

ABSTRAK

KEANEKARAGAMAN VEGETASI HUTAN MANGROVE DI KAWASAN PANTAI PERCUT SEI TUAN DALAM PENGEMBANGAN BAHAN AJAR MATA KULIAH TAKSONOMI TUMBUHAN TINGGI

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Hutan *Mangrove* suatu tipe hutan yang tumbuh di daerah pasang surut, terutama di pantai yang terlindung, laguna dan muara sungai yang tergenang pada saat pasang dan bebas dari genangan pada saat surut yang komunitas tumbuhannya bertoleransi terhadap garam. Maka data-data dan informasi harus didapatkan, dikumpulkan, dan didistribusikan dengan menanyakan kepada masyarakat melalui survey lapangan. Penelitian ini berkontribusi pada mata kuliah Taksonomi Tumbuhan Tinggi dengan tujuan untuk mengetahui tingkat Keanekaragaman, Kerapatan, Dominansi dan Kesamaan Vegetasi Hutan *Mangrove* Untuk mengetahui keadaan fisik, meliputi parameter, pH tanah, Salinitas air dan Substrat Tanah di Kawasan Hutan Mangrove Kec.Percut Sei Tuan.

Penelitian ini bersifat deskriptif kuantitatif dengan menggunakan metode survey eksploratif. Berdasarkan pengamatan dan analisis di Kawasan Pantai Hutan Mangrove Kecamatan Percut Sei Tuan bahwa indeks keanekaragaman Mangrove berkisar dari 1,1513 sampai dengan 2,8167 Kerapatan Relatif (KR) dan Frekuensi Relatif (FR) karena kehadiran dan penyebaran Mangrove tidak seragam (*heterogen*) Frekuensi tertinggi terdapat pada spesies *Allophylus cobbe* dan yang terendah terdapat pada spesies *Nypa fruticans* berdasarkan indeks dominansi mangrove dari seluruh stasiun spesies yang paling dominan yaitu berkisar 48,5 sampai 5,805 dengan spesies *Allophylus cobbe* dan *Nypa fruticans*

Dari hasil penelitian ditemukan 12 spesies di Kawasan Hutan Mangrove Kecamatan Percut Sei Tuan Kabupaten Deli Serdang yaitu: 1) *Rhizophora apiculata* (bakau miyak) 2) *Rhizophora mucronata* (bakau aceh) 3) *Avicennia alba* 4) *Avicennia lanata* (api-api) 5) *Allophylus cobbe* 6) *Bruguiera gymnorhiza* 7) *Bruguiera sexangula* (mata buaya) 8) *Ceriops tagal* 9) *Excoecaria agallocha* 10) *Lumnitzera racemosa* (truntun) 11) *Sonneratiaca seolaris* (berembang) 12) *Nypa fruticans* (nipah) Dari Hasil Klasifikasi Terdapat Jumlah Kingdom=1 Devisi= 2 Kelas= 4 Ordo = 5 Famili= 7 Genus = 8 Spesies= 12

Kata kunci : Keanekaragaman mangrove, Vegetasi Tumbuhan, Hutan Mangrove, Bahan Ajar Taksonomi Tumbuhan Tinggi

ABSTRACT

THE DIVERSITY OF MANGROVE FOREST VEGETATION IN THE BEACH AREA OF PERCUT SEI TUAN IN THE DEVELOPMENT OF TEACHING MATERIAL OF HIGH PLANTS TAXONOMY

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Mangrove forest is a type of forest that grows in tidal areas, especially in sheltered beaches, lagoons and estuaries that are inundated at high tide and free from inundation at low tide whose plant communities tolerate toward salt. Then the data and information must be obtained, collected, and distributed by asking the community through field surveys. This research contributes to the course of High Plant Taxonomy with the aim to determine the level of Diversity, Density, Dominance and Similarity of Mangrove Forest Vegetation and also to determine the physical state, including parameters, soil pH, water salinity and soil substrate in the Mangrove Forest of Percut Sei Tuan District.


This research is a quantitative descriptive research that using explorative survey methods. Based on the observations and the analysis in the Mangrove Forest Beach Area of Percut Sei Tuan District, the Mangrove diversity index ranges from 1,1513 to 2,8167 Relative Density (KR) and Relative Frequency (FR) because the presence and the distribution of Mangrove is not the same (*heterogeneous*). The highest frequency is found in the species of *Allophylus cobbe* and the lowest is in the species of *Nypa fruticans* based on the mangrove dominance index of all the most dominant species stations, ranging from 48,5 to 05,805 with species of *Allophylus cobbe* and *Nypa fruticans*.



From the research results, it was found 12 species in the Mangrove Forest Region of Percut Sei Tuan District Deli Serdang Regency, namely: 1) *Rhizophora apiculata* (mangrove oil) 2) *Rhizophora mucronata* (mangrove aceh) 3) *Avicennia alba* 4) *Avicennia lanata* (fire) 5) *Allophylus cobbe* 6) *Bruguiera gymnorhiza* 7) *Bruguiera sexangula* (crocodile's eye) 8) *Ceriops tagal* 9) *Excoecaria agallocha* 10) *Lumnitzera racemosa* (truntun) 11) *Sonneratiaca seolaris* (flourished) 12) *Nypa fruticans* (nipah). From the classification results, there are number of kingdoms = 1 division = 2 classes = 4 orders = 5 families = 7 genus = 8 species = 12.

Keywords : Mangrove Diversity, Plants Vegetation, Mangrove Forest, Teaching Material of High Plants Taxonomy

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