SHASKIA ANDI DARWIS, KAJIAN STATUS KESUBURAN KIMIA TANAH PADA LAHAN KEBUN CAMPURAN DAN SEMAK BELUKAR DI DESA GALALA KECAMATAN OBA UTARA, KOTA TIDORE KEPULAUAN PROVINSI MALUKU UTARA

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RINGKASAN

Penelitian ini bertujuan untuk mengetahui status kesuburan kimia tanah pada lahan kebun campuran dan Semak belukar. Penelitian ini dilakukan pada bulan juli-agustus 2024. Berlokasi di Desa Galala. Pengambilan sampel tanah dilakukan dengan metode observasi lapangan dan analisis laboratorium. Pengambilan sampel tanah dilakukan pada kebun campuran dan Semak belukar. Analisis data dengan cara petunjuk Teknis Evaluasi Kesuburan Tanah (PPT, 1995) dan Kombinasi Sifat Kimia Tanah dan Status Kesuburan Tanah (1983) dan penelitian ini menunjukan rata-rata sifat kimia tanah pada kebun campuran dan semak belukar meliputi kemasaman tanah (pH) tergolong netral (7,2 dan 7), C-Organik tergolong rendah (1,65% dan 1,78%), KTK tanah tergolong sedang (21,25 dan 22,17), Kejenuhan Basa (KB) tergolong rendah dan sedang (35% dan 37%), unsur hara Nitrogen tergolong rendah (0,12% dan 0,19%), phosphor tergolong tinggi (22,35 dan 28,54), Kalium tergolong sangat rendah dan rendah (9,63 dan 14,15). Rata-rata kesuburan kimia tanah pada kebun campuran dan Semak belukar sama-sama rendah. Pengelolaan tanah yang dapat dilakukan untuk memperbaiki kesuburan tanah melalui pemberian bahan organic dan pengapuran, dilanjutkan pemupukan dengan menggunakan pupuk KCL. Selain itu tindakan konservasi tanah meliputi tanaman pupuk hijau juga di perlukan dalam Upaya mencegah erosi tanah, meningkatkan bahan organic dan unsur hara tanah terutama nitrogen dan meningkatkan KTK.

Kata kunci: Kesuburan Kimia Tanah, Status Kesuburan Tanah, Tindakan Konservasi

SHASKIA ANDI DARWIS, STUDY OF SOIL CHEMICAL FERTILITY STATUS ON MIXED GARDEN AND SHRUBS LAND IN GALALA VILLAGE, OBA UTARA DISTRICT, TIDORE CITY, NORTH MALUKU ISLANDS PROVINCE
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SUMMARY

This study aims to determine the status of soil chemical fertility on mixed garden and shrub land. This study was conducted in July-August 2024. Located in Galala Village. Soil sampling was carried out using field observation and laboratory analysis methods. Soil sampling was carried out on mixed gardens and shrubs. Data analysis using the Technical Guidelines for Soil Fertility Evaluation (PPT, 1995) and the Combination of Soil Chemical Properties and Soil Fertility Status (1983) and this study showed that the average chemical properties of the soil in mixed gardens and shrubs include soil acidity (pH) is neutral (7.2 and 7), C-Organic is low (1.65% and 1.78%), soil CEC is moderate (21.25 and 22.17), Base Saturation (KB) is low and moderate (35% and 37%), Nitrogen nutrients are low (0.12% and 0.19%), phosphorus is high (22.35 and 28.54), Potassium is very low and low (9.63 and 14.15). The average chemical fertility of the soil in mixed gardens and shrubs is equally low. Soil management that can be done to improve soil fertility is through the provision of organic matter and liming, followed by fertilization using KCL fertilizer. In addition, soil conservation measures including green manure plants are also needed in efforts to prevent soil erosion, increase organic matter and soil nutrients, especially nitrogen, and increase CEC.
Keywords: Soil Chemical Fertility, Soil Fertility Status, Conservation Measures