ABSTRACT

Livestock farming is one of the strategic sectors in the economy and serves as one of the household livelihoods in Indonesia. Among the factors contributing to the success and productivity of livestock businesses is animal health. The Department of Fisheries and Livestock, as one of the local agencies with authority in the field of agriculture, particularly livestock health services, plays a vital role in the implementation of regional autonomy. In the provision of these services, technology is increasingly being utilized to support existing business activities. However, its application is not yet optimal due to the presence of manual processes, such as documentation, recording, reporting of activities, and a lack of integrated systems. A strategic plan is needed to develop a comprehensive information system that can optimally support integrated animal health services. In the design process, the use of a framework is necessary to facilitate the design and development of the system. The selection of the TOGAF ADM 9.2 framework was made due to its high flexibility and accessibility. The outcome of this enterprise architecture design research includes a presentation of the current conditions of the existing business, data, application, and technology architecture at the Department of Fisheries and Livestock, as well as the target architecture that can be used in the development of an information system, taking into consideration business activities, and enhancing the quality of animal health services at the Department of Fisheries and Livestock.

Keywords: Enterprise Architecture, Animal Health Services, TOGAF ADM 9.2