

Development of Meaning and Purpose Audio Script for Micro Learning Course

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Abstract

The purpose of this study was to determine the quality of the audio script of meaning and purpose in micro learning courses developed. This development research uses the 4 D model, which consists of definition, design, development, and dissemination stages. In the developed micro-learning course, the quality of the audio script of meaning and purpose was assessed through open and closed questionnaires using a Likert scale. The audio script of the meaning and purpose of the micro-learning course that has been developed is then assessed by media and material experts, and field tested on a limited and small scale. The limited scale trial sample consisted of 10 students on a limited scale and 25 students on a small scale. Consisting of both quantitative and qualitative data, this study includes feedback and recommendations from media experts, material experts, and field trials. The results of the field trial have shown that the designed audio script of the meaning and purpose of micro-learning courses can be used well. Based on the assessment from the limited and small-scale field tests, the quantitative data was converted into the quality level of the audio script of the meaning and purpose of microlearning courses. The results of the limited scale field test showed an average of 87.14%, and the limited scale field test showed an average of 91.86%.

Keywords: Audio Script; Meaning And Purpose; Microlearning.

1. Introduction

The rapid development of information and communication technology in recent decades has had an impact on the world of education which has undergone a significant transformation. The development of science and technology that is so fast and easy to access information can improve the quality of education implemented in Indonesia (Fuldiaratman & Ekaputra, 2023). The development of technology is getting faster, making the world of education continue to adapt to keep up with the times (Sungkono & Ekaputra, 2023).

The impact of accelerating technological developments makes the application of the curriculum as an educational standard must be adjusted to the times (Hendra et al., 2023). Student skills in dealing with changes and demands of the times must be owned by every student (Ekaputra & Widarwati, 2023). Providing skills should be given to students since the early semester (Ekaputra et al., 2023). The utilization of digital media in the learning process is one of the most significant developments. The utilization of various media in learning activities makes an increase in student motivation and learning independence (Haryanto et al., 2023). The meaning and purpose of audio technology in micro learning courses has become one of the important tools to support the course of learning activities.

Based on observations in the field, audio scripts, especially in microlearning, have not been widely developed. Not many audio scripts have been developed in microlearning, making students' references in developing audio scripts, especially in microlearning, limited. Therefore, the availability of audio scripts is needed to support the learning that is carried out.

Audio media is media that contains messages in auditive form, so that it can stimulate thoughts, feelings, attention, and help in acquiring knowledge, skills, or attitudes (Praptaningrum, 2020). Audio media development procedures in

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developing students' listening skills from the planning, script writing, media production, and evaluation stages (Waraqah et al., 2021).

The advantages of audio media are cheap and easily accessible. Audio media is practically moved and is more efficient and easy to use (Faujiah et al., 2022). Advances in streaming technology and online storage allow seamless access to audio content. Increased awareness of diverse learning styles, where some individuals are more responsive to audio approaches.

Based on this background, this research developed audio scripts. The audio script developed is focused on micro-learning courses. The purpose of this study is to determine the quality of the audio script of meaning and purpose in micro-learning courses that have been developed.

2. Literature Review

2.1. Manuscript

The collection of material that will be poured into a script is needed such as data obtained from various sources such as data in the field, libraries, existing materials from other parties or special preparations made by others (Dora & Idris, 2019). The script guide in the media program is a reference in making audio scripts in accordance with the material contained in the Media Program Outline containing identity in the form of subjects, topics, topic descriptions, media, media titles, authors, material reviewers, and media reviewers (Lestari et al., 2018).

2.2. Audio Media

Learning media has a strategic role in the implementation of learning activities because it mediates knowledge information (Asmara, 2015). Audio media is media that contains messages in auditive form or can only be heard by students as learning subjects (Karlina, 2017). The advantage of audio media is that it stimulates the imagination of a material conveyed through the sense of hearing (Suparti & Susanti, 2017).

2.3. Micro Learning

Micro-learning is a course that aims to improve the teaching skills of students as prospective teachers by simplifying the time, material, and number of students (Sadikin & Yelianti, 2021). Learning through micro-learning involves many aspects of ability, so that to achieve the desired standard changes, students practice their ability to manage learning directly in the classroom, laboratory, and campus environment (Apriana & Bahri, 2022). Micro-learning provides great benefits, especially for students as prospective teachers, so that the course is mandatory for every prospective teacher at any level, both for early childhood education teachers to high schools (Jundi & Yasin, 2020).

3. Research Methods

The 4 D model, which consists of defining, designing, developing and disseminating stages, was used in this development research. Data on the making of audio scripts that explain the purpose and meaning of micro-learning courses were assessed by material experts and media experts, and small-scale field trials were conducted. Media and material experts are lecturers at the Yogyakarta State University Educational Technology Study Program who will assess the audio script that has been made. Audio scripts that explain the purpose and importance of microlearning courses that have been assessed and given input by media and material experts are then assessed by students in the Yogyakarta State University Educational Technology Study Program in limited and small-scale field tests. Yogyakarta State University students enrolled in the Educational Technology Study Program became the field test sample for quantitative evaluation of the audio script that had been made to explain the purpose and meaning of micro-learning courses. There were two assessments in the field test, namely limited and small scale. 10 students were sampled in the limited scale field test and 25 students in the small scale field test. A Likert scale was used in the closed-ended questionnaire to measure the quality of the audio script. The quality of the audio script explaining the aims and objectives of the micro-learning course was then shown by percentage analysis of quantitative data.

4. Results and Discussion

Media experts and subject matter experts evaluated the audio script on meaning and purpose prepared for the microlearning course to provide feedback on how to improve it. After the subject matter experts and media experts deemed the audio script on meaning and purpose in microlearning courses worthy of use, limited-scale and small-scale trials were conducted to collect quantitative data. A total of 10 students in the limited-scale test and 25 students in the small-scale test enrolled in the Educational Technology Study Program of Yogyakarta State University assessed the audio script of the meaning and purpose of microlearning courses that had been made.

The quality of audio scripts for meaning and purpose in microlearning courses was then determined by analyzing quantitative data using the mean test. Determining the quality level of the audio script produced for meaning and purpose in microlearning courses was the purpose of the audio script quality test. Table 1 displays the results of the limited and small-scale assessments used to evaluate the audio scripts for meaning and purpose in microlearning courses.

Table 1. Audio Script Quality Assessment.

Field Trial	Aspect	Value	Value Maximum	Percentage
Limited Scale Trial	Sharpness of background color	35	40	87,50 %
	Consistency of lay out	34	40	85,00 %
	Ease of typeface to read	37	40	92,50 %
	Suitability of font size with background size	31	40	82,50%
	Suitability of font color with background color	35	40	87,50%
	Suitability of sentence placement with the layout	37	40	87,50 %
	Appropriateness of image placement with lay out	33	40	82,50 %
	Average			87,14 %
Small Scale Trial	Sharpness of background color	91	100	91,00 %
	Consistency of lay out	91	100	91,00 %
	Ease of typeface to read	93	100	93,00 %
	Suitability of font size with background size	92	100	92,00 %
	Suitability of font color with background color	95	100	95,00 %
	Suitability of sentence placement with the layout	90	100	90,00%
	Appropriateness of image placement with lay out	91	100	91,00 %
	Average			91,86%

The results of the assessment of the quality test of the audio script of meaning and purpose in micro-learning courses from limited-scale and small-scale trials obtained scores in the excellent category. This is evidenced by the average percentage of 87.14% in the limited scale trial and 91.86% in the small scale trial. The results of the assessment of the audio script of the meaning and purpose in the micro learning course developed are expected to improve the quality of learning carried out. The utilization of audio media meaning and purpose in micro learning courses in learning activities has become a massive thing to use. Audio media makes learning provide high flexibility and accessibility for lecturers and students to access information effectively.

The use of audio-based media can improve students' listening and speaking skills (Khotimah et al., 2021). Audio media can be utilized as a facility in fostering a culture of literacy by making story recordings from storybooks (Ifadah et al., 2020). The increase in listening skills in the application of audio media in learning activities is due to the increased concentration of students (Marhum et al., 2023). Based on the data that has been obtained in this study from media experts, material experts, and field trials, the audio meaning and purpose is declared feasible, while the quantitative data from the field test of audio script quality obtained an average of 87.14% on a small scale test, while on a limited scale an average of 91.86% was obtained.



Figure 1. Audio script meaning and purpose

5. Conclusion

The data from this study are in the form of qualitative and quantitative data. Based on qualitative data derived from input and recommendations from media experts, material experts, and field trials stated that the audio script of meaning and purpose was declared feasible, while quantitative data from the field test of the quality of the audio script obtained an average of 87.14% on a small scale test, while on a limited scale an average of 91.86% was obtained.

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