

## Effect of Effective Components on Port's Performance Using Regression Model

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Received Date: October 21, 2017

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Accepted Date: May 20, 2018

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### Abstract

The purpose of this study was to investigate the effect of effective factors on port's performance. Survey method, field study and interview with managers and active experts in the port area were used to collect data. In order to conduct the research, first, the factors affecting the performance of ports were identified and then, by examining the correlation between these variables, the main components for entering the data into the regression model were determined. The results showed that the variables; type and number of input vessels, average hours (presence, waiting and service), investment and port facilities had the greatest impact on port performance. Therefore, port officials need to focus on these variables, so that they can improve the performance of ports.

Keywords: *Performance, Port, Determine the main components, Regression model.*

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