INVESTIGATION AND IMPROVEMENT OF MAINTENANCE STORAGE LOCATION BY USING SIMULATION METHOD

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"I declared that this thesis is the result of my own work except the ideas and summaries which I have clarified their sources. The thesis has not been accepted for any degree and is not concurrently submitted in candidature of any degree."

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ABSTRACT

The purpose of this project is to relocate the Recoiling Line maintenance storage to more strategic location. Factors affecting the relocation decision such as safety, movement of maintenance crew and space reduction has been discussed. One of the consideration is the storage location should be located at the safe area which is far from the crane movement and high voltage area. It is also considered the maintenance crew movement in term of dispatching the tools or spare parts in order to reduce their time during maintenance job. The new maintenance storage location will be compared to the new storage layout location by using CATIA software which involved the time, cost, space and safety. Then, the result will be analyzed and some recommendation will be proposed to the company in order to get the best location for the new storage area.

TABLE OF CONTENTS