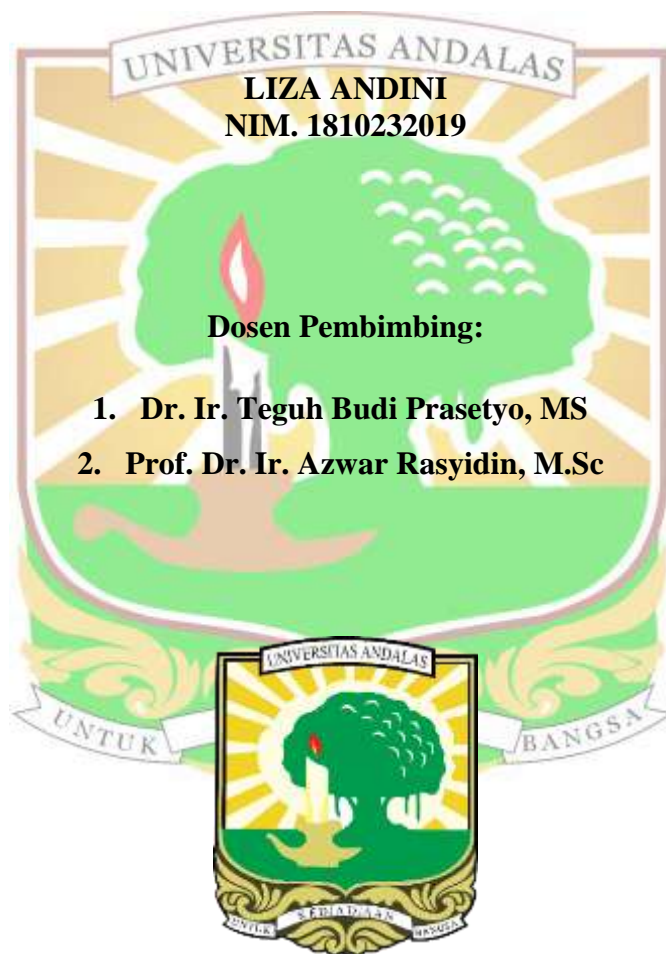


**KAJIAN SIFAT KIMIA INCEPTISOL PADA BEBERAPA KELAS
LERENG DI NAGARI AIE DINGIN KECAMATAN LEMBAH
GUMANTI KABUPATEN SOLOK**

SKRIPSI

Oleh



**FAKULTAS PERTANIAN
UNIVERSITAS ANDALAS
PADANG
2023**

KAJIAN SIFAT KIMIA INCEPTISOL PADA BEBERAPA KELAS LERENG DI NAGARI AIE DINGIN KECAMATAN LEMBAH GUMANTI KABUPATEN SOLOK

Abstrak

Penelitian sifat kimia Inceptisol pada 4 kelas lereng di lahan semak belukar telah dilaksanakan di Nagari Aie Dingin, Kecamatan Lembah Gumanti, Kabupaten Solok dari Mei 2022 – Februari 2023. Penelitian ini bertujuan untuk mengkaji sifat kimia Inceptisol pada beberapa kelas lereng di Nagari Aie Dingin, Kecamatan Lembah Gumanti, Kabupaten Solok. Penelitian ini dilakukan dengan menggunakan metoda survei. Pengambilan sampel dilakukan secara purposive sampling pada empat kelas lereng (8-15%, 15-25%, 25-45%, >45%), satu pembandingan lahan tegalan (25-45%) pada kedalaman 0-20 cm dan 20-40 cm dengan 3 ulangan. Hasil penelitian menunjukkan bahwa nilai pH tanah berkisar antara 4.61 unit-5.62 unit (masam sampai agak masam). Kandungan C-Organik tanah berkisar antara 1.51%-2,55% (rendah sampai sedang). Kandungan N-Total berkisar antara 0.05%-0.19% (sangat rendah sampai rendah). Rasio C/N berkisar antara 9.37-35.8 (rendah sampai sangat tinggi). Kandungan P-Tersedia berkisar antara 2.29 ppm-43.6 ppm (sangat rendah sampai sangat tinggi). KTK dengan nilai 14,28 me/100g-43,62 me/100g (rendah hingga sangat tinggi). Hasil penelitian menunjukkan bahwa pada daerah penelitian terjadi penurunan nilai sifat kimia tanah seiring dengan meningkatnya kelas lereng.

Kata kunci : Inceptisol, Kelas lereng, Sifat kimia tanah



STUDY ON THE CHEMICAL PROPERTIES OF INCEPTISOLS AT SEVERAL SLOPE CLASSES IN NAGARI AIE DINGIN, LEMBAH GUMANTI SUB-DISTRICT, SOLOK REGENCY

Abstract

A study on chemical properties of Inceptisols in four slope classes in scrubland areas was conducted in Nagari Aie Dingin, Lembah Gumanti Sub-District, Solok Regency, from May 2022 to February 2023. This research was aimed to assess the chemical properties of Inceptisols in several slope classes in Nagari Aie Dingin, Lembah Gumanti Sub-District, Solok Regency. The study was carried out using a survey method. Samples were purposively taken from four slope classes (8-15%, 15-25%, 25-45%, >45%) and one comparison land (25-45%) at depths of 0-20 cm and 20-40 cm with three replications. The parameters analyzed were soil pH, organic C, total N, C/N ratio, available P, and CEC. The research results indicated that the soil pH ranged from 4.61 units to 5.62 units (acidic to slightly acidic). The organic carbon content of the soil ranged from 1.51% to 2.55% (low to moderate). The total nitrogen content ranged from 0.05% to 0.19% (very low to low). The C/N ratio ranged from 9.37 to 35.8 (low to very high). The P-available content ranged from 2.29 ppm to 43.6 ppm (very low to very high). Cation exchange capacity (CEC) had values from 14.28 me/100g to 43.62 me/100g (low to very high). The result showed that in the research area there was a decrease in the value of soil chemical properties along with increasing slope class.

Keywords: Inceptisol, Slope classes , Soil chemical properties

