

ABSTRACT

ENTERPRISE ARCHITECTURE ANALYSIS AND DESIGN USING TOGAF ADM APPROACH ON SUPERVISION FUNCTION (CASE STUDY: PERUSAHAAN DAERAH AIR MINUM TIRTA RAHARJA KABUPATEN BANDUNG)

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Regional Water Company (PDAM) Tirta Raharja is a regional company engaged in the field of public services in the provision of drinking water in the area of Bandung. PDAM was inaugurated in 1997 by local regulations. To achieve PDAM vision which is with excellent service makes PDAM the most advanced and competitive with the alignment between technology and business. In order for technology and business to be able to run in company in accordance with company SOP hence the need of a controlling for existing business process in the company, so it can run maximally so that company goal can be achieved.

PDAM conduct supervision so that operational activities of company can run with company SOP. However, there are still some obstacles in the implementation of supervision in the PDAM as, on the monitoring still cannot be run evenly. In order to handle the condition of the company, one solution is to design the enterprise architecture to be organized and structured on supervision management. The definition of enterprise architecture is a blueprint architecture design which is a design artifact in the form of descriptive representations relevant to describe the existing condition of the company and the company's target conditions used to achieve corporate goals. For designing an enterprise architecture, a framework is required, in order to simplify and accelerate the development of architecture. In addition, the framework can also be used to ensure the coverage of complete design solutions and ensure that the architecture is designed to be developed in the future according to the needs of the company's business.

The design of enterprise architecture in the supervision of PDAM is using TOGAF ADM. TOGAF ADM can describe the specific process for enterprise architecture development process in company. In the TOGAF ADM the phases used include: Preliminary Phase, Architecture Vision, Business Architecture, Information Systems Architecture, Technology Architecture, Opportunities and Solutions, and Migration Planning. This study then will result in a blueprint architecture and IT roadmap that can be used as a guide to build a supervisory management in PDAM.

Keywords: *blueprint architecture, IT roadmap, enterprise architecture, supervision, TOGAF ADM*