

## ***ABSTRACT***

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Study Program : Urban and Regional Planning  
Judul : Identification of Land Suitability for Public Green Open Space  
in Kelurahan Duri Kosambi, Kecamatan Cengkareng

With increasing population growth and the uncontrolled development of a city, it can have a negative impact on the city, especially on the environment and nature. Kelurahan Duri Kosambi is one of the villages that shows quite rapid growth and development. The rapid growth of the city in Duri Kosambi is not matched by the increase in green open space which is currently only 6.4 hectares. This figure is still far from ideal conditions based on the calculation of the standard provisions of the World Health Organization (WHO). In fact, judging from its function, green open space is one of the important elements for the city. Therefore, the purpose of this study is to identify suitable land as a reference to increase the quantity of public green open space in Duri Kosambi.

The method used in this study is a descriptive-quantitative approach with scoring and overlay methods assisted by GIS applications. The variables used in this study are existing land use, city corridors, land prices, and extended land use. To get results from the identification of suitable land for public green open space, The stages of analysis used include scoring analysis, land suitability classification analysis and land validation. The results of this study are the land suitability class in Duri Kosambi which is very suitable at 34.85 ha or 6.69%, adequate suitable at 101.22 ha or 18.91%, and less suitable at 398.1 ha or 74.38 %. From the land suitability analysis, validation was carried out based on existing conditions in the form of land use and related regulations. Land that has the potential to be developed as public green open space, which is 115.50 Ha.

Keyword: Suitability, Public Green Open Space, GIS, Overlay