

Refferal of Regional Spatial Plans (RTRW) by Analytical Hierarchy Process (AHP) Method (Case study: East kalimantan Province Area)

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Key words: Cadastre;

SUMMARY

Refferal of Regional Spatial Plans (RTRW) by Analytical Hierarchy Process (AHP) Method (Case study: East kalimantan Province Area) Udiana Wahyu Deviantari¹, Didik Wihardi², Yuliana Susilowati³ ¹ Geomatics Program, Institut Teknologi Sepuluh Nopember ²Masters Program in Land Administration, Geodesy and Geomatics Engineering Program ³Center for Geotechnology LIPI Abstract Province of East Kalimantan is the center of the activities of many parties, ranging from industrial sector, agriculture, forestry, mining, and also the center of economic activities of society. Spatial planning activities should be based on a land allotment notice constraints. In the spatial planning process required a study related to the ability / general land suitability and land suitability studies for a variety of special designation The regional Spatial Plans (RTRW) which is not in accordance with the suitability of land, will result in damage to the land. A direction for land use spatial planning using qualitative and quantitative methods for help existing problems. For data analysis using 2 methods, the first to determine the availability using Geographic Information System (GIS) and to determine the needs of land using AHP method (Analytical Hierarchi Proccess) . The method of AHP are designed with 4 kinds of alternative: Alternative 1, the priority order of mining, Agriculture, Plantation, Forestry ; Alternative 2, the priority order of Agriculture, Plantation, Forestry, Mining; Alternative 3, the priority order of Plantation, Forestry, Mining, Agriculture; Alternative 4, the priority order of Forestry, Mining, Agriculture, Plantation. Alternative analysis involment of stakeholder preference of society, governments and investors. The criteria used include the social, economic, and environmental aspects. Expected results of this study are as follows optimization of land use in the province of East Kalimantan by existing land suitability and analysis of regional spatial plans (RTRW) with AHP method. Keywords: Regional Spatial Plans, Alternative, AHP