

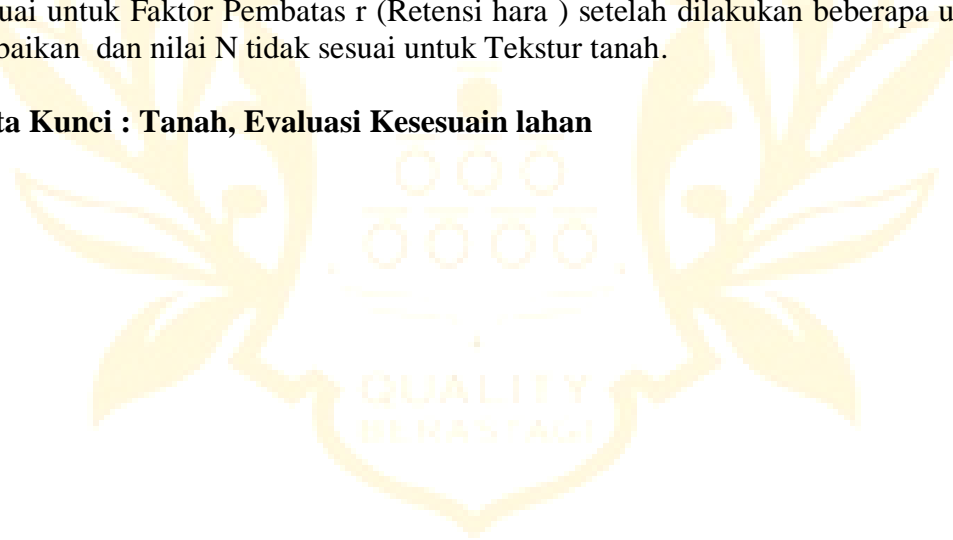
ABSTRAK

Tujuan dari penelitian adalah untuk mengevaluasi kesesuaian Lahan Jeruk di Desa Suka Kecamatan Tigapanah Kabupaten Karo. Penelitian ini dilaksanakan dimulai pada bulan Maret sampai Juli 2021 dilapangan dan Laboratorium. Penelitian ini dilakukan dalam 3 tahap : (1) tahap persiapan dan survai pendahuluan (2) survai utama untuk pengambilan contoh tanah (3) Analisis laboratorium.

Tahap Persiapan dan Survai Pendahuluan pengumpulan data sekunder mengenai lokasi yang akan dilakukan penelitian. Data-data tersebut meliputi, dan peta topografi. *Survai Utama dan Pengambilan Sampel Tanah* Pengambilan contoh tanah dilakukan pada 2 tipe lahan. *Analisis laboratorium* tekstur, Particle Size Distribution, Organic Carbon/Loss on Ignition/ Organic matter, Total N, C.E.C, Kdd, pH - H₂O (1 : 2.5), pH , P₂O₅, K₂O, Ca, Mg ,Fe , masing - masing, Total P (Percloric/sulphuric), Exchangeable – Al + H.

Hasil penelitian menunjukkan bahwa evaluasi lahan di Desa Suka Kecamatan Tigapanah Kabupaten Karo pada lahan 1 mempunyai kesesuaian lahan yang masih baik atau berada di kelas S1 (Sangat sesuai) Sedangkan untuk Kesesuaian Lahan Jeruk Pada lahan 2 memiliki nilai kesesuaian lahan pada kelas S2 Cukup Sesuai untuk Faktor Pembatas r (Retensi hara) setelah dilakukan beberapa usaha perbaikan dan nilai N tidak sesuai untuk Tekstur tanah.

Kata Kunci : Tanah, Evaluasi Kesesuaian lahan



ABSTRACT

The study aims to determine is to evaluate the suitability of the Jeruk Land in Suka Village, Tigapanah District, Karo Regency. This research was carried out starting from March to July 2021 in the field and laboratory. This research was carried out in 3 stages: (1) preparation stage and preliminary survey (2) main survey for taking soil samples (3) Laboratory analysis.

Preparation and Preliminary Survey Stage secondary data collection regarding the location to be researched. These data include, and topographic maps. Main Survey and Soil Sampling Soil sampling was carried out on 2 types of land. Laboratory analysis of texture, Particle Size Distribution, Organic Carbon/Loss on Ignition/ Organic matter, Total N, C.E.C, Kdd, pH - H₂O (1: 2.5), pH , P₂O₅, K₂O, Ca, Mg ,Fe, respectively, Total P (Perchloric/sulphuric), Exchangeable – Al + H.

The results showed that the evaluation of land in Suka Village, Tigapanah District, Karo Regency on land 1 had good land suitability or was in class S1 (Very suitable) Sedangkan for Land Suitability Orange On land 2 had a land suitability value in class S2 Quite suitable for Factors The limiting r (nutrient retention) after several improvements was made and the N value was not suitable for soil texture.

Keywords: Soil, Land suitability evaluation

