

ABSTRACT

Information Technology is a technology used to process quality information. Examples of technological advances include: significant technological knowledge, development of more sophisticated software and hardware, innovations in information exchange methods, and integration of new technologies in society and government. However, the implementation of IT in the livestock aspect still has many obstacles, such as human resources are not qualified in making livestock IT, the financial and maintenance factors needed are also large, and the limited application of appropriate technology because the main focus of farmers is managing cages and livestock needs. In the problems that occur in this organization, blueprint planning is needed as a reference in utilizing information technology into government systems, especially for the integration process of business services and information technology services. In planning, supporting artifacts are needed in the implementation of comprehensive and efficient information technology. Enterprise Architecture (EA) utilizes the Open Group Architecture Framework (TOGAF) as a combination and use of customized information systems through the Architecture Development Method (ADM) method. With this combination, it is the right solution to implement enterprise architecture to ensure existing business services and Information Technology with integrated objectives. This research produces the output of enterprise architecture blueprint and model framework that connects business architecture, data domain, application domain, and technology architecture of the Fisheries and Livestock Office of West Bandung Regency.

Keywords: *Information Technology, livestock department, enterprise architecture, TOGAF ADM, blueprint*