Proceeding
The 1st International Conference of Vocational Higher Education (ICVHE) 2016

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Proceeding

CVHE
The 1st International Conference of Vocational Higher Education

Depok, November 8, 2016
Auditorium of Vocational Education Program – VC Building

Vocational Education Program
Universitas Indonesia
Greetings from Indonesia!

Distinguished guests, respected keynote and invited speakers, presenters, participant ladies and gentlemen. I would like to thank you for taking your precious time to participate in the 1st International Conference of Vocational Higher Education "Innovation on Vocational Higher Education" at Vocational Education Program Universitas Indonesia, Depok, Indonesia.

First of all, please allow me to express my sincere appreciation for:
- Rector of Universitas Indonesia;
- Director of Vocational Education Program Universitas Indonesia;
- Keynote speaker Prof. Mingchang Wu, and
- All presenters and participants

I welcome all of you and hope that this International Conference of Vocational Higher Education will serve as a catalyst for researchers to exchange results and information in various areas that Vocational Higher Education covers, and to facilitate the sharing experiences and the building of research networking.

Vocational Higher Education is a unique institution. There are various disciplines of applied science that studied. It's an honor for us to be able to unite all researchers from different disciplines who are interested and concerned with the development of Vocational Higher Education.

This conference cannot be established without the full support of Direktorat Riset dan Pengabdian Masyarakat Universitas Indonesia, that have been focused and continued to improve vocational higher education and research in order to make Universitas Indonesia become a world-class university.

I strongly hope that all of the distinguished guests and all participants gathered here today will offer your generous support and encouragement for the successful of the 1st International Conference of Vocational Higher Education.

Last but not least, I am thankful mostly for the endless efforts of steering and organizing committee members.

Have a very successful conference. Thank you.

Warmest regards,

Dewi Kartika Sari, S.E., Ak., M.S.Ak., C.A.
Assalamualaikum Wr Wh

Salam Sejahtera,

Distinguished guests, respected colleagues, ladies and gentlemen,

Good Morning.

We are honored and delighted to welcome each of you for attending the 1st International Conference on Vocational Higher Education. It is the time successfully to wrap up a year's work. Considering just how busy you all must be, thank you very much for taking your precious time to participate in our International Conference.

In particular, I would like to extend my gratitude to distinguished guests from abroad. First of all, please allow me to express my sincere appreciation for our keynote speaker: Professor Ming Cheng Wu, Dean College of Humanities and Applied Science, National Yunlin Science and Technology., Rector of Universitas Indonesia, for all support. All respected reviewers, Steering committee and Organizing committee for all works dedicated to this conference.

Government, in recent years have continued to promote the Three A3G (means academician, Business and Government link, in local developing Innovation; Internationalization; and Interdisciplinary applied research). Today's conference is a very meaningful event where we can share experiences of the vocational philosophy with representatives practical cooperative relationships within scholars.

Last but not least, I strongly hope that all the distinguished guests gathered here today will offer your generous discussion and encouragement for the successful on conference.

Once again, I am most grateful for your participation and support. Thank you very much.

Yours sincerely, Dr. H. Sugih Prasowo Hadiwardoyo, DEA

Director of Vocational Education Program Universitas Indonesia
Greetings,

We are honored and delighted to extend a heartfelt welcome to each of you for attending the International Conference of Vocational Higher Education (ICVHE) 2016 in Depok, Indonesia.

ICVHE is a prestigious event organized with a mission to provide an excellent international platform for the academicians, researchers and budding scholars around the world to share their research findings and to find international linkage for future collaborations.

International conference of vocational higher education is part of our events in Universitas Indonesia. Since early 2016 almost 20 conferences already held by faculty and research centre.

Without the dedication of people involved in organizing this year’s ICVHE 2016, it would not be possible to make another success of it. We would like to extend special words of gratitude to all contributors to the conference program, keynote speakers, our sponsors, and especially the conference staff. We are looking forward to and intellectually stimulating conference, thoughtful discussions, and an engaging experience with fellow attendees.

With sincere wishes for a wonderful conference from ICVHE 2016.

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Communication and Media Studies

COM
The Learning Media Development in the Family for the Prevention of Drug Abuse In Children Aged 9 until 13 Years Old

Lutfi Amalia
ShintaDioriz, M.S.E., M.Pd.
Tarina, M.Pd.

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Indonesia

The purpose of this study was to produce a web-based learning media on drug abuse prevention for children aged 9 until 13 years old, which can be used by parents as one of learning media of drug abuse prevention for children aged 9 until 13 years old.

The research and development (Research and Development), which includes preliminary research, planning, designing early stage, revision of the main product, field trials major product revision operations, field trial revision, dissemination and implementation of the product. This research target is the parents of SMPN 103 Tangerang Sekolah 15 a.m. aged 9 until 13 years old. The research products are reviewed by 1 content expert, 1 material expert, and 1 instructional design expert.

The test results on the Learning Media in the Family for the Prevention of Drug Abuse in children aged 9 until 13 years old has significant differences between the learning outcomes of respondents using the learning media. The T test results on the hypothesis of \( t_{\text{test}} = 51.16 > t_{\text{table}} 1.75305 \) is significant. It can be concluded that the learning media for drug abuse prevention in children aged 9 until 13 years old can increase knowledge of parents.

Development of Drug Abuse Prevention Media in the Family, Children Aged 9 until 13 Years Old

In the smallest group unit of society. The family consists of father, mother and children. The family has eight main functions: namely religious function, social, cultural, economic, educational, socializing and environmental development. If these functions do not go well, it will cause disharmony in the family and might lead to a deviant personality.

Children aged 9 until 13 years old have high levels of impulsiveness and high energy, if the main function of the family does not go well, the child will feel free to express any behavior that he wants. This is because the primary function of the family is guidance from parents to children and develop pleasant personality.

Development will have a positive impact on psychological and social development. The child will learn to assess and select any behavior that is good for him. Conversely, if the main function of the family does not go well, then the child would not have a good personality. This will have a growth and development of psychological and social development as deviant
Some examples of deviant behavior in children are smoking, stealing, drinking, drugs. Drugs is an acronym for narcotics, psychotropic and other addictive substances. The effect of addiction, damaging nerves in the brain and can cause death (Pastika, 2008 : 27).

Drug abuse among children aged 9 until 13 years old today is very worrying. Results of a national survey of the National Narcotics Agency of the Republic of Indonesia show that the number of drug abusers among school-aged children is 27.52% of the population of children aged 9 until 13 years old in Indonesia. It is estimated that the number of users will increase from in 2008 to about 5.1 million people in 2015 if prevention, mitigation and eradication of illegal drugs are not done as effectively as possible (BNN, 2015 : 1).

According to the facts of drug problems in children aged 9 until 13 years old in Indonesia, 95 elementary school students in the city of Bekasi got involved in the use of narcotics during 2010, as many as six out of 8,100 children of primary school age in Jakarta province. BNPN SUMUT found a student in grade 5 of elementary school in the neighborhood of Jalan Siara, has been using methamphetamine, and children aged 13 years old at Edinburgh have been using methamphetamine, marijuana and drugs that are intended for people who are ill (BNN, 2015 : 1). Children aged 9 until 13 years old are introduced to drugs initially through food, drinks, etc. by drug traffickers. This resulted in the child will be addicted to food, drinks, candy or powder from the drug dealers. If a child is already addicted, he wants to continue to buy the food, beverages have been mixed with a drug then, he will try other type of drugs.

Children aged 9 until 13 years old who had started to try to smoke also one of the factors that could affect children from abusing drugs. The content of the nicotine contained in cigarettes can be addictive substances other than drugs that make children addicted. So that the child want to try drugs by using other types of drugs.

According to data from Pondok Pesantren Nurul Jannah (2015) one of the drug users in the West Cikarang, drug addicts aged 9 until 13 years old who use drugs types of substances are in rehabilitation as many as 10 people. The use of excessive glue aicaihbon in the activity of children aged 9 until 13 years old were carried out without parental supervision can also cause children to abusing drugs. Glue aicaihbon is one addictive drug ingredient that can damage children. Usually children addicted to glue aicaihbon for children interested in inhaling the characteristics continuously aicaihbon (BNN, 2005:29).

Drug abuse is a problem of social behavior, so it needs the provision of information and education that should be supported by the efforts of education to children aged 9 until 13 years old to change the behavior and mindset of children. So that children grow into a more mature and responsible in drugs abuse. Finally, drug abuse among children aged 9 until 13 years old will be reduced if for drugs stopped or reduced, then the stock will be reduced, including market (Panah, 2005:1).

Educational efforts for children 9 until 13 years old in families on the prevention of drug abuse to be maximized through the medium of learning in the family. Learning media is a tool to convey knowledge or learning materials. Learning media has a function to facilitate parents in providing learning, which is
One medium of learning in the family can be a web-based learning media. Web or also known as E-Learning is one kind of application of electronic learning (E-Learning) by utilizing the Internet to communicate and deliver learning information.

The Internet is a network that consists of millions of computers, including the local network, which are connected through channels (satellite, telephone, cable) and its reach spans the globe. There are two advantages of web-based learning, namely freedom platform and classrooms. Thus the web-based learning has high flexibility to change the setting, structure, and content according to the needs and characteristics of users and the ease of access to learning that can be done anytime and anywhere when connected to the Internet.

Based on the above mentioned problems, the researchers are interested in creating a web-based learning media development for the prevention of drug abuse in the family in children aged 9 until 13 years old.

Methodology

The research was carried out at SDN 15 PagiSrengsengSawah, South Jakarta. This site was chosen because students and parents are already using the gadget as a learning medium. The research was carried out for 3 months starting from October 2015 until February 2016.

The procedure for developing the media are to use the development model of Brophy and Gall, the following research, planning, product design, testing early stage, revision of the main product, field trials, product revision operations, field trials operations, final main revision, dissemination and implementation of the product.

Target products involved in this study consisted of two groups of respondents, a group of children aged 9 until 13 years old and a group of parents / guardians of the students. This product is reviewed by one expert material, and one expert instructional design. While acting as targets tested in this study are the parents and children aged 9 until 13 years old in SDN 15 PagiSrengsengSawah. This is because parents and children aged 9 until 13 years old in SDN 15 PagiSrengsengSawah have already been using the internet as a reference of knowledge in learning. Respondents consisted of 10 people who are in the stage of preliminary investigation, three people in the early stages of the trial, eight people in the main product phase, and 15 people in the operational field test phase.

Result and Discussion

The effectiveness of web-based learning media is done by using T test (t test). T test (t test) was conducted to 15 respondents (1C - 3C and 1D - 12D) conducted in respondents' homes by providing web-based media regarding the prevention of drug abuse in children aged 9 until 13 years old and to 15 respondents (1E - 15E) by providing learning materials drug abuse prevention in children aged 9 until 13 with a lecture. So the researchers can tell whether there is a significant difference or not, learning was obtained from respondents by using web-based learning media.
Based on the calculation of T test, obtained a score of answers among respondents 1E - 1E and 1D - 12D with X code numbered 254 and the respondent is given a code 1E - 15E Y totaled 244. There were the number of D (difference) that is 10 and D² 100. So we get a score of 51.16 t and t score table 1.7708, since the data was significant because t is greater than t table. The conclusion is, there are significant differences between the learning outcomes of respondents regarding the prevention of drug abuse in children aged 9 until 13 years old using web-based learning media and use the lecture.

4. Conclusion

This study discusses the development of web-based learning media. Researchers trying to create learning media appropriate to provide knowledge about the prevention of drug abuse in the family for children aged 9 until 13 years old. This is motivated by, first the lack of parental knowledge about the knowledge of drugs and how to prevent drug abuse, lack of information about drugs and drug abuse prevention methods. Based on preliminary research on the initial information gathering stage, it was concluded that older people need a web-based learning media in order to motivate and help participants' study of drugs and drug abuse prevention.

The web-based learning media can be accessed offline or localhost containing the material concerned drugs, types of drugs, the effects and dangers of drugs, prevention of drug abuse in the family, diagnosis and the effort to do the parents if the child is exposed to drugs along with the purpose of learning. Development of web-based learning media development model Borg and Gall which has been put through the product development of learning. This is because the model is effective, has steps that are clear, relevant and appropriate to develop learning media.

Media Web-based learning has gone through the stages of trial products include: test model stage (subject matter experts, media specialists, 3 respondents and parents), field trials primary (9 respondents), 3 respondents and parents), field trials operations (subject matter experts, media experts, 15 respondents use the lecture). Based on the results, it can be stated media web-based learning is effective in attracting motivated parents. Media can help improve the knowledge of parents regarding the prevention of drug abuse in the family. It is shown that the knowledge of parents regarding the prevention of drug abuse in the family. It is shown that the knowledge of parents regarding the prevention of drug abuse in the family.

5. Implications

Media use web-based learning can be applied in drug abuse prevention dissemination within the scope of the family. This web-based learning media can be used to support teaching, but it can also support the growing quality of educator / educators and learners in the learning media. If use was done properly it will create a learning process that is effective and efficient, and to achieve the learning goals.

The use of web-based learning media as a medium of learning is an instructional model. This web-based learning media can also be a self-learning media for anyone who wants to learn about the prevention of drug abuse in the family for children aged 9 until 13 years old. Results of research and development is expected to be followed by further research in the future.

6. Suggestions

Suggestions for researchers who will conduct research and development among others:
Based on the calculation of T test, obtained a score of answers among respondents 1E, 1E is 45.54 while 1E is 45.542. The value of t value of D (difference) that is 10 and D is 160. So we get the score of 51.16 t and t score table. The data was significant because t is greater than t table. The conclusion is, there an significant difference between the learning outcomes of respondents regarding the prevention of drug abuse in children aged 9 until 13 years old using web-based learning media and use the lecture.

4. Conclusion

This study discusses the development of web-based learning media. Researchers recommend learning media appropriate to provide knowledge about the prevention of drug abuse in children aged 9 until 13 years old. This is motivated by, first the lack of parental knowledge of drugs and how to prevent drug abuse, lack of information about drugs and drug abuse prevention methods. Based on preliminary research on the initial information gathering stage, it concluded that older people need a web-based learning media in order to motivate and study of drugs and drug abuse prevention.

The web-based learning media can be accessed offline or localhost containing the information on drugs, types of drugs, the effects and dangers of drugs, prevention of drug abuse in children aged 9 until 13 years old, and the effort to do the parents if the child is exposed to drugs. Along with the product development model of this web-based learning media development model Design and Build which includes the data collection, plan, and development of the product development of learning. This is because the model is effective, has step by step guide, and appropriate to develop learning media.

Development of web-based learning media has gone through the stages of trial product reviews (subject matter experts, media specialists, 3 respondents parents), field trial, product trials operations (subject matter experts, media experts, 15 respondents media users), product testing. From the results, it can be stated media web-based learning is effective in attracting learners, can help improve the knowledge of parents regarding the prevention of drug abuse in children aged 9 until 13 years old.

5. Implications

Media use web-based learning can be applied in drug abuse prevention education within the scope of the family. This web-based learning media can be used to support drug abuse prevention education but can also support the growing quality of education. The use of web-based learning media was done properly it will create a learning process that is effective, and efficient in achieving learning goals.

The use of web-based learning media as a medium of learning is an innovative learning media in the prevention of drug abuse. This web-based learning media can also be a self-learning media if children want to learn about the prevention of drug abuse in the family for children aged 9 until 13 years old.

Results of research and development is expected to be followed by further research on web-based learning media with the addition of technology to the presentation of drug abuse prevention education.

6. Suggestions

Suggestions for researchers who will conduct research and development among others:
Main learning media and select aspects of drug abuse prevention with other perspectives.

It should be studied further, what about the impact of media use web-based learning to the application of drug abuse prevention in children in their respective families.

In subsequent research, it is advisable to do a different test, test for normality and homogeneity test.

Bibliography

Information are derived from the Book:
