Abstract

Information on land prices in Jakarta is needed in line with the increasing population in Jakarta, the need for land, and the relatively high land search rate in Jakarta. Information on the classification of land prices in Jakarta is still rare, making it difficult for land seekers to determine which land to buy. This increases the need for information on land prices in each class. In this final project, classification is carried out using Random Forest which allows predicting classes on land price data. Assisted by spatial interpolation with the Ordinary Kriging method using Semivariograms that can predict land prices at points that are not yet known prices with points that have known prices, so that information in the form of maps containing the distribution of land prices in Jakarta can help land seekers. The results of the experiments conducted obtained the accuracy of the classification method using Random Forest is quite accurate with an accuracy of 82% and a Root Mean Square Error of 1.014896e7.

Keywords: Land Price, Jakarta, Classification, Random Forest, Ordinary Kriging