

ABSTRACT

Badan Pelayanan Perizinan Terpadu (BPPT) Bandung is one of the technical institute located in the city of Bandung that have high levels of data interoperability and has increased each year. Technical institute is required to serve the licensing application quickly in large volume in order to increase people's satisfaction with the performance of services. To achieve this objective it is necessary to integrate the data so that data management is not experiencing redundancy.

Analysis and design of the data architecture in BPPT Bandung using the Zachman Framework is one solution to build a service that is consistent with the objectives of the organization and increase public satisfaction. Analysis and design of the data architecture in this study using Zachman Framework which the cells are filled is the cells in the matrix the top twice three and the first cell in the third row of the Zachman Framework. The replenishment of the top twice three matrix of Zachman Framework is done using Enterprise Architecture Planning (EAP) method.

The results of this form of analysis and design generated from contextual architecture planning initiation, conceptual architecture resulting from the modeling phase of the business, and the architecture of the data in the form of a matrix mapping data on the functioning of the organization and the organizational unit, Entity Relationship Diagram (ERD), and class diagram.

Keywords – BPPT, data architecture, enterprise architecture, Enterprise Architecture Planning, Zachman Framework.