1.1 Background of Study

E-Learning is a system representing Biology E-learning system for SPM students of SMK Sentul Convent. Nowadays, there are a lot of online education systems in Malaysia. The main purpose of those systems is to provide a better and effective way to help students to get learning materials and information.

In this project, a web-based learning management system also known as e-learning management system will be developed for the secondary school. Purpose of this system is to enable teachers and students access the study materials at anytime and anywhere.
1.2 **Problem Statement**

i. Current teaching method more individualistic (a teachers teaching method) and student find boring and less interactive.

ii. Student spends a lot on buying study materials and extra classes like tuitions.

iii. There is time limitation for the student to communicate with teacher.

1.3 **Objective**

Objectives of Biology E-Learning system are:

i. To design and construct a database that supports the Biology E-Learning System.

ii. To gather and analyze the requirements for the e-learning system and provide a medium for discussion and communication between student and student or student and teacher.

iii. To develop a web-based e-learning Biology system for secondary school.

1.4 **Scope**

The Biology E-Learning System project consists of three modules(SPM student module, Teacher module and administrator module) which are only for the SPM science stream students of SMK Sentul Convent whom taking biology subject.

Targeted user of this project output is admin, teacher and student of form five. Student from selected secondary school initially selected in order to improve the overall Biology e-learning system. Adobe Dreamweaver CS5 will be use as main tool to develop this Biology e-learning system for SMK Sentul Convent.
1.5 Thesis Organization

There are 6 chapters included in this thesis.

i. Chapter 1

This chapter is to introduce to the readers about the project that will be developed later. This chapter contains introduction, problem statement, objective, and scope and thesis organization.

ii. Chapter 2

This chapter explains about the reviews for the chosen project. This chapter is divided into two sub reviews that require students to study to get complete information about the project.

iii. Chapter 3

In this chapter the approach and framework for the project, method, technique or approach that will be and will be used while designing and implementing the project will be included in the content. Justification and of method on approach used and hardware and software necessary is stated here.

iv. Chapter 4

This chapter acts to document all processes that involve in the development of the project. Designed project development is explained here. The content of this project depends on the system. It contains information of database and tools used. Data in database is shown in this chapter.