

Study of Factors Causing Delay of Toll Road Construction Project (Case Study: Project X)

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Abstract

The construction of toll road in project X, located in Purwakarta district, West Java, experienced construction delay. In this case, all parties involved in project development must pay attention to various factors that have the potential to cause delays in project construction. Therefore, the purpose of this study is to identify the factors that can cause delays in the toll road construction project in project X. The method used was a quantitative approach by analyzing factors using the IBM Statistics 25 application, the source of this research used primary data by collecting data using questionnaire from stakeholders related to the toll road construction project in project X. The results revealed two main factors that cause delays, namely “the coordination system factor, document, planning & scheduling” factor with a total diversity value of the IBM statistic 25 application of 56.3 %, then “the readiness/resource preparation” factor with a total diversity value of from IBM Statistics 25 application by 11.43 %.

Keywords

Delay, IBM statistics 25, main factors, project, toll road

Biographies

Arief Satria Maulana graduated from Civil Engineering Binus University in 2021.

Dr. Oki Setyandito is currently the Head of Department of Civil Engineering Binus University. His main research topic is related to coastal engineering, as he graduated his Doctoral Degree from Universitas Gadjah Mada in 2012 with the topic of “Slope Dynamic of Sand Beach towards Waves”. He has written several journals related to groundwater quality, breakwater stability analysis and wave analysis.

Putri Arumsari joined the Civil Engineering Department of Binus University in November 2015 as a lecturer. She graduated her Bachelor Degree in Civil Engineering from Binus University in 2011 and graduated her Master Degree in Infrastructure Management from Universitas Indonesia in 2015. She currently doing her Doctoral Degree in Construction Management in Universitas Tarumanagara. Her main interest in research is about building maintenance and have written several proceedings and journals on the topic.