

## ***ABSTRACT***

*PT. Albasia Nusa Karya is a new company engaged in wood processing. The product created by the company is barcore. In making barcore the main ingredient used is Albasia wood obtained from suppliers. Not only in Indonesia, PT. Albasia Nusa Karya has several overseas customers including China and Germany. However, as consumer interest in barcore products increases, PT. Albasia Nusa Karya has a demand to provide the best service to all its customers. The services needed by consumers consist of fast service, availability of goods and quality that is always maintained. To offset market demand, PT. Albasia Nusa Karya requires information systems that support business processes so that new and old consumers can continue to trust in the services provided. The business processes carried out are still likely to be manual, so the solution needed is the creation of an enterprise architecture system to find out which parts are needed in addition to technology.*

*Enterprise architecture design at PT. Albasia Nusa Karya will use the TOGAF ADM framework which functions to align business strategy with the use of information technology. In the TOGAF ADM framework consists of several phases in determining architecture, including Preliminary, Architecture Vision, Business Architecture, Data Architecture, Application Architecture, Technology Architecture, Opportunities and Solutions, and Migration Planning. Enterprise Architecture. The purpose of these phases is to determine the requirements of business processes, data, applications and technology, so that the company will know the shortcomings that must be addressed in carrying out business processes. The design of enterprise architecture using the TOGAF ADM framework will be carried out based on the conditions and business needs of PT. Albasia Nusa Karya.*

*The results obtained from the design of enterprise architecture at PT. Albasia Nusa Karya in the form of artifacts in the TOGAF ADM and IT architecture roadmap for the development of information technology. The architecture designed can help PT. Albasia Nusa Karya especially in the warehousing unit in providing guidelines for the implementation of business processes and the use of*

*information technology to improve its services.*

*The proposal that can overcome the problems mentioned above is by implementing an ERP SD application that is capable of managing documents, reporting and integrating warehouse functions with other functions.*

*Keywords: Enterprise Architecture, TOGAF ADM, framework, barcode, PT. Albasia Nusa Karya*