

ABSTRAK

Ekosistem mangrove di Pantai Utara Jakarta memiliki peranan yang penting, namun kondisi saat ini sangat mengkhawatirkan. Hal ini dikarenakan ekosistem tersebut berdampak langsung dengan pemukiman dan keramaian kota sehingga ekosistem mangrove terancam keberadaannya. Penanaman mangrove perlu memperhatikan kelayakan lahan yang memiliki kondisi lingkungan baik untuk media tumbuh. Tujuan penelitian ini untuk mengetahui sebaran mangrove, mengetahui faktor lingkungan ekosistem mangrove, serta mengetahui kesesuaian jenis mangrove di Pantai Utara Jakarta. Metode yang digunakan dalam penelitian ini adalah metode *survey* untuk mendapatkan data sebaran mangrove dan data parameter lingkungan. Berdasarkan hasil penelitian yang telah dilakukan bahwa kerapatan jenis mangrove termasuk dalam kriteria jarang hingga sedang (530 - 1640 ind/ha), keanekaragaman jenis mangrove termasuk dalam kriteria rendah hingga sedang (0,61 - 1,59), dan nilai indeks penting (INP) termasuk dalam kriteria rendah hingga tinggi (4,52% - 216,98%). Parameter pH air dan oksigen terlarut (DO) memiliki nilai yang tidak sesuai, sementara nilai fosfat dan nitrat termasuk dalam kategori tinggi. Analisis kesesuaian jenis mangrove diketahui terdapat 12 spesies mangrove yang sesuai dengan faktor lingkungan di Pantai Utara Jakarta.

Kata kunci : *Mangrove Pantai Utara Jakarta, Kelas Kesesuaian, Ekologis Mangrove, Faktor Lingkungan.*

ABSTRACT

The mangrove ecosystem on the North Coast of Jakarta has an important role, but the current condition is become a concern. This is because these ecosystems are directly adjacent to settlements and urban crowds, therefore the mangrove ecosystem is threatened. Mangrove planting needs to pay attention to the feasibility of land that has good environmental conditions for growing. The purpose of this study was to determine the distribution of mangroves, to determine the environmental factors of the mangrove ecosystem, and to determine the suitability class of the mangrove ecosystem on the North Coast of Jakarta. The method were used in this study is a survey method to obtain data on the distribution of mangroves and data on environmental parameters. Based on the results of research the density of mangrove species is included in the criteria of rare to moderate (530 - 1640 ind/ha), the diversity of mangrove species is included in the criteria of low to moderate (0.61 - 1.59), and the important index value (INP) is included in the low to high criteria (4.52% - 216.98%). Environmental factors in the North Coast of Jakarta based on quality standards, that the parameters of water pH and dissolved oxygen have below the quality standard, while the phosphate and nitrate value is included in the high category. According to the analysis of the suitability of mangrove spesies, there are 12 species of mangrove that are suitable with environmental factors.

Keywords : *Mangrove on The North Coast of Jakarta, Suitability Class, Mangrove Ecology, Environmental Factors.*