RINGKASAN

YUFEN ERMINUS LAY (18380020). Analisis Tutupan Kanopi Mangrove dengan Menggunakan Metode *Hemispherical Photography* Di Desa Kuli Kecamatan Lobalain Kabupaten Rote Ndao. Dr BEATRIX REHATTA, S.Pi., M.Si sebagai Pembimbing I dan Ir. YOHANES MERRYANTO S., M.Si. Ph.D sebagai Pembimbing II. Fakultas Perikanan dan Ilmu Kelautan, Universitas Kristen Artha Wacana.

Hutan mangrove merupakan salah satu ekosistem pesisir yang sangat penting bagi keberlanjutan lingkungan dan kehidupan masyarakat pesisir. Penelitian ini bertujuan untuk menganalisis persentase tutupan mangrove, di Desa Kuli, Kecamatan Lobalain, Kabupaten Rote Ndao. Penelitian ini dilaksankan pada bulan April 2023 menggunakan metode *hemispherical photography* untuk melihat tutupan kanopi mangrove. Vegetasi mangrove di Desa Kuli tersusun atas 4 (empat) jenis *Avicennia officinalis, Bruguiera cylindrica, Rhizophora stylosa, Sonneratia alba*, dari 3 (tiga) famili yaitu *Avicenniaceae, Sonneratiaceae,* dan *Rhizophoraceae*. Nilai rata-rata kerapatan mangrove di Desa Kuli mencapai 1033,32 sehingga mengindikasikan kesehatan mangrove di Desa Kuli dalam kondisi baik atau sedang. Rata-rata tutupan kanopi mangrove di Desa Kuli mencapai 53,6% sehingga status kondisi Tutupan kanopi mangrove di Desa Kuli dalam kondisi baik atau sedang.

Kata kunci: Analisis tutupan, mangrove, *hemispherical photography*, Desa Kuli.

SUMMARY

YUFEN ERMINUS LAY (18380020). Analysis of Mangrove Canopy Cover Using the Hemispherical Photography Method in Kuli Village, Lobalain District, Rote Ndao Regency. Dr BEATRIX REHATTA, S.Pi., M.Si as Supervisor I and Ir. YOHANES MERRYANTO S., M.Sc. Ph.D as Supervisor II. Faculty of Fisheries and Marine Sciences, Artha Wacana Christian University.

Mangrove forests are a coastal ecosystem that is very important for environmental sustainability and the lives of coastal communities. This research aims to analyze the percentage of mangrove cover in Kuli Village, Lobalain District, Rote Ndao Regency. This research was carried out in April 2023 using the hemispherical photography method to see mangrove canopy cover. Mangrove vegetation in Kuli Village is composed of 4 (four) types of Avicennia officinalis, Bruguiera cylindrica, Rhizophora stylosa, Sonneratia alba, from 3 (three) families, namely Avicenniaceae, Sonneratiaceae, and Rhizophoraceae. The average value of mangrove density in Kuli Village reached 1033.32, indicating that the health of the mangroves in Kuli Village is in good or moderate condition. The average mangrove canopy cover in Kuli Village reaches 53.6% so that the status of mangrove canopy cover in Kuli Village is in good or moderate condition.

Key words: Cover analysis, mangrove, hemispherical photography, Kuli Village.