POLICY ANALYSIS OF COASTAL ECOTOURISM
DEVELOPMENT ON MUARA ANGKE MANGROVE
ECOSYSTEM, JAKARTA BAY, INDONESIA

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COASTAL AND MARINE RESOURCES MANAGEMENT STUDY PROGRAM
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Myint Thu Zar. Policy Analysis of coastal ecotourism development on Muara Angke Mangrove Ecosystem, Jakarta Bay, Indonesia. Under Supervision of Dr. Ir. Dietriech G. Bengen, DEA., as a Chairman and Prof. Dr. Ir. Daniel R. Monintja as a member.

ABSTRACT

The mangrove ecosystem is one of important ecosystems in the tropics and has a great economic and ecotourism potentials. The multiple roles of mangrove ecosystems in coastal ecotourism areas are now well recognize in Indonesia. Ecotourism is ecologically sustainable tourism that related with forest environmental and cultural understanding, appreciation and conservation.

Information on mangrove ecosystems of the Jakarta Bay is mostly concerned with the flora and fauna aspects. The mangrove ecosystems in the area have a very limited diversity. The importance of mangrove forest productivity in the function of the coastal ecosystem of Jakarta Bay cannot ignore. A lot of development activities have negatively affected this area. The balance between economic gain and environment social loss should be weighted in favor of the longer – term objectives so that establishment of sustainable resources development will not be ignored. Attention should also pay to the impact of coastal ecotourism development on the sustainability and conservancy of mangrove ecosystem. This research conducted from September to November 2001 at Muara Angke of North Jakarta in Jakarta Bay. This research aimed to:

1. To examine the environmental suitability of mangrove ecosystem and coastal area for ecotourism development,
2. To obtain the optimum plans for the associated enterprise in relation to variables and parameters which relate the potential use of physical, economic and institutional restraints while considering the objectives of entrepreneur and policy planners,
3. To recommend the appropriate mangrove areas for ecotourism that would have the least effect for the coastal environment and the social activities of the local people.

Geographic Information System (GIS) method used for evaluating the mangrove ecosystem and Analytical Hierarchy Process approach used for resolving the spatial/land use conflict to evaluate policy. The software program Expert Choice (3.1) has incorporated in the AHP methodology and enables the analyst to structure the hierarchy and resolve the problem using absolute measurement as appropriate.

The result showed that all along the Northern coast of what now is DKI Jakarta was originally mangrove forest ecosystem, complete with all richness of Bio-diversity attained in it. However Indonesia should utilize institutional facility presently available as soon as possible, such as forestry agency, tourism agency, and other related institutions, which can act professionally and responsible in the effort to develop coastal ecotourism better, especially mangrove forest ecosystem, therefore a coastal ecotourism project can be sustainable.

Keywords: Policy, Mangrove Ecosystem, Coastal Ecotourism, GIS, AHP.

ABSTRAK

Mangrove ekosistem merupakan salah satu ekosistem penting di daerah trivopika dan memiliki potensi ekonomi dan eko-pariwisata yang luar biasa. Aneka ragam peranana ekosistem mangrove pada eko-pariwisata daerah pesisir di Indonesia pada saat ini diakui secara luas. Eko-pariwisata adalah kegiatan pariwisata yang secara lingkungan (ekologis) berkesinambungan, yang bersangkutan dengan pemahaman, penghargaan dan pelestarian lingkungan dan budaya.


1. Mengkaji kesesuaian lingkungan ekosistem mangrove dan wilayah pesisir guna pengembangan eko-pariwisata,
2. Mempereleh perencanaan optimal guna usulan-usulan yang berkaitan dengan eko-pariwisata, yang berhubungan dengan variabel (peubah) dan parameter yang berhubungan dengan penggunaan potensi dari kendala fisik, ekonomi dan kelembagaan dengan memperhatikan pertimbangan-pertimbangan sasaran yang ingin diraih oleh pengusahaan dan perencana kebijakan,
3. Merekomendasikan daerah-daerah mangrove yang sesuai untuk eko-pariwisata yang akan memiliki/mendapat dampak terkecil terhadap lingkungan pesisir dan kegiatan-kegiatan sosial dari penduduk setempat.

Sistem Informasi Geografis (SIG) dalam evaluasi kesesuaian ekosistem mangrove sedangkan Proses Analisis Hirarki (AHP) diterapkan dalam mencari penyelesaian konflik-konflik penggunaan ruang/alaan. Piranti lunak Expert Choice versi 3.1 digunakan dalam pengerjaan AHP (Proses Analisa Hirarki) dan memungkinkan penganalisa dalam strukturisasi hirarki dan memecahkan masalah dengan memakai penilaian absolute bilaman diperlukan.

Sepanjang pantai utara DKI Jakarta pada mulanya merupakan ekosistem hutan mangrove dengan kekayaan keanekaragaman hayati yang terdapat didalamnya. Hasil akhir menunjukkan bahwa Indonesia sebaiknya memanfaatkan fasilitas kelembagaan yang tersedia sekarang dengan secepat-cepatnya, misalnya pihak kehutanan, agen-agen pariwisata dan lembaga terkait lainnya, yang dapat bertindak secara profesional dan bertanggung jawab dalam upaya membangun eko-wisata pesisir yang lebih baik, khususnya dalam hal ekosistem mangrove, sehingga proyek ekowisata pesisir tersebut dapat berkesinambungan.

Kata kunci: Kebijakan, Ekosistem Mangrove, Eko-pariwisata Pesisir, SIG, AHP.
Research Title: Policy Analysis of Coastal Ecotourism Development on Muara Angke Mangrove Ecosystem, Jakarta Bay, Indonesia
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Date: January 2002
STATEMENT ON THESIS AND SOURCE OF INFORMATION

I hereby declare that this thesis "Policy Analysis of Coastal Ecotourism Development on Muara Angke Mangrove Ecosystem, Jakarta Bay, Indonesia" is my own work and has not been submitted in any form for another degree or diploma programme (course) to any University or other institution of tertiary education. Source of information derived or quoted from the published or unpublished work of others has acknowledged in the text and a list of references made at the end of thesis.

Bogor, January 2002

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STATEMENT ON ACCESS TO THIS THESIS

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BIOGRAPHY OF AUTHOR

The author was born in Mawlamyine, The Union of Myanmar on the date of 5th October 1969. She is a daughter of Mr. (U) Myint Thein (Head Master) and Mrs. (Daw) Aye Yi (Teacher). She has three brothers and one sister.

She finished her Elementary, Junior, and High school in No.6 Basic Education High School, Mawlamyine, The Union of Myanmar. During her schooldays in State High School she got outstanding prizes for school subjects from Kindergarten to Metric class.

After her Matriculation, she joined the Yeizin Agricultural University, The Union of Myanmar and obtained the Degree (B.Agr. Sc.) Bachelor of Agricultural Science with Credit in the year 1993. When She was in University, She participated in Flowers Association and Mon Literature and Culture sub-committee as an executive member. Moreover she was a Secretary of Na Win Hall (Girls Dormitory).

Since March 1994 after graduation from the University, Minister for Ministry of Agriculture and Irrigation has appointed her, to work in the Myanmar Agriculture Service, State Manager Office, Mon State that was under the Ministry of Agriculture and Irrigation, The Union of Myanmar as a Supervisor until the end of May 1996.

Her interest is Agricultural Research works and teaching the students to share her knowledge for this reason. She tried to apply for the University teacher at the Yeizin Agricultural University, The Union of Myanmar in June 1996. Then she became a teacher in the Department of Agricultural Botany at Yeizin Agricultural University, Myanmar. While working there, She studied M.Sc. course works for Plant Breeding till the end of 1999 at the Yeizin Agricultural University, Myanmar.

In December 1999, she passed the exam for SEARCA’s scholarship to pursue her study for Master Degree Program in the Coastal and Marine Resource Management Study Program at Bogor Agricultural University (IPB), Indonesia. She started her Master Degree Program in the second Month of year 2000 through a scholarship of South-East Asian Ministers of Education Organization (SEAMEO), Regional Center for Graduate Study and Research in Agriculture (SEARCA), SEAMEO SEARCA. She was no adequate background for that subject but she had tried her best.


The Author
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I dedicated this Thesis to Our Golden Land Union of Myanmar, my Mother University Yezin Agricultural University (YAU), my Beloved Mom and my Lovely Aunt, to whom this piece of my task as an expression of my respect and admiration.

The Author

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