Online Application Development Exam Web Based

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Information can be viewed as an organizational resource. Because it must be managed properly\cite{1}. This study aims to solve the existing problems in the old system to develop a software which is able to solve problems quickly and accurately.

To identify existing problems, it can be analyzed based on several factors. These factors include how software is built is able to:

\begin{itemize}
  \item[a.] Featuring a matter which will be on the exam on your device;
  \item[b.] To examine the answers given client;
  \item[c.] Report the results or the value of any students who take the test or exam.
\end{itemize}

Rapid Application Development (RAD) is a life-cycle strategies aimed at providing development much faster and get results with better quality compared to the results achieved through the traditional cycle (McLeod, 2002). RAD is a combination of a variety of structured techniques with engineering prototyping and joint application development techniques to speed development of the system / application (Bentley, 2004). From the definitions RAD's concept, it can be seen that the application development using RAD method can be done in a relatively faster\cite{2}. The research method applied in this study include: Planning, Analysis, Design and Implementation System.

\begin{figure}[h]
\centering
\includegraphics[width=\textwidth]{rad_cycle.png}
\caption{RAD Sclus}
\end{figure}

The process is done in an application that is built include:

- Lecturer in charge to enter the question that will be done to the students in the database
- Students entering the system
- Students before menajab about the personal data necessary to fill the system first
- Students answer questions
- After the answer of the given problem will be processed in the system and get information value
- System or application will inform lecturers back to the data of students and the number of values in the can of the matter is in charge.

Application testing is which students can access the exam and can immediately get the value of a matter that is in charge, this is done to test whether the application is made is feasible to be used or not and should be free from error.

Testing method used is the method of testing Black Box, which may indicate that the functions of operational software, the correct output is generated from the input, the database may be accessed and used correctly.

The results of this study show that:
1. Applications built to facilitate the implementation of the exam with management saves time.
2. Able to save material needs such as paper and so forth
3. In terms of outcomes assessment of the number of students' scores can be known immediately without having to bother checking every student answer sheets.

REFERENCES
[2] https://piyaneo.wordpress.com/2014/05/10/rapid-application-development-rad/