

Universiti Teknologi MARA

**MOBILE INFORMATION SYSTEM FOR
INDOOR GARDENING**

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ABSTRACT

Nowadays the number of people using the mobile phones increases, so there is a need to develop variety of applications to ease users to find information on whatever topic of their interest. A Mobile Information System Application for Indoor Gardening is a mobile application that provides information to users on how to do indoor gardening. Currently, the gardening information are usually found in the website and other sources. The information about the indoor gardening was rarely found in the mobile application. The purpose of this project is to design and develop an information system about indoor gardening in the mobile application. The system was developed using Android Studio. It was prepared in Bahasa Malaysia Language to accommodate users who are not familiar with other languages. The Waterfall System Lifecycle Model was referred as the base for this application development process. The information about the indoor gardening includes information in video and Internet links. The information system also perform user testing evaluation as to test the usability of the application for the future development. Many users gave positive feedback and this application has the potential to include more features such as other gardening techniques, more interesting images, videos and interactive features.

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CHAPTER 1

INTRODUCTION

1.1 Introduction



Figure 1.1 Gardening
(Source: Marie-Iannotti, 2018)

Gardening is an activity or training to fertilize, manage and breed the plants. It is a tradition or method that grow and cultivating the plants as a common ways of the horticulture.

There are a few types of gardening method that can be practiced by the citizen. As we know these few types of gardening activities such as indoor gardening, container gardening, organic gardening, hydroponic gardening, waters gardening and many more. (UF/IFAS Extension, 2018)

In gardening, there are few sources that we can learn such as from people's experience, websites and printed sources. Firstly, before starting the gardening activities, people will find out the suitable place, choose suitable soils to grow the plants, find a suitable pots and lastly they would water the plants. Gardening is strongly encouraged to all groups and not just the farmers. Among the users that can do the gardening activities are children, adolescents, parents and beginners.