

Development Of Mobile Learning-Based Bilingual Training Materials with The Use of Book Creators for Sidi Catechization Teachers

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Abstract

Information and communication technology (ICT) in the current era of globalization has become a fundamental need in supporting the effectiveness and quality of the educational process. ICT-based education is a means of interaction between management and education administration that can be utilized both by education and education personnel and students in improving the quality, productivity, effectiveness and access to formal and non-formal education. The purpose of this study is to find out how to develop mobile learning-based bilingual training materials with the use of book creators for sidi catechization teachers. This research was conducted at the Fellowship Protestant Church in North Tapanuli. Mobile Learning-Based Bilingual Training Material for Sidi Catechization Teachers developed in this study is Suitable for Use in teaching sidi catechization at the Fellowship Protestant Church in North Tapanuli with a qualification level of eligibility criteria of 85.58% with the caption "No Need to Revise." Researchers suggest that the Fellowship Protestant Church can plan and implement sidi catechization by utilizing Book Creator learning media.

Keywords: Performance, Balanced Scorecard

Preliminary

Information and communication technology (ICT) in the current era of globalization has become a fundamental need in supporting the effectiveness and quality of the educational process. ICT-based education is a means of interaction between management and education administration that can be utilized both by education and education personnel and students in improving the quality, productivity, effectiveness, and access to formal and non-formal education.

One of the definition m-learning by MobiLearn any sort of learning that happens when the learner is not at a fixed, predetermined location, or learning that happens when the learner

takes advantage of the learning opportunities offered by mobile technologies. In other words, by using mobile equipment, learners will be able to learn anytime and anywhere (ubiquitous learning) (Rohmah, 2018).

Bilingual teaching is a model of using two languages to deliver curriculum material with the aim of strengthening students' competence in foreign languages. By using this model, there are two main things that students get, namely mastery of science and literacy in two languages. The advancement of technology and information developments requires teachers to be able to take advantage of technology-based and creative and innovative learning media (Husna, 2020).

One example of the use of technological sophistication is the creation of attractive

Learning media using book creators. Book creator is simple tool for creating an attractive book. Why it is said to be attractive because usually a book only displays writing and images, but with this tool we can not only display images and writing but can also insert audio or video (Ariawan & Wahyuni, 2021).

The Sidi Catechization Class is a class of youth and young men of the Church to obtain the instruction included in studying the Word of God (the Bible), the dogma (teachings) of the Church, Christian Ethics and Church history. The teaching staff consists of pastors, congregational teachers and elders (Aprilia & Rani, 2020).

In this study, researchers will produce mobile learning-based bilingual training materials with the use of book creators for sidi catechization teachers. In other words, the teaching staff of the sidi catechization class are equipped according to the demands of the situation and conditions of the sidi students.

Theoretical Framework

Research methods

The research method that researchers use is research and development methods (R&D) (Sugiyono, 2020). This Research and Development Method will be used by researchers to produce Mobile Learning-Based Bilingual Training Materials for Sidi Catechization Teachers. This research was conducted from March to December 2022.

Data collection techniques in this study are preliminary studies, literature studies, questionnaires and interviews. The analysis technique used uses descriptive analysis techniques and reflective analysis in examining the results of the preliminary study questionnaire and product validation questionnaire (Arikunto, 2018). This research was conducted at the Fellowship Protestant Church in North Tapanuli.

Results And Discussion

From the results of the expert validator's assessment of Mobile Learning-Based Bilingual Training Materials for Sidi Catechization Teachers, it was obtained that the Mobile Learning-Based Bilingual Training Materials for Sidi Catechization Teachers developed in this study are Suitable for Use in teaching sidi catechization at the Fellowship Protestant Church in North Tapanuli with a qualification level of eligibility criteria of 85.58% with the caption "No Need to Revise."

Development of Bilingual Training Materials

Training is a short-term educational process utilizing systematic and organized procedures, where non-managerial personnel learn technical abilities and knowledge for specific purposes. Training is part of education concerning the learning process to acquire and improve skills outside the applicable educational system, in a relatively short time and with methods that prioritize practice over theory. Training is a systematic process of changing the behavior of employees in a direction to improve the knowledge and skills of an employee or workforce in carrying out certain tasks or jobs (Widyasari et al., 2019).

Development is a long-term educational process utilizing systematic and organized procedures, by which managerial personnel study conceptual and theoretical knowledge for general purposes.

This training and development is to overcome the shortcomings of human resources at work caused by possible incompetence in the implementation of work, update the skills of employees in line with technological advances, reduce learning time for new employees to become competent in their work, help solve operational problems, meet personal development needs, prepare employees for promotion and at the same time trying to nurture them to be more productive.

In addition to those described above, there are several objectives of training and HR development in an organization, namely as follows (Aprilia & Rani, 2020):

1. To reduce the gap or difference in performance that exists between the desired result and what is achieved by the employee as a result of the employee's inability to meet the established standards. Training to improve performance is important for organizations that are experiencing a decline in productivity.
2. Related to technological developments, training and development make employees more productive and more adaptive. This will directly make the organization more adaptive as well so that it will increase the capabilities and benefits of the organization.
3. Increase employee commitment and perception of the organization.

An important element that must be considered in a training is the training material. Training materials can be made using various forms and media that together with forming training packages. This package can consist of all the materials from a trainer or organization to run the training. This package must include materials for trainers. It can be in the form of a guide or manual book from the trainer. This aims to help trainers run training courses and use other materials in packaging.

Mobile Learning

Agnes Kukulska-Hulme said that mobile learning is a learning model with a new concept, namely learning that can be accessed anywhere without hindering the mobility of students, in the sense that students must be able to engage in educational activities without the constraints of having to do it in a strictly restricted physical location. Mobile learning allows one to access learning through a lightweight portable device, which is sometimes quite small, easy to put in a pocket or hold in the hand. Common examples of mobile learning through mobile phones (mobile phones), smartphones, palmtops and handheld computers (Personal Digital Assistant or PDA); Tablet PCs, laptop computers, and personal media players. These devices can be carried with relative ease and are used for communication and collaboration, both for teaching and learning activities that are different from those made possible with other media.

Mobile Learning is expected to be an alternative learning model in reducing a static atmosphere and can create an effective, interesting and fun learning process. In addition to these things, other uses of using mobile learning can create variations in learning so as not to cause boredom to students. The benefits of mobile learning are expected to motivate students to learn independently, creatively, effectively and efficiently (Leuwol, 2018).

Anni Faridah and Titen Darlis Santi quoted the opinion of Gule and Ginting stated that mobile learning as an innovation in the field of learning allows the learning process to be more flexible, not always fixated on always in the classroom, laboratory, and teacher-oriented (teacher centered), but learning allows it to be done independently by students (student centered) by using the mobile owned by the student (Gule & Ginting, 2021).

Thus, mobile learning is an online learning model that is easily accessible and can increase students' interest in learning. The characteristics include the following:

1. Mobile device everywhere. The use of mobile learning as a learning model allows students and educators to access learning easily and quickly. For example, the ease and speed of submitting assignments and downloading learning materials anywhere (ubiquitous) and anytime.
2. Keeping up with developments. Mobile learning is growing rapidly and has specifications that are closely intertwined with work and daily life. Unique and up to date features that require its users to constantly innovate and discover their implications for work and life. Not only in formal education, mobile learning can also be used in conferences, seminars and workshops.
3. Mobile usability and user experience. Mobile learning in various fields provides its own uses and experiences for its users. For example, innovation in the world of medical and nursing training. Mobile learning allows health students to access hospital information systems quickly and for free (Muyaroah, 2022).
4. Accessibility and mobile learning. The computing system adopted by mobile learning helps its users to be present even if not physically. Car learning allows it to be accessed from various areas. Including by people (Faridah & Darlis, 2021).
5. Can be done independently. Mobile learning focuses on learners and learning (Widyasari et al., 2019).
6. Save costs. Not having to rent a learning building, mobile learning allows students to get online learning.
7. Expect the unexpected. Mobile learning opens up the possibility for each user to expect something unexpected (expect the unexpected)
8. Know mobile. Mobile learning provides access to information literacy for students and educators. The speed of getting information in various applications and other digital devices leads its users to quickly know all information even in seconds.
9. Tuning in to students' mobile learning need. Mobile learning also allows educators to tune students' mobile learning to their needs.
10. Student centered learning is not teacher centered.

Media Book Creator

The advancement of technology and information developments requires teachers to be able to take advantage of technology-based and creative and innovative learning media. One example of the use of technological sophistication is the creation of attractive learning media using book creators.

attractive because usually a book only displays writing and images, but with this tool we can not only display images and writing but can also insert audio or video.

Using this tool is very easy, first make sure our computer or laptop has Google Chrome installed first. Next navigate the URL to the google chrome address bar we go to the <https://app.bookcreator.com> address, download and install the application.

One of the digital-based teaching materials that are in accordance with the components that have been described and can be used as a learning resource for students is a digital book creator. Namely an application consisting of text, images, and sounds and published in digital form that can be read on a computer or other electronic devices such as androids, smartphones, or tablets (Makdis, 2020). Book creators are seen as in accordance with the cognitive abilities of students to improve their abilities, both in the ability to speak, write, listen and read (Puspitasari & Walujo, 2020).

There are several advantages of a digital book creator, namely that its creation is very simple. This makes it easier for teachers to make their own teaching materials for students during offline and face-to-face learning periods. In addition, digital book creator teaching materials are easily distributed by teachers to students (Puspitasari & Walujo, 2020). Through smartphones, teachers can send the digital teaching materials directly to students. Digital book creator teaching materials are very practical and easy to carry (Ruddamayanti, 2019). This makes it easier for students to learn physical education and sports anywhere. The various advantages of digital book creators need to be supported by teacher strategies in providing physical education and sports learning to students. Because learning activities require strategies so that the series of activities to be carried out can achieve the expected goals. A good learning strategy will affect the improvement of gross motor skills in students. Teachers are the spearhead and implementer of children's education in schools and as curriculum development (Anita & Damrah, 2020). So that the existence of digital book creators as teaching materials can encourage the skills and gross motor abilities of students which are supported by the use of good teacher strategies.

Sidi Catechization Teacher

Catechization comes from the Greek meaning lesson. The term is used by Christians to refer to the activity of accepting and acknowledging the Christian faith (Gule & Ginting, 2021).

Catechization education in which teaching according to the word catechism is not only emphasized in the sense of intellectuality but rather in a practical sense, that is, teaching or guiding a person so that he does what he is taught and also experiences meeting and fellowship with God properly and correctly. Sidi catechization education is also a process of guiding and teaching the faith that is believed, namely the Christian faith (Leuwol, 2018).

The catechization of the sidi gathers the catechization participants to use and guide the Christian teachings and beliefs stated by the Bible. The Bible is believed to be an authoritative source of Christian teachings to lead people to believe in God and His initiated work of salvation.

However, due to limited time to follow the sidi catechization, sometimes it makes young people not follow the sidi catechization, and some even go up the sidi even though they don't follow the sidi catechization, and some even go up the sidi because they want to get married. Based on the strategic role of sidi catechization, Sidi Catechization Teachers need to be equipped with increased ability to teach sidi catechization, especially generation Z who are

very familiar with the internet.

The advancement of technological and information developments requires Catechization teachers to be able to take advantage of technology-based and creative and innovative learning media. One example of the use of technological sophistication is the creation of attractive learning media using book creators. Book creator is a simple tool for creating an attractive book. Why is it said to be attractive because usually a book only displays writing and images, but with this tool we can not only display images and writing but can also insert audio or video.

Based on the description above, it is concluded that the product developed in this study is Mobile Learning-Based Bilingual Training Material for Sidi Catechization Teachers. This Handbook is expected to be used as a guide in the application and implementation of the Sidi Catechization in the Fellowship Protestant Church in North Tapanuli.

Conclusion

Based on the studies in this study that have been carried out by researchers, there are several things that can be concluded, namely:

1. E-Learning is an important advancement in the modern education system. Therefore, the methods and content of e-learning make new changes and challenges in technical and social terms.
2. Training is part of education concerning the learning process to acquire and improve skills outside the applicable educational system, in a relatively short time and with methods that prioritize practice over theory.
3. Mobile learning is a learning model with a new concept, namely learning that can be accessed anywhere without hindering the mobility of students, in the sense that students must be able to engage in educational activities without the constraints of having to do it in a strictly restricted physical location.
4. Book creator is a simple tool for creating an attractive book. Why is it said to be attractive because usually a book only displays writing and images, but with this tool we can not only display images and writing but can also insert audio or video.
5. The Sidi Catechization Class is a class of youth and young men of the Church to obtain the instruction included in studying the Word of God (the Bible), the dogma (teachings) of the Church, Christian Ethics and Church history. The teaching staff consists of pastors, congregational teachers and elders.
6. From the results of the expert validator's assessment of Mobile Learning-Based Bilingual Training Materials for Sidi Catechization Teachers, it was obtained that the Mobile Learning-Based Bilingual Training Materials for Sidi Catechization Teachers developed in this study are Suitable for Use in teaching sidi catechization at the Fellowship Protestant Church in North Tapanuli with a qualification level of eligibility criteria of 85.58% with the caption "No Need to Revise."
7. From the results of the assessment of respondents from the Sidi Catechization Teacher of the Fellowship Protestant Church in North Tapanuli, it was obtained that the Mobile Learning-Based Bilingual Training Material section for Sidi Catechization Teachers who obtained the lowest score on questionnaire no. 11 on the image presented was clear and not blurry with an average achievement rate of 79.41% with decent qualifications and did not need to be revised. While the highest score is found in questionnaire number 15 about sentences used effectively and questionnaire number 17 about training

materials explaining the implementation procedures that are coherent so as to make it easier to apply Mobile Learning-based Training with an average achievement rate of 94.12% with very decent qualifications and does not need to be revised.

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