

ABSTRAK

Serlin Iji. 2015. “Keanekaragaman Jenis Liana Di Dataran Rendah Suaka Margasatwa Nantu Kabupaten Gorontalo”. Skripsi, Jurusan Pendidikan Biologi, Fakultas Matematika dan IPA, Universitas Negeri Gorontalo. Pembimbing I Dr. Marini Susanti Hamidun, S.Si, M.Si dan Pembimbing II Sari Rahayu Rahman, S.Pd, M.Pd.

Penelitian ini bertujuan untuk mengetahui keanekaragaman liana serta jenis-jenis liana. Objek penelitian adalah semua jenis liana yang ada di Dataran Rendah Suaka Margasatwa Nantu Kabupaten Gorontalo. Metode yang digunakan pada penelitian ini menggunakan metode survey. Teknik pengambilan data yaitu menggunakan teknik garis berpetak, yaitu membuat 2 buah jalur/transek pada masing-masing stasiun dengan jarak diantara transek 100 meter. Pada setiap jalur/transek dibuat 5 buah plot dengan ukuran masing-masing plot 20 x 20 meter dan jarak antara plot 20 meter. Hasil penelitian didapatkan nilai indeks keanekaragaman liana di Dataran Rendah Suaka Margasatwa Nantu kabupaten Gorontalo menunjukkan bahwa keanekaragaman sedang. Jenis liana yang ada di dataran rendah Suaka Margasatwa Nantu Kabupaten Gorontalo adalah *Piper betle*, *Piper decumanum*, *Smilax leucophylla*, *Spatholobus palawanensis*, *Passiflora foetida* dan *Calamus inops*. Tumbuhan yang menjadi tempat liana merambat ditemukan 5 spesies yaitu *Polyalthia* sp, *Mallotus floribundus*, *Drypetes globosa*, *Dracontomelon dao* dan *Ficus* sp.

Kata Kunci : *Keanekaragaman, liana, dataran rendah, suaka margasatwa nantu*

ABSTRACT

Serlin Iji. 2015. "Species Diversity of Liana at Lowland Wildlife Reserve of Nantu Gorontalo regency". Skripsi, Departement of Education Of Biology, Faculty of Mathematics and sciences, State University of Gorontalo. Principal supervisor was Marini Susanti Hamidun, S.Si, M.Si and co-supervisor was Sari Rahayu Rahman, S.Pd, M.Pd.

The aim of this research was to find out the diversity of liana and species of liana. The object of this research was all liana species that were found at lowland wildlife reserve of Nantu Gorontalo regency. The method used in this research was survey method. Technique of collecting the data used technique of terraced line which makes 2 strips at each station with the distance between 100 meters strips. Every strip was made 5 plot with size of each plot was 20 x 20 meters and the distance between 20 plot meters. The result of research gained index value of liana diversity in lowland wildlife reserve Nantu Gorontalo regency showed that the diversity was medium. Species of liana that were found at lowland wildlife reserve of Nantu Gorontalo regency was *Piper betle*, *Piper decumanum*, *Smilax leucophylla*, *Spatholobus palawanensis*, *Passiflora foetida* and *Calamus inops*. It was found that there were 5 species that liana vine such as *Polyalthia* sp, *Mallotus floribundus*, *Drypetes globosa*, *Dracontomelon dao* and *Ficus* sp.

Keyword : *Diversity, liana, lowland, wildlife reserve of nantu*