Development of Academic-Efficacy Video Media as the Content of Islamic Guidance and Counselling Application (IGCA)

Najlatun Naqiyah[1] Nabila Salma Salsabila[1] M. Farid Ilhamuddin[1] Syafi'ul Anam[1]
Dian Mutammima[2] and Diajeng Retno Kinanti Putri[3]

[1] Universitas Negeri Surabaya, Surabaya, Indonesia
[2] SDN Alaskandang 1 Besuk, Krejengan, Probolinggo, Indonesia
[3] Universitas Pendidikan Indonesia, Bandung, Indonesia
`najlatunnaqiyah@unesa.ac.id`

Abstract. A sense of accomplishment determines the ability to achieve designated goals. Increasing the sense of success (self-efficacy) is the main key to developing success in the future. The role of guidance and counselling teachers can increase students' self-efficacy through video media. Guidance and counselling media plays a role in the success of counselling, so this study tried to develop a video media to increase academic efficacy. Media development is carried out through the ADDIE method (Analysis, Design, Development or Production, Implementation or Delivery and Evaluations). The results showed that this video media was feasible through expert testing and input from participants.

Keywords: Academic-Efficacy, Counselling, Media, Videos.

1 Introduction

Self-efficacy is the sense of success in one's ability to succeed in the future [1], [2]. Self-efficacy is a basic component possessed by students. In relation to guidance and counselling, self-efficacy occupies a position in students' academic and career achievements. Self-efficacy needs to be developed to create intrinsic motivation in achieving students' academic and career success [3].

Students' high sense of success has not been accompanied by high achievement ability in mathematics, one of which is caused by the teacher's ability. Researchers conducted a further study to create an Islamic guidance and counselling application to increase the self-efficacy of students in learning in dormitories. This application can help teachers provide services to students. At first glance, children seem to have high aspirations to become doctors, lecturers, office employees and regents and the teaching profession. A career is a lifelong process of actualisation. Achieving the aspirations high competencies through pursuing higher education. However, based on the interviews, these aspirations are only dreams without any real effort. Many of them do not continue on to university. They return to their hometowns with senior high school certificates. This is a cause for concern, as children lack the effort to pursue their dreams,

due to low ability and insufficient economic resources for parents to continue to university. One of the efforts to increase the sense of success is by providing group counselling services to children who have low self-efficacy. Self-efficacy and perseverance improve student performance.

This research is to produce a video of guidance and counselling in learning with a sense of success. The video is expected to increase effort and patience in continuing to college by obtaining scholarships. Poor children who have a Smart Indonesia Card (KIP) have the opportunity to go to college. As long as there is effort, there will be success. Belief in the ability to give children effort to persevere in overcoming difficulties needs to be trained with digital media-based group counselling.

Video is one of the media that has the appeal to stimulate children's attention. Video media is able to intensely influence emotions and achieve faster results compared to other types of media when conveying messages [4]. Video media is a medium that provides information in the form of visuals and sound [5] . It is also a tool that uses moving images and sound simultaneously through visual displays to present information and messages electronically [6]. A video includes elements such as text, images, sound, and animation [7]. Video media can improve cognitive abilities, including the ability to remember, understand, apply and analyse information [8]. The use of video media allows students to understand and capture information, messages, knowledge, and learning materials provided better (Hidayat, 2019).

Previous research has suggested that video media is very influential in various settings. Video media has been tested in several field such as health [10]–[12] and education [13]–[16]. The previous studies mentioned effective results of videos as instructional media. This video media can effectively educate to prohibit, order students or provide them relevant tutorials [11].

Through the use of simple language and visual aids to facilitate understanding [17]. This statement further strengthens that the development of video media can also be carried out in guidance and counseling service settings. Video media is an appropriate alternative to answer the needs of students at Islamic boarding schools.

Video media in IGCA (Islamic Guidance and Counselling Application) was developed to increase the sense of success in the field of learning. By increasing the sense of accomplishment children will enjoy learning, doing assignments and taking time to read and write. Additionally, prolonged perseverance will lead to improved learning outcomes.

2   Research Methods

This research used a development design with the ADDIE model with seven steps. This steps comprises analysis, design, development or production, implementation or delivery and evaluations) [18]. The development procedure was carried out with student need assessment through observations and interviews with teachers at the boarding school. Video development was based on the need assessment obtained from media expert test and material expert test. Then the video was trialed on a small scale.

3   Results and Discussion

Here are the results of the video development that has been carried out:

3.1   Video Development Results

The media product development process is carried out through the following stages:

Analysis
Based on the needs analysis, it was found that self-efficacy in boarding schools was low. This shows that students had low self-efficacy and needed further assistance. IGCA video media could be used as media effectively and efficiently to develop students' self-efficacy.

Design
Studying references and materials related to self-efficacy and designing video scripts that would be used in the development of video media, according to the information obtained from the references that have been collected.

Development

This development stage includes activities to create and modify video media based on the results of planning. The first step was to make a video that was recorded with a camera. After going through the video making process, then the video results were edited using the VN application. In the editing process, researchers added text with the aim of facilitating understanding for students when viewing this video. In addition, researchers also added back sound to make the video more interesting to watch.

Implementation

At this stage the IGCA video was trialed on a small scale. The video was tested to six students in one of the boarding schools. In addition, implementation was carried out using the experimental method by quantitatively assessing the pre-test and post-test to determine the effectiveness of video media to develop students' self-efficacy.

Evaluation

The evaluation stage is the final stage in the implementation of research and development with the ADDIE design. The results of responses from students and experts in the development of this video media were used to improve the media. Input from students and experts was used for improvement so that IGCA video media could be more effective.

3.2   Video Export Test Results

Material Expert Test

Based on the results of the material testing that has been carried out, the following is the assessment of the video:

Table 1. Material Expert Test Results.

No	Aspects	Feedback
1	Appropriateness of Counselling Materials	Appropriate, supporting children's competency standards in learning as per learner independence competency standard
2	Conformity of Content with Title	Appropriateness of title with counselling material in the opening, core and closing sections
3	Language	The language used is precise and easy to understand

Media Expert Test

Based on the results of media testing that has been carried out, the following is the assessment of the video:

Table 2. Media Expert Test Results.

No	Aspects	Feedback
1	Appearance	a) Selection of background and layout is correct b) The selection of letters is changed to attractive and simple letters such as letters that do not have tails or sans serif. c) The use of images and videos is interesting
2	Compatibility	Videos can be played on computer and android
3	Time Behaviour	Video can run well
4	Flexibility	The media can be used independently by students and is suitable for users

Self-Efficacy is a personal belief in one's ability to organize and carry out the actions necessary to achieve the desired things in both academic and other fields [19]. So, through this video media, it is expected to increase the students' academic self-efficacy. The response from the students showed very positive things and considered that self-efficacy was an important thing to have. This is because self-efficacy can affect the daily lives of students [20], be useful for completing academic tasks, and influence educational and occupational interests and expectations [21]. Academic self-efficacy plays an important role in changing students' lives. Many students have economic

limitations, but many students today feel a lot of obstacles to achieving academic self-efficacy.

Efforts to increase self-efficacy can be done either through training, conferences or other media [22]. While counsellors in boarding schools are less skilled in directing students to find their interests and talents, consequently, students receive little support to raise their self-efficacy. This is because self-efficacy material is very important for students [23]. Along with addressing complaints from students, counselling media can be developed and is practically and economically accessed through students' mobile phones. This is because the use of mobile phones is very high in millennial children (www.kominfo.go.id) and Indonesia is the largest internet user country. The use of technology is developed for information service delivery [24], so this media can be used properly. In addition, educational videos on family beverage choices, which utilize narrative persuasion (or storytelling) and a reality TV style approach, are based on successful health communication campaigns to change sugary drink consumption or other health behaviors and increase students' self-efficacy [25].

The results of media development indicated the material about academic efficacy. The video media can function as a tool that makes it easier for students to understand and capture information, messages, knowledge, and learning materials provided (Hidayat, 2018).

The result of this video media about academic efficacy was 8.85 minutes (8 minutes 85 seconds. This video is used as learning media, to help individuals increase their sense of success in the academic field through increasing self-efficacy, so the discussion in the video covered understanding related to self-efficacy like its characteristics, influences, and tips for increasing self-efficacy. The contents of the material explained in the video included:

0:00 - 0:47 - Opening
0:48 - 1:09 - Definition of self-efficacy
1:10 - 2:58 - Sources of self-efficacy
2:59 - 4:42 - Effects of self-efficacy
4:43 - 5:26 - Characteristics of high and low self-
                     efficacy
5:27 - 5:55 - Self-Efficacy in Islamic View
5:56 - 6:22 - How to increase self-efficacy
6:23 - 7:32 - Tips to increase your sense of academic
                     success
7:33 - 8:85 - Closing

The advantage of this academic efficacy video media is that 1) the video media used simple language so that students can understand the material easily, 2) the audio elements had clear, interactive explanation voices so that students will be interested in listening to the material, and 3) the video was accompanied by visual elements in the form of text materials so that students can read them easily. In addition, the media can be viewed anywhere, played more than once, and used by anyone. Based on the test

results of the materials, media and responses from students, this video was suitable for use in developing academic efficacy for students.

4. Conclusion

Video is one of the media that has the attraction to stimulate children's attention. Video media containing material about academic efficacy can be used to provide guidance and counselling materials. The purpose of this research was to develop academic efficacy video media to increase students' academic self-efficacy. This video can help students and guidance and counselling teachers in service delivery in which the video is easy to use anytime and anywhere. The study used ADDIE model, including the steps of product creation, testing by material and media experts and product revision. The results of the study showed that this application was suitable for use with students in an effort to increase student self-efficacy.

Acknowledgments

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