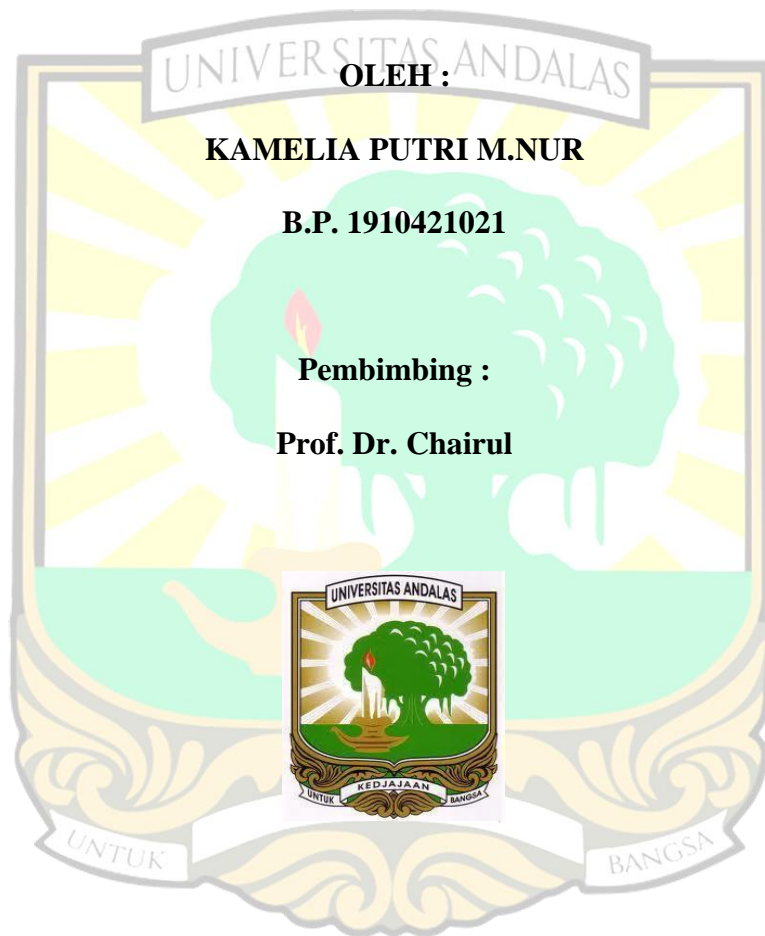


ANALISIS VEGETASI TUMBUHAN BAWAH DI KAWASAN *GEOPARK*

SILOKEK, KABUPATEN SIJUNJUNG

SKRIPSI SARJANA BIOLOGI



DEPARTEMEN BIOLOGI

FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM

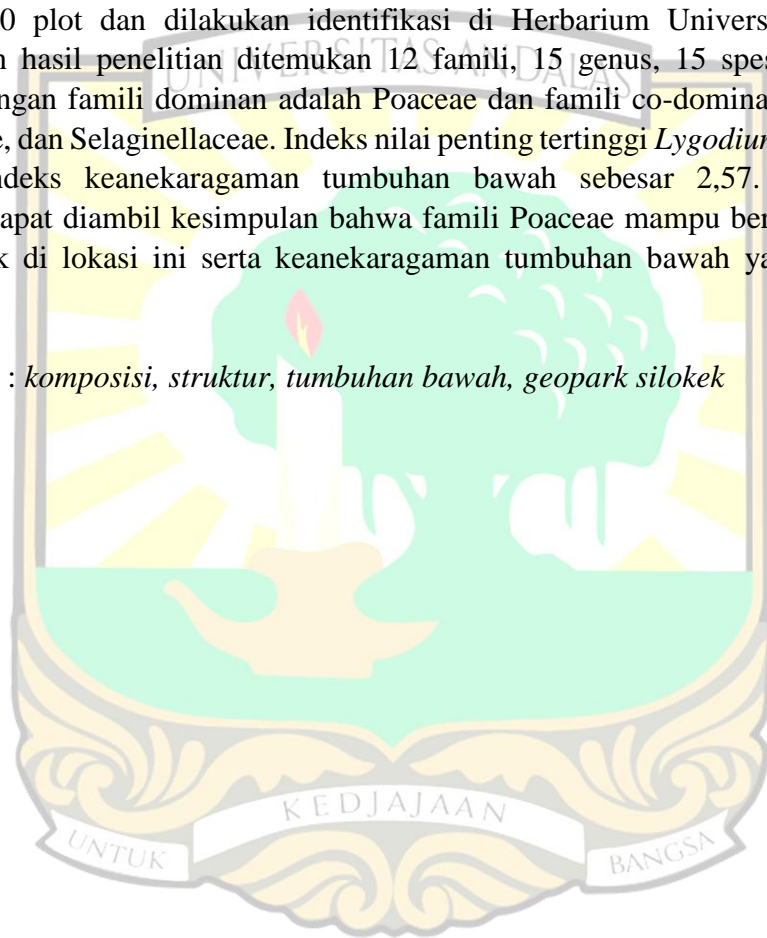
UNIVERSITAS ANDALAS

PADANG, 2023

ABSTRAK

Penelitian tentang analisis vegetasi tumbuhan bawah di Kawasan *Geopark* Silokek, Kabupaten Sijunjung telah dilaksanakan pada bulan September sampai Desember 2022. Penelitian ini bertujuan untuk mengetahui komposisi dan struktur tumbuhan bawah pada Kawasan *Geopark* Silokek, Kabupaten Sijunjung. Analisis vegetasi dilakukan dengan menggunakan metode transek secara *purposive sampling* dengan peletakan plot di kanan dan kiri transek, dengan plot ukuran 2x2 m. Plot dibuat sebanyak 10 plot dan dilakukan identifikasi di Herbarium Universitas Andalas. Berdasarkan hasil penelitian ditemukan 12 famili, 15 genus, 15 spesies, dan 103 individu dengan famili dominan adalah Poaceae dan famili co-dominan Asteraceae, Schizaeceae, dan Selaginellaceae. Indeks nilai penting tertinggi *Lygodium circinnatum* 30,79%. Indeks keanekaragaman tumbuhan bawah sebesar 2,57. Berdasarkan penelitian dapat diambil kesimpulan bahwa famili Poaceae mampu berkembangbiak dengan baik di lokasi ini serta keanekaragaman tumbuhan bawah yang tergolong sedang.

Kata kunci : *komposisi, struktur, tumbuhan bawah, geopark silokek*



ABSTRACT

Research on the analysis of undergrowth vegetation in the Silokek Geopark Area, Sijunjung Regency was carried out from September to December 2022. This study aims to determine the composition and structure of the undergrowth in the Silokek Geopark Area, Sijunjung Regency. Vegetation analysis was carried out by using the transect method and purposive sampling by placing plots on the right and left of the transect, with a plot size of 2x2 m. There are ten plots were created and species identification was carried out at the Andalas University Herbarium. Based on the results of the study, 12 families, 15 genera, 15 species, and 103 individuals were found with the dominant family being Poaceae and the co-dominant families Asteraceae, Schizaeceae, and Selaginellaceae. The highest important value index of *Lygodium circinnatum* is 30.79%. Understorey diversity index of 2.57. Based on the research, it can be concluded that the Poaceae family is able to reproduce well in this location and the diversity of understoreys is classified as moderate. It is recommended that local governments and local communities protect the biodiversity in this area.

Keywords : *composition, structure, undergrowth, silokek geopark*

