Universiti Teknologi MARA

Mobile Application on Malay Medicinal Plants Based on Information Crowdsourcing

NORHIDAYAH BT SAUBIRAN

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ABSTRACT

Mobile Application on Malay Medicinal Plants Based on Information Crowdsourcing is an application that provides information on Malay medicinal plants. The information in this application were obtain from the crowd of people including researcher, Malay villagers, traditional medical practitioner and general public who willing to share their knowledge and information on Malay medicinal plants. This project focuses on the use of Malay medicinal plants that that contains nutrients which is good for human health. There are a lot of Malay medicinal plants founded by the researcher that can help to treat human illnesses. This project involves crowdsourcing. Crowdsourcing is the best way for the people to get information from the researchers and crowd people. This project is related to crowdsourcing information systems. Crowdsourcing information systems are information systems that produce informational products or services for internal or external customers by utilize the potential of crowd people. This project promotes knowledge sharing and awareness among researchers, Malay villagers, traditional medical practitioners and local herbs entrepreneur and public towards Malay medicinal plants. This project applies the concept of Wikipedia whereby the information is obtained from the crowd of people. It gives the opportunity to the researchers, Malay villagers, traditional medical practitioners, local herbs entrepreneurs and general public to share their knowledge and findings on Malay medicinal plants on the internet easily. This project also focused on motivates the public that there are a lot of Malay medicinal plants can be used as health care. This project is developed in Malay language as it provides the information on Malay medicinal plants and the target user is Malaysia citizen. For the future enhancement, this project will be develop in English and wider target user from other countries.

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CHAPTER 1

INTRODUCTION

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In almost every country in the world, the use of the internet among people had shown a very rapid growth during the last decade (Quarshie, 2012). This is because people nowadays are more likely to access the web by using mobile devices than personal computer. Information sharing by the mobile application will bring the very good impact. The information and knowledge on Malay medicinal plants should be prioritized because Malay medicinal plants are important for health care and are able to treat various human diseases. Researchers, Malay villagers, traditional medical practitioners and general public are willing to share their knowledge and findings on Malay medicinal plants on the internet. Crowdsourcing is the best way for the people to get information from the researchers and crowd people. According to Geiger (2012), crowdsourcing information systems are information systems that produce informational products or services for internal or external customers by utilize the potential of crowd people.

1.1 Project Background

Crowdsourcing

The strength of this project is it used the concept of crowdsourcing whereby the information of medicinal plants in the application is provided by the crowd of people. Crowdsourcing refers to a distributed problem-solving model where a crowd of undefined size is involves to solve a complex problem through an open call (Chatzimilioudis, 2012). There are variety fields of research on crowdsourcing such as management, psychology, computer science and many other fields that have discovered crowdsourcing as a useful approach. (Geiger, 2012).