

ABSTRACT

DESIGN OF ENTERPRISE ARCHITECTURE FOR INTEGRATED SYSTEM IN ECOTOURISM AND AGROFORESTRY PERUM PERHUTANI USING TOGAF ADM METHOD

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The need for information technology (IT) has increased. Information technology not only has an important role in human life but also has an important role in the organization or company. The role of information technology in companies is very important because it can help all business activities to achieve their objectives. However, not all companies make maximum use of information technology and get advantage. The development of information technology must be in line with business strategies in organization or company. To align information technology and business strategies, a method called Enterprise Architecture is needed. The application of Enterprise Architecture aims to define business architecture, information system, and technology that are able to align business strategies with the development of information technology.

Perum Perhutani is a State-Owned Enterprise (SOEs) engaged in forest management which has a strategic role supporting the environmental, social cultural and economic

sustainability systems of the national forestry community. Referring to the BUMN Minister's Regulation Number: PER-03/MBU/02/2018 concerning the Guidelines for Preparation of Information Management of BUMN, so Perum Perhutani is required to develop information technology that is in line with the company's business strategy and develop information technology so that optimal as expected. However, currently the application that has been developed by Perum Perhutani has not been integrated with other applications. This causes the dissemination of information has not been done in real time. So that to achieve income each business activity is still not achieved.

Based on current conditions, design of enterprise architecture for integrated systems is needed and can be the right solution so that the company's business strategy can be aligned with the information technology. The enterprise architecture design focuses on ecotourism and agroforestry, which are the two main businesses of Perum Perhutani. To design an enterprise architecture, a framework is needed so that it can facilitate the design process. There are several frameworks that are already known and used by companies. In this design, the author uses The Open Group Architecture Framework (TOGAF) and uses the TOGAF Architecture Development Method (ADM) method with 7 phases, that is Preliminary phase, architecture vision, business architecture, information systems architecture, opportunities and solutions architecture, and migration planning. The output of this design is a blueprint and IT Roadmap that the company can use as a guideline for designing IT companies. The IT Roadmap that will be created includes the timeline for integrated system implementation including the creation website for agroforestry and ecotourism applications and the development of CRM and POTP for 5 years.

Keywords : Enterprise Architecture Design, TOGAF, Ecotourism, TOGAF ADM, Agroforestry, Blueprint, IT Roadmap.