

IDENTIFIKASI KARAKTERISTIK TANAH BERDASARKAN TOPOSEKUEN DI KELURAHAN FORAMADIAHI KECAMATAN PULAU TERNATE

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ABSTRAK

Toposekuen adalah perubahan sifat tanah karena perbedaan sekuen/topografi. Pada satu sekuen akan dijumpai perbedaan sifat tanah akibat bahan induk, iklim, dan penggunaan lahan. Tujuan dari penelitian ini untuk mengetahui karakteristik tanah berdasarkan toposekuen yang ada di Kelurahan Foramadiahi Kecamatan Pulau Ternate. Menggunakan metode survei tanah dengan sistem jarak observasi transek pengamatan tanah dilaksanakan pada kemiringan lereng yang berbeda dilapangan dengan teknik identifikasi boring dan profil pit. Karakteristik tanah profil I kemiringan lereng 45-65% (curam) pada ketinggian 354 mdpl dengan kondisi tekstur tanah lebih didominasi oleh tanah lempung struktur remah dan geluh lempung dan konsistensi (lembab) gembur dan agak teguh. Permeabilitas tanah cepat dan agak cepat, porositas sedang, BD, PD tergolong sedang. Profil II kemiringan lereng 30-45% (agak curam) pada ketinggian 254 mdpl dengan kondisi tekstur tanah lebih didominasi oleh tanah lempung struktur, remah dan konsistensi (lembab) gembur dan agak teguh. Permeabilitas tanah agak cepat, porositas tinggi, BD, PD tergolong sedang. Profil III kemiringan lereng 15-30% (miring) pada ketinggian 157 mdpl dengan kondisi tekstur tanah lebih didominasi oleh tanah lempung dan lempung berdebu, struktur remah dan konsistensi (lembab) gembur dan agak teguh. Permeabilitas tanah sedang dan agak cepat, porositas rendah BD, PD tergolong sedang. Tanah pada kelurahan foramadiahi tergolong tanah andosol.

Kata kunci: Foramadiahi, Karakteristik tanah, Toposekuen.

**IDENTIFICATION OF SOIL CHARACTERISTICS BASED ON
TOPOSEQUENCES IN FORAMADIAHI VILLAGE, KECAMATAN PULAU
TERNATE**

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ABSTRACT

Toposequent is the change in soil properties due to differences in sequence / topography. In one sequence there will be differences in soil properties due to the parent material, climate, and land use. The purpose of this study was to determine the characteristics of the soil based on the toposequences in Foramadiah Village, Ternate Island District. Using the soil survey method with the transect observation distance system, the soil observation was carried out on different slopes in the field with boring identification techniques and pit profiles. Soil characteristic of profile I slope 45-65% (steep) at an altitude of 354 masl with soil texture conditions dominated by loamy soil, crumb structure and loam loam and consistency (moist) loose and somewhat firm. Soil permeability is fast and rather fast, medium porosity, BD, PD are classified as moderate. Profile II slope of 30-45% (slightly steep) at an altitude of 254 masl with the condition of the soil texture is dominated by clay structure, crumbs and consistency (moist) loose and rather firm. Soil permeability is rather fast, high porosity, BD, PD are classified as moderate. Profile III slope of 15-30% (sloping) at an altitude of 157 meters above sea level with soil texture conditions dominated by dusty loam and loam, crumb structure and consistency (moist) loose and somewhat firm. Soil permeability is moderate and rather fast, low porosity BD, PD are classified as moderate. The land in the Foramadiah village is classified as andosol soil.

Key words: Foramadiah, Soil characteristics, Toposequen.