



Maos Qur'an: Android Device Technology for Primary School Students to Khataman Juz 'Amma Online

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Abstract

The globalization in the IT world is very influential on the behavior of someone who is looking for identity in everyday life one is in the area of AL QUR'AN which is now very rarely people interested to make AL QUR'AN reading material, rote or finish. Collaboration between IT with AL QUR'AN at the moment is mostly done as a breakthrough to make perfect beings. Use of this application is based on the fact that when primary school at this time like to play android device, then the researchers tried to make an Maos AL QUR'AN application that could be used by primary school learn Al Quran start read, memorize and finish with easy and fun way. The purpose of the research was to design a software and make desktop applications on a Smartphone could be a medium of learning the AL QUR'AN applications based on android is offline to facilitate all activities in reading, memorizing and finishing Juz 'Amma. Juz 'Amma is juz last thirty juz of AL-QUR'AN. The main characteristic is the short surah, with beautiful language charming, touching hearts or rebuke accompanied by rational arguments capable of convincing reasoning that has not been churned up by ambiguous way of thinking or subjectivity view. Speech Recognition Technology (Automatic Speech Recognition or Computer Speech Recognition), could convert spoken words into text. The term "voice recognition" was used to refer to the recognition system had to be trained for a particular speaker, as a special case for the introduction of most desktop software.

Keywords: *Speech Recognition Technology, primary school, android, Juz 'Amma*

1. Introduction

Today's technological revolution, particularly computers and the Internet has changed the way and think in a practical and efficient in our society in particular and the world in general. We are all faced with the transition gate threshold-based technology, where the speed of delivery and capture the information to be very important in order to advance education. In a dynamic society or era before the era of dynamic communities that we expect to happen in the coming years, it is important we do the preparatory steps optimally. Why these preparations are not starting from right now? Presentation of the Koran in this context the need for a media that can be fun, especially in reading and understanding the vocabulary contained in the Koran. Finish and memorize in this case cannot be separated because they are very closely related at all in terms of meaning and significance.

The use of this application is based on the fact that when primary school students recently like to play android device, then the researchers tried to make a Maos Al Qur'an application that can be used by primary school students to learn Koran starting from reading, memorizing and finishing with easy and fun way. In this case, the researchers wanted to give more contributions to the society in terms of this android application form that can be used in a way to access that will be used by primary school students and make it easier to learn the Koran to finish

In software development, the authors used the method that was an object-oriented software development strategy that organized the software as a collection of object that contained data and operations that apply to it, or a way how the system software object built through a systematic approach. Circuits of object-oriented methods consisted of a series of activities the object-oriented analysis, object oriented design, object-oriented programming, and object-oriented testing. (Rosa, 82: 2011). Stages of object-oriented methods, namely:

- Identification of the class of objects, from the interview of the user selects the relevant application system, if two or more classes of objects showing the same information, the most descriptive selected
- Identify relationships between classes of objects, relationships related to verb
- Identification of the main attributes, after the object is created relationships between classes, attributes the main object is identified by an adjective, describing an important attribute in advance, and details added later
- Define the relationship inheritance create a hierarchy of classes, inheritance is used to generalize the general aspects of the existing class to super class (bottom up) or from an existing class to sub-class (top down) or by building a class hierarchy where the sub-class inheritance property of the super class.

Process data from multiple sources were used for the process of Maos Qur'an application so that this data could be used all time and was useful for primary school students so that they were happy in utilizing applications.

2. Discussion and Conclusion

This research concluded that elementary school students who used android application in learning the Koran could understand easier than conventional learning. They assumed that learning the Koran like playing Pokemon games so that learning model of an application like this should be applied to the user in order to facilitate a more elementary school students the passion for reading and memorizing short surah of Koran particularly.

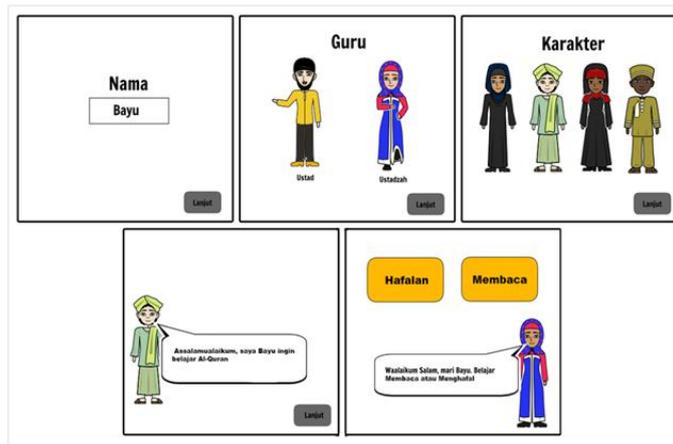
The process began by taking a surah by recording (speech recognition) and describing avatar addressed to the user to be known and understood before they undertook these activities so easy to remember what was selected and who explained from reading of the surah.

The next step was to create a decision tree for the state of few words, after the decision was made, it would proceed with pruning (discard things that are not necessary) of the decision tree.

The last process was to conduct experiments of several sound stages, pronunciation, writing (true-false) that could be ensured to clarify the substance of which will be needed when inserted to Maos Qur'an application.

If the process is completed, this model must be checked first before being put into play on the app store or android support to the application.

The display avatars in applications as follows:





This study is to make software for application Maos Qur'an so that it can help to accelerate primary school students prefer to study the Koran, which can easily be applied to our daily life. Applications that are presented in this Maos Qur'an are limited that only the Juz 'Amma, so it is quite utilized for primary school students. It focuses only on memorization, recitation and finish. This application forms a game that can be used for educational Koran as a child's mindset approach that really concentrating on the Koran.

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