

ABSTRACT

Information technology has an important role for a company in running its business. Organizations' business processes and needs are developing rapidly, but these developments are sometimes not matched by the ability of information technology to support them. To overcome this gap, adaptive information technology is needed. This research uses PT. Titis Sampurna Inspection as the object of research. Currently, part of PT. Titis Sampurna Inspection's information technology infrastructure is outdated and not yet adaptive. Based on these conditions, an adaptive information technology infrastructure was designed using the PPDIOO (Prepare, Plan, Design, Implement, Operate, Optimize) method which is limited to the design stage. This research produces an adaptive information technology infrastructure design by utilizing some of the existing devices to add features and performance. The design consists of replacing, integrating, and adding both capacity and services to existing devices in the company's information technology infrastructure, as well as recommendations for information technology asset management for future evaluation.

Keywords— Information technology, PPDIOO, Adaptive, Infrastructure