

## ABSTRACT

### **Designing an Electronic Based Government System Architecture in the Regional Government of West Java Province using TOGAF ADM (West Java Provincial Health Office Case Study)**

The West Java Provincial Health Office is an agency responsible for regional government affairs in the health sector based on the principles of autonomy, deconcentration and co-administration at the provincial level. For the Health Office, gaps in health services must be addressed by encouraging the acceleration of the application of an electronic-based government system to increase the convenience of the community in obtaining health services. One of the efforts to implement an electronic-based government system for health functions is to design an electronic-based government system architecture, this is the initial stage in implementing an electronic-based government system. In this study, an architectural analysis and design was carried out on the function of disease prevention and control of the West Java Provincial Health Office, which will produce an output in the form of an enterprise architecture design which is expected to assist in accelerating SPBE. In carrying out architectural design on the function of preventing and controlling this disease, following the rules of good business process mapping and the rules of BPMN. In this study, will use the TOGAF ADM framework which has several phases including the preliminary phase, business architecture, information system architecture consisting of data architecture and application architecture, and technology architecture. Later, each phase that has been made and implemented will produce a number of artifacts which are expected to help and become a guideline for the West Java Provincial Health Office to carry out technology development and accelerate the application of SPBE.

Keywords: *Design Architecture, TOGAF ADM*