

ABSTRACT

The East Jakarta Health Sub-department is a Health Service Work Unit in the East Jakarta City Administration in the implementation of community health development and development activities. As a city health work unit, the East Jakarta Health Sub-department has several obligations to formulate health sector policies, implement health sector policies, carry out evaluation and reporting in the health sector, carry out administration of the Health Service, and carry out other functions related to public health problems in East Jakarta City. including the process of sending data to the District Health Center in East Jakarta, namely the Cakung District Health Center. The Disease Prevention and Control Division (P2P) at the East Jakarta Health Service has applications including SITB, SIHA, SIHEPI, Siskohatkes, Silantor, and PPTM Surveillance. However, in practice, there are still obstacles in reporting at the puskesmas level, such as inappropriate workloads and system servers that are often constrained to hamper the speed of data transmission. The absence of integration between systems in the P2P Division also makes the process of making collaborative activity plans ineffective and inefficient. One solution to organize and manage the application of information technology is to design an Enterprise Architecture. Enterprise Architecture is a logical, comprehensive, and holistic approach to designing and implementing systems and system components so that they can be well integrated to support company goals. In designing Enterprise Architecture, a framework is needed as a guide in designing alignment between information technology and business goals. The framework used in this research is TOGAF ADM. TOGAF ADM is a method in designing Enterprise Architecture in the form of a tested and iterative process. There are seven phases of TOGAF ADM used in designing Enterprise Architecture in this study, namely the preliminary phase, architecture vision, business architecture, information system architecture, technology architecture, opportunities and solutions and migration planning. In this study, we will discuss the current condition of the P2P Division of the East Jakarta Health Sub-department's architecture and also the targets containing proposed solutions for improving business processes, data integration, application development, and meeting the needs of health information systems regarding the P2P Division at the East Jakarta Health Sub-dept. and East Jakarta District Health Center. And produce an IT Roadmap that can be used as a guide for the East Jakarta Health Service in building IT infrastructure. In addition, the EA design will also be validated with the process business owner on the proposed business process target.

Keywords--- *East Jakarta Health Sub-dept., Cakung Sub-district Health Center, Disease Prevention and Control Division (P2P), Enterprise Architecture, TOGAF ADM.*