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KESIAPAN INSTITUSI LOKAL DAN NASIONAL DALAM PENGEMBANGAN SISTEM INFORMASI PERENCANAAN WILAYAH BERBASIS SISTEM INFORMASI GEOGRAFIS (SIG)

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Abstrak : *This paper aims at observing to what extent the use of Geographic Information System (GIS) at local and national institution is towards the development of a GIS-based Regional Plan, also called a Spatial Information System (SIS) for Regional Planning. This topic was chosen due to the fact the changing process of government system in Indonesia (the shift from centralization to decentralization) has been facing many problems, especially relating to the lack of capability of local government staffs. In the context of regional planning and management, the use of an information technology like GIS is supposed to be able to help local government to deal with this problem. Since the decentralization is based on kabupaten/kota, the discussion will focus on the regional plan at this level. The institutions to be observed were also national and local institution addressed as users and producers of spatial digital data required in the process of making a regional plan at kabupaten / kota level. The observation was done through literature review, internet browsing, direct visit (interview with key persons), and questionnaire. The observations of national and local institutions revealed that most spatial data producers had been already using GIS for making and storing thematic maps relating to their tasks. Most respondents stated that they agreed and would support the endeavor to develop SIS for Regional Planning in among spatial data users and producers, the lack of human resource management at national provincial and local levels, and the less dissemination of GIS technology in local government. To deal with those barriers, some suggestions are therefore given in the last part of this paper.*

Keywords : *GIS (SIG), SIS, regional planning (perencanaan wilayah)*