

NERIS NORMA TRIS VIONITA. NRP.150341100008. berjudul ANALISIS PROKISMA DAUN DAN PROPAGUL MANGROVE (*Avicennia marina* dan *Avicennia lanata*) DI EKOWISATA MANGROVE WONOREJO SURABAYA
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ABSTRAK

Avicennia sp merupakan ekosistem mangrove yang terletak pada zonasi paling depan menghadap kearah laut, mangrove genus ini memiliki 3 jenis spesies yaitu *Avicennia marina*, *Avicennia lanata*, *Avicennia alba*. Penelitian ini bertujuan untuk mengetahui perbandingan kandungan gizi daun dan propagul *Avicennia* sp yang ada di Ekowisata Mangrove Wonorejo Surabaya. Dilakukan pengukuran kualitas perairan Oxygen terlarut (DO), suhu, salinitas, Potensial Hidrogen (pH) Pengambilan sampel dengan Metode purposive sampling dilakukan pada 2 titik yang berbeda dan pada 2 jenis spesies *Avicennia* sp yaitu *Avicennia marina* dan *Avicennia lanata*. Pengambilan sampel dilakukan 3 ulangan per pohon kemudian dilakukan analisa proksimat di laboratorium Ilmu Kelautan Universitas Trunojoyo Madura dengan Metode AOAC 1999. Hasil uji perbandingan (Independent-sample *t* test) dengan sampel daun propagul *Avicennia lanata* dan *Avicennia marina* diperoleh nilai lebih besar dari $\alpha = 0,05$ maka tidak ada perbedaan yang signifikan. Perbedaan tersebut diduga kondisi parameter perairan yang tidak jauh berbeda. Namun, kandungan gizi propagul dan daun lebih tinggi pada mangrove *Avicennia marina*, disebabkan kualitas perairan lebih baik dibandingkan dengan titik lokasi pertumbuhan *Avicennia lanata*.

Kata Kunci : *Avicennia marina*, *Avicennia lanata*, Analisa Proksimat, Ekowisata Wonorejo Surabaya.

NERIS NORMA TRIS VIONITA. NRP.150341100008. NERIS NORMA TRIS VIONITA. NRP.150341100008. entitled Proximate Analysis of Leaves and Propagules of Mangroves (*Avicennia marina* and *Avicennia lanata*) in Mangrove Wonorejo Surabaya Under Guidance **Insafitri, ST., M. Sc., P.hD**

ABSTRACT

Avicennia sp is a mangrove ecosystem located at the front of the zoning facing towards the sea, the mangrove genus has three species such as *Avicennia marina*, *Avicennia lanata*, *Avicennia Alba*. This research aims to determine the nutritional content ratio of leaf and propagation of *Avicennia SP* in the ecotourism Mangrove Wonorejo Surabaya. Carried out quality measurement of Oxygen dissolved Waters (DO), temperature, salinity, potentiation of hydrogen (pH) sampling by the Purposive sampling method is conducted on 2 different points and on 2 types of *Avicennia SP* species namely *Avicennia marina* and *Avicennia lanata*. Sampling carried out 3 repeats of the tree and then carried out the analysis of the Laboratory of Marine Sciences Trunojoyo Madura University with AOAC method 1999. Comparative test Results (Independent-sample t test) with sample propagation leaves *Avicennia lanata* and *Avicennia Marina* obtained greater value of $\alpha = 0.05$ then there is no significant difference. The difference is suspected that the condition of water parameters is not much different. However, the nutritional content of the Propagul and leaf is higher in the *Avicennia Marina* Mangrove, due to the quality of the water is better compared to the location of the growth of *Avicennia lanata*.

Keywords: *Avicennia marina*, *Avicennia lanata*, Proksimat analysis, ecotourism Wonorejo Surabaya.