ABSTRACT

DESIGNING ENTERPRISE ARCHITECTURE FOR MEDICAL SUPPORT SERVICES AT SARININGSIH HOSPITAL USING THE TOGAF FRAMEWORK

By

QINTHARA AYU RAIHAN
1202184033

The hospital is a public health service institution which is followed by the development of health science, technological advances, and the socio-economic life of the community, which must remain quality in order to produce improvements in health services. One of the operational activities at Sariningsih Hospital is medical support services. Medical support services include pharmacy, laboratory, and radiology. This activity requires integrated systems and applications to avoid misinformation and data duplication, so that it can make it easier for patients or staff to carry out medical support services, so the Enterprise Architecture design will be carried out.

Enterprise Architecture is a method used to design a development plan for an agency or institution in running its business, so that it can be integrated with one another in order to achieve the desired goals. In designing Enterprise Architecture, a framework is needed as a work guide to make it easier to design the alignment between information technology and business goals. The framework used is TOGAF.

TOGAF adapts TOGAF ADM which is a method for architecture development, designed for system and organizational requirements. There are seven phases of TOGAF ADM used in designing Enterprise Architecture, namely, Preliminary Phase, Architecture Vision, Business Architecture, Information System Architecture, Technology Architecture, Opportunities and Solutions, and Migration Planning. This research will produce a blueprint and an IT Roadmap.

Keyword: *Sariningsih Hospital, hospital, medical support, enterprise architecture, TOGAF ADM.*