

ABSTRACT

Demand for the barecore in Indonesia is increased along with advances of time. The population of sengon wood in Indonesia is very high than the other countries. The growing need for dwelling is become a demand to create a light raw materials and easy to apply of house. Barecore is one of the solutions of it. In addition can be used as building material, it can also be used as material for furniture. The high populations of sengon wood get people vying to turn it into goods that have a value in order to. One of them is barecore. Barecore's manufacturer increased due to the high demand. Domestic needs and export become a market commodity of barecore. The employees in the barecore's company is not just a few. But requires many employees according to production capacity.

PT Albasia Nusa Kaya is one of company that cultivate wood become barecore slab. This company located in Garut, West Java. Information technology is not yet applied on the operational in this company. All the business process is done manually. This process has many flaws. One of them is uncertainty information in every function in the company. The supervision can't run optimally between each function when the system runs manually. Coordination between each function is required to support production activities. Therefore, it takes an information system in which there are supporting applications for business processes at PT Albasia Nusa Karya company. In addition, to support the running of information systems also needed adjustment of hardware technology that can support the running of the information system.

Based on the problems above, PT Albasia Nusa Karya requires designing systems that are integrated with each other and control system to support automated processes. In this case the design of Enterprise Architecture can align the business functions, information system function and company goals. The design of Enterprise Architecture is using TOGAF ADM which is the best practice framework. This design will determine the architecture in the Preliminary phase, Architecture Vision, Business Architecture, Data Architecture, Application Architecture and Technology Architecture. The designing is until the Technology Architecture because the needs of new companies and as soon as possible require design documents to build information systems on the company.

Keywords: *Enterprise Architecture, TOGAF framework, PT Albasia Nusa Karya, Barecore*