ABSTRAK

IRENIUS AKWIN (15 302 036) Potensi Hutan Mangrove Dan Karbon Tersimpan Pada Hutan Mangrove Lantebung Kota Makasar dibimbing oleh Dr.Ir. Asikin Muchtar M.Si dan Akhamad Kurnia N. S.pd; M.pd

Tujuan penelitian ini adalah untuk mengetahui potensi hutan mangrove Lantebung Kota Makassar, dan mengetahui potensi karbon tersimpan pada hutan mangrove Lantebung Kota Makassar.

Teknik pengumpulan data dalam penelitian ini adalah Observasi yaitu Melakukan pengamatan langsung ke lapangan dengan mengamati kondisi hutan mangrove, mengukur luas hutan mangrove Lantebung, dan kondisi lainnya. Pengukuran potensi hutan mangrove dapat dilakukan dengan teknik membuat plot ukur dengan ukuran 10 m x 10 m sebanyak 5 plot, semua pohon mangrove yang terdapat dalam plot ukur tersebut diamati kemudian diukur diameter pohon dan tinggi pohon untuk menghitung besarnya volume pohon yang ada dalam kawasan hutan mangrove Lantebung.

Hasil penelitian menunjukkan bahwa potensi hutan mangrove di Lantebung adalah cukup besar yang ditunjukkan oleh nilai hasil perhitungan volume pohon sebesar 5.259,81 m^3, dengan nilai rata-rata volume pohon per hektar sebesar 1.051,96 m^3, dengan luas hutan mangrove Lantebung 30 Ha. Potensi cadangan karbon tersimpan pada hutan mangrove Lantebung adalah cukup memadai, yang ditunjukkan oleh nilai hasil perhitungan karbon tersimpan sebesar **1,092,152** kg, dengan nilai rata-rata karbon tersimpan sebesar 21.4830 kg, dengan luas hutan mangrove Lantebung 30 ha.

Kata kunci : ***potensi, volume pohon, karbon tersimpan.***

IRENIUS AKWIN

ABSTRACT

Irenaeus Akwin (15,302,036) Potential Forest Mangrove And Carbon Stored On Forest Mangrove Lantebung City of Napier guided by Dr.Ir . Asikin Muchtar M.Si and Akhamad Ku rnia N. S.pd ; M.pd

The purpose of research it is to know the potential of forest mangrove Lantebung Makassar, and know potential of carbon stored in the forests of mangrove Lantebung Makassar.

Techniques of collecting the data in research this is the observation that Perform observations directly to the field to observe the condition of the forest of mangroves, measuring vast forests of mangrove Lantebung, and the condition of the other Measurement of potential forest of mangrove can be done with the technique makes a plot measuring the size of 10 mx 10 m as many as five plots, all trees mangrove contained in a plot measuring the observed and then measured the diameter of the trees and tall trees to calculate the magnitude of the volume of trees that exist in the area of forest mangrove Lantebung .

Results of the study showed that the potential of forest mangrove in Lantebung is quite large which is indicated by the value of the results of the calculation of the volume of trees amounted to 5259.81 m^3, with the value of the average volume of trees per hectare amounting to 1051.96 m^3, with extensive forests of mangrove Lantebung 30 Ha . The potential for stored carbon reserves in the Lantebung mangrove forest is quite adequate , as indicated by the calculated value of stored carbon of **1,092,152** kg, with an average value of stored carbon of 21.4830 kg, with an area of 30 ha of Lantebung mangrove forest .

Key words : ***potential , tree volume , stored carbon .***