



Research project of stakeholders funded at BKSDA, the Ministry of Forestry

Name

Counterpart

Title

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Z01

Preservation valuation of Hutan Bakau Pantai Timur Nature Reserve Area

Background and Methods

Hutan Bakau Pantai Timur Nature Reserve area lies along the east coast of Jambi province. Administratively it extends over two regions, Tanjung Jabung Barat and Tanjung Jabung Timur. Ecologically, economically, and social culturally, this area is important for the lives of those living around the area. The reserve contains a variety of forest structures, species diversities and environmental services. It is hoped that this variety will provide great environmental benefits for the community around the reserve. The purpose of this research was to estimate the preservation value of Hutan Bakau Pantai Timur Nature Reserve at Nipah Panjang Resort in Tanjung Jabung Timur District. The data was collected by interview using a questionnaire. There were 90 respondents.

Results

The survey results showed that the willingness to pay for existence (Existence Value) of the Hutan Bakau Pantai Timur Nature Reserve area was Rp. 5000 500,000. Of the 90 respondents, only 78 expressed a willingness to pay for the existence of the reserve. The total value of WTP for a year was Rp. 5,010,000. The median value was Rp. 30,000. The total value of WTP for a year was estimated from the existence value of the nature reserve by multiplying the WTP median value per year and the total population of Nipah Panjang I village, Teluk Kijing Village and Pemusiran Village (8757 people). This gave Rp. 262,710,000.

The willingness to pay bequest (here: the bequest value of maintaining eagles in the Hutan Bakau Pantai Timur Nature Reserve – called by us “Eagle value”) was about Rp. 5.000-500.000. The total WTP bequest value per year was Rp. 3,145,000. The median WTP value from the respondents willing to pay was Rp. 32,500. Total WTP value in a year was estimated from the “Eagle value” by multiplying the WTP median value and the total population of Nipah Panjang I village, Teluk Kijing Village and Pemusiran Village (8757 person) which gave Rp. 284,602,500. The preservation value is the sum of existence value and bequest value. Thus, the preservation value of this area, especially in Nipah Panjang Resort for 2017, was Rp. 547,312,500. The factors that influenced preservation value were occupation and income level of the respondents.