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**SUSTAINABILITY IN WHOLE LIFE CYCLE
ENHANCEMENT OF PRIVATE FINANCE
INITIATIVE PROJECT**

Final Project submitted in partial fulfilment
of the requirement for the award of
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ABSTRACT

The purpose of this research is to provide scenarios for the incorporation of sustainable waste minimization strategies that were determined during a research project that investigated the important factors of sustainability to enhance the whole life cycle in the Private Finance Initiative (PFI) project. The research included a review of sustainable development and construction practices throughout the world and the collection of additional information from some of the construction firms. In order to carry out this final year project, the quantitative method is being chosen as the data collection method. This is because it is more suitable and easier to be used for this kind of study. Therefore, the data is obtained by using a questionnaire. All the methodology used is correspondent with the objectives of this study in order to get the correct result. It also will be explained by using a suitable diagram and table in order to provide a better understanding of the method used. Basically, the study is based on the problem statement. It can be found through some reading or literature review of the topic to make sure the problem is clearly identified towards this issue. Research limitations/implications. The research was limited to collecting data from the parties that involve in the PFI project. The chosen respondent was selected among the Klang Valley area. Findings. The results determined the reason for sustainable implementation in PFI projects., the measures taken and the important factors to ensure sustainability implementation in PFI projects.

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CHAPTER 1

INTRODUCTION

1.1 OVERVIEW OF THE TITLE

A private finance initiative (PFI) is a type of procurement and a process of providing financial resources that are introduced for major construction investment in which private firms are contracted to complete and manage public projects. The private company, instead of the government, manage the up-front expenses under a private financing initiative. It is also a procurement method that uses private investment to deliver infrastructure and/or services in the public sector in accordance with a specification defined by the public sector.

To return, in the form of lease rental fees, the sector from the public must pay to the sector from the private in proportion to the value of the services provided (Khaderi & Aziz, 2010). The project will then be leased to the public and annual payments are made to the private company by the government authority. These contracts are usually awarded to building companies and may last for 30 years or longer based on the size of the projects. PFIs are also referred to as public-private partnerships in the United States.

This type of procurement was initially introduced on 1992 in Britain. After 1997 the procurement is widely used and became more widespread among the construction industry key players. Nevertheless, the PFI arrangements are not similar in terms of the implementation process from country to country (Khaderi & Aziz, 2010). This type of procurement was used to finance major projects in the construction for public