

ABSTRACT

ANALYSIS AND DESIGN OF ENTERPRISE ARCHITECTURE ELECTRONIC-BASED GOVERNMENT SYSTEM IN THE SECTOR OF ROAD MAINTENANCE AND CONSTRUCTION USING THE TOGAF ADM FRAMEWORK (STUDY CASE: BINA MARGA DAN PENATAAN RUANG PROVINSI JAWA BARAT)

By

EGI CHAYATUN NUFUS

NIM : 1202160133

E-Government is one of the activities of the utilization of Information and Communication Technology developed by the government, to improve service functions in every government agency including Dinas Bina Marga dan Penataan Ruang West Java Province in the sector of maintenance and construction of the road. Although it has implemented E-Government in its operational activities, the maturity level has not too mature, so there is a great possibility of not achieving the goal and the fulfillment of the organization's need. Therefore, to support the government's efforts in the implementation the E-Government needed an architectural design to support of business process integration, application optimization, integration of existing and target applications, as well as the centralization and security of data available in the sector of maintenance and construction road of West Java Province. Therefore to do the E-Government Enterprise Architecture design, the authors use the TOGAF ADM framework as a solution to the needs and can support the application of E-Government in the sector of maintenance and construction road West Java Province. The design of Enterprise Architecture is an improved solution for business process, data integration, proposal and application development, and fulfillment of the needs of supporting technology in the Dinas Bina Marga dan Penataan Ruang West Java Province.

Keyword – Electronic Based Government System, Enterprise Architecture, TOGAF ADM, function of maintenance and construction road.