Learning Methodology for Early Child Education Education (Paud) in the Recognition of Legal Capitals based on Android

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Learning Methodology for Early Child Education Education (Paud) in the Recognition of Legal Capitals based on Android

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Abstract : School as a place to study require a medium of learning. Instructional media containing information about the lessons that will be used by teachers to convey a lesson. School early childhood education Al-Kindy Pekanbaru in terms of learning the letter hijaiyah still use conventional learning media. But with the conventional media is not very attractive to use, so the need for an exciting learning medium that can make children become interested in learning. The purpose of this study was to create a Media Learning Introduction Letter Hijaiyah multimedia form and benefit from the introduction of letters Hijaiyah Learning Media is a renewal of the medium of learning in School early childhood education Al-Kindy Pekanbaru. In this study the authors tried to make the learning application that contains the basic knowledge of letters hijaiyah dsertai with animation, audio and explanation how to read the letters inorder to complete the learning media letters hijaiyah more interactive.

Keywords: Interactive Learning, Hijaiyah, Mobile, Android (LTSA)

1. Introduction

Information is a very important need for organizations, educational institutions and government agencies and everywhere. Excellence in processing and getting information is the ease of access, data up date and data security. With the development of the era in the modern era and this technology, many students and Muslims or muslimat especially those who have used technology tools that are often called "smartphones / gadgets" at the present time. Therefore, I have one of the designs to make the introduction of Hijaiyah letters introduction application of fundamental basic Islam. In order for the development of this age, we can always be in the rules and rules of Islam that have been taught through the Qur'an and Hadith. In the world of education today many parents who provide an understanding of religion by way of telling and teaching with the conventional media of reading books and hijaiyah letters.

It is very ineffective and efficient in learning and teaching activities, which will be difficult for children / students to grasp the meaning that is being conveyed by teachers / parents. With the implementation of religious learning, especially the introduction of hijaiyah letters in Indonesian society since early, may be more easily acceptable especially applied at an early age (Santi I.T. and Sukadi., 2014). Android provides users with extensive access to use the necessary libraries and tools that can be used to build better applications. Android has a bunch of tools can be used to help developers in improving productivity when building applications that are created(Source: http://www.android.com/about/) (Purnapraweti, 2015).
2. Literature Review

Icon application is the icon used application learning letters hijaiyah on Android-based Smartphone as a button to use the application. This button must be touched the user to run the application "learn hijaiyah" and connect to teaching materials paud teacher in school Al-Kindy Pekanbaru this. The image icon is like in figure 1 below.

![Image Icon](image1.png)

**Figure 1. Image Icon**

System is a unity of component procedures that are related to each the other, work together in accordance with the rules applied so as to form a common goal, where in a system if there is one part that is not working or damaged then a goal can occur error results or output, the system is a collection of elements that mutually (Ardiansyah, 2013). While the system is an order or alignment consisting of a number of functional components (with units of functions or special tasks) that are interconnected and together aims to fulfill a process or work certain. In the main menu view shown in Figure 5.2 above the user will go to the front page menu which automatically appears itself as a link from the front view to the layout view 1 garden hijaiyah and layout 2 garden hijaiyah

![Hijaiyah apps on desktop](image2.png)

**Figure 2. Hijaiyah apps on desktop**
Testing Testing is done in two main stages, namely testing emulator and Smartphone. Emulator testing is done by testing the attributes and methods that exist in the classes built. Testing the handset is done by way of Acceptance Testing is to test whether the system developed in accordance with what is contained in the functional specifications of the system on the Smartphone. The following presented the results of the system implementation:

Emulator Testing and On Gadget Application Icon The results of the Application Icon we can see fit as in the picture below.

![Figure 3. Application Icon in Emulator](image)

Taman Hijaiyah In this layout each student paud can choose the form of hijaiyah letter one by one by shifting the screen and can also listen to the spelling of the sound that came out of this application, and students can also learn how to pronunciation and spelling of good and true according to religious teachings Islam.

![Figure 4. Layout of Taman Hijaiya](image)

Kebun Hijaiyah in above picture Hijaiyah Gardens, each pupil paud can see the shape of the letters of hijaiyah one by one and can also listen to the spelling of the sound that came out of this application, and students also can learn how to pronunciation and spelling is good and true according to the teachings of Islam.
3. Methodology

In this test using Android Smartphone with Android operating system version 5.0 (Lolipop). So that app can be used in Smartphone then application. "Learning Hijaiyah" must be installed on the Smartphone. Here's how to install this application hijaiyah letter. Copykan apk application file that has been created "Learning Hijaiyah Letters", then look at the Smartphone (see it on the main screen "My Files") in the picture below.

![Figure 5. Layout of Learning Hijaiyah](image)

4. Results and Suggestion

After the application is successfully installed then the application learn hijaiyah letters can be used and its use is very simple and easy to understand by the user in this case as the user is paud students and teachers paud who are in school paud Al-kindya Pekanbaru Riau.

4.1 Fungsionality Test

In this test, distributed questionnaires to (User) were 60 respondents, that is from the founder foundation element along with the structural and assembly of teachers and guardian of paud students and parents of paud students themselves. Results from the distribution of the test questionnaire functionality for learning application design letters hijaiyah based Android Smartphone is as follows: the questionnaire were designed in native language of the kindergarten students and found that. The use of the application of learning methods based on the letters hijaiyah android is easier for teachers to provide understanding of their students to be able to learn at home respectively.

4.2 Suggestion

See the reality faced by teachers and students paud as well as consideration of the quality of learning, and the need for development in subsequent research then in writing suggestions as follows: Teaching and learning process that still use props to switch to using Android-based applications because students today are no longer taboo with the rapid development of technology today, especially in the Android-based digital animation display. To the foundation and schools to be able to play an active role to motivate the educators in developing their skills and creativity to develop learning by using the Android-based Applications and learning methods as learning tools and facilities, and apply multimedia learning mechanisms and interactive learning methods in providing stimulus process learning to motivate learners to follow the learning process. Fuzzy Multi Criteria Decision Making by utilizing Software Tools Web Browser this system can we apply only as a tool for decision makers in determining the best result.
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