

ABSTRACT

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Santo Yusup Hospital is a class C hospital in Bandung, which has been established since 1932. Santo Yusup Hospital is managed by the association of "The Society of Santo Boromeus" which always continues to build the image and improve the quality of service in the field of health. In achieving the vision of Santo Yusup Hospital is to be the public hospital of choice of the people of east Bandung required alignment between business and existing technology. So that existing information technology can support the business purpose Hospital, especially in operational activities such as Inpatient care.

Inpatient care service required the exchange of data quickly and accurately so as to provide accuracy of service to patients. However, in the implementation there are still some obstacles such as the length of the process of collecting medical files when the patient comes home and the duplication of information between physical information and electronic information. One solution to organize and manage the application of Information Technology is by designing Enterprise Arhchitecture. Enterprise Arhchitecture is a logical, comprehensive, and holistic approach to design and implement system and system components so that it can be well integrated to support company goals

In designing Enterprise Arhchitecture a framework is needed as a guide in designing alignment between information technology and business objectives. The framework used in this research is TOGAF ADM. TOGAF ADM is a method of designing Enterprise Arhchitecture in the form of a tested and repeatable process. There are seven TOGAF ADM phases used in designing Enterprise Arhchitecture at Santo Yusup Hospital, preliminary phase, architeccture vision, business arhchitecture, architecure information system, technology arhchitecture, oppurtunities and solutions, and migration planning. In this research will be discussed the condition of Santo Yusup Hospital's current arhchitecture and also the target which will produce IT Roadmap which can be used as the hospital guide in developing IT infrastructure.

Keywords : Santo Yusup Hospital, *enterprise architecture*, TOGAF ADM, *IT Roadmap*, *Blueprint*.