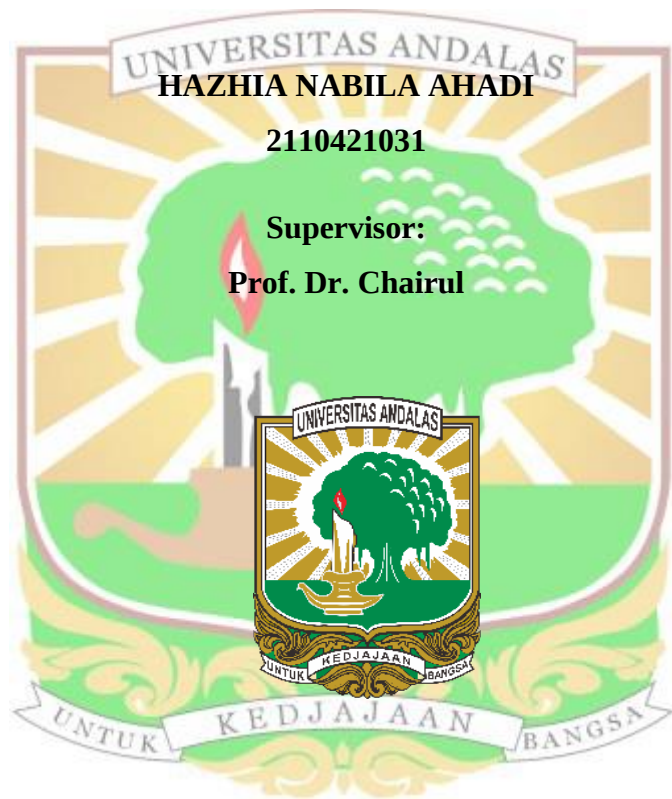


**VEGETATION ANALYSIS OF SAPLINGS IN THE PADANG JANIAH
COMMUNITY FOREST (HKm), LAMBUNG BUKIK, PADANG**

UNDERGRADUATE THESIS

By:



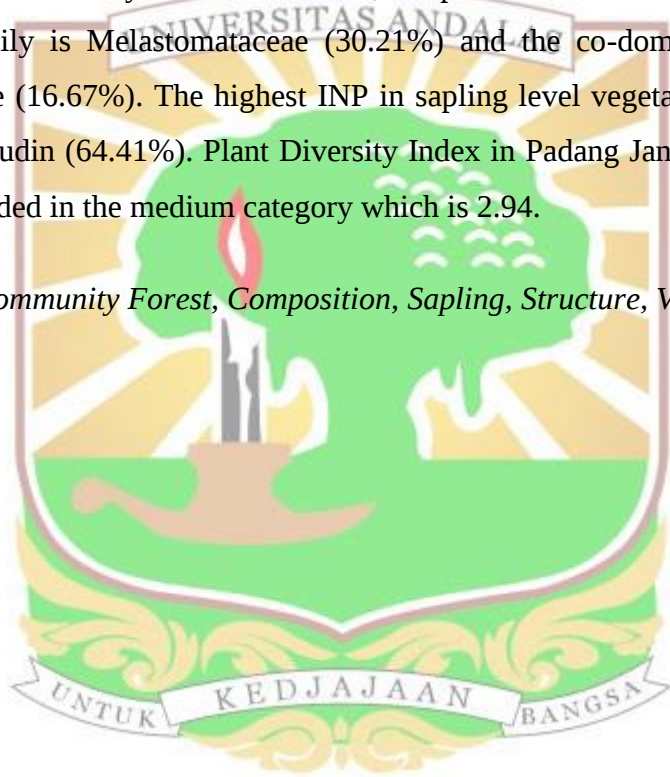
**BIOLOGY DEPARTMENT
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
ANDALAS UNIVERSITY
PADANG**

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ABSTRACT

This study aims to determine the composition and structure of saplings in the Community Forest Area (HKm) Padang Janiah, Lambung Bukik Village, Padang City. This research was conducted from December 2024 to February 2025. Vegetation analysis was carried out by using a combination method of belt transects and quadrat plots determined by purposive sampling. In the transect, 20 plots (5x5 m) were systematically placed alternately on both sides of the belt transect. Based on the results of the study found 23 families, 36 species and 96 individuals with the dominant family is Melastomataceae (30.21%) and the co-dominant family is Euphorbiaceae (16.67%). The highest INP in sapling level vegetation is *Bellucia pentamera* Naudin (64.41%). Plant Diversity Index in Padang Janiah Community Forest is included in the medium category which is 2.94.

Keywords: *Community Forest, Composition, Sapling, Structure, Vegetation*



ABSTRAK

Penelitian ini bertujuan untuk mengetahui komposisi dan struktur sapling di Kawasan Hutan Kemasyarakatan (HKm) Padang Jariah, Kelurahan Lambung Bukik, Kota Padang. Penelitian ini dilaksanakan pada bulan Desember 2024 hingga Februari 2025. Analisis vegetasi dilakukan dengan menggunakan metode kombinasi belt transek dan plot kuadrat, dengan peletakan transek ditentukan secara purposive sampling. Pada transek dibuat 20 plot (5x5 m) secara sistematis selang-seling di kedua sisi transek sabuk. Berdasarkan hasil penelitian ditemukan 23 famili, 36 spesies dan 96 individu dengan famili dominan adalah Melastomataceae (30,21%) dan famili Co-dominan adalah Euphorbiaceae (16,67%). INP tertinggi pada vegetasi tingkat sapling adalah *Bellucia pentamera* Naudin (64,41%). Indeks Keanekaragaman Tumbuhan di Hutan Kemasyarakatan Padang Jariah termasuk dalam kategori sedang yaitu 2,94.

Kata Kunci: *Hutan Kemasyarakatan, Komposisi, Sapling, Struktur, Vegetasi*

