ABSTRACT

Currently, the design of information systems and information technology in an organization or company is very important in order to achieve more value and benefits for the organization or company so that it helps in the field of management systems, as well as the encouragement of the right information system will have a good impact on the business processes contained in the system. an organization or company. However, overall there are still many companies that have not been able to implement information technology systems in accordance with the needs and strategic objectives of the company. One of them is the Telkom Corporate University Center (TCUC) Planning and Controlling unit in the Budget Planning and Controlling function. Telkom Corporate University Center (TCUC) is part of the Human Capital Management (HCM) directorate organization which is currently regulated and stipulated in the company regulations (Persero) PT Telekomunikasi Indonesia Tbk. The Telkom Corporate University Center (TCUC) in the global competition of the industrial era 4.0 prepares and develops knowledge related to digital capabilities which are currently in the transition to digital transformation. In particular, in the Budget Planning and Controlling function, there are several problems that hinder the achievement in accordance with the company's strategic needs and objectives. Therefore, it is necessary to have Enterprise Architecture (EA) in overcoming the problems contained in the Budget Planning and Controlling function and provide an overview of integration in the modeling and design of information technology to organize IT implementation according to the needs of an organization or company. With the Enterprise Architecture (EA), the design and implementation of a system and system components can produce a good integration to encourage the achievement of the company's strategic goals. The final result of this research is an IT Roadmap design which will be the company's reference in developing technology and the Blueprint Enterprise Architecture design which can be used as an overview of the Telkom Corporate University Center (TCUC) Planning and Controlling unit in the Budget Planning and Controlling function. This research uses the TOGAF ADM 9.2 framework, in the preliminary phase, Phase A: Architecture Vision, Phase B: Business Architecture, Phase C: Information

System Architecture, Phase D: Technology Architecture, Phase E: Opportunities and Solutions, and Migration Planning.