

## Information on Advanced Study Assisted by Adobe Flash Media to Increase Motivation for Advanced Studies

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### Abstract

The purpose of this study is to determine the effectiveness of information services in advanced studies assisted by Adobe Flash media in increasing motivation for further studies in high school students. The experimental research method uses the design of one group pre-test – post-test involving 8 students who have very low motivation for further study. The results of this study indicate that the motivation of further study of students before being given information on further study assisted by Adobe Flash media, the average motivation for further study was 94.25 (SD = 6.29), then an increase after being given information services with Adobe Flash assisted study of 294.25 (SD = 9.57). The paired sample t-test results showed that Adobe Flash assisted information services were effective in increasing the motivation of further study of high school students ( $t_{(7)} = 51.396$ ,  $p < 0.01$ ). This study confirms that information services for further studies assisted by Adobe Flash media can be applied to increase the motivation for further studies of high school students.

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## INTRODUCTION

The guidance and counseling program contains four service components, namely (1) basic guidance services, (2) responsive services, (3) individual planning, and (4) system support. One of the guidance and counseling services students need is information services included in the basic service program. Sukardi & Kusmawati (2008) argues that information services are guidance and counseling services that allow students to receive and understand various information (such as education information and position information) that can be used as consideration and decision making for the benefit of students

Providing information services is expected to help students to avoid various problems that can interfere with the achievement of their development, whether related to personal, social, learning or career. In addition, it is expected that students can receive and understand various information, which can be used as a consideration in making decisions in the interests of the students themselves, Tohirin (2013).

However, in reality, based on the results of interviews with several students related to the implementation of information services for further studies conducted at Public High Schools in Kudus Regency, it was shown that (1) the delivery of information services for further studies was not based on need assessment, class with lecture method, (3) information about further studies delivered in pamphlet/leaflet. Referring to the findings of Ekasari study (2015) career information services that have been carried out in the field there are still many shortcomings, including the implementation, carried out with conventional, using lectures in service delivery, so that students do not understand the material provided. Korida (2013) found information services that are still traditional in nature using lectures, reducing student interest in attending services because they are bored and saturated.

In information services, there are several techniques, one of them is through the media. Submission of information can be done through certain media such as teaching aids, written

media, picture media, posters, and electronic media such as radios, tape recorders, film, television, internet, etc.

Tohirin (2013) the use of media in guidance and counseling should not be separated by paying attention to the development of existing technologies, such as the internet, computers, films, etc. The rationale for developing this information service supported by Adobe Flash is the development of increasingly sophisticated technology and the availability of computer laboratory facilities and computer and laptop facilities that are available and utilized for guidance and counseling services in Senior High School. Guidance and counseling media is one means that can facilitate the implementation of guidance and counseling services. Helping counseling teachers/counselors in delivering guidance material. The content of service material can be modified to be more interesting so that it is easy to understand, difficult material goals will be easy, the atmosphere of providing information services is fun. This is in line with the opinion of Babiker (2015) utilizing multimedia as an effective tool in education.

A motivation for the further study is a force that drives a person as a driver to continue their studies to a higher level. Uno (2012) motivation is the basic drive that moves a person to behave. Motivation is a force that encourages someone to do something to achieve goals. In a person, there is a determinant of behavior that works to influence that behavior. These determinants are motivations or driving forces of human behavior. Motivation is power, but it is not a substance that can be directly observed. But it can be done by identifying several indicators, according to Uno (2012) the existence of ideas, a good environment. Endurance, tenacity, and ability to deal with obstacles and difficulties to achieve goals, level of aspirations, level of achievement qualifications, the direction of attitude. Makmun (2009) high motivation for the further study is one of the basic capital of students in achieving goals/aspirations in hopes of getting a better life. If the motivation of the study continues to be low, it is very possible not to take higher education. A motivation for the further study is a force that

drives a person as a driver to continue their studies to a higher level. If students who have a motivation for low-level studies are not handled it will affect the achievement of national education goals, so that it will hamper raising the nation's level, especially in education and in reaching 35 percent of the target of 2015 tertiary education will be hampered.

Further study information, which in its development utilizes Adobe Flash media, not the development of Adobe Flash media itself. In this study utilizing Adobe Flash media using Adobe Flash CS5, software is packaged in the form of a compact disk (CD) and USB flash disk. The use of Adobe Flash media is supported by research conducted by Vitanti (2015) which results that student learning motivation has increased after being given audio-visual based learning using Adobe Flash CS6. Adobe Flash CS5 software contains multimedia elements such as video, audio, animation, text, hyperlinks that can be run on a computer. Fitriana (2014) the menu and material feature a combination of text, video, animation, images, colors, and background music/voice narration as needed to facilitate students' understanding so as to generate positive enthusiasm to continue in the presentation of the material, therefore Adobe Flash is considered appropriate as a learning media. Utami (2015) information services assisted by Adobe Flash media are able to improve communication skills and understanding concepts towards learning materials. Irfani & Slamet (2013) the use of Adobe Flash media can improve cognitive abilities in children.

Widada (2010) flash is software to create 2 dimensions that are usually used for various purposes on the internet. Flash is not only used in making animations but nowadays flash is also widely used for other purposes such as in making games, presentations, building web, learning animations, even in filmmaking. Dunwell, Lamerias, Freitas, Petridis, Hendrix, Arnab, & Star (2014) supports this view that approaches that use multimedia as an approach to getting career guidance. The results of Setyawan & Wibowo study (2016) show web-assisted career information about further studies to tertiary

institutions that are suitable for high school teachers and students.

Dunwell, Lamerias, Freitas, Petridis, Hendrix, Arnab & Star (2014) supports this view that approaches that use multimedia as an approach to getting career guidance. The results of Setyawan & Wibowo study (2016) show web-assisted career information about further studies to tertiary institutions that are suitable for high school teachers and students. This is the basis for researchers that information services assisted by adobe flash media are effective to increase motivation for further student studies.

## METHODS

This study uses one group post-test – post-design, with a purposive sampling technique that is class XII students, Public Senior High School 1 Jekulo, Kudus Regency as the subject of research involving 8 students who have further low study motivation. The study used one research group where before the treatment was carried out, the researcher conducted a pre-test to find out the initial conditions of further study motivation. Then the researchers gave treatment information guidance services for further studies assisted by Adobe Flash media as many as 6 meetings. The last step the researcher conducted was a post-test to find out the final condition of motivation for the further study of students.

The content contained in this media to achieve six indicators consists of six menus of information material, including material: steadfastness, tenacity, ability to face obstacles (figure 3), the existence of attractive ideals (figure 5) the level of aspiration to be achieved with activities carried out (figure 6), level of qualification of achievement or output produced (figure 7), attitude toward the target activities (figure 8), the existence of a supportive environment (figure 9) and each material menu accompanied by a motivational video playback menu.

This media using Adobe Flash CS5 software is packaged in the form of a compact disk (CD) and USB flash disk to make it easier for

counselors who use media guidance to adjust the infrastructure owned by the school.



Figure 1. Main View



Figure 2. Display 6 Material



Figure 3. Menu Material Fortitude, Tenacity, Ability to Face Obstacles



Figure 4. Display of Video Playback



Figure 5. Interesting Menu of Dreams

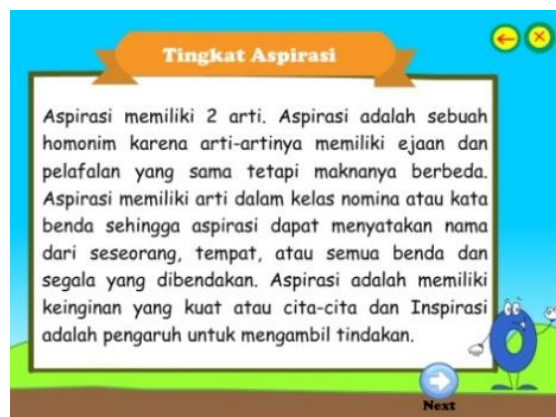


Figure 6. Aspiration Level Menu

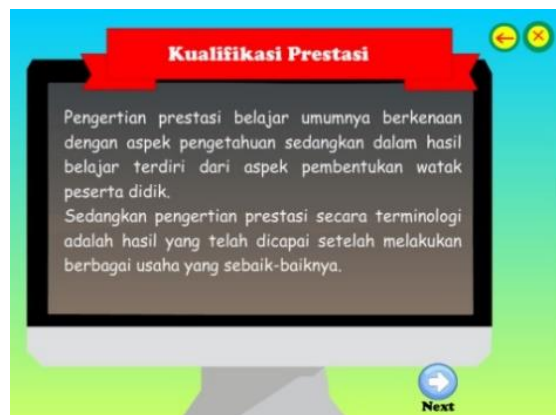


Figure 7. The Menu of Achievement Qualification Level

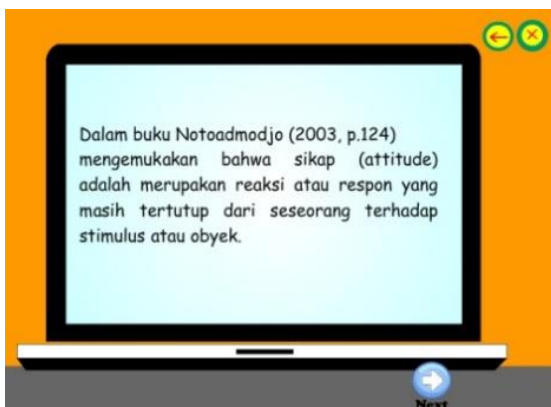


Figure 8. Attitude Direction Menu

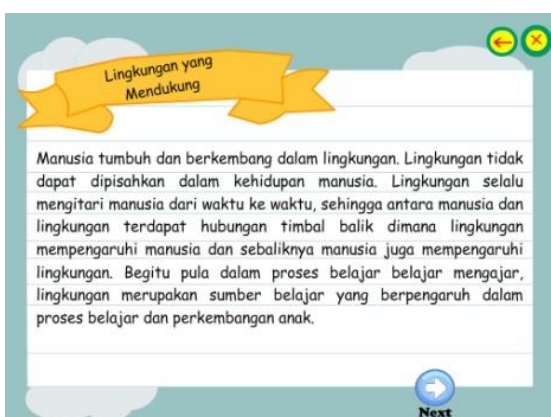


Figure 9. Supporting Environment Menu

The data collection technique used in this study was using a 72 item advanced study motivation scale. Based on the validity test, it is known that all items on the motivation scale for further studies are valid. The results of the reliability test showed a further study motivation scale with an alpha formula having a coefficient of 0.96.

## RESULTS AND DISCUSSION

Analysis of the results of the pre-test average motivation for the further study of students was 94.25 (SD = 6.29), while at post-test the average was 294.25 (SD = 9.57). In table 1 can be seen the difference in the average value of the pre-test and post-test which indicates a change in motivation for further study students increase higher after getting information services further studies assisted by Adobe Flash media.

In harmony with the measurement of pre-test and post-test results, it can be seen that

there is an increase in motivation for further student studies. It means that information services assisted by Adobe Flash media are effective in increasing the motivation of further study of high school students. The results of the t-test analysis, the paired sample t-test, confirmed that information assisted by adobe flash media could be applied to increase the motivation of further study of Senior High School students ( $t_{(7)} = 51.396, p < 0.01$ ).

Table 1. Changes in Meaning of Further Study Motivation

Assessment	M	SD
Pre-test	94.25	6.29
Post-test	294.25	9.57
t	51.396	
p	< 0.01	

Information on further studies assisted by Adobe Flash media which incidentally is information that applies aspects of further studies assisted by Adobe Flash media in its activities, which in this study were used to develop motivation for the further study of high school students. Information on further study assisted by Adobe Flash media is able to develop the motivation of further study of students by having fortitude and tenacity, attractive ideals, positive levels of aspiration, level of achievement qualifications or good outputs produced, the direction of attitudes toward targeted activities, the environment which supports the emergence of further study motivation.

This is reinforced by Budiyo (2016) the results of his research show that information on interactive multimedia-assisted further studies has proven effective in increasing students' understanding of the world of higher education. Liza & Rusandi (2016) plan career students very well after being given further study information services. As stated by Fandini (2018), explaining Adobe Flash as an information service for specialization in high school advanced studies and the equivalent category is very good and declared to meet acceptability criteria. Adobe Flash CS5 is one of the most popular animation software and has been recognized for its sophistication. Complete facilities and extraordinary ability to create animations, make

this software widely used by flash animators, because its existence is really able to help and facilitate users in completing work, especially animation and presentation work (MADCOMS, 2012). Supporting that opinion, Setyawan & Riadi (2013) suggested that learning using adobe flash can help the learning process in students and can be used as an educational tool to support learning.

In this adobe flash media, using a computer software CD as an option. This media contains several menus of material about further study motivation along with interesting video screenings to find out how far students' knowledge about further study motivation information. The counselor can choose the menu that will be opened in the guidance process, and this gets a pleasant response from the students. The results of expert and practitioner validation show that information on further student studies that have been designed is appropriate for use in school.

This information media assisted by adobe flash media is more attractive to students' attention and interest in taking part in guidance, which contains more complex motivational study material, provides benefits for counselors as guidance implementers because it has more interesting material that is easy to understand, information atmosphere becomes fun.

## CONCLUSION

This research was conducted to improve motivation for further study in higher education in students of class XII of Public Senior High School 1 Jekulo, Kudus Regency through information services for further study assisted by Adobe Flash media. The results of this research show that the advanced study information service assisted by Adobe Flash media can significantly increase the motivation of further study to student colleges. This is based on the acquisition of pre-test and post-test scores on the motivation scale of further study of students after being given assistance (treatment) by researchers through advanced study information services assisted by Adobe Flash media.

School counselors are advised to implement further study information services assisted by Adobe Flash media because the Adobe Flash media after being tested has proven to be effective in increasing the motivation for the further study of students to college. For further researchers, it is expected to perfect this research by completing material related the talents and interests for further study of students.

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