

Identifikasifaktor-faktor risiko kinerja engineering yang berpengaruh terhadap kinerja waktu pada proyek EPC: studi kasus: PT. X =
Identification of risk factors in engineering performance affecting schedule performance in the execution of EPC projects: case study X Company

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Abstrak

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Proyek dengan jenis kontrak EPC memiliki risiko yang sangat variatif dan sering kali menimbulkan dampak negatif terhadap kontraktor EPC. Proses engineering merupakan fase yang sangat penting dari kehidupan proyek EPC karena akan mempengaruhi kelangsungan fase-fase setelahnya. Dalam proses engineering, keterlambatan merupakan salah satu masalah yang paling kerap terjadi. Berangkat dari masalah tersebut, perlu dilakukan suatu kajian mengenai risiko kinerja engineering yang berpengaruh terhadap kinerja waktu. Penelitian ini dilakukan dengan melakukan survey di salah satu kontraktor EPC terkemuka di Indonesia. Selanjutnya, dilakukan analisis penentuan peringkat risiko berbasis AHP. Setelah ditemukan risiko-risiko dominan, dilakukan penelitian lebih lanjut mengenai respon terhadap risiko-risiko tersebut.

ABSTRACT

Project with EPC contract comes with various risks and often cause negative impact to EPC contractor. Engineering process is a very important phase in the life of the EPC life itself, because it is the root of the phases that follows. In engineering process, delay is one of the critical problems that often causes loss to the contractor. In view of these facts, it was thought necessary to conduct a research in engineering performance factors that affect project schedule performance. This research was carried out by performing a survey in one of reputable EPC contractor in Indonesia. Based on the survey data, an analysis utilizing AHP was conducted to obtain the dominant risks. And lastly, there was a further research about the risk responses to the dominant risks.