

Abstract

Now, Information System and Information Technology become a very valuable asset for most organization. It has become a part of vision, mission, and goals of an organization that integrated each other so that the attachment can't be denied anymore. Because of the importance of IT and IS role in organization, needed to make a good design and plan so that IT and IS bring good effect and not harm the organization.

Information System and Information Technology based on enterprises architecture will make the use of technology within organization providing the organization's ability to compete or commonly referred to as competitive advantage. Zachman framework is one of enterprise architecture framework that can defining the function of IS and IT design full of a variety subjects and perspectives.

IS and IT have also entered health atmosphere. Good IT and IS strategic plan that based on enterprise architecture modelling will support the automation of operational processes and also decision support system for top level management. Strategic plan of Electronic Health Management System (e-HMS) is the one of strategic health information system planning that aims to make the integration of data and information to be more easily and increase the accuracy of health information and data for decision support system. This system consist of multiple sub-system which the main component is Electronic Health Record (e-HR). Electronic Health Record (e-HR) is sub-system that aims to facilitate reporting of health data and information.

Keywords: *Strategic Information System Planning, enterprise architecture, Zachman Framework, Electronic Health Management System (e-HMS), Electronic Health Record (e-HR).*