

Abstrak

M. Sakir Hamka, NPM. 05171411007. **Analisis Kelayakan Lokasi Budidaya Teripang Pasir (*Holothuria scabra*). Berdasarkan Parameter Kualitas Air Di Perairan Desa Foya Kecamatan Gane Timur Kab Halmahera Selatan.** Yang dibimbing oleh bapak Gamal M. Samadan S.Pi, M.Si selaku pembimbing I, dan Ibu Dr. Yuliana S.Pi, M.Si selaku pembimbing II.

Perairan Desa Foya Kecamatan Gane Timur memiliki sumberdaya perikanan yang cukup baik untuk budidaya khususnya teripang pasir, salah satu komoditi perikanan yang bernilai ekonomia tinggi adalah teripang pasir (*Holothuria scabra*) baik di pasar lokal maupun pasar internasional jenis biota ini dikenal dengan nama teat fith. Kehidupan teripang pasir di alam dipengaruhi oleh faktor fisika-kimia perairan, substrat dan aktifitas penangkapan. Mengantisipasi kegiatan penangkapan yang berlebihan (*overfising*) di alam, perlu diadakan pengalihan kegiatan, dimana kegiatan penangkapan dialihkan pada kegiatan budidaya. Berdasarkan hal tersebut, bagaimana kondisi lingkungan perairan Desa Foya ditinjau dari parameter kualitas air. Metode penelitian yang digunakan adalah metode survei, sedangkan untuk menganalisis data parameter kualitas air menggunakan metode pembobotan skorring setiap parameter yang diukur, untuk dasar perairan dan faktor kerlindungan dilakukan secara *in situ*, Analisis data tingkat kesesuaian lingkungan teripang didasarkan atas beberapa kriteria penting yang harus dipenuhi, yaitu kondisi lingkungan yang sesuai dengan standar kriteria kesesuaian, meliputi kisaran dibawah baku mutu dengan skor (1), kisaran toleransi dengan skor (2), dan kisaran optimal dengan skor 3. Selanjutnya dilakukan pembobotan setiap variabel dalam 3 kelas bobot yang diukur berdasarkan tingkat pengaruh masing-masing variabel. Berdasarkan hasil perhitungan total dari 6 variabel kualitas perairan diperoleh skor tertinggi 100 dan terendah 55,54. Sedangkan berdasarkan hasil analisis skor perkelas disetiap stasiun adalah (A) 77,78-100= Sesuai (S1), (B) 55,55-77,77= cukup sesuai (S2), dan (C) <55,54= tidak sesuai (S3). Hasil analisis diperoleh infomasi bahwa kondisi lingkungan perairan Desa Foya Kecamatan Gane timur cukup sesuai bagi kehidupan teripang pasir.

Kata kunci : *Kesesuaian lokasi, Parameter Kualitas Air, Teripang Pasir*

Abstract

M. Sakir Hamka, NPM. 05171411007. **Feasibility Analysis of Cultivation Location for Sand Sea Cucumber (*Holothuria scabra*)**. Based on parameters of water quality in the waters of Foya Village, East Gane District, South Halmahera Regency. Who was supervised by Mr. Gamal M. Samadan S.Pi, M.Si as supervisor I, and Mrs. Dr. Yuliana S.Pi, M.Si as mentor II.

The waters of Foya Village, East Gane District, have sufficient fishery resources for cultivation, especially sand sea cucumbers. One of the fisheries commodities with high economic value is sand sea cucumber (*Holothuria scabra*) both in local and international markets. This type of biota is known as teat fish. The life of sea cucumbers in nature is influenced by physico-chemical factors in the water, the substrate and fishing activities. To anticipate overfishing in nature, it is necessary to transfer activities, where fishing activities are diverted to cultivation activities. Based on this, how is the environmental condition of Foya Village waters in terms of water quality parameters. The research method used is the survey method, while analyzing the water quality parameter data using the scoring method for each measured parameter, for the bottom of the water and the protection factor is carried out in situ, the data analysis of the environmental suitability level of sea cucumbers is based on several important criteria that must be met, namely environmental conditions in accordance with the standard of conformity criteria, covering a range below the quality standard with a score (1), a tolerance range with a score (2), and an optimal range with a score of 3. Next, the weighting of each variable in 3 weight classes is measured based on the level of influence. each of the variables. Based on the results of the total calculation of the 6 variables of water quality, the highest score was 100 and the lowest was 55.54. Meanwhile, based on the results of the analysis, the score per class at each station is (A) 77.78-100 = Suitable (S1), (B) 55.55-77.77 = quite suitable (S2), and (C) <55.54 = not according to (S3). The results of the analysis obtained information that the condition of the environment in Foya Village, East Gane District, is quite suitable for the life of sand sea cucumbers.

Key words: *Location suitability, Water Quality Parameters, Sea Cucumber*