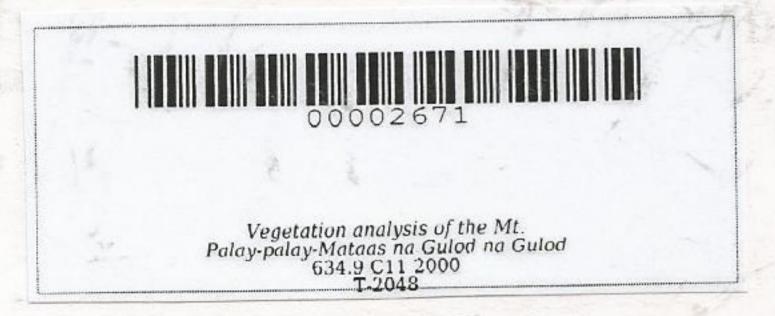
VEGETATION ANALYSIS OF THE MT. PALAY-PALAY-MATAAS NA GULOD NATIONAL PARK

Undergraduate thesis
Submitted to the faculty of
Cavite State University
Indang, Cavite

In partial fulfillment of the requirements for the degree of Bachelor of Science in Environmental Science



YHELEN VIAJE CABRERA March 2000

ABSTRACT

CABRERA, YHELEN VIAJE, Cavite State University, Indang, Cavite, March 2000. "VEGETATION ANALYSIS OF MT. PALAYPALAY-MATAAS NA GULOD NATIONAL PARK". Dr. Lorenzo C. Lapitan Jr., Adviser.

Vegetation analysis of trees in three topographic positions (ridge, midslope and footslope) was conducted in Mt. Palaypalay-Mataas na Gulod National Park in Ternate, Cavite to: (1) differentiate the vegetation of trees in three topographic position; (2) describe the density, frequency and dominance; (3) determine the relationship of species with different environmental factors; and (4) determine the species that will likely thrive in areas with similar conditions.

In analysis, it was observed that many species were introduced in the forest. Climax species such as akle, molave, kamagong, red and white lauan which are in the previous survey of Mt. Palaypalay-Mataas na Gulod National Park were not encountered in the survey area. There were 31 forest tree species which came from three topographic positions and Guijo (Shorea guiso), which is the part of the previous survey, was the only species that can be found in all topographic positions.

TABLE OF CONTENTS

| | Page |
|---|------|
| BIOGRAPHICAL DATA | iii |
| ACKNOWLEDGMENT | iv |
| ABSTRACT | vi |
| LIST OF TABLES | ix |
| LIST OF FIGURES | X |
| INTRODUCTION | 1 |
| Importance of the Study | 2 |
| Objectives of the Study | 3 |
| Time and Place of the Study | 3 |
| Scope and Limitations of the Study | 3 |
| REVIEW OF RELATED LITERATURE | 5 |
| METHODOLOGY | 17 |
| Establishment of the Study Plots | 17 |
| Data Collection | 17 |
| Data Analysis | 20 |
| RESULTS AND DISCUSSION | 22 |
| Tree Species in the Three Topographic Positions | 22 |
| Microclimatic Variables | 25 |
| Characteristics of Tree Species | 36 |
| Density, frequency, dominance and importance | |
| value of tree species | 41 |

| SUMMARY, CONCLUSION AND RECOMMENDATION | 45 |
|--|----|
| Summary | 45 |
| Conclusion | 45 |
| Recommendation | 45 |
| LITERATURE CITED | 47 |

the season of the season of the season with the season of the finding patents.

der Champananien in des meeren in the kommenter in hit Hale maling.

The state of the s

in the marker (17) replace of the marker (18). The marker (18) velocities

and the property of the popular in the new

bearing and Guine Declarated Fort

Additional and the last the man and there