

Defi Klarisa Sari. DKS. 200341100016. Penilaian Jasa Ekosistem Terhadap Ekologi Kawasan Mangrove Di Wonorejo Surabaya. Dibawah bimbingan **Dr. H. Agus Romadhon, S.P, M.Si**

ABSTRAK

Jasa ekosistem mangrove di kawasan mangrove Wonorejo Surabaya mempunyai nilai ketersediaan terhadap barang dan jasa yang dimanfaatkan oleh masyarakat sekitar. Tujuan dari penelitian yaitu untuk mengetahui kualitas perairan, identifikasi jasa ekosistem mangrove dan menilai status ketersediaan jasa ekosistem mangrove di kawasan mangrove Wonorejo Surabaya. Metode pengambilan data penelitian dengan menggunakan survey dan wawancara. Analisa data menggunakan form kualitas perairan sesuai standar baku mutu. Identifikasi jasa ekosistem dengan melakukan transek dan form penilaian partisipasi ekosistem mangrove dan menilai sampah sesuai kategori. Penilaian matriks ketersediaan jasa ekosistem mangrove menggunakan model bukhard. Hasil penelitian menyebutkan bahwa kualitas air di lokasi penelitian bekisar baik dengan standar baku mutu yang ada. Identifikasi jasa yang didapatkan berupa jasa pendukung sebagai penyedia nutrisi, feeding ground, habitat burung, ular dan monyet. Jasa pengaturan sebagai penahan abrasi, mengatur kualitas perairan. Jasa penyedia sebagai sumber daya ikan, menghasilkan buah, menyediakan sumber daya crustacea dan jasa budaya sebagai tempat penelitian, tempat berteduh, pembelajaran dan edukasi, wisata dan penahan sampah. Sebagian besar masyarakat di kawasan tersebut mendapatkan manfaat dari keberadaan ekosistem mangrove terhadap jasa budaya. Jasa budaya sebagai wisata salah satunya berguna dalam mendorong pendapatan dan meningkatkan kesejahteraan dan sebagai sarana edukasi pembelajaran dalam pengenalan ekosistem mangrove. Ketersediaan jasa ekosistem mangrove jasa pengaturan dan jasa budaya berskala negatif, jasa pendukung berskala positif dan jasa penyedia berskala seimbang. Namun, harus dilakukan penelitian lebih lanjut dalam penilaian jasa ekosistem mangrove secara berkelanjutan dalam pemanfaatan jasa ekosistem kepada masyarakat setempat.

Kata Kunci : identifikasi jasa ekosistem, jasa ekosistem mangrove, kualitas perairan, model bukhard

Defi Klarisa Sari. DKS. 200341100016. Assessment Of Ecosystem Services On The Ecology Of The Mangrove Area In Wonorejo Surabaya. Advisor **Dr. H. Agus Romadhon, S.P, M.Si**

ABSTRACT

Mangrove ecosystem services in the Wonorejo Surabaya mangrove area have the value of providing goods and services that are used by the surrounding community. The aim of the research is to determine water quality, identify mangrove ecosystem services and assess the status of availability of mangrove ecosystem services in the Wonorejo Surabaya mangrove area. The research data collection method uses surveys and interviews. Data analysis uses water quality forms according to quality standards. Identify ecosystem services by conducting transects and forming a mangrove ecosystem assessment and assessing waste according to categories. Matrix assessment of the availability of mangrove ecosystem services using the Bukhard model. The research results show that the air quality at the yard research location is good according to existing quality standards. Identify the services obtained in the form of supporting services as a provider of nutrition, feeding ground, habitat for birds, snakes and monkeys. Services for controlling abrasion, regulating water quality. Provider of services as a fish resource, producing fruit, providing crustacean resources and cultural services as a place for research, shelter, learning and education, tourism and waste collection. Most people in the area benefit from the existence of the mangrove ecosystem for cultural services. One of the cultural services as tourism is useful in increasing income and improving welfare as well as as a means of educational learning in introducing mangrove ecosystems. Availability of mangrove ecosystem services, regulatory services and cultural services on a negative scale, supporting services on a positive scale, and providing services on a balanced scale. However, further research must be carried out in assessing mangrove ecosystem services in a sustainable manner in the utilization of ecosystem services for local communities.

Keyword: *identification of ecosystem services, mangrove ecosystem services, water quality, Bukhard model*