

**PEAT CONSERVATION STRATEGY
(Study of Correlation Pattern of Physical and Socio-Economic
Characteristics in Barito Kuala Regency)**

by

Noor Husna Khairisa

13/352776/PGE/01044

ABSTRACT

Research Peat Conservation Strategy (Study of Correlation Pattern of Physical and Socio-Economic Characteristics in Barito Kuala Regency) conducted on Basin of Peat Anticlinal in Barito Delta which is administratively located in Barito Kuala Regency. This study aims: (1) to find the importance of peat conservation by identifying the actual landuse in 2015, by analyzing physical and socio-economic of community, and by formulating correlation pattern between physical characteristic of peat and socio-economic of community who settle and utilize peat in Basin of Peat Anticlinal in Barito Delta; (2) to formulate peat formulation strategy in Basin of Peat Anticlinal in Barito Delta.

This research used a survey method. Research population are peat and communities who settle and utilize peat. Peat samples were determined by simple random sampling method as many 33 samples and samples of communities who settle and utilize peat were determined by accidental sampling method. Data collection of socio-economic characteristics was conducted by deep interview and data collection of peat characteristics was conducted by field research and laboratory analysis. Landuse analyzed was yield by ALOS image 2010 interpretation and field survey in 2015, physical characteristics of peat and socio-economic characteristics of the communities were analyzed by qualitative analysis, correlation patterns of physical characteristics of peat and socio-economic characteristics of society were made by System Thinking method, and conservation strategies were determined by SWOT analysis.

The results show: (1) Peat in Basin of Peat Anticlinal in Barito Delta need to be conserved owing to the largest landuse is agricultural land, 99% peat was shranked in 7 years, the community has high dependence on land, and correlation pattern between physical characteristics of peat and socio-economic characteristics of community increasingly complex and tend to show negative impacts on the environment and the community who settle and utilize peat (2) conservation strategies that can be applied are controlling land fire, improving welfare and communities skills.

Keyword: Conservation, Peat, System Thinking, Barito Delta

**STRATEGI KONSERVASI GAMBUT
(Studi Pola Hubungan Karakteristik Fisik Lahan dan
Karakteristik Sosial Ekonomi Masyarakat Kabupaten Barito Kuala)**

oleh
Noor Husna Khairisa
13/352776/PGE/01044

INTISARI

Penelitian Strategi Konservasi Gambut (Studi Pola Hubungan Karakteristik Fisik Lahan dan Kondisi Sosial Ekonomi Masyarakat Kabupaten Barito Kuala) dilaksanakan pada Cekungan Antiklinal Gambut Delta Barito yang secara administrasi terletak pada Kabupaten Barito Kuala. Penelitian ini bertujuan untuk: (1) mengetahui penyebab gambut perlu dikonservasi dengan cara mengidentifikasi jenis penggunaan lahan aktual Tahun 2015, menganalisis karakteristik fisik lahan dan karakteristik sosial ekonomi masyarakat, memformulasikan pola hubungan karakteristik fisik lahan dan kondisi sosial ekonomi masyarakat; (2) merumuskan strategi konservasi gambut di Cekungan Antiklinal Gambut Delta Barito

Penelitian ini menggunakan metode survei. Populasi penelitian ini adalah gambut dan masyarakat yang tinggal dan memanfaatkan gambut. Sampel gambut ditentukan dengan metode acak sederhana sebanyak 33 sampel dan sampel masyarakat yang tinggal dan memanfaatkan gambut ditentukan dengan metode *Accidental sampling*. Pengumpulan data karakteristik sosial ekonomi masyarakat dilakukan dengan wawancara dan pengumpulan data karakteristik gambut dilakukan dengan penelitian lapangan dan analisis laboratorium. Analisis data penggunaan lahan dilakukan dengan interpretasi citra ALOS Tahun 2010 dan survei lapangan 2015, analisis data karakteristik fisik gambut dilakukan dengan analisis statistik deskriptif, karakteristik sosial ekonomi masyarakat dilakukan dengan analisis kualitatif, analisis data pola hubungan karakteristik fisik lahan dan kondisi sosial ekonomi masyarakat dilakukan dengan metode *System Thinking*, dan perumusan strategi konservasi dilakukan dengan analisis SWOT.

Hasil penelitian menunjukkan bahwa: (1) gambut di Cekungan Antiklinal Gambut Delta Barito perlu dikonservasi karena penggunaan lahan gambut didominasi oleh lahan pertanian, gambut mengalami penyusutan sebesar 99% dalam 7 tahun, masyarakat memiliki ketergantungan yang tinggi terhadap lahan, dan pola hubungan karakteristik fisik lahan dan kondisi sosial ekonomi masyarakat semakin kompleks dan cenderung menunjukkan dampak negatif pada lingkungan dan masyarakat yang tinggal dan memanfaatkan gambut (2) strategi konservasi yang dapat diterapkan adalah usaha pengendalian kebakaran lahan, peningkatan kesejahteraan dan keterampilan masyarakat.

Kata Kunci: Konservasi, Gambut, *System Thinking*, Delta Barito