

ABSTRACT

Currently, energy has become a basic necessity for every individual, household, and industry. One of the increasingly popular forms of energy is renewable energy, particularly solar energy, which is utilized for various purposes. Since Indonesia is located on the equator, the amount of sunlight received is abundant. This potential makes solar energy a highly promising renewable energy source for development in Indonesia. Therefore, it is essential to optimize its utilization. One of the state-owned enterprises (BUMN) in Indonesia that operates in the field of renewable energy is PT Surya Energi Indotama (SEI). PT SEI is very open to the advancement of information technology. However, the current use of information technology in the Project Management and Supply Chain Management Division has not been fully maximized and effective. The system has not been fully integrated across business units or divisions, leading to frequent miscommunication in managing tasks. There are still manual activities such as managing goods in the warehouse due to the absence of a system to monitor incoming or outgoing goods, and the storage monitoring is still done manually. This causes inefficiency and results in a high potential for errors in goods management. Thus, the advancement of information technology encourages the company to have strategic planning in managing an integrated information technology system. Therefore, the design of Enterprise Architecture is necessary, and the researcher uses the TOGAF ADM 9.2 method as a guide in designing the Enterprise Architecture for PT SEI. The TOGAF ADM method consists of Preliminary Phase, Architecture Vision, Business Architecture, Information System Architecture, Technology Architecture, Opportunities and Solution, and Migration Planning.

Keywords : Enterprise Architecture, TOGAF ADM 9.2, Project Management and Supply Chain Management Division.