

ABSTRAK

Susan Ansar, NPM : 04391611002. Dinamika Kelimpahan dan Keanekaragaman Collembola di Perkebunan Pala Rakyat Berdasarkan Data Curah Hujan, Lugas dan C-Organik Tanah. Di Bawah Bimbingan IR. Lily Ishak M.Si., M Natres, Ph.D Selaku Pembimbing Utama dan Sarni SP., Si Selaku Pembimbing Pendamping.

ABSTRAK

Penelitian ini bertujuan untuk menganalisis kelimpahan dan keanekaragaman Collembola di perkebunan pala. Metode pengumpulan data yang digunakan adalah metode *purposive sampling*, yakni penentuan lokasi dan titik pengambilan sampel tanah khususnya pada area perkebunan pala rakyat yang khusus ditanami tanaman pala. Variabel yang diamati ini meliputi komposisi spesies, kelimpahan dan keanekaragaman Collembola berdasarkan kondisi lingkungan antara lain curah hujan lugas tanah dan c-organik tanah. Hasil penelitian menunjukkan bahwa terdapat 8 genus yang termasuk dalam 4 famili. Kelimpahan dan keanekaragaman bervariasi dari bulan November, Januari dan Februari. Terdapat perbedaan yang nyata dari kelimpahan Collembola di bawah tegakan tanaman pala. Kelimpahan dan keanekaragaman dipengaruhi oleh kondisi lugas tanah dan c-organik tanah.

Kata kunci : *Kelimpahan dan keanekaragaman Collembola, komposisi Spesies, curah hujan, Lugas tanah dan C-organik Tanah.*

ABSTRACT

Susan Ansar, NPM: 04391611002. Collembola Abundance and Diversity Dynamics in People's Nutmeg Plantations Based on Rainfall, Lengas and C-Organic Soil Data. Under IR guidance. Lily Ishak M.Si., M Natres, Ph.D as The Main Guide and Sarni SP., Si as a Companion Guide.

ABSTRACT

The study was aimed at analyzing the abundance and diversity of Collembola on nutmeg plantations. The data collection method used is the purposive sampling method, which is the determination of the location and point of soil sampling specifically in the area of people's nutmeg plantations specifically planted with nutmeg plants. These observed variables include the composition of species, the abundance and diversity of Collembola based on environmental conditions including soil rainfall and soil c-organic. The results showed that there are 8 genera that belong to 4 families. Abundance and diversity vary from November, January and February. There is a noticeable difference from the abundance of Collembola under the stands of nutmeg plants. Abundance and diversity are influenced by the conditions of soil and c-organic soil.

Keywords: *Collembola abundance and diversity, Species composition, rainfall, soil lengas and C-organic soil.*