

ABSTRACT

This research has reviewed case studies on the procurement and installation project of OSP-FO NODE-B Bangka Belitung with a duration of work for 150 working days. Based on a summary report on the implementation of similar projects in other regions, there were at least 71% of projects delayed which caused in schedule changes.. This requires several projects to amend the agreement to extend the time. This extension occurs because during the execution of project work there are several things that happen that are unexpected. Therefore, to overcome this problem, it is necessary to plan related to risk management by designing a risk register

Making a risk register as an effort to manage risk in this research is done by qualitative risk analysis. The first step is identifying risks and then prioritizing identified risks. The process of prioritizing risk is carried out using a probability and impact matrix (severity matrix) by considering expert judgment. Based on the results of a qualitative risk analysis, there are 29 identified risks, consisting of 5 risks in the planning phase, 5 risks in the licensing phase, 6 risks in the material procurement phase, 7 risks in the installation phase, and 6 risks in the acceptance test phase.

Keyword : risk register, probability and impact matrix (severity matrix),.