

## ABSTRACT

Bhakti Wira Tamtama Hospital Semarang is a level III house 04.06.02 or equivalent to a Ministry of Health C hospital. Skep/283.04/X/1993 since October 30, 1993, this hospital provides health services to service patients consisting of TNI (AD, AL, AU), civil servants, Askes, Jamsostek and their families as well as serving the general public or the private sector. In achieving the visit of the Bhakti Wira Tamtama Hospital, which is to become the general hospital of choice for the Semarang people, it requires alignment between business and existing technology. So that existing information technology can support the hospital's business goals, especially in its operational activities such as inpatient and outpatient services.

This service requires fast and accurate data exchange so that it can provide the best service for patients who come to Bhakti Wira Tamtama Hospital. However, in the field there are still some obstacles such as the process of collecting data when patients go home and the duplication between physical information and electronic information. The digitization process at Bhakti Wira Tamtama Hospital has been carried out, but there are still some obstacles, including integration between applications, human error, and many more. In this case, the best solution that can be done at this time is by designing Enterprise Architecture.

In the process of designing Enterprise Architecture, a framework is needed that is used as a guide in aligning information technology and business goals from Bhakti Wira Tamtama Hospital. In this research, the framework used is TOGAF ADM. TOGAF ADM itself has seven phases including the initial phase, architectural vision, business architecture, information systems architecture, technology architecture, opportunities and solutions, and migration planning. In this study, we will build an SIMRS application that functions to integrate several existing applications as well as applications that are planned to improve the business processes of Bhakti Wira Tamtama Hospital.

Keywords: *Enterprise Architecture*, Bhakti Wira Tamtama Hospital, TOGAF ADM, SIMRS.