ABSTRACT

DESIGN AND BUILD CLOUD COMPUTING ARCHITECTURE ON E-KSU (KOPERASI SERBA USAHA) AS AN ONLINE COOPERATIVE INFORMATION SYSTEM AT CV. LINGGAR ARTA MEDIA NUSANTARA (LAMN)

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CV. Linggar Arta Media Nusantara (LAMN) are intend to have an active role in giving their service to Koperasi especially Koperasi Serba Usaha (KSU) which has important roles on economic activity in many field such as production, consumption, credit, service and the growth of other field by creating an application which can help them to manage all activity in Koperasi Serba Usaha. Unfortunately, CV. Linggar Arta Media Nusantara (LAMN) has a difficulty on its realization, because of the lack of application interest. They assume that it has an expensive operational cost and lack of infrastructure to build and run the applications. Therefore, CV.LAMN wants to build architecture cloud computing on e-SKU (Koperasi Serba Usaha - elektronik).

In building an architecture cloud computing, the methodology used in this research is the analysis methodology descriptive. Analysis methodology deskriptive is a method which is describing facts or present incidents, accurately. This methodology has two stages, first, data collection stages by doing some observations, interview and literature study, and the last stages is software development which adopting waterfall method. The analysis and design which is used is structural anaylisis.

The final result of the research is an architecture cloud computing design which is modeled by an e-KSU application. It is expected to disseminate information system to Koperasi, creating a similarity on koperasi internal system which has similar function and task, easy looking and attractive, and easy doing functionality. The system has been made according to the needs of Koperasi.

***Keywords** : cooperative, e-ksu, architecture, cloud computing and system*