

ABSTRACT

The Bandung City Health Office is one of the agencies belonging to the Bandung City government which is in charge of carrying out public service activities in the health sector. The Bandung City Health Office has a vision that is to make Bandung a healthy city that is independent and just. To achieve the vision and mission of the Bandung City Health Office, the latest technology or information systems are needed that support the performance of each existing business function, especially in the Public Health Sector. The Public Health sector is one of the main functions of the Bandung City Health Office which is responsible for implementing family health and nutrition programs, environmental health, occupational health, sports, health promotion, and community empowerment. To improve the performance and performance of the Public Health Sector, it is necessary to develop an information system to support business process activities. Before designing an information system, it is necessary to align business strategy with the use of technology. Therefore, alignment can be done by designing an enterprise architecture.

Enterprise Architecture is a concept or method that aims to align the vision and mission of an organization based on a particular architectural domain. In doing the design, a framework is needed that can be used as a guide for working on the enterprise architecture design. TOGAF ADM is used because it is flexible and has a clear division of domains or phases. In this research, the enterprise architecture design uses TOGAF ADM starting from the preliminary phase to the opportunities and solutions phase. At each phase in TOGAF ADM will have an output in the form of artifacts consisting of catalogs, matrices, and diagrams. The final result of the enterprise architecture design is an architectural blueprint consisting of a proposed project for the development of a new information system and an improvement in technology infrastructure. In addition, the IT Roadmap is made as a time reference in carrying out project work based on the architectural blueprint. The expectation from the results of the design and implementation of enterprise architecture is an increase in the performance of each existing business function, especially in the Public Health Sector.

Keywords—Enterprise Architecture, technology, TOGAF ADM, Public Health Sector, Health Office, architecture, design