ABSTRACT

The rapid development of information technology affects how to do work that is digitized and prioritizes the use of technology. Alignment of information technology strategy with business is an important factor for a company or organization. However, not all companies can implement and develop information technology in accordance with company needs. One of them is the Telkom Corporate University Center (TCUC) Planning and Controlling unit in the Risk and Quality Management function. Telkom Corporate University Center (TCUC) is part of the Human Capital Management organization at PT Telekomunikasi Indonesia Tbk which is designed to support the achievement of the company's mission by strengthening individual and organizational learning abilities. The Risk and Quality Management function has several obstacles and requires an appropriate information technology strategy alignment to solve existing problems. For this reason, Enterprise Architecture solutions are needed to overcome these problems.

In this study, we discuss the design of Enterprise Architecture (EA) to align the business and technology needs of the company and also maximize the development of the information technology used. Enterprise Architecture is designed using the TOGAF (The Open Architecture Framework) framework with the ADM (Architecture Development Method) methodology. The design starts from the Preliminary Phase, Architecture Vision, Business Architecture, Data Architecture, Application Architecture, Technology Architecture, Opportunities and Solutions, and Migration Planning. The final result of this research is an IT roadmap as a reference for technology development in implementing the Enterprise Architecture blueprint in the Risk and Quality Management Planning and Controlling Unit at the Telkom Corporate University Center (TCUC).

Keywords*: Enterprise Architecture, Blueprint, Information Technology (IT), Risk and Quality Management, and TOGAF ADM.*