RISK ANALYSIS AND RESPONSE TO THE PROJECT DEVELOPMENT DISTRICT LAMONGAN DOCKYARD

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Abstract

Lamongan north coast regional growth is rapidly increasing Lamongan encourage the districts to provide ship repair services. Current Lamongan district has ship repair services, but can not fully operational because the number of shipyards for repairs is very limited capacity and is not comparable to the shipyard so that ship often have to queue to make improvements. Construction of the shipyard is one solution to address these problems. This is why the Government District Lamongan build additional facilities of ship repair. Construction of the shipyard is highly dependent that has a lot of risk quite a lot because the construction of the shipyard is highly dependent on weather conditions in the area surrounding waters and land acquisition Lamongan Coast. Therefore we need a proper risk management in accordance with the problem on every project. The final task is aimed at identifying risk shipyard project implementation analysis of significant risk and determine what kind of response to significant risk.

The methodology used in this research is survey method. The series begins with the identification of risk analysis through the study of literature, after it performed a risk analysis
conducted by distributing questionnaires to the respondents who had been selected earlier in this shipbuilding project. Risk analysis is done by estimating the largest possible risks that will occur and the resulting impact on costs and also time. The last step sets the response on the risk of shipyard construction project with interview techniques to the competent authorities.

Based on the results of the analysis note that the variables are significant risks with respect to time there are two kinds of variables namely the risk of equipment damage response in which work can be done is to control the periodic servicing and calibration of equipment that has matured during validation, and where the response time estimation errors that can be done using historical analysis of previous and re-employment checks, while the variables are significant risks to cost, there are three kinds of material price changes where the response is a risk that can be done using the backup cost is earmarked for unforeseen events, the second is where the work equipment damage response is a risk that can be done periodically maintenance, and the latter is time estimation error, where the response of the risk it took was using the previous analysis of historical data.

_Keyword_ : Risk analysis, Shipyard construction, North coast region Lamongan, Risk response