ABSTRACT

As the Work Unit of the Health Service in the City of East Jakarta City Administration, the East Jakarta Health Sub-dept. has several obligations to formulate policies in the health sector, implement health policies, carry out evaluation and reporting in the health sector, carry out administration of the Health Service, then under it there is an East Jakarta Public Health Center which serves as the technical implementing unit of the city health office and is responsible for organizing the health development of the city of East Jakarta. In this case, the East Jakarta Health Sub-department as well as the Cakung Health Center have used the information system to assist health services, but there are still some obstacles and shortcomings in the process of reporting health services for the City of East Jakarta. Constraints on Health Information System (HIS), especially in the Planning, Controlling, and Information division in the East Jakarta Health Sub-dept., namely the applications used are still not integrated, data redundancy, the reporting process is repetitive, and still requires manual reporting input. The final result of this research is in the form of an EA design blueprint that contains proposed solutions for business process improvements, data integration, application development, and fulfillment of health information system needs concerning the Planning, Controlling, and Information division at the East Jakarta Health Sub-dept. in the hope of simplifying the reporting flow. health services in the city of East Jakarta. In designing Enterprise Architecture, a framework is needed as a guide in designing the alignment between information technology and business goals. The framework used in this study is TOGAF ADM, with the scope of the preliminary phase, architecture vision, business architecture, data architecture, application architecture, technology architecture, opportunities and solutions, and migration planning. This research will also discuss the current condition of the architecture of the East Jakarta Health Sub-dept. and the Cakung Health Center as well as targets which then produce an IT Roadmap that can be used as a guide for the Health Sub-dept. in building IT infrastructure. In addition, the design will also be validated with the process business owner on the proposed business process target.

Keywords--- *Health Information System, East Jakarta Health Sub-dept., Cakung Health Center, Enterprise Architecture, TOGAF ADM*