ABSTRACT

Title : Determination of Priority Locations for Procurement of River Border Green Lines using GIS-Multi Criteria Analysis in South Jakarta

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Study Program : Urban and Regional Planning

The fulfillment of 20% green open space for the public, 2% is expected to come from river border green open space. The purpose of this study is to identify the distribution of potential locations for river border green belts in South Jakarta and analyze the distribution of priority locations for the provision of river border green belts in South Jakarta. The research method used is descriptive quantitative, and the analytical method used to support this research is Spatial Analysis and Multi-Criteria GIS Analysis. The result of this study is the identification of the distribution of potential locations for the green belt of the river border of South Jakarta City is an area of 387,993 m2. The potential green line crosses six (6) rivers in South Jakarta. For the distribution of priority locations for the provision of river border green lanes, it is divided into important/widest class, followed by normal class and very important class, where for very important/very priority class (21-30) the total scores included are 21 and 22 with an area of 9,415 m2 with a total of 17 locations., The green line that has the potential as a river border green line in the normal, important, and very important class is 387,993 m2, while for the distribution of locations for the provision of a very important/very priority class river border green line there is an area of 348,812 m2, which shows that there is a discrepancy between the targets to be achieved based on the RDTR with the results of the analysis carried out in this study. The recommendation that can be given from the results obtained is the naturalization of the river for the program to restore the width of the river in preventing and overcoming floods.

Keywords: Green Line, River Border, Green Open Space, Location Distribution