ABSTRACT

Cirebon city located in eastern part of West Java province and is located at the northern main line traffic. As an emerging area, the existence of facilities and infrastructure of good territory will support the programs of local government. Cirebon city government really need an information system that can be used to manage its facilities and infrastructure of the region because until now the Government does not have such a system. Local Government City of Cirebon still use the archive documents the survey and its management is still manual. Therefore, in this research will discuss about the design of Data Processing Information Systems Facility and Regional Infrastructure to facilitate the town of Cirebon in data management facilities and infrastructure areas. In addition to designing geographic information systems, another goal that will be done that is to implement and test the Data Processing Information Systems Infrastructure Cirebon City Region that had been designed earlier.

Data Processing Information Systems In the design of Infrastructures this Cirebon City Region, data collection methods used were observation and interviews, the method of approach used is structured method of approach, method development system with waterfall model. Tools for analysis and design includes flowmap, context diagrams, data flow diagram of a relation table, entity relationship diagrams and data dictionary. The software used in the design of Data Processing Information Systems Infrastructure Cirebon City Region is Microsoft Visual Basic.net as an interface, Microsoft Office Access as the database and MapInfo MapX 5.0 as a data processing map.

The results of this study is a Data Processing Information Systems Infrastructure Cirebon City Region that is expected to help the performance of Cirebon city government to manage the data infrastructure. It can also be used to prepare a report relating to data facilities and infrastructure areas.

Keywords: Data Processing Information Systems, Services and Regional Infrastructure, City of Cirebon.