

SUMMARY

PENGELOLAAN KAWASAN LINDUNG DAN BUDIDAYA DI PESISIR KABUPATEN PROBOLINGGO

Created by Suharto

Subject : Hutan Lindung

Keyword : : Tambak dan hutan mangrove; Sistem Informasi geografis (SIG); Arc-View 3-2 ;Pond and mangrove forest; Geographic Information System (GIS); Arc-View3-2.

Description :

Pengelolaan kawasan budidaya dan lindung (tambak dan hutan mangrove) di kawasan pesisir sangat kompleks dan merupakan suatu sistem, terdiri dari sub-sub sistem yang saling terkait, sehingga perubahan salah satu faktor atau lebih dalam satu sub sistem atau lebih akan mempengaruhi keseimbangan yang ada. Kasus di Kabupaten Probolinggo selama kurun waktu 3 tahun (1993 sampai 1996) luas hutan mangrove mengalami penurunan seluas 199,05 Ha (54% dari 369 Ha), hal ini diakibatkan oleh alih fungsi lahan ke tambak intensif.

Penerapan teknologi Sistem Informasi geografis (SIG) untuk pengelolaan kawasan pesisir merupakan wahana pemanduan informasi pembangunan/koordinasi yang dapat menyajikan pengelolaan berbasis keruangan sekaligus menjadi neutral ground dalam menengahi konflik antar sektor dan aktor.

Prasedur pengelolaan kawasan pesisir dengan SIG memakai perangkat lunak Arc-Info dan Arc-View 3.2 dengan langkah-langkah: pemetaan digital setiap variabel, overlay variabel, skoring atribut setiap variabel, pengklasifikasian unit pemetaan menurut skor. Berdasarkan data dan peta di wilayah studi dan dilakukan analisa kesesuaian lahan didapat 4 desa berpotensi untuk tambak dan 7 desa berpotensi sebagai kawasan hutan mangrove. Selanjutnya akan dibuat peta model pengelolaan kawasan pesisir dengan model pengelolaan secara holistik, integratif dan sustainable.

Description Alt:

The management of culture and protect area (pond and mangrove forest) in coastal area is very complex and form a sistem, with consist of interrelated sub system, so that if one or more factor in one or more sub system change, will influend the environment equilibrium. Some cases at Kabupaten Probolinggo in the 3 prime periode (1993 until 1996) the mangrove area degraded significant as most 199,05 Ha (54% of 369 Ha), cause by the land was converten to be intensive pond.

The aplication and implementation of Geographic Information System (GIS) technology for coastal area management is considered in integrated information system contributed to regional development as space based management and also sure as a neutral groud when konflik rise between sector and actor

The coastal area management procedure has to be based on the comprehensive of ecological and land support understanding. Coastal area management of Geographic hrformation System (GIS) was implemented using soft ware Arc-Info and Arc-View 3.2 with consist several steps : Digital mapping of variable, Variable overlay, scoring atributeeach variable, mapping unit classification according to score. The based data and map at area study and doing land using analysis result 4 village potencial area for pond and 7 village potencial area for mangrove. The final step whole be desain of management map models for coastal area using hohstic, integratif and sustainable (HIS).

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Thank You,

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