

ABSTRACT

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PT. XYZ is Indonesian Stated Owned Enterprise (SOE) focusing in industrial and manufacturing for raw material management, energy and infrastructure to create a product that focus on national defense equipment and also commercial security and defense in Indonesia. As SOE, PT. XYZ Governed by government regulations in running its operations both in terms of business and information technology.

Referring to PER-02/MBU/2013 on guidelines for the preparation of information technology management of SOEs. IT master plan is needed to be create for 3 until 5 years in order to align it with company long term plan to support company goal and strategy. One of the way to align business strategy and IT strategy is implementation of Enterprise Architecture (EA).

EA is one of the solution to align business strategy and IT. In designing, EA has 4 main components which are business architecture, data architecture, application architecture, and technology architecture. EA is built based on the framework. This framework will be the form in EA design. TOGAF ADM is one of the framework use for designing EA.

TOGAF ADM have the most complete framework compare to the others. The design of EA using TOGAF ADM will result an output of artifacts that will assist in the preparation of IT development. In this research will be designed from Preliminary phase, Architecture Vision, Business Architecture, Information System Architecture which includes Data Architecture and Application Architecture, Technology Architecture, Opportunities And Solutions and Migration Planning.

Output from this research is IT roadmap for public administration, information, facilities and control function. From this research, it is expected as one of the solution for they IT master plan creation in PT. XYZ.

Keywords: *Enterprise architecture, TOGAF ADM, IT master plan, PER-02/MBU/2013*