Di Perkebunan Kelapa Sawit PT. Sriwijaya Palm Oil Desa Gasing Kabupaten Banyuasin” oleh Dody Sutisna, telah dipertahankan di depan Komisi Penguji pada Tanggal 4 Juli 2011.

Komisi Penguji

1. Ir. Bakri, M.P.	Ketua	()
2. Dra. Dwi Probowati Sulistyani, M.S.	Sekretaris	()
3. Ir. H. Djak Rahman, M.Sc.	Anggota	()
4. Dra. Dwi Probowati Sulistyani, M.S.	Anggota	()
5. Dr. Ir. Siti Masreah Bernas, M.Sc.	Anggota	()

Mengetahui,
Ketua Jurusan Tanah



Dr. Ir. Adipati Napoleon, M.S.
NIP. 196204211990031002

Mengesahkan,
ub.Ketua Program Studi Ilmu Tanah



Dra. Dwi Probowati Sulistyani, M.S.
NIP. 195809181984032001

PERNYATAAN

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

Indralaya, Juli 2011

Yang membuat pernyataan



Dody Sutisna

SUMMARY

DODY SUTISNA. Study of Groundwater Depth with Water Level of Tertiary Canals and Some Physical Properties of Soil in the Plantation of PT. Sriwijaya Palm Oil at Gasing Village in Banyuasin Regency (Supervised by **BAKRI** and **SATRIA JAYA PRIATNA**).

This aims of this study to determine the value of soil hydraulic conductivity and its relation to some soil physical properties and to determine the ground water level fluctuation and its relation to water level in tertiary canals. The research was conducted in the plantation of PT. Sriwijaya Palm Oil at Gasing Village in Banyuasin Regency. From April to October 2009. This research was accomplished by using semi-detailed survey. For the observation of ground water in the land and the water level in the tertiary canal done for 1 month, with a term of every day on the morning. Determination of soil hydraulic conductivity and soil samples taken at observation points located on block 10 with the observation area is 50 ha and taken as many as 20 points of observation with a distance of 125 meters times 200 meters. Based on the research, it is known that soil texture among the sites is loam, sandy loam, clay loam, sandy clay loam and loamy sand. For the bulk soil is known that there is the highest point at T18 point at a depth of 30-60 cm is 1.58 gr cm^{-3} and the lowest point located at point T10 at a depth of 30-60 cm is 0.52 gr cm^{-3} . As for the highest total pore space at the point of T10 at a depth of 30-60 is 80.4%., and the lowest total pore space available at the point of T18 at a depth of 30-60 cm which is 40.4%, which is textured clay loam. At the point of T12 has a value of 0.73 cm h^{-1}

soil hydraulic conductivity is the lowest value of soil hydraulic conductivity, while at T10 which has a value of soil hydraulic conductivity fastest at 29.8 cm h⁻¹.

