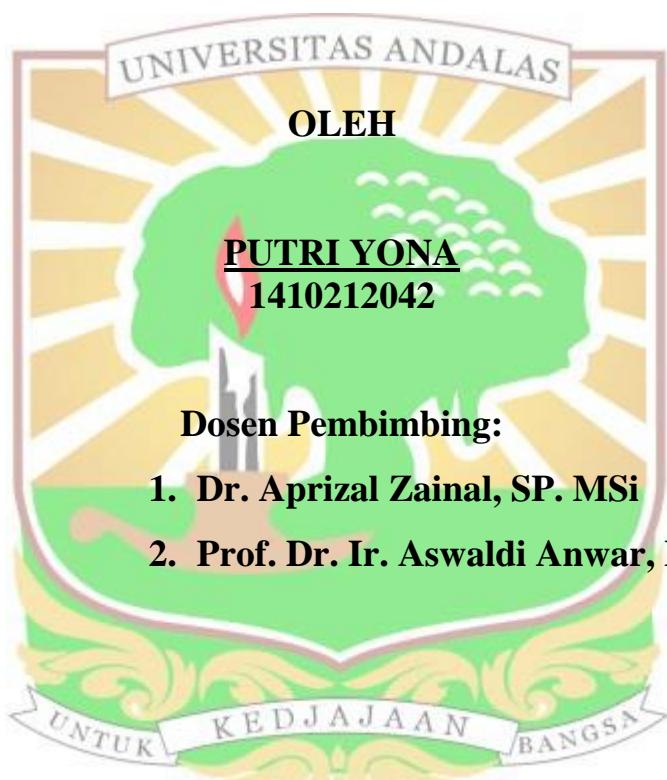


**EKSPLORASI DAN KARAKTERISASI MORFOLOGI
TANAMAN JENGKOL (*Pithecellobium jiringa* (Jack) DI
KABUPATEN PADANG PARIAMAN SUMATERA BARAT**

SKRIPSI



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UNIVERSITAS ANDALAS
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ABSTRAK

Tanaman jengkol (*Pithecellobium jiringa* (Jack) merupakan tanaman tahunan yang memiliki prospek ekonomi dan kandungan gizi yang tinggi, namun belum menjadi perhatian pihak-pihak terkait. Penelitian ini bertujuan untuk menemukan dan mengkarakterisasi secara morfologi tanaman jengkol yang ada di Kabupaten Padang Pariaman, serta mendapatkan informasi tentang keragaman karakter sebagai langkah awal pelestarian plasma nutfah tanaman jengkol. Penelitian ini telah dilaksanakan di Kecamatan Ulakan Tapakis, Kecamatan V Koto Timur, Kecamatan Sungai Limau, Kecamatan Kayu Tanam, Kecamatan Sungai Geringging, dan Kecamatan IV Koto Aur Malintang pada bulan September sampai Desember 2018. Penelitian ini menggunakan metode survey dengan pengambilan sampel secara *purposive sampling*. Data hasil pengamatan secara morfologi dianalisis secara deskriptif dan ditampilkan dalam bentuk tabel dan gambar. Analisis keragaman dilakukan menggunakan program NTSYSpc 2.02i. Berdasarkan survei dan informasi dilapangan, didapatkan 4 tipe buah yaitu *jengkol biasa* sebanyak 18,18%, *jengkol bareh* sebanyak 41,82%, *jengkol kabau* sebanyak 27,27%, dan *jengkol lokan* sebanyak 12,73% dari 55 sampel. Data pengelompokan dari 55 sampel yang diamati pada karakter kualitatif didapatkan 2 kelompok besar pada tingkat kemiripan 35%, kelompok I didominasi jengkol biasa, kelompok II didominasi jengkol bareh. Variabilitas fenotipe yang luas terdapat pada panjang helaian daun, sudut daun dan berat biji.

Kata kunci : *Tanaman jengkol, Karakterisasi, Morfologi, Keragaman.*

**EXPLORATION AND CHARACTERIZATION MORPHOLOGY OF
Pithecellobium jiringa (Jack) IN PADANG PARIAMAN DISTRICT
WEST SUMATRA PROVINCE**

ABSTRACT

Pithecellobium jiringa (Jack) is an annual plant that has high economic prospects and nutritional content, but has not been a concern of related parties. This study aims to find and characterize the morphology of the *Pithecellobium jiringa* (Jack) in Padang Pariaman District, and obtain information about the diversity of characters as an initial step to preserve the germplasm of them. This research has been carried out in Subdistricts of : Ulakan Tapakis, V Koto Timur, Sungai Limau, Kayu Tanam, Sungai Geringging, and IV Koto Aur Malintang from September to December 2018. This research has been done by survey method and data were collected through purposive sampling. The morphological data were analyzed descriptively and displayed in tables and figures. Diversity analysis was carried out using the NTSYSpc 2.02i program. Based on the survey and information in the field, there were 4 types of fruit, *jengkol biasa* as much 18,18%, *jengkol bareh* as much 41.82%, *jengkol kabau* as much 27,27%, and *jengkol lokan* as much 12.73% from 55 samples. Grouping data from 55 samples observed in qualitative characters found 2 large groups at 35% similarity level, group I was dominated by *jengkol biasa*, group II was dominated by *jengkol bareh*. Wide phenotype variability is found in leaf length, leaf angle and seed weight.

Keywords: *Pithecellobium jiringa* (Jack), characterization, morphology, diversity.