

**MODELING OF SPATIAL DATA INFRASTRUCTURE TO SUPPORT
LOCAL E-GOVERNMENT GIS:
CASE STUDY OF DEPOK CITY**

ABSTRACT

National Spatial data infrastructure in Indonesia aimed support to share spatial data between government agency for efficiency and efectivity in every government level. Still no model yet of spatial data infrastructure for the local government level in Indonesia. The focus of this paper are discusses a model of spatial data infrastructure for the local government level and its implementation to support e-government applications based on GIS, The method used in this paper are a survey and observation, analysis and evaluation of Spatial Data Infrastructure components using organisization, technology, production and interoperability perspective to get Spatial Data Infrastructure model at local level and implementation model to support e-government applications based on GIS. As a limitation, using the case study area of Depok City Government. The results of this paper are a model of spatial data infrastructure that supports the role of interoperability and process of sharing data, model using web map services to support e-government applications based GIS at the Depok city.

Keywords: local spatial data infrastructure model, spatial data management, e-government GIS, spatial data sharing, web map service implementation