

ABSTRACT

ANALYSIS AND DESIGN OF ENTERPRISE ARCHITECTURE IN ELECTRONIC BASED GOVERNMENT SYSTEM ON THE FIELD OF SETTLEMENT INFRASTRUCTURE USING TOGAF ADM (Case Study: Housing And Settlement Area Of West Java Province)

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To approve Presidential Regulation No.95 of 2018 concerning Electronic-Based Government Systems (SPBE), the Government of West Java Province must be able to align business services with existing information technology. The Department of Housing and Settlements is a Regional Apparatus Organization that is authorized to carry out government affairs in the housing, settlement and land sector. Management and use of Information Technology in the Housing and Settlements Department is not optimal so it needs to be improved in order to increase the maturity of the West Java Province SPBE index. Enterprise Architecture is one method that can align business processes with information technology in the Department of Housing and Settlements of West Java Province. In designing an EA, a framework that can support broad development in terms of business, data, applications and technology is needed. TOGAF ADM is a framework used in this study which consists of 9 phases. In this study, the research focuses on the sector of settlement infrastructure by producing an output in the form of an application design that can be used as a support for business processes in the infrastructure and settlement areas. Enterprise Architecture is expected to facilitate the achievement of strategic objectives, business process improvement, information systems and information technology used.

This research produced a blueprint of Enterprise Architecture that contained business architecture, data architecture, application architecture and architecture technology that were integrated with each other.

Keywords: Enterprise Architecture, Framework, TOGAF ADM, SPBE, Department of Housing and Settlements of West Java Province