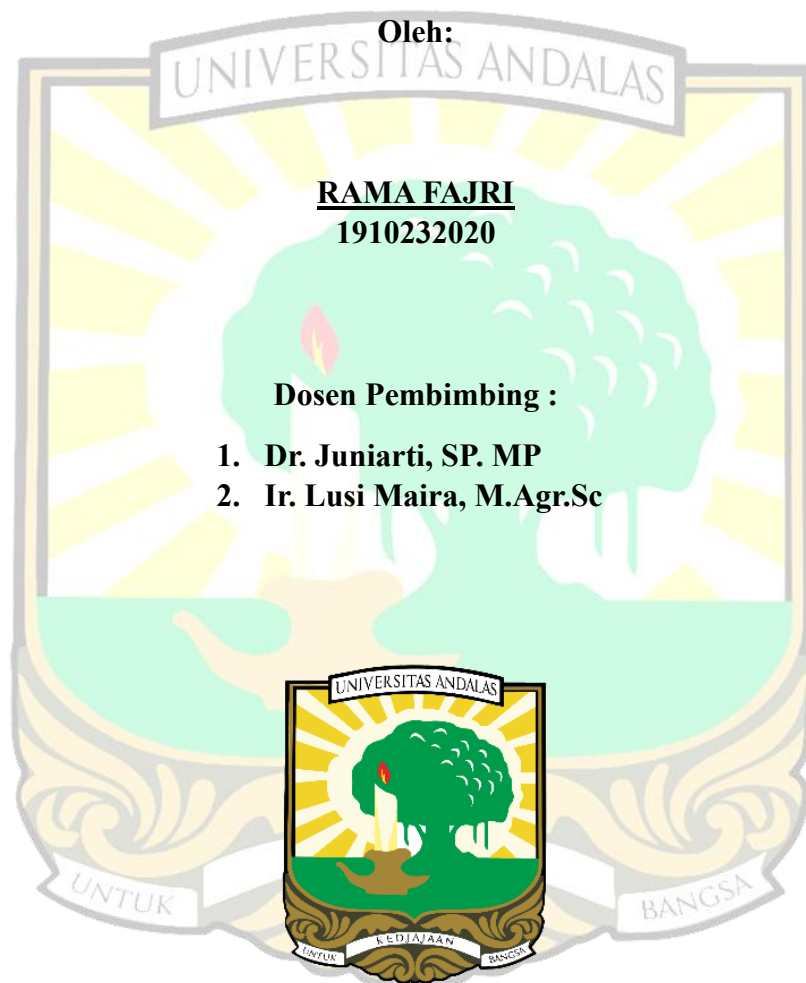


**EVALUASI KESESUAIAN LAHAN TANAMAN ROTAN
JERNANG (*Daemonorops draco*) DI NAGARI PADANG
GANTIANG KECAMATAN SANGIR JUJUAN
KABUPATEN SOLOK SELATAN**

SKRIPSI



**FAKULTAS PERTANIAN
UNIVERSITAS ANDALAS
PADANG
2026**

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ABSTRAK

Rotan jernang (*Daemonorops draco*) merupakan hasil hutan bukan kayu bernilai ekonomi tinggi yang menghasilkan resin merah (dragon's blood) dan banyak dimanfaatkan pada berbagai industri. Tingginya permintaan pasar tidak sebanding dengan ketersediaan bahan baku akibat menurunnya populasi jernang di alam, sehingga diperlukan upaya pengembangan budidaya yang berkelanjutan. Penelitian ini bertujuan untuk mengevaluasi kesesuaian lahan bagi pengembangan tanaman rotan jernang di Nagari Padang Gantiang, Kecamatan Sangir Jujuan, Kabupaten Solok Selatan. Penelitian dilaksanakan pada Februari-Juli 2025 menggunakan metode survei. Pengambilan sampel tanah dilakukan secara *stratified random sampling* berdasarkan luasan satuan lahan. Satuan lahan dengan luas kurang dari 100 ha diambil 1 sampel; satuan lahan dengan luas 100-200 ha diambil 2 sampel; satuan lahan dengan luas lebih dari 200 ha diambil 3 sampel. Sampel tanah diambil pada kedalaman 30 cm. Pengklasifikasian kesesuaian lahan untuk tanaman rotan jernang di Nagari Padang Gantiang Kecamatan Sangir Jujuan dilakukan dengan metode *matching* yang mengacu pada petunjuk Evaluasi Lahan Untuk Komoditas Pertanian. Hasil penelitian menunjukkan bahwa kesesuaian lahan untuk tanaman rotan jernang di Nagari Padang Gantiang Kecamatan Sangir Jujuan pada satuan lahan I sampai VII memiliki kesesuaian lahan S3nr (Sesuai Marginal) dengan faktor pembatas retensi hara yaitu kejenuhan basa dan pH H₂O dengan luasan 5118,18 ha.

Kata Kunci: *Evaluasi Kesesuaian Lahan, Nagari Padang Gantiang, Rotan Jernang*



LAND SUITABILITY EVALUATION FOR DRAGON’S BLOOD RATTAN (*Daemonorops draco*) IN NAGARI PADANG GANTIANG SANGIR JUJUAN SUB-DISTRICT SOUTH SOLOK REGENCY

ABSTRACT

Dragon’s blood rattan (*Daemonorops draco*) is a non-timber forest product with high economic value that produces a red resin known as dragon’s blood, which is widely used in various industries. The high market demand for dragon’s blood resin is not proportional to the availability of raw materials due to the declining population of *D. draco* in natural forests. Therefore, efforts to develop sustainable cultivation of dragon’s blood rattan are necessary. This study aimed to evaluate land suitability for the development of dragon’s blood rattan in Nagari Padang Gantiang, Sangir Jujuan Sub-district, South Solok Regency. The study was conducted from February to July 2025 using a survey method. Soil sampling was carried out using stratified random sampling based on land unit area. One soil sample was taken from land units with an area of less than 100 ha, two samples from land units with an area of 100–200 ha, and three samples from land units with an area of more than 200 ha. Soil samples were collected at a depth of 30 cm. Land suitability classification for dragon’s blood rattan in Nagari Padang Gantiang, Sangir Jujuan Sub-district, was performed using the matching method based on the Land Evaluation Guidelines for Agricultural Commodities. The results showed that land suitability for dragon’s blood rattan in land units I to VII was classified as S3nr (marginally suitable), with nutrient retention as the main limiting factor, particularly base saturation and soil pH (H₂O). The total area classified as S3nr land suitability covered 5,118.18 ha.

Keywords: *Dragon’s Blood Rattan, Land Suitability Evaluation, Nagari Padang Gantiang*

