

DEVELOPMENT OF A MANUAL PROCEDURE FOR USING VIDEO-BASED E-RESOURCES (DIGITAL LIBRARY) ON THE JAMBI UNIVERSITY LIBRARY WEBSITE

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ABSTRACT

Through its website, Universitas Jambi Library (UNJA Library) should be able to provide information on how to access its E-resources. By fulfilling the guidance information, it is hoped that it will be able to provide industry-based services 4.0, one way is to make a video manual on procedures for using the UNJA library website's E-resources. This was made with the aim that information access activities for all users can be distributed properly and run effectively and efficiently. Many users do not understand how to use the Jambi University library's e-resources. Because this will definitely affect library e-resources, the researcher developed a video-based web-based E-Resources Usage Procedure Manual for using digital libraries at the Jambi University library. The subjects in this study were Jambi University users. This development research procedure refers to the Trollip & Alessi model. To assess the product being developed, a validation test was applied by media experts, material experts, user response questionnaires and to see an increase in knowledge in the use of Jambi University library e-resources.

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1. INTRODUCTION

Currently we have entered the industrial era 4.0, therefore librarians and library staff are expected to be active, maintain relevance, and have good competence so that the information needs of users can be met. By improving competence, it is expected to increase the quality of learning, service, research, and increase journal publications. Librarians have a role as partners in the learning activities of users. Therefore, competence and ability in communication through Information Technology are indispensable in libraries.

With the good competence of librarians, it is hoped that it can improve user services and user understanding in obtaining the desired information. Along with the existing development, the concept of a library is developing with the existence of information and communication technology that is increasingly advanced. In ancient times the library held existing collections through lontar leaves, animal skin scrolls, and clay. The collections of ancient libraries had limited information and the content of information both text and images was easily lost or damaged due to the material for storing very simple collections. Then it began to develop into paper media as a tool to store existing information.

With the passage of time, media to store information and collect knowledge has grown and developed into the form of paper, magnetic media, recording media tools, optical devices, Until finally libraries can use digital collections or the use of E-resources as it is today in line with the development of industry 4.0. Electronic resources or E-resources are expected to be used by users anywhere and anytime, this can apply because of the ease of access thanks to the existence of electronic resources available on the internet or more precisely in this case on the library website of the University of Jambi (UNJA).

Library e-resources are electronic resources that are accessed in the form of digital or electronic media so that they do not take up physical space so that they are more effective and easier to reach by users if facilitated internet access and adequate technological tools. In the rapid development of media storage, several terms conventional libraries, digital libraries, libraries with information systems, to mobile libraries that can be accessed anytime and anywhere. Libraries have gone into a phase when information as well as knowledge has morphed into digital or electronic forms.

However, there are still many users who do not know what facilities and E-resources are owned by the UNJA library, and some still do not know how to access the E-resources owned in the UNJA library. UPT Jambi University Library through Jambi University (UNJA) has spent a lot of money in order to provide

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information and meet the needs of users for various online digital library materials (e-Resources) such as ebooks, journals, and other online reference works.

However, users need a good understanding in the use of these E-resources such as in terms of how to access, how to download or view the contents of the E-resources available on the Jambi University (UNJA) library website. The Jambi University Library (UNJA), through its website, should be able to provide information on how to access its E-resources. By fulfilling the guidance information, it is hoped that it can provide industry 4.0-based services, one way is to make a video manual of the procedure for using the E-resources of the UNJA library website.

This is made with the aim that information access activities for all users can be distributed properly and run effectively and efficiently. With the video in the manual procedure for using the E-resources of the UNJA library website, it is hoped that it can make users better understand the existing guidance material. This of course depends on how interesting the video is made so that it can attract the attention of users to focus on the existing usage guide procedures. From the results of interviews with several users where they are students of Jambi University, they admitted that they needed e-resources in research and learning activities.

However, 90% of users admit that there are few obstacles in the use of e-resources provided by the UNJA library in the form of a website, they do not yet know how to visit the right one at the UNJA library digital service. Users admitted that they need better and easier to understand guidelines in utilizing e-resources for the Jambi University library. Such a situation makes the author conduct research in terms of developing a manual procedure for using E-resources video-based library websites at jambi university (UNJA) as well as seeing how effective the results of accessing E-resources users using the video manual guide procedures for using UNJA library E-resources and see if there are any difficulties found by UNJA users in understanding the video-based procedure manual.

College Library

According to Sulisty Basuki (2011) a college library is a library located in universities, subordinate bodies and institutions affiliated with universities, with the main purpose of helping universities achieve their goals.

E-Resource Library

College libraries require e-resources for users to use. AACR2 describes the material covered may require a computer (such as a CD-ROM) or other device that is directly connected to a computer network (such as the Internet). This definition describes access to the electronic resource itself either through the Internet or a Computer. From the way e-resources / e-resources are understood above, e-resources have the possibility of unlimited access and access both in terms of time and place.

According to Sulisty Basuki (2009), the Library Center allows us to sort electronic resources (resources) consisting of digital, audiovisual, and digital resource collections in online form. Here are some of the types: E-journal is an electronic version of the journal in printed or serialized form. However, there are some journals that are only digital and do not have a print edition.

The types of e-resource collections in the Jambi University Library are as follows:

a. E-Book (electronic book)

UPT The UNJA Library has several online databases that provide special access to various e-books.

b. E-Journal

There are 5 (Five) international journals

c. E-Repository

The jambi university library also provides an online repository provided in the <https://repository.unja.ac.id/>. This repository contains scientific works from the academy community of Jambi University.

Some definitions of the procedure according to experts, namely:

- a. Mulyadi (2010) states that procedures are administrative activities that involve many personnel, usually in one or more departments, to ensure uniform handling of routine business processes.
- b. Zaki Baridwan (2011) states that a procedure is a sequence of work that usually requires several people to be compiled to ensure regularity in the process of activities.

These methods contain rules or guidelines in working to achieve organizational goals. In the information, it can be concluded that the steps are: A series of actions, certain operations that need to be performed or performed with standard things in order to always achieve the same result under the same

circumstances. In this case, I focus on the procedure for using e-resources of the Jambi University library.

Multimedia Learning

Multimedia has several meanings in a learning medium. Learning Videos According to Sanaky (2009), video media is a means used to show audio and video. Sound and images that work simultaneously create a display that looks the same as the original form in the form of a screen. Smaldino, et.al. (2005) states that video is considered the same as the term broadcasting which is also the same as TV. Video media is a processed form of presenting messages, a form of electronic media with live images.

Alessi and Trollip Development Model

The Alessi and Trollip Development Model in Video media development in the manual understanding of UNAJ library e-resource procedures using the Trollip and Alessi media development design model (2001). Trollip and Alessi affirm that a multimedia material development model is provided that has three ever-present attributes and three phases, each consisting of various problems to be addressed and actions to be taken. The three attributes are standard, continuous evaluation, and project management. The three phases are planning, design, and development.

2. METHODS

The author uses the method of development research. Semiawan (2007:181) says that development research is utilized with the aim of linking gaps in research and educational practice. Semiawan (2007:181) also said development in education is aimed at the development of effective products in the interests of applied learning and research. Development research also prioritizes changes in improvement and prioritizes benefits in the world of education. The purpose of development research is to develop new things that hopefully can be used for learning for teachers to develop teaching quality. The material in the video will be focused on the Manual of Procedures for Using Video-Based E-resources (Digital Library) on the Jambi University Library Website. The development of this video is focused especially on users from the Academic Community of Jambi University. The development was carried out at the Jambi University Library, Jl. Raya Jambi - Muara Bulian KM. 15 Mendalo Darat 36361, Jambi, in 2022-2023. The characteristic of this development target is the Jambi University Library User.

From the age level, unja academicians are between 18-35 years old. Jambi University Library users are S1 Students, and Postgraduates of Jambi University. Through the video material guide to the use of E-resources, the author assumes that users will be able to understand the methods and abilities related to the use of e-resources, and focused on e-resources in the Jambi University Library.

In this development, the authors used the Alessi and Trollip (2001) model procedures as the development design model used. Alessi and Trollip have the following attributes: standard, continuous evaluation, and project management. The three phases carried out are planning, design, and development.

Data collection in this study used questionnaires. The techniques used in data analysis are analysis with a likert scale and analysis with a t-test.

3. RESULTS AND DISCUSSION

Design and Development Results

In planning and analyzing activities that have been carried out and obtaining results, content design is carried out, task analysis arrangements, and preparing the flow of manuscript production in the video. The content developed is the UNJA E-Resources video guide. Planning activities in the development of this Video include: Scriptwriting, camera work direction, model direction, production assistant direction.

The material in the video that was made focused on the material of the Video-Based Manual of Procedures for Using E-resources (Digital Library) on the Jambi University Library Website. The development of this video is focused especially on users from the Academic Community of Jambi University. Setting up the production pipeline is the next step in the procedure.

Presentation of Expert Validation Results Data (Alpha Test)

Material Expert

Material validation in this development involves material experts Dr. Drs. Suratno, M.Pd. Involvement of people who understand and experts in libraries to assess unja library e-resources materials. The results of material expert validation are as in the following table:

Table 1. The results of material expert validation

No	Component	Indicators	Criterion	
			Score	%
1	E-resource Library Materials	Conformity of e-resource library materials to those provided	5	100
		Indicator conformance with e-resources	4	80%
		Conformity of the material to the scope of the library	4	80%
2	User (user)	Percentage Indicators	13	86.6%
		User compatibility with user characteristics	5	100%
		Compatibility of the way of delivering the material with the learning characteristics of users	5	100%
		Gives the opportunity to learn on your own	4	80%
		Demands the creativity of users	4	80%
		Noting the benefits of learning for individuals	4	80%
		Percentage Indicators	22	88%
3	Display	Attractiveness of appearance	5	100%
		Compatibility of the video with the material	5	100%
		Percentage Indicators	10	100%
4	Language	Accuracy of sentence structure	4	80%
		Sentence effectiveness	5	100%
		Accuracy of the use of linguistic rules	5	100%
		Consistency of use of terms and symbols	5	100%
		Percentage Indicators	19	95%
5	Material	Straightforward presentation of the material is easy to understand	5	100%
		Percentage Indicators	5	100%
Overall Percentage			69	92%

The table states that the Material Expert Validation is in accordance with the existing conditions with a value that is at 92% or Excellent. Each indicator is as follows: 1) Feasibility of Material Content "e-resources library materials" is in the 86.6% category, 2) User Components are in the 88% category, 3) Display Presentation in the 100% category, 4) Language Component in the 95% category. And 5) The presentation of the material is in the 100% category. From the results of the first validation of the material expert as the Table can be drawn, that the material in the Video Guide for the use of e-resources already meets the criteria.

Media Expert

Here is the Media Expert validation assessment, as in the following table:

Table 2. Media Expert validation assessment

No	Component	Indicators	Criterion	
			Score	%
1	Multimedia Instructions for Use	The steps in the procedure manual are easy to operate	4	80%
		Presentation in the manual of video-based procedures for the use of UNJA library e-resources is easy to understand	4	80%
		Percentage Indicators	8	80%
2	Linguistics	Readability in text or writing	5	100%
		Suitability of the typeface used	4	80%
		Suitability of the font size used	5	100%
		Percentage Indicators	14	90%

3	Multimedia Layouts	Accuracy of on-screen text settings	5	100%
		Accuracy of layout selection with materials	5	100%
		Layout Proportions Accuracy	4	80%
4	Color	Percentage Indicators	14	93,3%
		Color composition used in each look	5	100%
5	Compatibility of multimedia with library materials	Percentage Indicators	5	100%
		The content of the material focuses on library materials	4	80%
		The collapse of the presentation of material in multimedia	4	80%
6	Voice	Percentage Indicators	8	80%
		Clarity of audible voice	4	80%
		The accuracy of choosing the music illustration or sound used	4	80%
		Percentage Indicators	8	80%
		Overall Percentage	61	87,6%

The table states that the Media Expert declares eligibility for the required Media Validation. The validation value is 87.6% or Excellent/Very Decent. Meanwhile, the criteria for each indicator show: 1) Instructions for using multimedia are in the 80% category, 2) 90% Language, 3) Multimedia Layout 93.3%, 4) Language Component in the 95% category, 5) Color is in the 100% category, 6) Multimedia compatibility with library materials is 80%, and 7) Votes are in the 80% category. Thus, the video guide can be recommended to be tested on users.

Presentation of Product Trial Data One to One Trial

The developer conducted a One-To-One Evaluation test on three FKIP students of Jambi University. The selected students are students with low, medium and high academics, there are no obstacles that occur during the FKIP student evaluation process. The questionnaire given to student users is a money questionnaire using a likert scale that has alternative answers from 1 to 5.

Table 3. average scores of student questionnaires

Number	Participants	Value
1	NS	4,85
2	NW	4,50
3	RY	4,25

Table 4. Evaluation table uji try one to one

Number	Interval	Category	Trial	
			f	100%
1	$X > 4.21$	Excellent	3	100%
2	$3.40 < X \leq 4.21$	Good	-	-
3	$2.60 < X \leq 3.40$	Enough	-	-
4	$1.79 < X \leq 2.60$	Less	-	-
5	$X \leq 1.79$	Very Less	-	-
Sum			3	100%

Table results show that the One-ToOne Evaluation Trial has a percentage of 100% based on the value of the evaluation table. In addition, One-To-One Evaluation students also gave positive responses to the e-resource procedure manual for use in learning videos.

Small Group Trials

Small Group Evaluation is carried out simultaneously through a video displayed on a large screen in the mini studio room of the Jambi University library. After the user sees the manual video of the procedure then fills out the questionnaire given. The number of small group populations from those carried out is 10 people. Questionnaires are also given a likert scale as in the one to one evaluation trial.

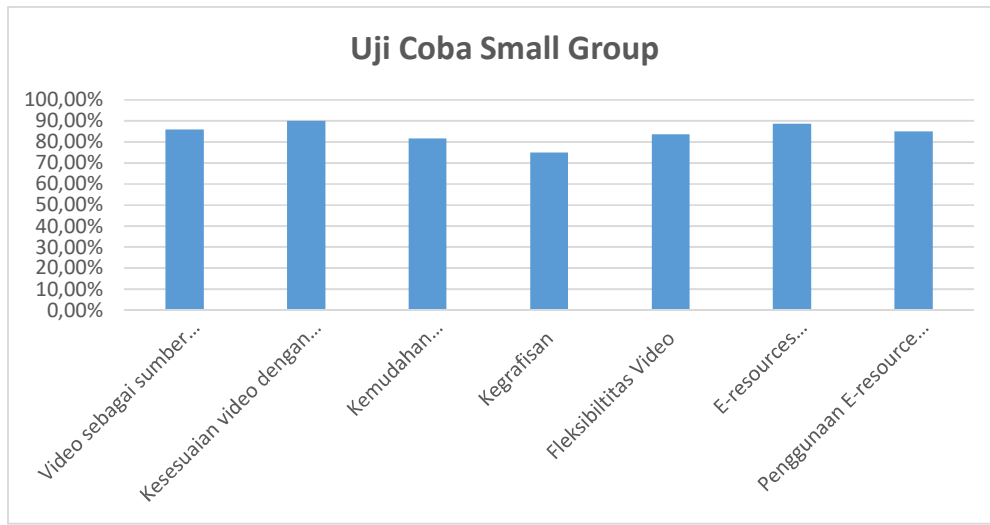


Figure 1. Small group trial graph

The graphic above states the subject of the Video Manual procedure was well received by the test subject. Of the 6 indicators of the development of the Video manual of the UNJA library e-resource procedure, the opinions of the test subjects were in the category above 80% or the average percentage of all indicators at 84.5%. Thus, it can be concluded, the results of a small group trial stated that the video manual of the e-resource procedure of the Jambi University library is feasible to be used as a source of manual procedures for Jambi University users.

Field Trials

To see the effectiveness and feasibility of procedural, field trials use pre-test and post-test. The pre-test is carried out before the user sees a video manual of the UNJA library e-resource procedure. The post test is carried out after the user sees a video manual of the UNJA peprustakaan e-resource procedure. This is done to find out whether the video manual procedure is effective in making users understand the content of the UNJA library e-resource. The field trial was carried out by 100 representatives of Jambi University users.

The hypotheses in field trials are as follows:

Ho : THERE IS NO DIFFERENCE between the pre test value before viewing the procedure manual video and the post test value after viewing the UNJA library e-resource procedure manual.

Ha : THERE IS A DIFFERENCE between the pre-test value before viewing the procedure manual video and the post test value after viewing the UNJA library e-resource procedure manual.

If the Significance or Sig.(2-tailed) value < 0.05, then Ho is rejected and Ha is accepted.

Table 5. Group Statistics Pre test and Post Test analysis results for field trials

Group Statistics					
	Group	N	Mean	Std. Deviation	Std. Error Mean
Value	Pre test	100	51.39	10.392	1.039
	Post Test	100	87.86	5.297	.530

Based on the results of analysis using SPSS, the average pre-test value is 51.39 and the average post test value is 87.86. Here it has been seen that the post test or when the user sees the manual video procedure makes the value of the user's understanding of e-resources better than before. If you look at the Independent Samples Test, it can be seen as follows:

Table 6. Independent Samples Test analysis results of field trials

Independent Samples Test						
Levene's Test for Equality of Variances						
		F	Sig.	t	df	Sig. (2-tailed)
Nilai	Equal variances assumed	33.786	.000	-31.266	198	.000
	Equal variances not assumed			-31.266	147.193	.000

Independent Samples Test						
t-test for Equality of Means						
t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
					Lower	Upper
-31.266	198	.000	-36.470	1.166	-38.770	-34.170
-31.266	147.193	.000	-36.470	1.166	-38.775	-34.165

From the results of the performance of the Independent Samples Test Based on the output above, a Sig.(2-tailed) value of $0.0000 < 0.05$ was processed, then according to the basis of decision making in the Independent Sample T-Test, it can be concluded that H_0 was rejected and H_a was accepted, which means that there is a DIFFERENCE between the pre-test value before seeing the procedure manual video and the post test value after seeing the UNJA library e-resource procedure manual.

This means that the products made have been tested for effectiveness and feasibility procedurally so that they can be utilized by future users based on field trials.

4. CONCLUSION

In obtaining the concept framework and manual development procedure for the use of E-resources video-based library website at the Jambi University Library. The first thing that needs to be done is to analyze the needs. The development model referred to is of course the video or multimedia media development model that has been carried out by experts in their fields. The Alessi and Trollip models are good multimedia development models to adopt in the development of audio-visual media. This model has three main pillars, namely standardization, continuous evaluation, and project management. These three main pillars are further outlined in three steps of activity, which include planning, designing, and development. It is in these three steps that in detail and in detail the development process is spelled out. Thus, Trollip's and Alessi models pay attention in detail to each stage of development. The opinions recommended by experts during the validation process are combined to refine and complement the media produced. These opinions include: the suitability of the impression to the learning objectives, the suitability of the duration of the impression, the suitability of the image, the illustration of animation, the use of illustrative music, the use of letters, the narrative, the model or performer, the shooting technique, and the video editing technique.

The theoretical feasibility of the manual procedure for using the Video-based library website E-resources at the Jambi University Library is based on the development model referred to the video or multimedia media development model that has been carried out by experts in their fields, namely the Trollip's and Alessi Models. The conceptual feasibility can be seen from the results of Material Expert Validation, Media Expert Validation, trials through one-to-one trials, small group trials, and field trials that have good results. Video-based Jambi University library e-resource procedure manual that has been developed by researchers in accordance with the needs for learning and research in the use of e-resource library users of the University of Jambi. In addition, researchers know the responses of users and librarians related to the video-based Manual of e-resource procedures for the Jambi University library that have been developed by researchers.

As for the response of users after seeing the manual product procedure for using the video-based library website e-resource at the Jambi University Library that was made, the average user gave a positive response to the e-resource procedure manual to be used in learning videos, users enthusiastically

welcomed the products made, the results of one to one trials and small group trials consisting of Jambi University library users showed a video manual procedure The e-resource library of Jambi University deserves to be used as a manual source procedure for users. Meanwhile, from field trials at the Jambi University Library, it can be seen that there is an increase in understanding after seeing the manual video of the e-resource procedure of the Jambi University Library.

the feasibility of manually practicing the procedure for using the E-resources of a video-based library website at the Jambi University Library can be seen from users who conduct field trials, it can be seen an increase in understanding after seeing the manual video of the e-resource procedure of the Jambi University Library. Where when the pre-test field trial users got an average score of 51.39 and the average post test value was 87.86. Thus, it can be said that the manual product procedure for using video-based library website E-resources at the Jambi University Library is practically feasible.

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