

**EVALUASI KESUBURAN LAHAN DI NAGARI LUBUK  
ULANG ALING SELATAN KECAMATAN SANGIR  
BATANG HARI KABUPATEN SOLOK SELATAN**

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DHARMASRAYA  
2022**

# EVALUASI KESUBURAN LAHAN DI NAGARI LUBUK ULANG ALING SELATAN KECAMATAN SANGIR BATANG HARI KABUPATEN SOLOK SELATAN

## ABSTRAK

Evaluasi kesuburan lahan digunakan untuk menduga masalah keharaan dalam suatu luasan lahan yang secara langsung berhubungan dengan produktifitas tanaman Nagari Lubuk Ulang Aling Selatan, Kecamatan Sangir Batang Hari, Kabupaten Solok Selatan dipilih sebagai lokasi penelitian, karena dulunya nagari tersebut adalah tempat pertambangan emas yang sekarang beralih fungsi menjadi lahan pertanian. Tujuan dari penelitian ini adalah untuk mengetahui tingkat kesuburan lahan berdasarkan peta satuan lahan (SL) di nagari tersebut. Pengambilan sampel tanah dan pengamatan lapangan dilakukan di Nagari Lubuk Ulang Aling Selatan, sedangkan analisis sampel tanah dilaksanakan di Laboratorium Balai Pengkajian Teknologi Pertanian (BPTP) Solok, Sumatera Barat. Kajian dimulai dengan pembuatan peta SL dengan meng overlay peta jenis tanah, peta lereng dan peta penggunaan lahan. Metode *purposive sampling* digunakan untuk penentuan lokasi sampel. Diambil sembilan satuan tanah dan masing-masing satuan tanah komposit dianalisis sifat kimianya di laboratorium yang meliputi KTK, KB, C-organik, total P dan K tanah. Kemudian dilakukan evaluasi lebih lanjut dari status kesuburan lahan sesuai petunjuk teknis Balai Penelitian Tanah, Bogor (1995). Hasil penelitian evaluasi kesuburan lahan di Nagari Lubuk Ulang Aling Selatan memiliki tingkat kesuburan yang rendah pada setiap satuan lahannya. Parameter kesuburan lahan menjadi kendala dalam menentukan tingkat kesuburan lahan, dalam kandungan C-organik dan P total yang rendah. Arah pengelolaan kesuburan untuk semua satuan lahan disarankan pemberian bahan organik serta pupuk P untuk meningkatkan kesuburan lahan di daerah tersebut.

Kata kunci: C-organik, evaluasi kesuburan lahan, P-total, satuan lahan

# **EVALUATION OF LAND FERTILITY IN SOUTH LUBUK ULANG ALING SANGIR BATANG HARI SUB-DISTRICT OF SOUTH SOLOK DISTRICT**

## **ABSTRACT**

Evaluation of soil fertility is used to estimate the nutrient problem in a land that are directly related to crop productivity. South Lubuk Ulang Aling Village, Sangir Batang Hari Sub-district, South Solok District was chosen as the research site, because there was a gold mining area which is now converted into agricultural land. The objective of this study was to determine the level of land fertility based on the land unit (LU) map on that area. Soil sampling and field observations were conducted in South Lubuk Ulang Aling Village, while soil sample analysis was carried out at the Laboratory of the Agricultural Technology Assessment Center Sukarami Solok, West Sumatra. The study was begins by created a map of land units by overlay map of the soil type, slope map, and the land use map. Purposive sampling method was used to determine the location of sampling. Nine soil units were taken and each unit of soil composite was analyzed its chemical properties in the laboratory included CEC,BS, C-organic, Total P and K. Then a further evaluation of the land fertility status was carried out according to the technical instructions of the Soil Research Center, Bogor (1995). The results of the study evaluation of land fertility in South Lubuk Ulang Aling Village was in a low fertility rate in each land unit. The soil fertility parameters are an obstacle in determining the fertility rate of the land, in the low content of C-organic and P total. Directives of fertility management for all land units are recommended to provide organic matters and P fertilizers to increase soil fertility in that area.

Key words:C-organic, evaluation of land fertility, P-total, land unit