

ABSTRACT

Information technology (IT) has become one of the main strategies in supporting companies or agencies for the sustainability of existing processes to achieve its objectives. Similarly, government agencies need to be aligned between business strategy with IT strategy that suits the needs of agencies. Government agencies that became the object of this research is the Dinas Tanaman Pangan dan Hortikultura Provinsi Jawa Barat, that has the main duty to carry out local government affairs in the field of agricultural crops. In running its business processes, agencies have not been able to optimize and utilize IT to support the sustainability of its business processes. It depends on the ineffective and efficient service of food crops and horticulture. Problems that are happening is there are no standard or guidance in running a business process.

In answering these questions, the need for a way of managing business dealings can be aligned with the IT Strategy. The method used is the design of an enterprise architecture (EA) with the help of the framework TOGAF (Open Group Architectural Framework). One of the TOGAF components is the TOGAF ADM (Architectural Development Method), being the methodology and as the subject of the EA design on the agency. EA's design phases in TOGAF ADM start from the Preliminary phase to the migration planning phase. The design of architecture using TOGAF ADM will be tailored to the conditions and business needs of agencies.

The outputs of EA design in Distan Provinsi Jawa Barat agencies are artifacts on TOGAF ADM components, and the roadmap architecture as a standard and IT development. With the design of the architecture, the agency can have an operating system and decision making in the application of information systems and technology that will be used in a certain time according to agency needs.

Keywords: enterprise architecture, TOGAF ADM, government, agriculture, information technology.