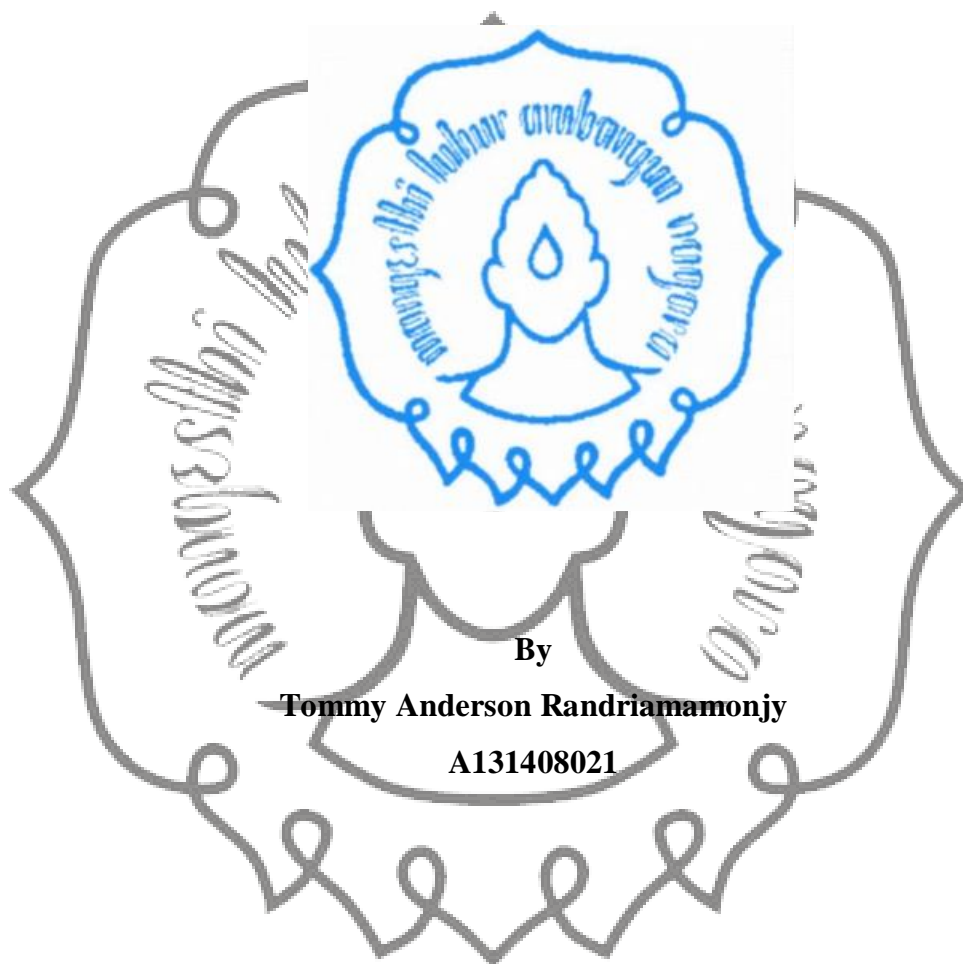


**FORESTRY REGULATION AND MANAGEMENT ON THE
ROSEWOOD (*Dalbergia. spp*) IN THE WORLD HERITAGE OF
MADAGASCAR: THE CASE STUDY OF MAROJEJY AND
MASOALA NATIONAL PARKS**



By
Tommy Anderson Randriamamonjy
A131408021

**DEPARTEMENT OF ENVIRONMENTAL SCIENCE
POSTGRADUATE PROGRAM
SEBELAS MARET UNIVERSITY
SURAKARTA**

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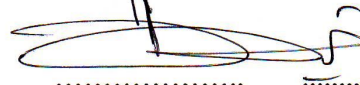
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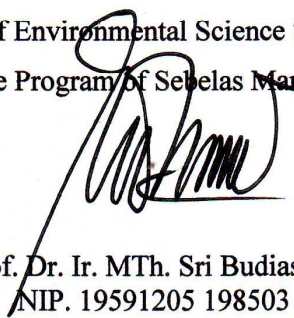
A131408021

| Advisor Committee | Name | Signature | Date |
|-------------------|---|--|------------|
| Advisor I | Dr. Prabang Setyono, M.Si. NIP. 19720524 199903 1 001 |  | 2016 |
| Advisor 2 | Dr. I Gusti Ayu Ketut Rachmi Handayani H. SH., MM. NIP. 19541030 198403 1 002 |  | 2016 |

Certified the requirement on

.....2016

Head of Environmental Science Study Program
Postgraduate Program of Sebelas Maret University- UNS



Prof. Dr. Ir. MTh. Sri Budiastuti, M.Si.
NIP. 19591205 198503 2 001

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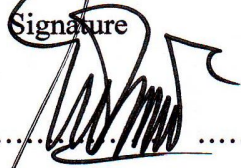

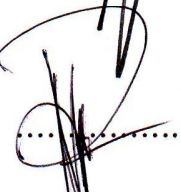

Tommy Anderson Randriamamonjy

A131408021

Been declared eligible and approved


.....2016

Examiner's Committee

| Examiner's Charge | Name | Signature | Date |
|-----------------------|--|--|-------|
| President | Prof. Dr.Ir.MTh. Sri Budiastuti, M.Si NIP. 197805232008122001 |  | |
| Secretary | Dr. Sunarto. M.S. NIP. 195406051991031002 |  | |
| Examiner's Members | Dr. Prabang Setyono, M.Si. NIP. 197205241999031001 |  | |
| | Dr. I Gusti Ayu Ketut Rachmi Handayani H. SH., MM. NIP. 195410301984031002 |  | |

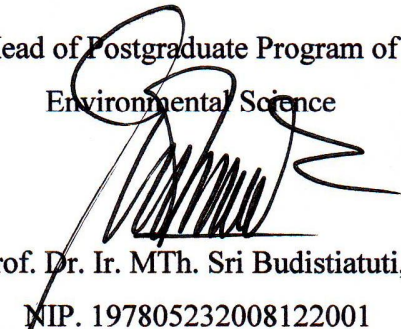
Approved by

Director of Postgraduate Program



Prof. Dr. M. Furqon Hidayatullah, M.Pd
NIP. 196007271987021001

Head of Postgraduate Program of
Environmental Science



Prof. Dr. Ir. MTh. Sri Budistiatuti, M.Si
NIP. 197805232008122001

ABSTRACT

Tommy Anderson Randriamamonjy. **A131408021. Forestry Regulation and Management on Rosewood (*Dalbergia. spp*), in the World Heritage of Madagascar: the Case Study of Marojejy and Masoala National Parks.** A thesis, Surakarta: Environmental Science. Sebelas Maret University (UNS), 2016.

Madagascar is a country rich in biodiversity. For decades, this biodiversity was already under pressure caused by of deforestation including the rosewood (*Dalbergia. spp*). The rosewood, which constitutes a valuable wood and one of the most wanted commodity in the world, has been harvested since the last decades in the country. The matter is that a considerable part of that species is exploited within the Protected Areas (PAs) Marojejy and Masoala, which are the World Heritage of UNESCO. Thus, thousands of tons of rosewood are operated illegally. The law No 97-017 in 1997 mentioned with clarity that the protected areas, national parks are not to be distracted. But in 2009, the situation in Madagascar uncovered that the illegal exploitation deepened further.

The aim of the research was to try to explain and analyze why the forestry regulation and management policies are not effective to stop the problems of forest harvesting in Madagascar, especially on the question of rosewood and also propose to the government a strategy to properly manage the Madagascar forest in order to protect the World Heritage. In answering these problematic, methods are used such as data collection, SWOT (Strengths, Weaknesses, Opportunities and Threats), RCA (Root Cause Analysis) and Overlapping regulation analysis, which are supported by the use of the comparative study method.

The result has shown that the problem of ineffectiveness of the regulation and management is the inconsistencies of regulations it selves that due to the ability of some high ranking people inside the government to manipulate the regulations as they wish that in turn offset a part of the proper functioning of the national parks management. Many among them abuse the power they have in harvesting the public goods and resources. But on top of that, the illegal logging inner the PAs is occurred because of the poverty or the problem of the Malagasy economy. Thus, based on the identified problem, the proposed solution, apart of enforcing the law and regulations, was to reforest and renew the agricultural system and develop the tourism sector by innovating and adding necessary infrastructures just like which have been done by most other emerging countries such us Brazil and Indonesia.

Keywords: Forestry, Regulation and Management, Rosewood, World Heritage, Madagascar National Parks.

ABSTRAK

Tommy Anderson Randriamamonjy. A131408021. **Regulasi dan Manajemen Kehutanan pada *Rosewood* (*Dalbergia. spp*) dalam Warisan Dunia Madagaskar: Studi Kasus Taman Nasional Marojejy dan Masoala.** Tesis, Surakarta: Studi Ilmu Lingkungan. Universitas Sebelas Maret (UNS), 2016.

Madagaskar adalah negara yang kaya akan keanekaragaman hayati. Selama beberapa dekade, keanekaragaman hayati ini sudah di bawah tekanan yang disebabkan oleh penebangan hutan termasuk (*Dalbergia. spp*). *Rosewood*, merupakan salah satu komoditas kayu berharga yang banyak dicari didunia dan telah dipanen sejak sepuluh tahun terakhir di negara itu. Masalahnya adalah sebagian besar dari spesies yang dieksploitasi berada dalam Kawasan Lindung (PAs) Marojejy dan Masoala, yang merupakan tempat Warisan Dunia UNESCO. Dengan demikian, ribuan ton *rosewood* telah dioperasikan secara ilegal. Seperti hukum no.97-017 tahun 1997 yang sudah menyebutkan dengan jelas bahwa, kawasan lindung atau taman nasional tidak dapat diganggu. Tetapi pada tahun 2009, situasi di Madagaskar menunjukkan bahwa eksploitasi ilegal dilakukan lebih dalam.

Tujuan dari penelitian ini mencoba untuk menjelaskan dan menganalisis, mengapa kebijakan regulasi kehutanan dan manajemen tidak efektif untuk menghentikan masalah penebangan hutan di Madagaskar, terutama dari *rosewood*, dan juga mengusulkan kepada pemerintah strategi yang benar untuk mengelola hutan Madagaskar, dalam rangka melindungi Warisan Dunia. Dalam menjawab berbagai masalah ini, metode yang digunakan seperti pengumpulan data, SWOT (Kekuatan, Kelemahan, Peluang dan Ancaman), RCA (*Root Cause Analysis*) dan analisis Tumpang Tindih regulasi, yang didukung dengan penggunaan metode studi banding.

Hasil penelitian menunjukkan bahwa masalah tidak efektifnya regulasi dan manajemen dikarenakan adanya ketidakkonsistenan regulasi akibat dari kemampuan beberapa pejabat tinggi dalam pemerintah untuk memanipulasi peraturan yang mereka inginkan, dan pada akhirnya mengimbangi bagian yang sudah tepat berfungsi dari manajemen taman nasional. Banyak di antara mereka menyalahgunakan kekuasaan yang dimiliki untuk mengambil barang dan sumber daya publik. Tetapi yang menjadi penyebab utama ilegal *logging* terjadi dalam kawasan lindung tersebut karena adanya kemiskinan atau masalah ekonomi di Madagaskar. Dengan demikian, berdasarkan masalah yang telah teridentifikasi, maka solusi yang dapat diusulkan selain penegakan hukum dan regulasi adalah untuk mereboisasi dan memperbaharui sistem pertanian. Juga mengembangkan sektor pariwisata dengan berinovasi dan penambahan infrastruktur yang diperlukan seperti yang telah dilakukan oleh sebagian besar negara-negara berkembang lainnya, seperti Brazil dan Indonesia.

Kata kunci: Kehutanan, Regulasi dan Manajemen, *Rosewood*, Warisan Dunia, Taman Nasional Madagaskar.

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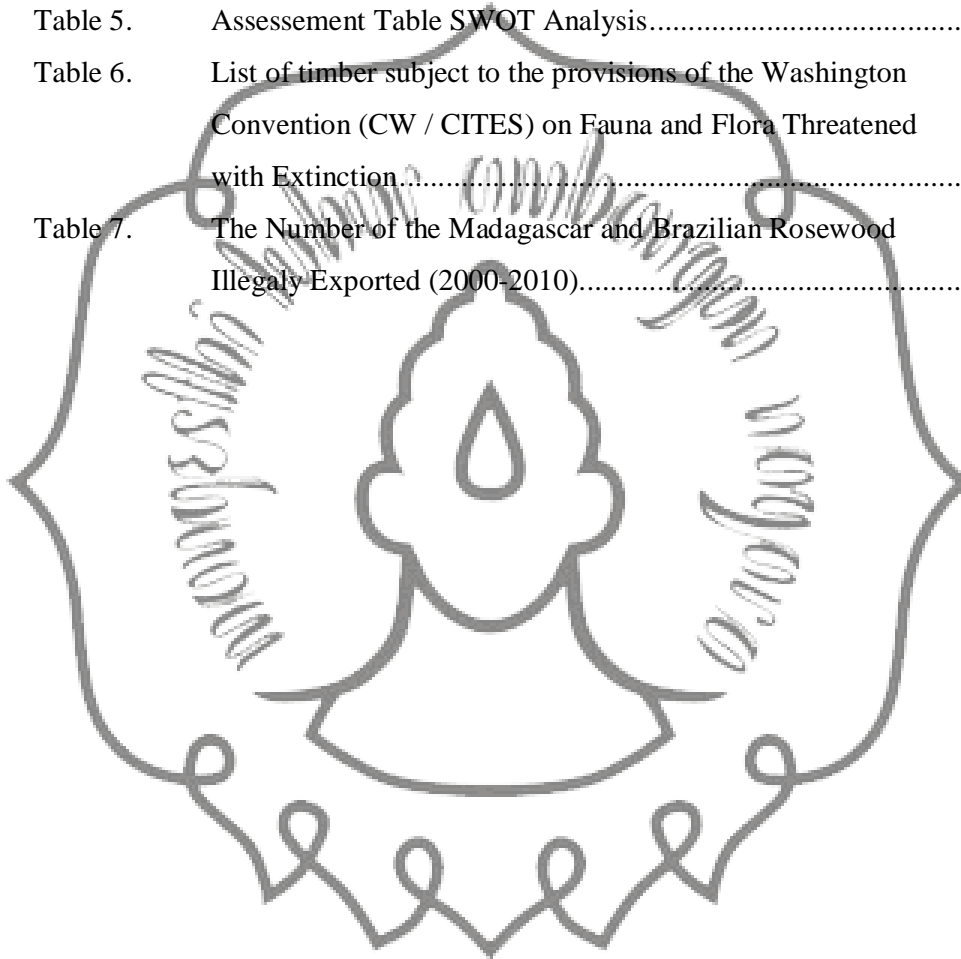
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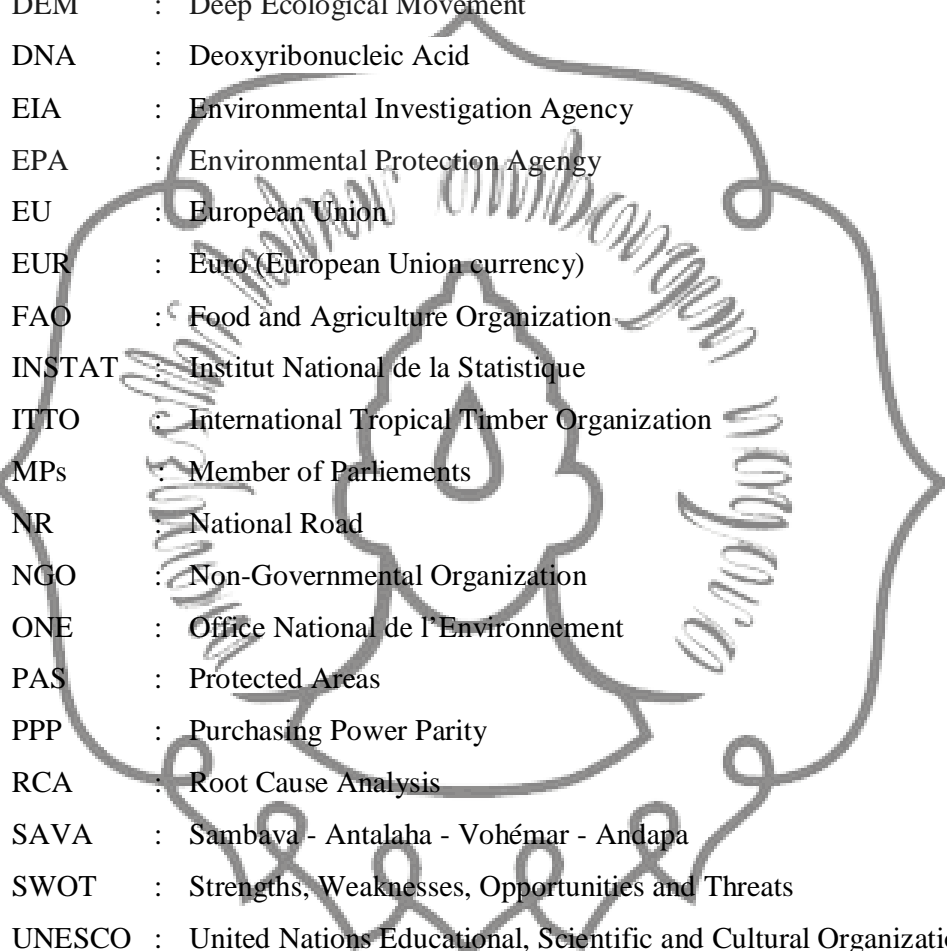


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LIST OF ABBREVIATION



| | |
|--------|--|
| AD | : Anno Domini |
| AR | : Ariary (Madagascar currency) |
| CW | : Convention of Washington |
| CITES | : Convention on International Trade of Endangered Species |
| DEM | : Deep Ecological Movement |
| DNA | : Deoxyribonucleic Acid |
| EIA | : Environmental Investigation Agency |
| EPA | : Environmental Protection Agency |
| EU | : European Union |
| EUR | : Euro (European Union currency) |
| FAO | : Food and Agriculture Organization |
| INSTAT | : Institut National de la Statistique |
| ITTO | : International Tropical Timber Organization |
| MPs | : Member of Parliaments |
| NR | : National Road |
| NGO | : Non-Governmental Organization |
| ONE | : Office National de l'Environnement |
| PAS | : Protected Areas |
| PPP | : Purchasing Power Parity |
| RCA | : Root Cause Analysis |
| SAVA | : Sambava - Antalaha - Vohémar - Andapa |
| SWOT | : Strengths, Weaknesses, Opportunities and Threats |
| UNESCO | : United Nations Educational, Scientific and Cultural Organization |
| USD | : United States Dollar |
| USA | : United States of America |
| WHM | : World Heritage of Madagascar |