Using of Contingent Valuation Method in Estimating of recreational Value of Gandoman International Wetland

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Abstract

The functions of wetlands are water supply, livestock supply, wildlife refuge, employment and human uses, research and training, climate adjustment and recreational services. The purpose of this study is to estimating the economic value of Gandoman international wetland with area of over 1100 hectares in 2017 and provide it to the relevant authorities for its further protection. Data collection tool is questionnaire and the data were analyzed using descriptive statistics and logistic regression using SPSS and SHAZAM software. The results show that there is a significant negative relationship between the bid amount and the probability of respondents' willingness to pay at 5 percent. Also, there is a positive and significant relationship between monthly income and age variables of visitors with the probability of willingness to pay at 10 percent. In addition, according to the concept of the marginal effect, a unit increase in the bid amount, monthly income and age of the respondents would decrease 0.09 percent in probability of willingness to pay and would increase 19 and one percent in probability of willingness to pay, respectively. Based on estimated Logistic model, the expected value(average) of willingness to pay for each visitor is 5831.2 Toomans and total recreational value of Gandoman international wetland is approximately 175 million Toomans.

Keywords: Contingent Valuation Method, Gandoman Wetland, Logistic Model.

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