

Model Development of Mobile-Based Guidance and Counseling Services (Android)

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ABSTRACT

This study aims to develop a mobile-based (Android) model of guidance and counseling services. This research was conducted using a Research and Development (R&D) approach. Collecting data used a self-esteem scale. From the preliminary data, the researcher found that junior high school students in Semarang needed a cellular-based (android) model of guidance and counseling services. Findings in this study, concluded that so far counseling has several limitations in frequency, material, quantity between counselors and counselees due to limited time and energy so that it is expected that through this media as a solution to provide android-based guidance and counseling services.

Keywords

Guidance and counseling services, cellular based (Android)

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Introduction

The current wave of globalization, the attention and communication of parents, teachers and children are often less awake because some parents only pursue the necessities of life without thinking about success in fostering children, the flow of communication and information that is increasingly fast and sophisticated is not only beneficial, but also has a negative impact thus threatening family and state life.

The quality of an education is inseparable with a number of media that can be used as a means of communication and delivery of information both electronic like cell phones, internet, television, radio and print such as newspapers and magazines. Mobile phones are currently the most popular media by the public because of its many advantages compared to other media. Mobile phones have a type of operating system that greatly influences performance. The most popular operating system android.

Research conducted by Sundar (2013) found that social media hinted at the level of self-esteem of the account owner. The results of his research show that social media users with various activities in cyberspace show an accurate picture of themselves. Social media users with low self-esteem tend to worry about what other people post about them on social media, they will spend more

time on social media by monitoring content, removing posts that get negative responses from others.

In the field of education, the need for a concept, teaching and learning mechanism and IT-based guidance and counseling services are inevitable. One of them is online guidance and counseling, this is quite effective if the problems faced require immediate to be eradicated while there is no opportunity or constrained distance to be able to do face to face, online guidance and counseling makes alternative alleviation of problems (Ifdil, 2013). The use of information technology, including the provision of inexpensive facilities, the seriousness of the counselee in guidance and counseling is uncertain, the information received by the counselor is limited, the neglect of emotional factors, and allows for the emergence of distance between the counselee and counselor both physically and psychologically. The code of ethics that applies in the guidance and counseling profession must be observed by the counselor not to happen things that are not desirable (Nakhma'ussolikah, 2017).

Technology has contributed many conveniences as well as new ways of doing daily activities (Ngafifi, 2014). Changes and rapid progress of the rate of development of the times from time to time which has given birth to a lot of super sophisticated technology that has been

spread in all directions through various media as a liaison information on the progress of these developments. But the sophistication or progress that raises new things from the patterns of behavior and variety of human thought.

Bastemur, S., and Bastemur, E., (2015) stated that the growth in the use of technology will create opportunities for counselors to provide online guidance and counseling as an alternative to traditional assistance, the development of university-based cyber guidance and counseling certificate programs through the continuing education department of social work faculty graduates, offer experienced face-to-face counseling training in the form of e-mail, cyber guidance and counseling and this is very much needed in the future.

With a counseling service approach, making a counselor will understand and know clearly, the problems faced by students. Today's development of the role of counselors is also demanded to be able and able to dominate the world of science and technology in order to facilitate the provision of services as well as material, here is the role of technology in guidance and counseling. Distance and time are not barriers to communication, and cyber guidance and counseling. counselor starts using media that is able to support the needs of the counselee.

Cellular-based guidance and counseling services (Android) are designed for guidance and counseling services, especially related to problems faced by students. Of course, implementing an electronic-based guidance and counseling service requires good planning and management. Its application in the guidance and counseling service process requires preparation between infrastructure, the quality of human resources, funding, materials, management systems and last but not least is the acceptance of teachers, students and users

Method And Discussion

This research was conducted using the Research and Development (R & D) approach, this approach was chosen to be able to meet the research objectives, namely to obtain the

development of cellular-based guidance and counseling services (android) in Semarang.

Borg and Gall (1983) explains that: Research and development is an industry-based development model in which the findings of research are used to design new products and procedures, which then are systematically field-tested, evaluated, and refined until they meet specified criteria of effectiveness, quality, or similar standards.

The instrument used in this study to measure student interest was compiled by Rosenberg in 1965, in a statement item using a Likert scale with four criteria. The instrument validity test results state that the item passed the validation test with an alpha coefficient.

This type of research is research (R&D). Borg and Gall explained that research and development is an industry-based development model where research findings are used to design new procedures and products, which are then systematically field tested, evaluated, and refined until the product meets certain criteria of the same effectiveness, quality, or standard conceptually, the research and development approach includes 10 general steps (Borg and Gall, 1983) including:

The first step, research and information collecting this step is the study of literature relating to the problem being studied, field observations, and preparation to formulate a research framework. After the information can be shown factually, it then collects information that is used as material to compile the product. Hopefully the product can be used as a solution to the problem.

Second step, of planning this step is to formulate skills and expertise related to the problem, determine the objectives to be achieved at each stage, and if possible or necessary to carry out a feasibility study on a limited basis. Third step develop preliminary form of product Develop the initial form of the product the consulting service will produce included in this stage are the preparation of supporting components, preparing guidelines and manuals and evaluating the feasibility of supporting tools, the final results of research and development activities are in the form of new product designs, complete with specifications. The design of this method is still hypothetical, meaning that its

effectiveness has not been proven and will be known after conducting tests.

Fourth step preliminary field testing Included in this stage is to conduct initial field trials on a limited scale. In this study carried out through design validation. Design validation is a process of activities to assess whether the product design, rationally will be more effective than the old model or not. Product validation can be done by presenting several experts or experienced experts to assess the new product that is designed/often also referred to as model readability. Each expert is asked to rate the product, so that its strengths and weaknesses can be identified.

Step five play product revision After the product design has been validated through discussion with experts and practitioners, weaknesses will be identified. These weaknesses are then tried to be reduced by improving the design. The sixth step is playing the main field testing with the aim of getting information whether the new product is more effective and efficient than the old product. The results obtained from this trial in the form of an evaluation of the achievement of the trial results were compared with the control group. In general, this step uses an experimental research design.

The seventh step operational product revision make improvements or improvements to the results of wider trials. Step eight operational field testing the purpose of this step is to determine whether a product that is developed is truly ready for use in the field without having to be briefed or accompanied by researchers / product developers. The ninth step final revision products make final improvements to products that are developed to produce the final product (final).

The tenth step of dissemination and implementation of the final stages of research and development is to disseminate products that are developed to the public or the wider community, especially in the education arena. The main step in this phase is to communicate and disseminate product findings, both in the form of research seminars, publications in journals, and stakeholder exposures related to research findings.

From preliminary data the researchers found that junior high school students in

Semarang needed a model of guidance and counseling services based on cellular (android). This need was demonstrated from observations and interviews with school counselors in junior high schools in Semarang which agreed that the development of a guidance and counseling service model was needed. which is cellular media (android). Therefore, the results achieved in this study are the products in the form of guidance and counseling services that are assisted by cellular media (android). The product of this study did not reach the stage of dissemination and implementation, but only reached the revision of operational products (product revisions) through limited effectiveness.

In addition, to measure the effectiveness of individual counseling and guidance service models with cellular (android) media in Semarang City, the design used by researchers was the design of a pretest-posttest control group. In this design there are two groups. The initial evaluation in the first group (experiment) is done before the service media is given and the final evaluation after the service media is given to students. While in the control group no media services were provided but they were still given a pretest and post-test. The intended treatment is the effort made by the counselor to develop an interest in guidance and counseling with school counselors.

In this study, researchers took research samples from junior high school students throughout the city of Semarang. Determination of samples for mentoring and counseling teachers or counselors who most often provide guidance and counseling services in schools. Counselors will be provided guidance and counseling services assisted by the application of mobile media guidelines (Android). Furthermore the determination of student samples is based on the results of the acquisition of the instrument (scale) which is a pre-test or initial evaluation given to junior high school students in the city of Semarang.

Conclusion

Based on the findings in this study, it can be concluded that the guidance and counseling services so far have some frequency limitations between counselor and counselee because of the limited time so it is hoped that through this

application media can help and solutions in handling guidance and counseling services in schools.

This research provides advice to related parties, including (1) Teacher Guidance and Counseling, this study provides additional knowledge to apply guidance and counseling services that use application media in dealing with students everyday, because it is equipped with procedures (2) The results of this study can be used as material for consideration and reference for further research to improve various existing limitations, it is advisable to develop into other schools and follow-up or follow-up in monitoring the impact of the use of media application services in guidance and counseling.

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