

# Pengelolaan risiko pada pelaksanaan pengadaan proyek EPC studi kasus PT X yang berpengaruh terhadap kinerja waktu dan biaya = Risk management in the procurement implementation at EPC project case studies PT X that effect to time and cost performance

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## Abstrak

[Dalam pembangunan proyek EPC dimana memiliki tingkat risikonya cukup tinggi tidak terlepas dari keterlambatan waktu dan pembengkakan biaya proyek. Permasalahan yang terjadi pada PT.X dimana waktu proyek terlambat dan terjadi pembengkakan biaya. Oleh karena itu analisa berbasis risiko akan dilakukan pada proses pengadaan jasa, penelitian ini diharapkan dapat menghasilkan strategi pengelolaan risiko yang baik sehingga kinerja waktu dan biaya pada proyek EPC dapat dioptimalkan. Hasil penelitian menunjukkan faktor risiko yang berpengaruh terhadap kinerja waktu dan biaya paket pekerjaan subkontraktor tidak jelas, data spesifikasi & teknikal yang berubah - ubah, kompleksitas pekerjaan pada proyek, waktu proses tender terlalu singkat sehingga penawaran harga bersifat masih kasar, waktu proses tender formulir isian terlalu banyak sehingga memakan waktu, Bentuk kontrak kurang menarik bagi subkontraktor, kesalahan dalam strategi dan perencanaan paket pengadaan yang tidak memperhitungkan analisis pasar, subkontraktor kurang memahami vendor yang harus di tuju untuk pengadaan material, subkontraktor tidak akurat dalam estimasi biaya proyek, tingginya penawaran harga subkontraktor yang jauh di atas OE. Kata Kunci : Pengadaan Jasa, Proyek EPC, Faktor Risiko, Subkontraktor, Kinerja Waktu Dan Biaya;In the EPC project development which has a fairly high degree of risk can not be separated from the delay time and cost overruns of the project.Problems that occur in PT.X which time the project is late and cost overruns occur. Therefore, the analysis will be performed on a risk-based procurement process, this research is expected to generate good risk management strategies so that the performance time and cost of the EPC project can be optimized. The results showed the risk factors that affect the performance of the time and cost subcontractor work packages is not clear, the data specifications and technical change oftenly, the complexity of the work on the project, the tendering process time is too short so the bidding prices are still rough, tender form is too much so it takes a lot of time, contract type less attractive to subcontractors, errors in strategy and planning procurement package that does not account for market analysis, the subcontractor vendors to be less understanding in the heading for the procurement of materials, subcontractors are not accurate in the project cost estimate , the high bid price that is far above subcontractor OE, In the EPC project development which has a fairly high degree of risk can not be separated from the delay time and cost overruns of the project.Problems that occur in PT.X which time the project is late and cost overruns occur. Therefore, the analysis will be performed on a risk-based procurement process, this research is expected to generate good risk management strategies so that the performance time and cost of the EPC project can be optimized. The results showed the risk factors that affect the performance of the time and cost subcontractor work packages is not clear, the data specifications and technical change oftenly, the complexity of the work on the project, the tendering process time is too short so the bidding prices are still rough, tender form is too much so it takes a lot of time, contract type less attractive to subcontractors, errors in strategy and planning procurement package that does not account for market analysis, the subcontractor vendors to be less

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