

ABSTRACT

In the era of industry 4.0, information technology plays an important role in managing hospital operations, including through the Hospital Management Information System (SIMRS). However, at Al Islam Hospital Bandung, the application of technology in the Emergency Room (IGD) still faces various obstacles such as duplication of patient data and lack of integration of medical record reporting, which hinders the effectiveness of medical record management. To overcome this problem, the application of enterprise architecture (EA) is needed to align business strategy with information technology, so that the main objectives of the hospital can be achieved optimally. To overcome this problem, the application of enterprise architecture (EA) is needed which can identify the gap between current conditions and the targets that the hospital wants to achieve. EA allows identification of problems in business architecture, information system architecture, and technology architecture using the TOGAF ADM framework, so that the right solution can be applied to align business strategy with the information technology used. With the application of EA, it is hoped that the hospital's business strategy and services in the ER can be more optimal and in line with the application of information technology through the blueprint architecture and IT Roadmap.

Keywords — Hospital (RS), Hospital Management Information System (SIMRS), Emergency Installation (IGD). Enterprise Architecture (EA), TOGAF ADM