

ABSTRAK

PT XYZ is a company engaged in telecommunications with the company's main focus on manufacturing, system integrator and digital processes. The project currently being handled focuses on system integrators, the project is about the installation of procurement and installation of OSP FO Node-B cables in the Palembang and Riau Darat areas. In the implementation of the project, it is known that there are several problems that can cause cost increases, time delays and lack of worker productivity. This makes the company need an in-depth analysis of the problems that arise at the project implementation stage. The Lean Project Management (LPM) approach can assist companies in identifying waste and estimating solutions that can be implemented to resolve waste identified in the project. The company also needs an assessment method regarding which waste is the top priority to be addressed first. The method that can be used and provide a detailed assessment of the waste problems that occur is Waste Failure Mode and Effect Analysis (W-FMEA). The final results of the application of Lean Project Management (LPM) and Waste Failure Mode and Effect Analysis (W-FMEA) in this project include eight non-value-added activities identified with waste types including overproduction, waiting, inappropriate processing and unnecessary motion presented in the waste response. Cost Impact Estimation obtained from two non-value-added activities identified resulted in an increase in costs of IDR 38,382,035. In the Waste Failure Mode and Effect Analysis table, it is found that poor weather conditions have a high category with a WPN value of 560 with a high category and CPN of 650 with the same category.

Keywords: Lean Project Management, Feeder, Projects, Waste, Waste Failure Mode and Effects Analysis