

ABSTRAK

ANALISIS PERSEBARAN DAN HUBUNGAN KEKERABATAN TANAMAN, SERTA KEANEKARAGAMAN VEGETASI PADA PERTANAMAN MANGGIS (*Garcinia mangostana L.*) DI KABUPATEN TASIKMALAYA

**Oleh:
SITI ZUBAEDAH
205001011**

**Dosen Pembimbing:
Adam Saepudin
Visi Tinta Manik**

Manggis merupakan tanaman potensial yang memiliki nilai ekonomi yang tinggi. Manggis mempunyai keragaman genetik sempit dan karakter yang sama dengan induknya, akan tetapi di lapangan menunjukkan variasi karakter morfologi pada tinggi tanaman, karakter daun, dan karakter buah. Penelitian ini bertujuan untuk mengetahui analisis persebaran dan hubungan kekerabatan manggis, serta keanekaragaman vegetasi pada pertanaman manggis di Kabupaten Tasikmalaya. Penelitian dilakukan dengan cara eksplorasi menggunakan metode petak tunggal. Sampel diambil dari Kecamatan Puspahiang, Kecamatan Sodonghilir, Kecamatan Mangunreja, Kecamatan Tanjungjaya, dan Kecamatan Sukaraja, Kabupaten Tasikmalaya. Data dianalisis menggunakan program aplikasi *NTSYSpc* 2.10e dan *ArcGIS* 10.8. Hasil analisis dendrogram menunjukkan 3 kelompok besar yaitu pada koefisien 0,73, koefisien 0,76, dan koefisien 0,77. Kelompok I koefisien 0,73 dari PS1, PS4, PS5, TJ1, TJ5, TJ4, SH3, SH5, SH1, SH2, dan SH4. Kelompok II koefisien 0,76 PS2, PS3, TJ2, TJ3, MJ5, SK4, SK1, SK2, SK3, dan SK5. Kelompok III koefisien 0,77 MJ1, MJ2, MJ4, dan MJ3. Rata-rata indeks keanekaragaman vegetasi pada pertanaman manggis di Kab. Tasikmalaya 0,48. Persebaran manggis di Kab. Tasikmalaya mengelompok, dengan hubungan kekerabatan yang dekat, dan keanekaragaman vegetasi yang rendah.

Kata kunci : Dendrogram, Keanekaragaman vegetasi, Manggis, Persebaran.

ABSTRACT

ANALYSIS OF DISTRIBUTION, KINSHIP RELATIONSHIP AND VEGETATIONS DIVERSITY OF MANGOSTEEN (*Garcinia mangostana* L.) FIELD IN TASIKMALAYA REGENCY

By:
SITI ZUBAEDAH
205001011

Under Guidance of:
Adam Saepudin
Visi Tinta Manik

Mangosteen is a potential plant that has economic value. Mangosteen has a narrow genetic diversity and the same character as its parent, but in the field shows variations in morphological characters ranging from plant height, leaf characters and fruit characters. This study aims to determine the distribution map of mangosteen, kinship relationships and vegetation diversity in mangosteen plantations in Tasikmalaya Regency. The research was conducted by exploration using single plot method. Samples were collected from Puspahiangan District, Sodonghilir District, Mangunreja District, Tanjungjaya District and Sukaraja District, Tasikmalaya Regency. The data were analyzed using *NTSYSpc* 2.10e and *ArcGIS* 10.8 application programs. The results of the analysis dendrogram show there are 3 major groups, namely at a coefficient of 0.73, a coefficient of 0.76, and a coefficient of 0.77 and clumped distribution. Group I coefficient 0.73 of PS1, PS4, PS5, TJ1, TJ5, TJ4, SH3, SH5, SH1, SH2 and SH4. Group II Coefficient 0.76 of PS2, PS3, TJ2, TJ3, MJ5, SK4, SK1, SK2, SK3 and SK5. Group III coefficient 0.77 of MJ1, MJ2, MJ4 and MJ3. The vegetation diversity index in mangosteen plantations Tasikmalaya Regency is average 0,48. The distribution of mangosteen in Tasikmalaya Regency is clumped, with close kinship relationships, and low vegetation diversity.

Keywords: Dendrogram, Distribution, Mangosteen, Vegetation diversity.