

LUQMAN FITRONI NPM: 12.03.4.1.1.00026 Analisis Tingkat Kerentanan Ekologi Di Pulau Gili Genting Kabupaten Sumenep Berbasis Spasial.
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ABSTRAK

Pesisir dan pulau-pulau kecil merupakan kawasan dimana ditemukannya berbagai sumberdaya alam serta mineral yang terkandung didalamnya. Penelitian ini di titik beratkan pada parameter-parameter yang menentukan tingkat kerentanan ekologi pulau-pulau kecil secara spasial. Penentuan indeks kerentanan secara ekologi tersebut dilakukan berdasarkan standarisasi indeks kerentanan masing- masing parameter. Tujuan dari penelitian ini mengidentifikasi parameter-parameter kerentanan di pulau Gili Genting serta menganalisis parameter di pulau Gili Genting secara spasial dan menganalisis tingkat kerentanan ekologi di pulau Gili Genting yang berada di Kabupaten Sumenep. Metode yang digunakan dalam penelitian ini menggunakan metode CVI (Coastal Vulnerability Index) dengan menggunakan Analisis Variabel Kerentanan Ekologi yang meliputi Indeks pantai, keterisolasian pulau, tekanan populasi, degradasi lahan, degradasi terumbu karang, dan degradasi mangrove. Berdasarkan hasil penelitian di Pulau Gili Genting memiliki nilai Indeks pantai (0,0008); Indeks Keterisolasian Pulau (0,0396); Indeks Tekanan Populasi (0,0705); Indeks Degradasi Lahan (0,0472); Indeks Degradasi Terumbu Karang (0,1500); dan Indeks Degradasi Mangrove (0,0000). Pulau Gili Genting memiliki tingkat kerentanan rendah (0,30801) atau low vulnerable.

Kata Kunci : Pulau-Pulau Kecil, Indeks, Ekologi, Penduduk

LUQMAN FITRONI NPM: 12.03.4.1.1.00026 **Analysis Of The Degree Of Vulnerability Of Ecology On The Island Of Gili Genting Sumenep Regency-Based Spatial.** Under the guidance of Zainul Hidayah, S.Pi., M.App,Sc as the Supervising Lecturer I and Maulinna Kusumo Wardhani, S.Kel., M.Si as Lecturer Supervisor II.

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ABSTRACT

Coastal and small islands is an area that finds a variety of natural resources and minerals. The point of this study was on the parameters that determine the vulnerability of small islands ecological index that based on spasiel study. Determination of the index of vulnerability in ecology was exercised based on the standardization of the respective vulnerability index parameters. The purpose of this research was to identify vulnerability parameters on the island of Gili Genting as well as analyze parameter on the island of Gili Genting in spatial and to analyzed the level of vulnerability of ecology on the Gili Genting Island Sumenep Regency. The method in this research Coastal Vulnerebility Index (CVI) that used the ecological Vulnerability Variables Analysis, they are coastal index, insularity index, human impact index, land degradation index, coral reefs and mangrove degradation. The results of this research showed Coastal Index (0.0008); Insularity Index (0.0396); Human Impact index (0.0705); Index of land degradation (0.0472); Coral Reef Degradation Index (0.1500); and Mangrove Degradation Index (0.0000). Based on the analyzed of vulnerability small Island of Gili Genting had a low vulnerability level (0.30801) or low vulnerable.

Keywords : *Small Islands, Indexes, Ecology, Population*