ANALYSIS OF CHANGE ORDER CAUSES IN CONSTRUCTION PROJECTS IN BATAM CITY

NPM : 1411039
VANESA YULIANDARI

Abstract

Contract Change Order (CCO) are changes to the initial contract value that is common in construction work. Almost every construction project in Indonesia experiences a change order including in Batam City.

As for the purpose of the research is to find out what factors most often result in change order jobs where in this study is specifically for areas in Batam City. The research will be carried out using a factor analysis method which aims to reduce the number of origin variables that are numerous in number into a number of new variables that are fewer than the original variables, and the new variable is called a latent factor or construct or variable formed by distributing questionnaires by retrieving data a sample of 60 people to several owners, consultants and contractors engaged in construction in the city of Batam. The data obtained will then be processed using the help of SPSS software.

Based on the results of data processing it can be concluded that the cause of Change Order that most often occurs in Batam City can be categorized into 8 Factor Groups. Group factor 1 is Administration, group factor 2 is Environmental and Weather Conditions, group factor 3 is Human Resources, group factor 4 is Technical and Field, group factor 5 is Implementation Time, group factor 6 is Force Major, group factor 7 is Job Acceleration, and last group factor 8 is Planning and Design.

Keywords : Change Order (CO), Factor, Contractor, Consultant, Owner, Construction