CHAPTER 1

INTRODUCTION

1.1 RESEARCH BACKGROUND

The idea of sustainability or sustainability development has grown rapidly into many levels of society over the last decade. Brundtland Commission specifies sustainability development as "development that meets the needs of the present without compromising the ability of future generations to meet their own needs" (WCED, 1987). Recently, the growth in demand for the manufacturing products with the sustainability conditions are keep increasing. Most of the companies in Malaysia must extremely zealous to compete each other in producing a sustainable product without neglecting their financial side. In addition, our Malaysian industry are experiencing an utterly rapid improvement in the engineering phase of bringing forth a good quality goods. However, the assessment of the sustainability requirements in the environmental management system in our country are not comprehensively covers the elements needed in the green practices.

Views from the Bursa Malaysia is clearly justified that they are strongly committed to support the sustainability practices in our Malaysia industries. They are
really devoted in creating the green environment practices in the industries all over our country. Therefore, all of the registered companies that have been patronage under the Bursa Malaysia must have the elements of the sustainability practices in their working area comprehensively.

In order to fulfil this current requirements, the application of the Green Project Management (GPM) P5 Standard is the most desirable tool that will act as our guideline in encouraging the sustainability assessment in the environmental management system for Malaysian industry. Hence, an exhaustive sustainability report surely can be prepared by the firms itself as required in the Bursa Malaysia.

1.2 PROBLEM STATEMENT

Equally important in this topic is the sustainability assessment in the environmental management system is the utmost important issue since it will measured the fulfilment of the criterions needed in the integration of the sustainability endeavours. The convergences of this process will then followed by the preparation of the sustainability reports. However, the existed sustainability practices and reports are only concern on the environment, social and financial.

Thence, to overcome the dearth in the reports, the Green Project Management (GPM) P5 Standard is taken to be as a guideline in order to measure the level of the sustainability practices extensively in the management system in the manufacturing field including the process and the product in the environmental of manufacturing industry itself. This effectual measurement tool will guides the management system on how to
gain a sustainability environmental waste management especially in our Malaysia context of manufacturing industry.

1.3 PROJECT OBJECTIVES

The main objective regarding this proposed project is to appraise the sustainability awareness level in Malaysian manufacturing industry and measuring the level of sustainability practices that have been implemented by the consumers. Referring to the explicit target in our purposed project are as follows:

1. To investigate the level of sustainability compliance using GPM P5 standard.
2. To quantify sustainability parameters related to the environmental management system for Malaysian industry.
3. To contrive a new sustainability assessment tool that will be able to compute the level of the sustainability compliances.

1.4 PROJECT SCOPE

The scope of this project emphasize on the Sustainability in Environmental Management System regarding to our Malaysian industry. It will be focussing on the environmental management of manufacturing in the context of Malaysian industry. In addition, this study will help in providing the correct integration guidelines when implementing the sustainability practices by hence able to demonstrate the level of the sustainability implementation. Thus, it will surely give the industry such a positive implication to be practiced.