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KAJIAN SIFAT FISIK DAN KIMIA TANAH DIAREAL TANAMAN PALA
DI KELURAHAN RUM KECAMATAN TIDORE UTARA
KOTA TIDORE KEPULAUAN

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RINGKASAN

Sifat fisik tanah adalah sifat-sifat ranah yang berhubungan dengan kesuburan tanah dan mempengaruhi pertumbuhan, sehingga sifat fisik tanah dapat dijadikan sebagai indikator terjadinya degradasi tanah pada lahan kering. Sifat kimia tanah merupakan unsur kimia yang tercakup di dalamnya adalah pH tanah dan kandungan unsur hara yang merupakan sifat kimia tanah dalam keseluruhan reaksi kimia yang berlangsung antara penyusunan tanah serta penyusunan tanah dan bahan yang ditambahkan dalam bentuk pupuk atau pembenah tanah lainnya. Kelurahan Rum merupakan salah satu sentra perkebunan tanaman pala di Maluku Utara. Maka perlu dilakukan penelitian mengenai kajian sifat fisik dan kimia tanah di areal tanaman pala di Kelurahan Rum Kecamatan Tidore Utara Kota Tidore Kepulauan. Analisis Sifat Fisik tanah dilakukan di Laboratorium Tanah Universitas Khairun Ternate dan Analisis Sifat Kimia Tanah dilakukan di Laboratorium Kimia Dan Kesuburan Tanah Universitas Hasanuddin. Sampel tanah diambil dari masing-masing secara komposit untuk di analisis di laboratorium. Analisis tanah meliputi tekstur, struktur, permeabilitas *bulk density* (BD), *particle density* (PD), kadar air, persen pori, pH, C-organik, N-total, Posfor, Kalium. Hasil penelitian menunjukkan areal pertanaman pala bertekstur lempung-lempung liat berpasir, struktur tanah granuler-remah, permeabilitas agak cepat-sangat lambat, *bulk density* (BD) sedang-tinggi, *particle density* (PD) sangat rendah, kadar air titik layu permanen dan kapasitas lapang, persen pori sangat rendah, pH masam hingga netral, kandungan C-organik sedang-sangat rendah, N-Total rendah-sedang, posfor sedang-tinggi, Kalium rendah. Sehingga karakteristik tanah di areal pertanaman pala memenuhi syarat untuk budidaya pala dengan catatan perlu menambahkan pupuk urea untuk kebutuhan unsur N dan pupuk SP36 untuk kebutuhan fosfat.

Kata kunci: Sifat Fisik dan Sifat Kimia Tanah, Tanaman Pala

LAJEFRI LAJUMA NPM: 04391811015.SOIL
STUDY OF THE PHYSICAL AND CHEMICAL PROPERTIES OF THE SOIL
IN THE NUTMEG GROWING AREA IN THE SUB-DISTRICT RUM SUB-
DISTRICT TIDORE NORTH CITY TIDORE ARCHIPELAGO

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SUMMARY

Soil physical properties are the properties of the domain related to soil fertility and affect growth so that soil physical properties can be used as indicators of soil degradation in drylands. The chemical properties of soil are the chemical elements that are recorded in it, such as soil pH and coal element content, which are the chemical properties of soil in the overall chemical reaction that takes place between soil preparation and soil preparation and materials added in the form of fertilizers or other soil enhancers, Rum Village is one of the centers of nutmeg plantations in North Maluku. So it is necessary to conduct research on the study of the physical and chemical properties of soil in nutmeg plantations in Rum Village, North Tidore District, Tidore Islands City. The analysis of soil physical properties was conducted at the Soil Laboratory of Khairun University in Ternate and the analysis of soil chemical properties was conducted at the Chemistry and Soil Fertility Laboratory of Hasanuddin University, Soil samples were taken from each composite to be analyzed in the laboratory, soil analysis includes texture, structure, permeability, bulk densin (BD), particle densin (PD), water content, percent pore, pH. bulk densin (BD), particle densin (PD), moisture content, pore percent, Ph, C-organic, N-total, phosphorus, potassium. The results showed that the nutmeg plantation area has a sandy clay loam texture, granular-reman soil structure, moderately fast-slow permeability, medium-high bulk densin (BD), very low particle densin (PD), permanent wilting point moisture content and field capacity, very low port percent. pH is acidic to neutral, C-organic content is medium-very low, N-total is low-medium, phosphorus is medium-high, Potassium is low. So that the soil characteristics in the nutmeg plantation area are eligible for nutmeg cultivation with a note of adding urea fertilizer for N requirement and SP36 fertilizer for phosphate requirements.

Kata kunci: Physical Properties and Chemical Properties. Nutmeg plant