

ABSTRACT

North Bandung Cattle Breeders Cooperative (KPSBU) is a cooperative in West Java that operates in the livestock sector. KPSBU's main business is milk production. Currently, KPSBU members are cattle breeders spread across West Bandung Regency. The results of KPSBU cow's milk production from year to year look stable and have a tendency to increase every year. KPSBU still uses a system that is not yet integrated and most of them still use Microsoft Access. This causes many business activities in KPSBU to still rely on the use of paper and manual data input processes. In addition, administrative processes with farmers who are members of KPSBU are still being carried out manually. The reason is because a large number of KPSBU farmers do not have adequate access to the internet network. The recording system which is still manual and not integrated makes it difficult for KPSBU to anticipate supply and demand needs. To improve the management of cow's milk production, a centralized system is needed that can manage livestock activities from milk production to products to consumers. This research is designed to develop Enterprise Architecture in the livestock sector at KPSBU. This research was built using the TOGAF ADM 9.2 framework, with a research approach through observation, interviews, and literature studies. In order to be able to capture the existing conditions, the development of the KPSBU Enterprise Architecture begins with the preliminary phase, architecture vision, business architecture, data architecture, application architecture, technology architecture, opportunities and solutions as well as migration planning. The results of this study are an overview of the existing and targeting conditions of business architecture, data architecture, application architecture, and technology architecture which can be used as a reference in the development of information system projects to support the improvement of the milk production business at the Lembang KPSBU.

Keywords - Enterprise Architecture, Livestock, Milk Production, TOGAF ADM