

Spatial Analysis of the Suitability of Residential Area Development in Ambon City

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Abstract

The increasing number of residents in Ambon City makes the need for land resources increase, while the existence of permanent land will eventually result in land conversion and will have an impact on environmental ment of residential areas with the RTRW of Ambon City in 2011-203. This study uses the SMCA mdamage in the future. In connection with this, in the future development of residential areas in Ambon City, it is necessary to conduct a spatial analysis of land suitability for settlements to assess the category of area functions and land suitability for settlements based on physical conditions and the existing RTRW. The research aims to analyze spatially the suitability of land for the development of residential areas in Ambon City and to evaluate the suitability of the developethod. The results of the study can be used to evaluate the RTRW of Ambon City 2011-2031. The results of the analysis show that an area of 13,282, 46 ha is suitable and 2,019, 88 ha is sufficient after the development of residential areas. Based on the results of the RTRW evaluation, it was found that there were many deviations related to the development of residential areas in protected areas and related to a distance of > 100 m from the river border that settlement builders were not allowed to do by Government Regulation of the Republic of Indonesia Number 38 of 2011 which was not yet in the Ambon City RTRW. This research is expected to be a reference in the evaluation of the Ambon City RTRW in the future.

Keywords: Spatial Analysis, Ambon City, Land Suitability, SMCA