

**ANALISIS VEGETASI STRATA POHON DI KAWASAN
HUTAN LINDUNG KENAGARIAN PADANG
MENTINGGI, KECAMATAN RAO, KABUPATEN
PASAMAN**

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ABSTRAK

Analisis vegetasi merupakan suatu cara untuk mempelajari susunan (komponen jenis) dan bentuk (struktur) vegetasi. Penelitian telah dilaksanakan pada bulan Februari-Mei 2022. Penelitian ini bertujuan untuk mengetahui komposisi dan struktur vegetasi strata pohon di kawasan hutan lindung Kenagarian Padang Mentinggi, Kecamatan Rao, Kabupaten Pasaman. Metode yang digunakan adalah metode transek dengan penentuan lokasi secara *purposive sampling* dan peletakan plot secara sistematis dengan ukuran plot 10 x 10 m. Adapun hasil yang didapatkan 16 famili, 18 genus, 19 spesies dan 78 individu. Famili dominan adalah Pentaphylacaceae (33.33%) sedangkan famili co-dominan Rubiaceae (16.67%) dan Sapindaceae (12.82%). Indeks nilai penting tertinggi yaitu *Eurya acuminata* DC. di dapatkan sebesar (72.56%). Indeks keanekaragaman spesies tingkat pohon dikawasan ini tergolong sedang ($H' = 2.327$).

Kata kunci: Line Transek, Komposisi, *Purposive sampling*, Struktur.



ABSTRACT

Vegetation analysis is a way to study the composition (component of species) and form (structure) of vegetation. The research was carried out from February to May 2022. The purpose of this study is to ascertain the composition and structure of the tree strata vegetation in the Kenagarian Padang Mentinggi protected forest area in the Rao District, Pasaman Regency. The technique employed is transect method, which involves purposive sampling to pinpoint the spot and systematically laying out plots with a 10 x 10 m size. The results obtained were 16 families, 18 genera, 19 species, and 78 individuals. The dominant family is Pentaphylacaceae (33.33%) while the co-dominant families are Rubiaceae (16.67%) and Sapindaceae (12.82%). The highest important value index is *Eurya acuminata*, which was obtained at 72.56%. The tree-level species diversity index in this area is classified as moderate ($H' = 2.327$).

Keywords: Line Transect, Composition, Purposive sampling, Structure.

