ABSTRACT

The continued development of information technology can help governments to run public services. Lembaga Teknis Kota Bandung is part of Bandung City Government that serve all the needs of the citizens of Bandung City. There is not an integration system for data and information in Lembaga Teknis Kota Bandung, causing the need to design a data center to integrate data and information.

Analysis and design of technology architecture on data center domain using the Zachman Framework. Zachman Framework describe the logical structure for classifying and organizing the physical description of an Enterprise in different dimensions, where each dimension can be assessed from different angles so that the information systems artifacts can be more detailed and complete. Enterprise Architecture Planning is a series of processes to fill artifacts contained in the column of the Zachman Framework systematically. Preliminary analysis conducted in this research is defining the business model on Lembaga Teknis Kota Bandung using existing processes in the EAP, then continue with the design of technology in the architecture data center domain.

With the data center, data and information in Lembaga Teknis Kota Bandung is integrated with each other. Public service process becomes faster and increase transparency as easily take the data in the data center. Each department has its own storage media as a backup if the access to the data center is not available yet.

Keywords: Information Technology, Technology Architecture, Data Center Architecture, Lembaga Teknis Kota Bandung, Zachman Framework