SMART HAJJ

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ABSTRACT

Mobile applications (also known as mobile apps) are programs developed for mobile devices such as GPS, mobile games and including e-learning. Smart Hajj project was developed to facilitate pilgrims, using mobile apps technology. By using visual concepts, users can learn and understand the nature of the pilgrimage clearer and details. This is an interactive guide allowing users to walk through the process of the Hajj to develop a better understanding of the obligations, locations and Hajj activities. This project would enhance the learning process of pilgrims.

Keywords: multimedia, mobile apps, interactive multimedia

1. INTRODUCTION

The "Smart Haji: Visualisasi Manasik Haji" is a mobile application for learning the atmosphere of hajj with visualization and as a kit for pilgrim. This project believed that manasik hajj should be develop in form of mobile application in order to extinguish the difficulty of pilgrims to comprehend the pillars and obligatory of pilgrimage which is distributed to different areas and cannot be perform within an hour. The fact that pilgrimage pillars and obligatory is heavily about the ritual places (Macca), the pilgrims from Malaysia need to study and learn the geographical of the place without being at the place. So, the visualization of manasik haji obviously could fulfil that requirement.

The "Smart Haji: Visualisasi Manasik Haji" application is designed with several map in main menu that represent places of pilgrimage such as Haram Mosque and Mount Arafat. This map is arranged from left to right according to pilgrimage steps. This map is interactive which means user can click on the map and in the map scene, user can see the rules and condition of pilgrimage by the specific places. In the same time, user could use refer the checklist to make sure that the rules and conditions from the specific places are followed orderly.

2. OBJECTIVE

i.   To create a mobile application for Hajj learning with visualization.

ii.   To develop a mobile application that could enhance the learning process of Hajj

iii.   To create an interactive guidance of Hajj.

3. NOVELTY & INVENTIVENESS

To facilitate pilgrims, the "Smart Haji: Visualisasi Manasik Haji" project was developed using mobile application technology. The purpose of this project is to develop a mobile application that could enhance the learning process of the pilgrims about the pilgrimage. By using visual concepts, users can learn and understand the nature of the pilgrimage more clearly with more details. Moreover, the application is interactive, thus establishing a bilateral relationship between the user and the application. this app can also help the haj mutawif to visualize the atmosphere of the pilgrimage. In addition, this application can be a teaching aid during pilgrimage courses conducted by pilgrim agencies.

4. PRACTICALITY & USEFULLNESS

Visualization is a concept of delivering message through image, symbol or diagram. In other words, visualization is the technique for creating images, diagrams or animation to communicate a message. Visualization through imagery has been an effective way to communicate both abstract and concrete ideas since the dawn of humanity.

This project believed that the creation of "Smart Haji: Visualisasi Manasik Haji" mobile application that use visualization as the main element would enhance the learning process of pilgrims. In other hand, it is helpful to travel agencies to comprehend the pilgrims about haj with ease.

5. CONCLUSION

Toward the millennium era, technology is rapidly growth as human need to use it in the good way. Not only adults, the teen and kids are using technology as well. In addition, the teen and kids are more advantage in using technology especially mobile gadget. So, as a muslim, we should use this advance technology in a way that would benefit the religion of Islam.

The "Smart Haji: Visualisasi Manasik Haji" mobile application project is a project that would give benefit to muslim and also Islam especially in hajj field. It is particularly important to pilgrimage to comprehend the hajj as clear as possible.