# The Development of Tutorial Methode based on Web Facilitated in the lecturing of Dance Art study of Primary school Level

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## Abstract

Tutorial methode based web facilitated is a Development product of Art Dance study for Primary school, in which by using conventional methode through directly lecturing. This research has strong purpose to recognize the lecturers and stucents need face on the tutorial methode web facilitated for thew study of Art Dance in Primary School Level. Not only that, but it also be used to make trial and error effectivity through the using of tutorial methode web facilitated for primary school level. This Quantity research, by Research and Development. The model development that has been used is an adaptation model of Dick and Carey (1990). The research has done by limited experiment. The data is taken by dealing the interview, research, observation and the result study. The data analyzing for effectivity methode as statistical analyze T. The data analyze and discussion can be resumed in importance points. ***The first***, the analyzing needs preface about the study of Primary Art Dance with the tutorial methode web based facilitated : it is crucial needed for developing Art Dance study,which can increase the students creativity, the chance of Independent learners and enlarge the students knowledgement. ***The second*****,** the development result, such as : web study of Art Dance Primary school with tutorial methode, lecturers handbook and university students guidance book. ***The third***, The research result shows the differences of the significance result study between Controllers group and Experiment, so it can be resumed that the web facilitated of this study proofed a valid and effective to increase the university students result study, especilly Bachelor Degree of The Education of Primary School Teachers.

**Keywords**: *tutorial methode*, *web facilitated*, *The study of Dance Art for primary school*

## INTRODUCTION

S1 Educational courses of Elementary School Teacher (PGSD) State University of Malang are aimed to deliver graduate teachers of Elementary School which is competent. Mastering all fields of study needed as an Elemntary School teacher, including art. S1 student of PGSD competence is supported by the presence of the compulsory subject, one of them is the subject of the expertise work of art, which includes the subject of learning the art of dance for Elementary School. The prospective teachers will be educated to be able to give the knowledge about art, based on the nature of the art's function in Elementary School.

On KTSP curriculum of Art and Culture is also mentioned that at the minimum level the classroom teacher gives one branch of art which is adapted based on the background of the school. S1 of PGSD institution is aimed to publish a classroom teacher instead of teacher of a certain subject. It means that there is no demand that the art teacher has to master all branch of art and teach it to the students, while the basic competency courses that must be met by the S1 student of PGSD is mastering the basic substance and methodology of art science that support the learning process of the art of dance in Elementary School. The college student is forced to master the theory and the practice in the art of dance. It is considered to make a gap between the goals of PGSD institution as an institution which published an Elemntary School teacher with the goal of subject. The goal of learning the art of dance subject is based on the mission of KSDP department State University of Malang, to supply the PGSD student with all field of expertise so that they are really competence. S1 graduates of PGSD, State University of Malang, are expected to be able to full fill the school's need with any backgrounds, so that they are ready to be placed everywhere.

The proportion aspect of the teacher's number and the amount of the college students, at least the amount of the art of dance teacher can encourage the institution and the lecturer for always making an innovation to develop the more effective and efficient learning. The effective and efficient learning is hoped to give provision for the college students to full fill the needs in the reality with the demands of the profession that must be filled, including becoming the art teacher.

One of the solutions is by the dance lecture of Elementary School with web-based learning innovation.

Based on the researcher's experience as a lecture of learning the art of dance subject in Elementary School, also in a preliminary study of lectures by observing and interviewing the college students who have joined the lecture, many obstacles were found in the learning process. Some of the obstacles are less variation method that is used by the lecturer, less of direct experience in exploring the dance movement, the limited time in doing the practice, the lack of instructional media, such as the dance viceo for Elemntary School and also the dance costume.

The selection of the teaching method that has been used less support the characteristics of the subject and also the college student's need. The demands of teacher's professionalism must be innovated in the learning process and must be adapted to the changing times. The obstacles that are met during the learning process caused the quality of the lerarning and the results of the college students are not optimal.

In the beginning of the survey done by the researcher to the implementation of the lectures shows that the learning of the dance of art-drama in Elemntary School that is given as a subject in S1 of PGSD still uses the conventional menthod. The learning process is dominated by the lecturer, which plays the role as the only source of the study, or *teacher oriented*. The condition of the learning the art of dance subject in Elementary School is done by face to face 50% of the material delivery is done by using *verbal* method, where the lecturer teach in the class and give the material to be learned by the college student. Using the personal computer hardware in presenting the material through LCD as the learning media so that the material is in the lecturer himself. The learning of art of dance in Elementary School has not directed to the use Information technology and Communication (TIK).

On the aspect of determining the lecture's time allocation, the time provided is not balanced compare to the basic competence and the amount of learning experiences that must be achieved. It caused the amount of material is not balanced to the time of lectures, so that the level of creativity in the dance of art tend to

lessen, it is proven by the result of the achievement on the college student's grade in one of the lecture indicator that is analyzing and performing the dance of art with the substance of the work study dance, especially in making dance movement for Elementary School's student shows only 15% gets A, 55% gets B, 30% gets C.

Based on the preliminary observation that is done by the researcher also revealed another factor that also caused the less effective of the learning process, such as the condition of the big classes in PGSD lectures. The amount of the lecturers is two and the amount of the college students is 234. The ratio between the lecturer and the college students is 1:117, so that it can be conluded that the amount of the lecturer compared to the amount of the college students is not qualify for learning. The development of learning method must be done from the convenyional one to the modern one using TIK, that is by exploiting the computer network infrastructure that exist in the institution. The learning problems are also seen in the limitation of the media and the supporting facilities. The hand-book, the source of the study just like picture and video are still limited.

The weakness of the conventional learning method can be solved by the availability of the web-based faciliated learning, according to Panen (2007), that " the utilization of web in the learning process is for helping in increasing the mastery of teaching materials which can not be filled in the face to face process."

TIK based learning is by exploiting web begin to be developed. There are many advantages that we get by using web as the learning complement, as stated in the same study. Harmanto (2002), in his study about the development of learning in the subject of study methodology using web, stated that the superiority of web in learning are: (1) web can be accessed by many people in the same time, (2) if it is beingonlined so we can accessed it anytime, (3) if we get difficulty we can ask other college students or to the lecturer bys ending e-mail, (4) *web* is *multitasking*, means that the ablity from the operational system to run more than one program in the same time, (5) it can be used for individual learning, depend on the speed of the learner, (6) web can be mixed with other program, (7) it can be used for distance learning.

The development of *web facilitated* learning can overcome the time limitation by adding the extra time outside the lectura time, college student can Access the leraning material through web, which include text, picture, audio and video. The function of using this tutorial method with web faciliated based is as the complement of leraning process, so that the lectures become more effective. At the end, the conventional method is only used in giving assignment, and the college student can see directly the presentation of the lecture's theory that has been packed up in the web form.

Based on the above description, so the researcher is aimed to, (1) Develop the web-faciliated based tutorial method in the subject of learning the dance of art in Elementary School, based on the analysis of the needs of lecturer and college student. (2) Doing the trial in the efectivity of using the web-faciliated based tutorial method in the subject of learning the dance of art in Elementary School.

**RESEARCH METHOD**

This is a qualitative study using the Research and Development method adapted from Dick and Carey model (1990). The development is consists of nine steps, they are: (1) identifying of the learning goal, (2) analyzing the learning process, (3) analyzing the people and surrounding, (4) formulating the specific goal, (5) developing the assessment instrument, (6) developing the learning strategy, (7) developing the learning material, (8) planning and developing the formative evaluation, (9) revesing the learning process.

The development phase begins by analyzing the needs of lecturer and the college student towards the web-faciliated based tutorial method in the subject of learning the dance of art in Elementary School. The subject for the trial is the S1 student of PGSD in State University of Malang. The data collection is done by doing interview, observation, questionnaire, and achievement test. The data analysis technique is using t test, to find out the efectivity of development product using SPSS 13 program.

## RESULT AND DISCUSSION

The result of the product development includes the learning web, lecturer's guide book, and college student hand-book.

Based on the analysis of the needs, so it can be concluded that the development in a method of learning the dance of art subject for Elementary School that can increase the college student's creativity, increase the opportubity to learn independly with the information technology, and the importance of a learning method that can increase the result of the study especially in the dance of art method is needed.

The result of the research by the material expert, learning technology expert, trial done by a lecturer of the subject the learning of the dance of art in Elementary School and the college student, testing in a small group of college student, and limited test in reality shows that from the product aspect it includes in a good category and very good to be applied, and it can increase the result of the learning process. It is shown by the average of the learning result using the web-faciliated based tutorial method is higher compare to the result of learning using the conventional method. The effectivity trial of this web-faciliated based tutorial method is done to the cognitive learning outcome data and performance. Form the cognitive data the score that obtained from $t_{hitung}$ is 4,585 with the significance is 0,000. Whereas, from the data learning outcome performance, the score that obtained from $t_{hitung}$ is 9,997 with the significance is 0,000. Becaused the significance of $t_{hitung}$ is 0,000 means that it less than 0,05 (sig < 0,05) it means that there is a different mean in the cognitive learning outcome data and performance between the control group and the experiment. Based on the description, it can be concluded that web-faciliated method in the learning of the dance of art in Elementary School is effective enough to increase the college student of PGSD's result of study. Therefore the web-faciliated based tutorial method is valid and effective to be used in learning the dance of art for Elementary School.

The application development of the product in experiment class can increase the college student activity in learning compare to the control class. The web-

faciliated tutorial method for learning the dance of art in Elementary School can be concluded feasible to be used in the lecture. The college student's responses to the application development product are as follow: interesting, it is not boring and the impact is, it can give motivation and a pleasant feeling towards learning so that the college student is willing to use the web in the same kind of learning for the next material of the dance of art subject for Elementary School.

The study of the product development is explained as follow:

***1. Learning- web***

**Web-based Programing Teaching Material Map**

The material in web- based learning is adjusted to web-based teaching material. The mapping program is usually known as syllabus in the face to face learning system. The mapping program is the processof mapping the components in the web-based instructional material and strategy/ procedure that will be used to achieve the learning competency that is expected (Panen, 2007). The mapping program of the learning material in web-based for the learning of the dance of art in Elementary School is divided in the description as follow 1) the subject name, 2) the subject description, 3) competency standard, 4) basic competency, 5) indicators.

The competency standard of the subject is mastering the substance and methodology the baic science of art that support the dance of art learning process in SD/ MI, with the basic competence analyzing and performing dance work of art. The learning indicators that must be mastered by the collge student after using web are: 1) college students are able to explain the dance composition's element, 2) college students are able to review the steps in works of art, 3) college students are able to review the characteristics of work of art for Elementary School, 4) college students are able to create dance movement for Elementary School students.

**Activity MAtrix Tutorial (MAT), Material and Evaluation**

Activity Matrix Tutorial (MAT) is learning design that uses tutorial method. In the face to face lecture system, MAT usually known as RPP. Web-based learning

for work of art learning material is done in four meetings.MAT describes clearly how the process of work of art learning material in every meeting is happened, the learning process sequence, the method that is used, interaction between lecturer and college student, college student's activity and task, learning material that is used, even the test item is included to measure the basic competencies in the achievement of the objectives of the meeting.

The material in the web-based learning of the dance of art is limited on the activities artistic creations, the exact is with the basic competent that is analyzing and performing a dance. The material selection is adjusted to the map program courses. The material is devided into three categories, they are: (1) The basic movement of the art of dance, this material is added as the effort of development, to give easiness to the college student in understanding and practicing the creativity process in composing the dance of art, (2) Composision, is divided into (a) element and (b) composition phase, (3) The characteristic of the dance of art in Elementary School's student, it is divided also into (a) high class, and (b) low class.

The evaluation in the web-based learning is done by using written test in the form of multiple choice and also performance assessment. Multiple choice tests which is developed into 45 test items and it is based on the material limitation that is used in web-based learning in the dance of art for Elementary School. The material limitation that is used include in the basic movement of the dance of art material, composition and dance of art characteristics. The result of the test is used to measure the level of cognitive ability the college student to the learning material in the website. The performance assessment is developed by using five essay ietm with the score range is 5, to measure the psychomotor ability of the college student in creating the basic dance movement that is suitable with the Elementary School student's characteristic.

Kind of web-based learning that developed is web-faciliated, this is because the learning of dance of art in Elementary School subject still uses conventional learning method that must be done by meeting directly in the class to give the art experience directly from lecturer to the college student. The development of web-

based learning product to complete the existing method, it means that the web-based facilitated tutorial is the supporting facility in the lecture. In accordance with the definition of web facilitated by Panen (2007) which confirm that the utilization of web categorized in facilitated in the teaching and learning process is to help the increasing of mastery in teaching material that can not be achieved during the face to face process.

The learning based on web facilitated that developed focus on the definitions of teaching material based on web, is the learning category web with percentage of 1 – 29% , so this web can be use as the complement of learning in the class. Based on the description, from electronic learning that said by Siahaan that divide this function of electronic learning based on web to the learning activity in the class (classroom instruction) become supplement, complement, or substitution. The implementation from function theory of web learning, so the alternative of tutorial method based on web facilitated that can be developed in learning of Art Dance for Elementary School is the function of complement from the material that has been learnt by using conventional method.

The method that applied in teaching learning of dance art in Elementary School also on category of web enhanced course, based on Nurhakim (2007), said that internet can be used as the additional facilities to improve the quality of teaching learning in the class. It can conclude, that web facilitated in improving teaching learning as the complement of it.

At the developing of website learning, the researcher used software joomla. The researcher choose this, because joomla is a free software that can be used to make a simplest web to complicated style. It can modify, delete and add script on the software, with noted the creator and agree the role. The best software is also make the lecturer easy in doing it. Because the lecturer beside as the instructor also as administrator website. Web facilitated facilities in learning of Dance Art in Elementary School consists of material, downloading material, photo gallery, guest book, and exercises.

Tutorial method based on web faciliatated especially for Dance Art, that served not only texts but also pictures, animations, video, audio with hypermedia

method, as Hermanto said hypermedia is not only has relationship between texts, but also pictures, voices, or other data files that can be saved on computer.

Tutorial method that based on web facilitated is used for teaching the material of art creation consists of action tutorial, and base action of dances composition of element tutorial in Elementary School. By using this method, the students can learn the process of art creation step by step, so that they can develop the expression and give art knowledge of dance from the basic until full art creation based on the characteristic of the students of elementary school.

Jazuli (2007) said that an creation activity, student get the experience to create and serve or produce the art creation. In line with that, the main idea is on web learning focused to the experience of art for the students of S1 PGSD. Its materials is education dance, as the Ruth Murray said four categories of Art Experience for the students of Elementary School are: 1) creative action and action skills, 2) ritmic skills, 3) dance developing in individual and group, 4) dance learning, song games and traditional dances.

Tutorial method based on web facilitated can be used to study independently . So that, they can learn it deeply and discuss in the class. Munir said, study independently is the process of learning that based on their ideas, wants, and hopes. Based on the Y Miarso (2005) opinion, about the step of tutorial learning so, tutorial method based on web facilitated developed by giving a chance in the students of S1 to choose the material on the web learning of Art Dance for Elementary School. It looks on visual of menu bar that consist of sub of material that can be choosen by them. So, it can improve their motivation independently without the lecturer. The material that consist of sub of material that can be used by them. Their free of choice come from hyperlink facilities on the web facilitated.

Tutorial method based on web facilitated give many advantages for the students and the lecturers. That is they can develop their flexibility on learning optimally. They can download/ access the material all time, more and more. The second is, they will be easy to consult with the lecturer anytime by web learning. Its different with conventional class, that the students and lecturer must have plasce and certain time.

For the lecturer, are on packing, explaining, and exploring the material based on the future, also it gives feedback easily to the students of S1 creation

directly. Web learning effectiveness and efficiency is determined by the ability of lecturer and students who use, as well as the readiness of students who are taught.

***2. The Lecturer Instruction Book***

The lecturer instruction book is the instruction book that used for the lecturers in using software learning that is website. They are administrator and instructur that maintain website and prepare the material on the website learning so that it can be used for the students of S1 in teaching learning process. This book consist of: 1) Lecturing Description, 2) Teaching Material Program Map based on Web Facilitated, 3) Instruction of Program Installing, 4) Instruction of lecturer operational that is program facility display.

Based on validation result generally, from the experts and lecturer, showed that the product of the lecturer instruction book is good and efficient used for the lecturer instrument in using software learning on website to develop the learning of Dance Art on PGSD. Based on the result of product, it has some revision are 1) add the description of lecturing that explained about identity of lecturing that using of developing web learning, 2) revise the mistakes on typing in the instruction book.

The instruction book is one of the learning program that is important for the lecturers as the instruction of learning to reach the learning goals of Dance Arts Creations on online media. As Gunter said that teacher's preparation in arranging of good learning will help to reach the learning goals effectively.

***3. The Students Instruction Book***

The students Instruction Book that contains of: 1) Lecturing Description, 2) Teaching Material Program Map based on web facilitated, 3) The lecturer operational instruction that contains of program facility display. The students instruction book is really help them to study, as Callahan opinion, is the students instruction book is one of the source of study as the supporter of study process. In line with that, tutorial method based on web facilitated is the new learning for them by using online media.

Based on the evaluation of the experts, the lecturer and small group of the students of S1 showed the product of student instruction book is good and great to use, because it doesn't need revision.

***4. Result of Study***

Based on the result on limitted focus, so the effectively of learning by using the developing product can be showed from the different result of study from

control class and experiment class, so that the research hypothesis is showed thattutorial method based on web facilitates can improve the result of study of the students can be showed.

The effectivity from the application of tutorial method based on web facilitated can be showed from improvement of result of study. It can be showed by test of effectivity of teaching method by using web facilitated that have been done to the result of study cognitive and performance showed the average of result of study by using tutorial method based on web facilitated is higher than average of result of study by using conventional method.

## CONCLUSIONS AND ADVICES

### Conclusion

1. The description of analysis of need about teaching Art Dance for Elementary School by using tutorial method based on the web facilitated is needed to develop a teaching method of Art Dance that can be able to complete of conventional method in the class and improve the students S1 creativity, improve the student time independently by using technology information, and it can be able to improve the result of study of the student S1 especially for Art Dance Material.
2. The model of development that can used is from Dick and Carey (1990) there are 9 development steps. The development product, are: web learning art dance for elementary school by using tutorial method, the lecturer instruction book, and students instruction book.
3. The result of research from the experts showed that from the product is very good, so that it can be used , and can improve the result of study. The average of result of study by using tutorial method based on web facilitated is higher than average of result of study by using conventional method, so that tutorial method based on web facilitated for elementary school is valid and effective to improve the result of study of students S1 PGSD. The different of result of study showed by test of effectivity from cognitive data that comes from the score $t_{hitung}$ is 4,585 and the result of test the affectivity from the result of study performance showed the score $t_{hitung}$ is 9,997 with significane about 0,000 less than 0,05 (sig < 0,05).

4. The student activity in applying the tutorial method based on web facilitated showed the high category, and the students responds to the application of the product developing, are: interesting, it doesn't boring, and it can motivate and happy learning in studying, so the students will be interest to use web learning for their material on Art Dance for Elementary School.

**Advices**

The advice is using tutorial method based on web facilitated can be developed, so website in learning Art Dance for elementary school can be downloaded from internetby online with ordering domain and hosting on the web server. Website has the higher capacity and it can be accessed by all students of PGSD, also can be alternative media for all universities.

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