

Supattra Phosing 2007: Economic Valuation of Mangrove Forest in Donsak National Mangrove Conservation Zone, Surat Thani Province. Master of Science (Sustainable Land Use and Natural Resource Management), Major Field: Sustainable Land Use and Natural Resource Management, Interdisciplinary Graduated Program. Thesis Advisor: Associate Professor Ruangrai Tokrisna, Ph.D. 92 pages.

The objectives of this study were to study socio-economic conditions, pattern of mangrove forest resources utilization, and valuation of Donsak Mangrove Forest. Data were gathered by questionnaire interview of 103 households in 5 villages, in Donsak Sub-district. Results of this study revealed that average age of the villagers was 45 years and their average educational level was primary school. The average number of household members was 4. Average annual household income was 122,441 baht and average annual household expenditure was 85,085 baht. Main occupation was coastal fisheries. Mangrove utilization were mainly fishing and wood cutting.

For economic valuation of mangrove forest in Donsak National Mangrove Conservation Zone, the value of mangrove forest was 182,438,214 baht per year. Direct use value form fisheries resources forestry resources and aquaculture was 44,246,260 baht per year and indirect use value from natural nutrients and shoreline stabilization was 138,191,954 baht per year. Present value of Donsak mangrove forest was 3,648,764,280 baht

90.3 percent of the respondents realized the mangrove benefits. Reasons in decreasing mangrove area was the conversion in to shrimp farms. 87.3 percent of the respondents were willing to participate in mangrove conservation and rehabilitation.



Student's signature



Thesis Advisor's signature

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