

LEMBAR PERSETUJUAN PEMBIMBING

Skripsi yang Berjudul :
Asosiasi Vegetasi Utama Pohon Dengan Tumbuhan Bawah Naungan
Di Kawasan Suaka Margasatwa Nantu

OLEH

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Telah diperiksa dan disetujui

Pembimbing I



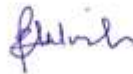
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LEMBAR PENGESAHAN

Asosiasi Vegetasi Utama Pohon Dengan Tumbuhan Bawah Naungan
Di Kawasan Suaka Margasatwa Nantu

OLEH

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NIM. 431 410 007

Telah dipertahankan di depan penguji.

Hari/Tanggal :Senin, 28 Desember 2015
Waktu :08.00 – 09.15 WITA

- | | | |
|---|-----------------|--------|
| 1. Prof. Dr. Ramli Utina, M.Pd | (Penguji I) | 1..... |
| 2. Abubakar Sidik Katili, S.Pd. M.Sc | (Penguji II) | 2..... |
| 3. Dr. Jusna Ahmad, M.Si | (Penguji III) | 3..... |
| 4. Dr. Marini Susanti Hamidun, S.Si, M.Si | (Pembimbing I) | 4..... |
| 5. Dr. Dewi W.K Baderan, S.Pd, M.Si | (Pembimbing II) | 5..... |

Gorontalo, Desember 2015

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ABSTRACT

Rian Indriyani Mustapa. 2015. Association of Primary Tree Vegetation Constituent with the Under Canopy Plants in Nantu Wildlife Sanctuary. Skripsi, Department of Biology, Study Program of Biology, Faculty of Mathematics and Natural Sciences, State University of Gorontalo. Principal Supervisor is Dr. Marini Susanti Hamidun, S. Si., M. Si and Co-supervisor is Dr. Dewi W. K. Baderan, S. Pd., M. Si.

This research aims at finding out the association of tree vegetation with the under canopy plants in Nantu wildlife sanctuary. The objects of this research are *Palaquium obovatum*, *Dracontomelon dao*, and *Ficus benjamina* with the under canopy plants in Nantu Wildlife Sanctuary. This research was conducted from November to December. The method used in this research is descriptive quantitative. The data collected was using line transect and the research plot was made using purposive sampling. The research shows that the value of tree vegetation association with under canopy plants in Nantu had positive association. Highest association happened between *Palaquium obovatum* species and *Calamus inops* (rattan) with the association value of 1.12. This value implies the ability to form alliance or strong bond between the tree species and the plant under its canopy. This is due to the environmental factor that supports the establishment of strong bond between the tree and the plants under its canopy. The lowest association was between the *Ficus benjamina* and the *Duabanga moluccana* with the association value of 0.45 due to the tree and the plant under its canopy has different nutrition needs.

Keywords: association, tree vegetation, under canopy plant, Nantu wildlife sanctuary

