

ABSTRACT

ANALYSIS AND DESIGN OF ARCHITECTURE ENTERPRISE BASED TOGAF ADM IN HOSPITAL : CASE STUDY ON HUMAN RESOURCE SECTION, EDUCATION AND RESEARCH RSUD AL-IHSAN

The management of Human Resources, Education and Research activities at Al Ihsan Hospital is still slow, this is because the Hospital Management Information System (SIMRS) has not been integrated to all parts in RSUD Al Ihsan. Therefore, it is necessary to design the Enterprise Architecture based on TOGAF ADM in the form of IT utilization in business function of Human Resources, Education and Research. By implementing Enterprise Architecture based on TOGAF ADM it is expected that all business processes in the Human Resources, Education and Research Section can be optimized with the help of IT in order to increase the speed and effectiveness of health service support so as to increase patient satisfaction.

Enterprise architecture is one method that can be used to align business strategy and IT strategy designed in accordance with business needs. Enterprise architecture is also one way of doing IT governance and development. TOGAF ADM is a framework that can be used as a reference in designing enterprise architecture. In this study, TOGAF ADM is used because it has a detailed and flexible properties that can be developed for further research. In TOGAF ADM there are 9 phases. However, the phase used in this study covers only 7 phases of Preliminary phase, Architecture Vision, Business Architecture, Information System Architecture, Technology Architecture, Opportunities and Solution, and Migration Planning.

The output of this research is in the form of IT Roadmap and blueprint which can be used as reference of Al Ihsan General Hospital in developing information technology on business function of Human Resources, Education and Research. Hopefully, with the design of Enterprise

Architecture in the Human Resources, Education and Research Section in Al Ihsan Hospital can help Al Ihsan Hospital to create competitive advantage through IT.

Keywords: Enterprise Architecture, Hospitals, TOGAF ADM, Human Resources, Education and Research.

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