

**KAJIAN PORI AIR TERSEDIA TANAH PADA BEBERAPA
UMUR TANAMAN KOPI ARABIKA (*Coffea arabica*) DI
KENAGARIAN AIE DINGIN DAN SIMPANG TANJUNG NAN
IV KABUPATEN SOLOK**

SKRIPSI



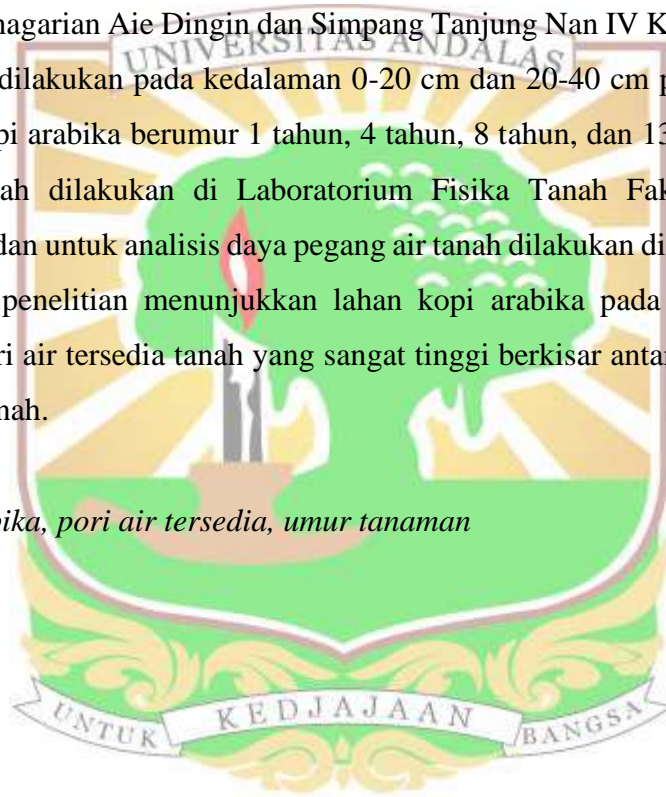
**PROGRAM STUDI ILMU TANAH
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SIMPANG TANJUNG NAN IV KABUPATEN SOLOK**

Abstrak

Penelitian mengenai pori air tersedia tanah pada beberapa umur tanaman kopi arabika (*Coffea arabica*) telah dilaksanakan di Kenagarian Aie Dingin dan Simpang Tanjung Nan IV Kabupaten Solok dari bulan Juni hingga Desember 2020. Penelitian ini bertujuan untuk mengkaji pori air tersedia tanah pada lahan kopi arabika pada beberapa tingkatan umur di Kenagarian Aie Dingin dan Simpang Tanjung Nan IV Kabupaten Solok. Pengambilan sampel dilakukan pada kedalaman 0-20 cm dan 20-40 cm pada kemiringan 8-15% pada lahan kopi arabika berumur 1 tahun, 4 tahun, 8 tahun, dan 13 tahun. Analisis pori air tersedia tanah dilakukan di Laboratorium Fisika Tanah Fakultas Pertanian Universitas Andalas, dan untuk analisis daya pegang air tanah dilakukan di Balai Penelitian Tanah Bogor. Hasil penelitian menunjukkan lahan kopi arabika pada beberapa umur tanaman memiliki pori air tersedia tanah yang sangat tinggi berkisar antara 19.3 - 27.5 % pada kedua lapisan tanah.

Kata kunci: kopi arabika, pori air tersedia, umur tanaman



**STUDY ON PLANT AVAILABLE WATER AT SEVERAL AGES OF
ARABICA COFFE (*Coffea arabica*) PLANT IN AIE DINGIN AND
SIMPANG TANJUNG NAN IV, SOLOK REGENCY**

Abstract

A research on plant available water at several ages of Arabica coffee (*Coffea arabica*) plants was carried out in Kenagarian Aie Dingin and Simpang Tanjung Nan IV, Solok Regency from June to December 2020. This research was aimed to examine plant available water on Arabica coffee fields in several age levels in Kenagarian Aie Dingin and Simpang Tanjung Nan IV, Solok Regency. Sampling was taken at of 0-20 cm and 20-40 cm soil depths of 8-15% at Arabica coffee fields having 1, 4, 8 and 13 years old. Analysis of plant available water was carried out at the Soil Physics Laboratory, Faculty of Agriculture, Andalas University, and analysis of soil water holding capacity was carried out at the Bogor Soil Research Institute. The results of the research show at Arabica coffee fields at several plant ages had very high plant available water (19.3 - 27.5%) in both soil layers.

Key words: Arabica coffee, available pore water, plant age

