CENTRE OF STUDIES FOR QUANTITY SURVEYING
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INTEGRATION OF SUPPLY CHAIN MANAGEMENT (SCM) IN INDUSTRIALISED BUILDING SYSTEM (IBS)

Final Project submitted in partial fulfillment
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Bachelor of Quantity Surveying (Honours)

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AUTHOR'S DECLARATION

I declare that the work in this thesis as carried out following the regulations of Universiti Teknologi MARA. It is original and is the result of my work unless otherwise indicated or acknowledged as referenced work. This thesis has not submitted to any other academic institution or non-academic institution for any degree or qualification.

I, with this, acknowledge that I have been supplied with the Academic Rules and Regulations for Undergraduates, Universiti Teknologi MARA, regulating the conduct of my study and research.

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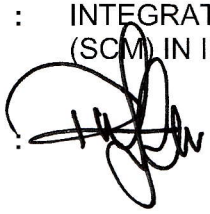
Signature of Student	:	
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ABSTRACT

In the world of the construction industry, it has been understood that it involves multiple parties and organizations in handling a project which has been criticized as a fragmented sector. These have resulted in creating a network of determination and commitment to work with one another in a properly ethical manner. Thus, resulting in this need proper action and the right practices to be adapted in order to undertake work in an environment where all unwanted can be hinder. This is because handling and adapting the right supply chain practices in handling Industrialised Building System (IBS) is fragile, and thus limited uptake of IBS will be one of the negative impacts. Therefore, the aim of this study is to to establish Supply Chain Management (SCM) strategies for the successful implementation of the Industrialised Building System (IBS). This research has proven that there are still challenges that occurs while implementing SCM in IBS projects. This research is produced based on an extensive literature review as a basis to identify the challenges occur and develop strategies for implementing SCM in IBS projects. The data was collected by undertaking a semi-structured interview with the supplier of IBS as the respondents. It is expected that the findings will elicit several strategies for the primary key parties in a construction party to enhance strategy in SCM in IBS projects. The outcomes of this study will hopefully improve the performance of work by providing a proper strategy to integrate SCM in IBS.

Keywords: Supply Chain Management (SCM), Industrialised Building System (IBS), practices, challenges, strategies

TABLE OF CONTENTS

CHAPTER 1

INTRODUCTION

1.1 INTRODUCTION

Supply chain management (SCM) in Industrialized Building System (IBS) need commitments from all parties involved in construction projects due to undertaking proper actions and practices (Fauzi et al., 2017). SCM is a concept which originates with a starting point, which is the initial duration from the manufacturing industry up to control operation and logistics. SCM can be known and understandable as an organization of networks with one another directly involved in all construction phases starting from the ideology of adopting IBS up until the complete construction of the project (Kamar et al., 2011 & Christopher et al., 1992).

Meanwhile, IBS involves relationships between variables with different roles and background embedded relationships. It is also a process comprising several stages, including the need to being innovative, planning, and implementation of ideas. Stated by Kamarul Anuar (2011), IBS shall require a much closer supply chain control of materials allocated and recourse management in order to maintain the lasting continuity of proper delivery of construction components to the site since the nature of IBS itself requires a close control and integration alongside with cooperation among stakeholders involved.

Another reason why SCM can be practiced would be the numerous advantages and efforts being pull by the government. The implementation and adoption of IBS as of today are still below the expected figure (Hadi, 2017). Aust (2011) also recommended that IBS supply chains need to manage in a correct manner that allows the contractors to have full control of the process to improve the positive effects of the product.