

**EVALUASI KESESUAIAN LAHAN UNTUK TANAMAN  
JERUK NIPIS (*Citrus aurantifolia* S.) DI KENAGARIAN PINTU  
PADANG, LANSEK KADOK, DAN PADANG GELUGUR,  
KABUPATEN PASAMAN**

**SKRIPSI**



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## ABSTRAK

Penelitian tentang Evaluasi Kesesuaian Lahan Untuk Tanaman Jeruk Nipis (*Citrus aurantifolia* S.) telah dilaksanakan di Kenagarian Pintu Padang Kecamatan Mapat Tunggul, Kenagarian Lansek Kadok Kecamatan Rao Selatan, Kenagarian Padang Gelugur Kecamatan Padang Gelugur, Kabupaten Pasaman, Provinsi Sumatera Barat, mulai Juli sampai November 2016. Penelitian bertujuan untuk menentukan Kelas kesesuaian lahan (aktual dan potensial) untuk tanaman jeruk nipis di lokasi tersebut. Penelitian dilakukan dengan metode Survei dengan pengambilan sampel pada profil tanah. Penelitian dilakukan di lapangan dan Laboratorium. Analisis di Laboratorium terdiri dari: 1) Tekstur tanah, 2) pH tanah dan Kejenuhan Aluminium, 3) C-organik dan N-total, 4) KTK dan Kejenuhan Basa, 5) P-tersedia dan K-dd, 6) Kesuburan tanah . Hasil penelitian menunjukkan bahwa kelas kesesuaian lahan dengan kesesuaian lahan aktual pada lokasi 1 Pintu Padang/ 100°10'54.1"E 0°37'49.9"N/ 3-8% (agak landai)/ Kebun Karet (S3n) sesuai marginal dengan faktor pembatas hara tersedia, lokasi 2 Pintu Padang/ 100°09'21.5"E 0°37'45.9"N/ 8-15% (landai)/ Hutan Sekunder (S3ne) sesuai marginal dengan faktor pembatas hara tersedia dan erosi , lokasi 3 Pintu Padang/ 100°10'54.1"E 0°37'49.9"N/ 8-15% (landai)/ Lahan Kering (S3n) sesuai marginal dengan faktor pembatas hara tersedia, lokasi 4 Padang Gelugur/ 100°09'24.6"E 0°37'40.9"N/ 0-3% (datar)/ Sawah (S2) cukup sesuai, lokasi 5 Lansek Kadok/ 100°09'21.6"E 0°37'42.8"S/ 3-8% (agak landai)/ Kebun Kakao (S3n) sesuai marginal dengan faktor pembatas hara tersedia. Kelas kesesuaian lahan potensial untuk semua lokasi adalah S2 (cukup sesuai).

*Kata kunci: evaluasi dan kesesuaian lahan, satuan lahan, tanaman jeruk nipis*

# EVALUATION OF LAND SUITABILITY FOR LIME (*Citrus aurantifolia* S.) IN PINTU PADANG, LANSEK KADOK, AND PADANG GELUGUR, PASAMAN REGENCY

## ABSTRACT

A research on Land Suitability Evaluation for lime (*Citrus aurantifolia* S.) was done in Pintu Padang, Lansek Kadok, and Padang Gelugur, Pasaman regency, West Sumatera Province, from July to November 2016. The study was aimed to determine the land suitability class (actual and potential) for lime at the research sites. The research was conducted by survey method in which soil was sampled within soil profile. The research was conducted at field and laboratory. The analysis in the laboratory consisted of: 1) Soil texture, 2) Soil pH and Aluminum saturation, 3) C-organic and N-total, 4) CEC and Base Saturation, 5) P-available and K-exchangeable, and 6) Soil fertility. The results showed that based on actual land suitability classification, location 1 (Pintu Padang/ 100°10'54.1"E 0°37'49.9"N/ 3-8%/ rubber fields) had class S3n meaning marginally suitable with the limiting factor was the available nutrients, location 2 (Pintu Padang/ 100°09'21.5"E 0°37'45.9"N/ 8-15%/ secondary forest) had class S3ne which was marginally suitable with the limiting factor was the available nutrients and erosion, location 3 (Pintu Padang/ 100°10'54.1"E 0°37'49.9"N/ 8-15%/ dry farming) had class S3n meaning marginally suitable with the limiting factor was the available nutrients, location 4 (Padang Gelugur/ 100°09'24.6"E 0°37'40.9"N/ 0-3%/ rice fields) had class S2 which was appropriate and location 5 (Lansek Kadok/ 100°09'21.6"E 0°37'42.8"S/ 3-8%/ cacao fields) had class S3n meaning marginally suitable with the limiting factor was the available nutrients. However, based on potential land suitability classification, all sites belonged to class S2 (quite appropriate).

Keywords: evaluation and suitability of land, unit of land, lime.