

## **Analisis Kadar Klorofil 3 Jenis Tanaman Mangrove pada Zona yang Berbeda di Tritih Cilacap**

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### **INTISARI**

*Avicennia* sp., *Bruguiera* sp., dan *Rhizophora* sp. adalah beberapa vegetasi yang biasa ditemukan di zonasi hutan mangrove. Perbedaan kondisi lingkungan dan kandungan klorofil pada daun akan mempengaruhi proses fisiologisnya, salah satunya adalah fotosintesis.

Penelitian ini dilakukan di Kawasan Wisata Hutan Payau Tritih Cilacap untuk pengambilan sampel daun *Avicennia* sp., *Bruguiera* sp., dan *Rhizophora* sp. dari tajuk bagian timur, bagian tengah dan bagian barat. Masing-masing jenis dilakukan 3 ulangan. Sampel daun diamati dengan alat spektrofotometer dengan gelombang 645 nm dan 663 nm hingga memperoleh nilai kadar klorofil-a, kadar klorofil-b dan klorofil total. Hasil dihitung menggunakan analisis statistik berupa anova.

Arah tajuk tidak memberi pengaruh nyata terhadap arah pembentukan klorofil pada 3 jenis tanaman. Hasil penelitian menunjukkan bahwa klorofil-a memiliki nilai lebih tinggi dibandingkan dengan klorofil-b.

**Kata Kunci :** Hutan Mangrove, Klorofil, Kadar Klorofil

## **Chlorophyll content analysis of 3 types of mangrove plants in different zone at Tritih Cilacap**

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### **ABSTRACT**

*Avicennia* sp., *Bruguiera* sp., and *Rhizophora* sp. is some vegetation found in mangrove forest. Differences in environmental conditions and the content of chlorophyll in the leaves will affect physiological processes, one of which is photosynthesis.

This research was conducted in the Area Tourism Brackish Forest Tritih Cilacap for sampling leaf *Avicennia* sp., *Bruguiera* sp., And *Rhizophora* sp. of headers eastern, middle and western parts. Each of these types do 3 replications. Leaf samples were observed with a spectrophotometer with a wave of 645 nm and 663 nm to obtain the value of the levels of chlorophyll-a, chlorophyll content and chlorophyll-b total. Results are calculated using statistical analysis such as anova.

Directions header not had a significant effect on the direction of the formation of chlorophyll in the three types of plants. The results showed that chlorophyll-a have a higher value than the chlorophyll-b.

Keyword : Mangrove forest, chlorophyll, chlorophyll content