

UNIVERSITI TEKNOLOGI MARA

**WECARE4U: DONATION MOBILE
APPLICATION FOR CHARITY**

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STUDENT DECLARATION

I certify that this thesis and the project to which it refers is the product of my own work and that any idea or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.

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ABSTRACT

Since the advancement used of the smartphone, there are various mobile charity programs and new donation apps designed specifically for the community to channel aid to those in need. The unemployment crisis has changed more families into poverty life, as the poverty rate in society has increased rapidly, with half of the families living in complete poverty. The objective of the project is to identify the requirement, design, and develop the WeCare4U donation mobile application for charity. WeCare4u is a donation mobile application using an android platform for a charity organization that wants to organize a charity program and the public users who are interested to contribute by making some donations through the mobile application. The methodological approach utilized in this project was the Mobile Application Development Life Cycle (MADLC). It only covered the period from the beginning of the identification process to the end of the testing process. WeCare4U mobile application offered several features and functions such as donation through a mobile application, push notification to notify every successful transaction, and locating a home shelter nearby using location-based services. Besides, WeCare4U allows the charity organization to create a charity program or fundraising using the mobile application. WeCare4U allows the charity organization to view the details for every donation received. The testing result for WeCare4U mobile application involving 8 users shows a good average with a 72 score based on System Usability Scale (SUS). Future recommendations are the mobile application should include user donation history for the user's references in the future. The benefit for mobile designers and developers is increasing the awareness about poverty issues in this country and providing a donation platform to help the people who are in financial problems, especially during the Covid-19 pandemic.

Keywords: Mobile Application Development Life Cycle (MADLC), Donation mobile application, Android platform, Push notification, Location-based-services (LBS).

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CHAPTER 1

INTRODUCTION

1.1 Project Background

The advancement of smartphones is now widely used, and many applications are made for the use and convenience of the community. There are also various mobile charity programs and new donation apps designed specifically for the community to channel aid to those in need. This new type of mobile donation app turns into a simple and easy activity without interrupting the user's daily schedule, and this allows users to continue to make donations anytime and anywhere. This donation mobile application is an important and interesting app, especially in this pandemic Covid-19. Since the movement control order has been implemented in Malaysia in March 2020, the community is no longer allowed to move freely to make donations to help those in need to prevent the spread of the covid-19 virus.

The COVID-19 outbreak has left many poor communities in many parts of the world facing challenges in socio-economic and livelihood impacts and immediately made the world poverty crisis increase day by day (Buheji et al.,2020). Malaysia is no exception, which is also facing rising poverty to alarming levels because most business sectors are not allowed to operate as usual or at full capacity which causes the industry to suffer losses. To avoid the largest losses, the industry had to reduce employment opportunities that would harm low-income urban families. Thus, the Covid-19 outbreak also made many people lose their homes.

The use of the donation mobile app is an appropriate charity platform in all aspects. This is because, with the help of mobile applications, people can do online transactions easily. in addition, it can also increase the efficiency of public contributions, and make charity an activity that can be done by anyone at any time. Therefore, with the availability of this mobile donation application, it can solve