

ABSTRACT

One of the utilization of information systems used in the health sector or hospitals to improve community services is SIM RS (Hospital Management Information System). The implementation of SIM RS is required for every hospital following the Regulation of the Minister of Health of the Republic of Indonesia Number 82 of 2013, where SIM RS aims to create a coordination network that can process and integrate the entire flow of health service business processes, reporting and administrative procedures to obtain information quickly, precisely and accurately. The implementation of the RS SIM has been actively carried out by Sidoarjo Regional General Hospital (RSUD) as an organization responsible for carrying out affairs in the health sector. This study aims to improve the effectiveness and efficiency of health services by designing Enterprise Architecture at Sidoarjo Regional General Hospital using the TOGAF ADM 9.2 framework as a reference in adjusting the design of business and data architecture domains. In this research, TOGAF ADM 9.2 consists of Architecture Principle, Architecture Vision and Architecture Requirements, Business Architecture, and Data Architecture phases. The final result of this research is an Enterprise Architecture blueprint at Sidoarjo Regional Hospital which can be used as a solution in developing information systems in organizations to improve service quality and achieve the goals and strategic plans of Sidoarjo Regional Hospital.

Keywords — Regional General Hospital (RSUD), Enterprise Architecture (EA), SIM Hospital, TOGAF ADM