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**FACTORS THAT INFLUENCE THE RISK OF BUILDING
CONSTRUCTION PROJECTS IN BATAM CITY**

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Abstract

Construction work is a job that contains a lot of risk, risk analysis in a project development becomes important to do. By carrying out risk management, it is expected that the building infrastructure development will realize the project objectives that are cost-effective, timely, and quality-appropriate. Risk-factor analysis at the implementation stage of this building construction project is descriptive research that aims to be able to find out the dominant factors that cause risk construction project.

The research was conducted in Batam City and data obtained through questionnaire surveys with the respondents studied were contractors who had been involved in the construction of building construction. The collected data was then analyzed using descriptive analysis. To find out the accuracy of the data, validity and reliability were tested. To find out the dominant factors that can lead to the occurrence of risk in a construction project, a mean analysis and factor analysis are carried out.

The dominant factors that can cause risk at the stage of building construction are the design error factor with a mean value of 4.3000 and a very high percentage of occurrence, unclear factor detail image with a mean of 4.1667 and a high percentage of occurrence, and lack of construction knowledge with value mean 4.1667 and the percentage of occurrence is high

Keywords:*Risk factor; Construction; Civil Engineering*