

Struktur komunitas tumbuhan famili asteraceae di kampus Universitas Indonesia, Depok = Plant community structure of asteraceae family at Universitas Indonesia campus, Depok

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Abstrak

ABSTRAK

Telah dilakukan penelitian yang bertujuan untuk menjelaskan struktur komunitas dan melengkapi data mengenai famili Asteraceae di Kampus Universitas Indonesia UI. Penelitian dilakukan selama bulan September dan Oktober 2017. Lokasi pengambilan sampel dibagi menjadi tujuh kompartemen dengan membuat petak berukuran 1x1 meter sebanyak seratus plot menggunakan metode purposive sampling. Data yang diperoleh berupa kehadiran dan diameter tutupan tiap spesies Asteraceae. Berdasarkan hasil penelitian ditemukan empat belas spesies Asteraceae. Spesies yang ditemukan di kompartemen 1 hingga 7 masing-masing terdiri dari 10 spesies, 9 spesies, 10 spesies, 11 spesies, 8 spesies, 7 spesies, dan 8 spesies. Berdasarkan nilai INP, Mikania micrantha mendominasi hanya pada kompartemen 2 dengan nilai INP sebesar 39,56. Synedrella nodiflora mendominasi pada kompartemen 1, 4, dan 5 dengan nilai masing-masing sebesar 50,28, 34,89, dan 59,08. Sedangkan, Tridax procumbens mendominasi pada kompartemen 3, 6, dan 7 dengan nilai masing-masing sebesar 64,02, 66,47, dan 59,29. Secara keseluruhan, ketujuh kompartemen memiliki indeks keanekaragaman yang rendah hingga sedang H 1,41-2,03, tingkat pemerataan yang tinggi E 0,67-0,84, dan tingkat dominansi yang rendah D 0,14-0,27.

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ABSTRACT

Research on the community structure of Asteraceae family in Universitas Indonesia UI campus has been done. The study was conducted during September to October 2017. A hundred plots sampling with a size of 1 x 1 meter was made purposively on seven compartments that became the sampling location. The data obtained are the presence and coverage area of each species. The total species of Asteraceae found were fourteen. Each compartment has a different number of species. Species found in compartment 1-7 were ten, nine, ten, eleven, eight, seven, and eight species respectively. Based on IVI values, Mikania micrantha dominates only in compartment 2 with an IVI value of 39.56. Synedrella nodiflora dominates in compartments 1, 4, and 5 with IVI values of 50.28, 34.89, and 59.08, respectively. Meanwhile, Tridax procumbens dominates in compartments 3, 6, and 7 with IVI values of 64.02, 66.47, and 59.29 respectively. Overall, the seven compartments had a low to moderate level of diversity H 39 1.41 2.03, high level of evenness E 0.67 0.84, and low level of dominance D 0.14 0.27.