

## **ABSTRACT**

# **ANALYSIS AND DESIGN OF ENTERPRISE ARCHITECTURE BASED xTOGAF ADM IN HOSPITAL: A CASE STUDY IN THE DIVISION FINANCIAL, ACCOUNTING, AND INTERNAL CONTROL UNIT OF RSUD AL-IHSAN**

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*RSUD Al Ihsan is a regional general hospital located in Dayeuhkolot, Bandung, West Java. In the business process of Finance and Hospital Accounting is supported by the financial arrangements, recording and reporting of financial transactions, up to the staffing and administration of patients. Financial administration and accounting are supervised and audited by the Internal Control Unit (SPI). The management of internal financial, accounting, committee and internal control activities at Al Ihsan Hospital is still slow, this is because the Hospital Management Information System (SIMRS) has not been integrated to all parts of Al Ihsan Hospital. Therefore, in the designing Enterprise Architecture based on TOGAF ADM in the form of utilization of information technology that goes both ways to facilitate the function of financial management, accounting, committee and internal supervision in order to increase the speed and effectiveness of health service so that it can increase patient's satisfaction. By applying Enterprise Architecture TOGAF ADM it is expected that all business processes in the Finance and Accounting Sections, Committees, and Internal Control Units can be optimized with the help of IT.*

*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 of its detailed and flexible nature so that it can be developed for further research. In the TOGAF ADM framework there are 9 phases. However, the phases used in this study cover only 7 phases: Preliminary phase, Architecture Vision phase, Business Architecture phase, Information System Architecture phase, Phase Technology Architecture, Opportunities and Solution phase, and Migration Planning phase.*

*The output of this research is blueprint Business Architecture, Data, Applications, and Technology and Roadmap IT Development that can be used as a reference company to develop a running business. It is expected that with the design of Enterprise Architecture (EA) in the Finance and Accounting Section, Committee and Internal Control Unit (SPI) in RSUD Al-Ihsan can help Al-Ihsan Hospital to create competitive advantage through IT. Another benefit gained is to overcome some of the problems that occurred in RSUD Al-Ihsan. This research is only up to the phase of Migration Planning in TOGAF ADM, it is expected that further research can be continued to the next phases based on TOGAF ADM.*

*Keywords: Enterprise Architecture, hospital, TOGAF ADM, Finance. Total kata: 408.*