

**KARAKTERISASI MORFOLOGI BEBERAPA GENOTIPE
CABAI MERAH KERITING (*Capsicum annum* L.) LOKAL
SUMATRA BARAT**

SKRIPSI



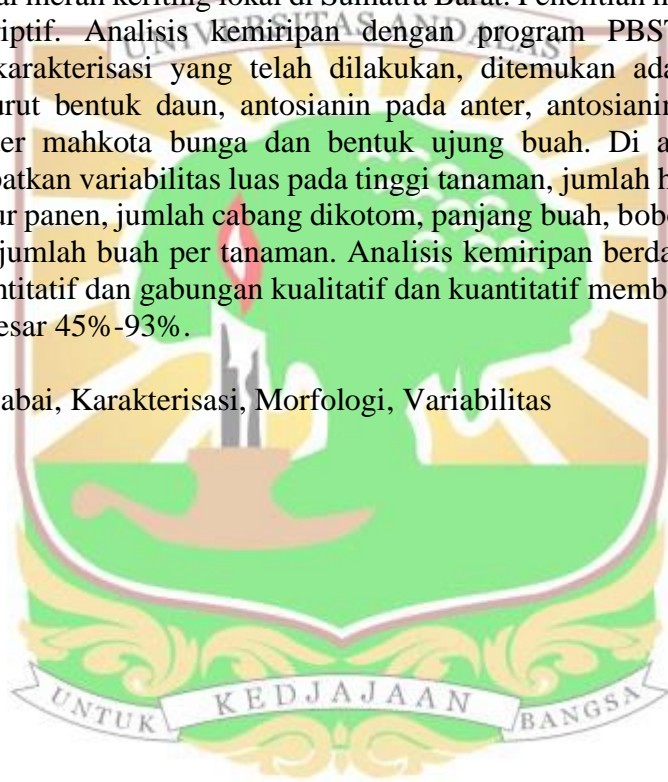
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Abstrak

Kegiatan karakterisasi cabai lokal di Sumatra Barat bertujuan untuk melestarikan plasma nutfah cabai lokal sebagai sumber daya genetik yang dapat digunakan dalam program pemuliaan cabai di masa mendatang, maka sebagai langkah awal dalam mengetahui keanekaragaman dan menemukan sifat unggul, perlu dilakukan karakterisasi ciri morfologi cabai merah keriting. Penelitian ini bertujuan untuk mengetahui karakteristik morfologi, keragaman karakter dan kemiripan cabai merah keriting lokal di Sumatra Barat. Penelitian ini menggunakan metode deskriptif. Analisis kemiripan dengan program PSTAT-CL 2.1.2. Berdasarkan karakterisasi yang telah dilakukan, ditemukan adanya perbedaan karakter menurut bentuk daun, antosianin pada anter, antosianin pada filamen, warna sekunder mahkota bunga dan bentuk ujung buah. Di antara sifat-sifat tersebut, didapatkan variabilitas luas pada tinggi tanaman, jumlah helai daun, umur berbunga, umur panen, jumlah cabang dikotom, panjang buah, bobot buah total per tanaman, dan jumlah buah per tanaman. Analisis kemiripan berdasarkan karakter kualitatif, kuantitatif dan gabungan kualitatif dan kuantitatif memberikan koefisien kemiripan sebesar 45%-93%.

Kata kunci : Cabai, Karakterisasi, Morfologi, Variabilitas



MORPHOLOGICAL CHARACTERIZATION OF SOME GENOTYPES OF LOCAL CURLY RED CHILI (*Capsicum annum* L.) IN WEST SUMATRA

Abstract

The characterization activity of local chili in West Sumatra aims to preserve local chili germplasm as a genetic resource that can be used in chili breeding programs in the future, so as a first step in knowing diversity and finding superior traits, it is necessary to characterize the morphological characteristics of curly red chili. This study aims to determine the morphological characteristics, character diversity and similarities of local curly red chilies in West Sumatra. This research uses a descriptive method. Analysis of similarity with the PBSTAT-CL 2.1.2 program. Based on the characterization that has been done, it was found that there were differences in characters according to leaf shape, anthocyanin in the anther, anthocyanin in the filament, secondary color of the flower crown and the shape of the tip of the fruit. Among these traits, wide variability was found in plant height, number of leaves, flowering age, harvest age, number of dichotomous branches, fruit length, total fruit weight per plant, and number of fruits per plant. Similarity analysis based on qualitative, quantitative and combined qualitative and quantitative characters gives a similarity coefficient of 45% -93%.

Keywords : Chili, Characterization, Morphology, Variability

