

## ABSTRAK

### **Odilia Zai, NIM 4191220012 (2024), Inventarisasi Jenis-Jenis Mangrove di Kawasan Pelestarian Hutan Mangrove di Pantai Paluh Merbau, Kecamatan Percut Sei Tuan**

Penelitian ini bertujuan untuk mengetahui jenis-jenis mangrove yang terdapat di Kawasan pelestarian hutan mangrove di Pantai Paluh Merbau Kec. Percut Sei Tuan serta untuk mengetahui bagaimana indeks keanekaragamannya. Penelitian ini dilaksanakan selama 2 bulan dengan menggunakan metode *Transect Line Plot* yaitu pengambilan sampel dilakukan dengan membuat lima transek dan lima plot dengan luas 10x10m. Jenis penelitian ini merupakan penelitian deskriptif kualitatif dan Analisis data yang digunakan yaitu menghitung indeks keanekaragaman menggunakan rumus Shannon-Wiener. Berdasarkan hasil penelitian yang dilakukan menunjukkan terdapat 10 spesies mangrove yang ditemukan di Kawasan Pelestarian Hutan Mangrove dengan spesies terbanyak yang ditemukan adalah *Avicennia marina* yang berasal dari famili Avicenniaceae. Adapun indeks keanekaragaman mangrove di lokasi penelitian tergolong kedalam kategori sedang ( $H' = 1,996432$ ).

***Kata Kunci:*** Mangrove, *Avicennia marina*, *Ceriops tagal*, *Rhizophora apiculata*, dan *Xylocarpus granatum*

## ABSTRACT

### **Odilia Zai, NIM 4191220012 (2024), Inventory of Mangrove Types in Mangrove Forest Conservation Areas on Paluh Merbau Beach, Percut Sei Tuan District**

This research aims to determine the types of mangroves found in the mangrove forest conservation area at Paluh Merbau Beach, District. Percut Sei Tuan and to find out what the diversity index is. This research was carried out for 2 months using the Transect Line Plot method, namely sampling was carried out by making five transects and five plots with a 10x10m luan. This type of research is qualitative descriptive research and the data analysis used is calculating the diversity index using the Shannon-Wiener formula. Based on the results of research conducted, it shows that there are 10 species of mangroves found in the Mangrove Forest Conservation Area with the most species found being *Avicennia marina* which comes from the Avicenniaceae family. The mangrove diversity index at the research location is included in the medium category ( $H' = 1.996432$ ).

**Keywords:** *Mangrove, Avicennia marina, Ceriops tagal, Rhizophora apiculata, and Xylocarpus granatum*