

ABSTRACT

Environmental Impact Analysis (AMDAL) is a large and important study to make decisions about an approved business or activity in the environment that is required for the decision making process regarding the conduct of a business or activity.

PT Karsa Buana Lestari is a company engaged in the field of environmental consultancy analysis and environmental laboratories supported by professional human resources and experts in their fields. To support these activities, the Laboratory Section has the role to measure and test data to support the process of activities carried out at PT Karsa Buana Lestari. Laboratory Division has a weakness that does not meet good quality, in this case, the inaccuracy of data recording, storage, and recording of data that is not well integrated between each division. In this case, a solution is needed for improvements in the Laboratory by using the Enterprise Architecture design.

In this research, it produces Corporate Architecture. Corporate Architecture is a tool used to realize the alignment of information technology with the business of an organization. The study uses the TOGAF ADM framework with the Company Architecture modeling language, ArchiMate. Archimate can store job applications from business process analysis, application architecture and data, and technology. The results of this study are in the form of an IT Roadmap to provide an evaluation of the implementation of information technology development at PT Karsa Buana Lestari.

Keyword: Enterprise Architecture, TOGAF ADM, IT Roadmap, Archimate