

## **PENAKSIRAN NILAI EKONOMI MANGROVE BAGI KEHIDUPAN BIOTA LAUT DI KAWASAN PANTAI BAROS KECAMATAN KRETEK KABUPATEN BANTUL DAERAH ISTIMEWA YOGYAKARTA**

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### **INTISARI**

Mangrove merupakan ekosistem pesisir yang memiliki banyak manfaat bagi kehidupan, meliputi manfaat fisologis, biologis, dan ekonomi. Manfaat biologis mangrove adalah manfaat bagi kehidupan biota laut yang mencakup mangrove sebagai tempat pemijahan, tempat pengasuhan, dan tempat mencari makan. Manfaat mangrove bagi kehidupan biota laut memiliki sifat *undervalue* bagi masyarakat sehingga jarang diperhatikan karena nilai manfaatnya tidak bisa dirasakan secara langsung oleh masyarakat. Penelitian bertujuan mengidentifikasi faktor yang memengaruhi hasil produksi nelayan tangkap, menghitung keuntungan hasil produksi nelayan tangkap, dan menghitung nilai ekonomi hutan mangrove bagi kehidupan biota laut

Penelitian ini dilakukan di kawasan hutan mangrove Baros, Kecamatan Kretek, Kabupaten Bantul. Metode pengumpulan data pada penelitian ini dilakukan dengan wawancara langsung kepada masyarakat yang melakukan kegiatan perikanan tangkap di kawasan hutan mangrove Baros dan pihak – pihak yang dianggap mampu memberikan informasi yang dibutuhkan, serta melalui studi literatur pendukung penelitian ini. Analisis data dilakukan dengan menggunakan metode *effect on production* dengan menghitung nilai surplus konsumen berdasarkan harga hasil tangkapan nelayan tangkap untuk mengestimasi nilai ekonomi ekosistem mangrove bagi kehidupan biota laut.

Berdasarkan penelitian yang telah dilakukan faktor yang memengaruhi hasil tangkapan nelayan adalah jumlah trip nelayan per tahun dengan rata – rata keuntungan nelayan tangkap di kawasan hutan mangrove Baros sebesar Rp15.531.149/tahun. Sementara itu rata – rata hasil perhitungan nilai surplus konsumen yang diperoleh sebesar Rp66.969.273/nelayan/tahun. Berdasarkan nilai tersebut dapat diketahui nilai taksiran nilai ekonomi mangrove sebesar Rp1.942.108.923/tahun, dengan luas hutan mangrove Baros seluas 7,64 hektar. Sehingga dapat diperhitungkan nilai ekonomi mangrove sebesar Rp254.322.616/ha/tahun bagi kehidupan biota laut.

Kata Kunci: *Effect On Production*, Surplus Konsumen, Biota Laut, Perikanan Tangkap, Mangrove Baros

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***ESTIMATION OF THE ECONOMIC VALUE OF MANGROVE FOR THE LIFE OF MARINE BIOTA IN THE BAROS BEACH AREA KRETEK DISTRICT BANTUL REGENCY SPECIAL REGION OF YOGYAKARTA***

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***ABSTRACT***

*Mangroves are coastal ecosystems that offer numerous benefits to life, including physiological, ecological, and economic benefits. One of the ecological benefits of mangroves is their role in marine life, including serving as spawning grounds, nursery grounds, and feeding grounds. The benefits of mangroves for marine life are undervalued by the community and are therefore rarely recognized because their value cannot be directly perceived. This study aims to identify factors influencing fishing production, calculate the profits from fishing production, and calculate the economic value of mangrove forests for marine life.*

*This research was conducted in the Baros mangrove forest area, Kretek District, Bantul Regency. Data collection methods included direct interviews with residents engaged in fishing activities in the Baros mangrove forest and other parties deemed capable of providing the necessary information, as well as through a review of supporting literature. Data analysis used the effect on production method, calculating consumer surplus based on the price of fishing catches to estimate the economic value of the mangrove ecosystem for marine life.*

*Based on the research that has been conducted, the factors that influence the fishermen's catch are the number of trips per year with an average profit of fishermen in the Baros mangrove forest area of IDR 15.531.149/year. Meanwhile, the average result of the calculation of the consumer surplus value obtained is IDR 66.969.273/fisherman/year. Based on this value, the estimated economic value of mangroves is IDR 1.942.108.923/year, with the Baros mangrove forest area of 7.64 hectares. So, the economic value of mangroves for marine life can be calculated at IDR 254,322,616/ha/year.*

*Keywords: Effect on Production, Consumer Surplus, Marine Life, Capture Fisheries, Baros Mangroves*

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