Edmodo Media Effectiveness in Javanese Bridal Makeup Course

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ABSTRACT

Edmodo media is expected to help students learn independently by balancing theoretical and practical learning which is carried out online. Interaction and activeness of students, lecturers or parents is the success key to independent learning. The research objective was to determine the validity and effectiveness of Edmodo media in the Javanese bridal make-up course. The research method uses R&D, experiments with one group pretest-posttest design. The population is 37 students of the Unnes's Beauty Study Program who take Javanese bridal makeup courses. The sampling technique is total sampling, normality test analysis, t-test, n-gain test, and percentage descriptive. The results showed that the product validity was very good, the effectiveness of Edmodo media was based on cognitive learning outcomes is normally distributed. The result of Gain test 47.1% in medium criterion. The mean of affective learning outcomes : 3.69 and the psychomotor : 3.62, student responses 65%, lecturer responses 71%, and parents responses 64%. The conclusion is Edmodo's valid as a learning media with very good and effective categories for Javanese bridal makeup courses. The results of the cognitive aspect are moderate criteria, the criteria for the affective aspect are very good, and the psychomotor aspect is very good criteria.

Keywords: *Edmodo, Learning Media, Javanese Bridal Makeup.*

1. INTRODUCTION

Learning media used as a tool in learning process that can stimulate students' thoughts, feelings, attention, abilities and skills. Especially in practical courses that are required to dig the creativity and skills. In fact, the practical courses especially on Javanese wedding makeup Jogja Paes Ageng, the students still encounter some learnings problems and the results are not optimal, because students study independently from YouTube tutorials and practice time is only 2 credits, therefore they feel they have not achieved the skills that expected. Based on the data obtained from the interviews, the most of the Javanese bridal makeup lessons still have standarized concepts both nationally and internationally. In addition, the problem of the lacked duration of time given in face-to-face classes, therefore that learning becomes less effective even though modules are available. The right media needed to help students in developing independent learning that can be done outside of class hours with video tutorials. Utilizing social media like Edmodo to support learning by implementing several interesting learning strategies, is expected to minimize barriers in the form of time, distance, and increase student interest in the courses taken. Edmodo improves skills and can develop interaction, communication and creativity [1]. Edmodo is usually used for theoretical material, in online form, but in this practical it will be found out whether it is effective if applied to Javanese bridal makeup practice courses which required special skills from preparation, process to results with the guide from the modules.

The Edmodo web's is very closely related to the internet network. The internet is the widest information center and can also be used as a learning medium. It's widely known that the internet is an easiest way to connect with the world, and you will get a lot of extensive information, can increase knowledge and develop student creativity so that it helps in the learning process. It is also possible that the interactive Edmodo application's can help students to receive learning materials. Edmodo is designed to be very simple, almost similar to Facebook, and provides space for teachers and students and parents to maximize the teaching and learning process [2]. Furthermore, [3] explained that lecturers often use multimedia in online learning and video tutorials which can provide positive potential in critical and creative

thinking according to learning material. The effects of technology in learning really help motivate learning because there is interactive and independent learning that is not limited by place and time [4]. However, with this independent learning, the lecturer does not necessarily let students study independently but the lecturer should help students achieve an understanding of the material provided. For independent the learning media like the Edmodo web's is needed as a support.

Edmodo is a social media platform which is often described as Facebook for schools and can function according to needs [5], a cooperative e-learning media for both lecturers and students which can communicate with each other, discuss to solve problems in learning especially practical material [6]. Based the opinion from [7] indicating an increase in skills among students which illustrates that students have a positive attitude towards using Edmodo for learning and training. Edmodo website's can also help students to improve their skills in the practice of making Javanese weddings style like Jogja paes ageng which theoretical hours can also be used as practice hours. Theoretical learning can be done anywhere, and at any time according to the agreement of lecturers and students because they study Being independent is very important for cosmetology students where to master the practice requires more time and repeated skill honing. Edmodo plays an important role in the learning process and can improve learning outcomes [8] The ease of operating the Edmodo application can be seen from features such as notes, assignments, poly, quizzes, libraries [9].

The use of Edmodo is very relevant, where Edmodo forces students to keep observing its application, because learning materials and assignments are sent via Edmodo, and explanations of learning materials are also posted on Edmodo. According to [10] Edmodo's involvement in learning can be achieved through various tasks, mobility, learning environment. Furthermore [11] said that Edmodo as a form of learning to create a responsible learning environment. Edmodo provides more advantages as a learning medium that is not dependent on time and place, provides opportunities for interaction with the parents to monitor student the learning activities and the outcomes. Its makes the class interact more dynamic with each other and facilitates multidisciplinary group work, and encourages collaborative virtual environment that can help process-based learning so that lecturers can give assignments while assessing students [12]

The weaknesses of programming language and the application of practical material are still difficult to implement, especially if the internet network is bad [13]. Considering that most of the learning in the Beauty Education Study Program is practical, such as Javanese Bridal Makeup Jogya paes ageng is a learning process, the role of the lecturer is very important to help students mastered the material and skills the wedding makeup. This is evidenced by changes in behavior, creativity and the results of Javanese Jogya paes ageng wedding makeup are showed. The students need to understand the traditional Javanese wedding makeup at the Jogyakarta palace, especially paes ageng, because it has rules or standard provisions that in principle not changed [14].

Paes Ageng make-up generally creates a beautiful and graceful impression, but if the equipment and method of make-up are not in accordance with upheld traditions, the results will not be as expected, and can even damage the noble of regional cultural values and have special features such as: eye make-up called eye stitches, menjangan ranggah eyebrows, forehead make-up (the shape of the squiggle, penunggul, clamp, panitis and godeg given prada, ears given chopsticks from the papaya's leaf complete accessories and complete dress make-up). Related to effectiveness and efficiency in achieving learning outcomes, [15] explained that learning media must also be adapted to student characteristics, situations, interesting, so that they can motivate and show a stronger interest in learning independently and actively, especially in cosmetology lectures which require media to provide examples of work steps by video tutorials.

2. RESEARCH METHODS

This type of research and development's methods used with a quantitative approach in its implementation to find as much data as possible. According to [16] research and development research methods are research methods used to produce certain products, and test the effectiveness of these products. The variable in this study was Edmodo media which was applied to Javanese bridal makeup courses at the Unnes Beauty Study Program.

The subjects of this research are students of the Cosmetology Education Study Program class of 2020 who are taking the Javanese Bridal Makeup Course at Semarang State University with a total of 37 students. The sample used is total sampling and the data collection method used is documentation, observation, questionnaire.

The documentation method in this research was carried out by taking documents or data including names, student's ID, and telephone numbers of Unnes students who took Javanese bridal makeup courses, specially Jogja paes ageng. The questionnaire used was a closed questionnaire using multiple choice's used to obtain data regarding cognitive learning outcomes which include learning using Edmodo. This questionnaire was conducted 2 times, namely pretest and posttest. Module validation is carried out by expert judgment consisting of material experts, media experts and educational technology experts using a questionnaire in the form of a

checklist where the experts only put a check mark in the appropriate column.

The validity of Edmodo media was assessed by 3 expert validators consisting of educational technology experts by Unnes Educational Technology lecturers, media experts by Unnes Computer Science lecturers, and material experts by Unnes Cosmetology Study Program lecturers. The effectivity can be seen from the responses of lecturers who teach Javanese bridal makeup courses, students who take Javanese bridal makeup courses, as well as parents of students who take Javanese wedding makeup courses. Measuring the validity of the instrument in this research used the opinion of experts judgment. which serves as a suggestion for the instrument in order to produce a valid instrument using the mean, median, mode to determine the validity of Edmodo and see student learning outcomes using the normality test, t-test, n-gain test. Percentage descriptive analysis is used to see the responses of Edmodo media users (lecturers, students, and parents).

3. RESULTS AND DISCUSSION

The results of the Edmodo media validity test is very good. In the Edmodo's web validation test on media experts and educational technology experts to see that Edmodo media can be used as a learning medium, meaning that the components (features, appearance, navigation) contained in the Edmodo media are ready and can be used. support the process of teaching and learning activities, especially in Javanese wedding makeup courses, Jogja Paes Ageng. This is in accordance with the opinion of [17] which explains that Edmodo media can motivate and improve learning outcomes. For the validity of the material using the Jogja Paes Ageng bridal makeup module, it can be used as material in wounding the learning process of Javanese Javanese bridal makeup, Paes Ageng, which tested very well according to material experts. The following are the results of the Edmodo web validity test and Javanese wedding makeup materials according to expert validators:

Table 1. The results of Edmodo's Web Validation and Java Paes Ageng Javanese Bridal Makeup Material.

No.	Module Assessment Indicators	Means	Middle value	Frequently Appearing Values	Criteria
1	Education technology	3.41	3	3	SB
2	Media	3.57	4	4	SB
3	Javanese Bridal Makeup Material Jogja Paes Ageng	3.58	4	4	SB
Means		3.25	4	4	SB

The results of table 1 for Edmodo media can be said to be very good. (3.25). However, according to media

experts, using Edmodo media requires preparation in using it, such as making plans for learning activities, therefore the teaching and learning process will be more varied and not monotonous. Edmodo media cannot be said to facilitate the learning process because everyone's talent or understanding of technology is not the same [18] which means that if someone does not understand Edmodo technology well, it can complicate the learning process and vice versa. Therefore it is necessary good understanding of technology in using Edmodo media

Learning using Edmodo media is proven to be able to make students learn independently, because can be used flexibly both from time and place. The advantage of the Edmodo website itself is that it makes it easier for students to learn and for lecturers to teach. The Edmodo website is able to convey material in the form of documents, videos, and even linked links. Giving assignments and assessments can also be done easily which allows lecturers to carry out learning easily, flexibly and under control so that students will find it easier to carry out independent learning. The learning process can also be connected to parents or guardians so that they can easily control the process and development of children's learning. This can be seen from the results of the pretest – post test.

Table 2. Results of Cognitive aspect analysis of *Pretest* dan *posttest*

Source of Variation	Pretest	Postest
The number of students	37	37
Average value	64.79	81.39
Standard deviation	7.86	6.69
The highest score	80.00	97.14
Lowest value	51.43	68.57
Value	28.57	28.57

The results of the cognitive aspect analysis from table 2 show that Edmodo media is proven to be able to improve student's learning outcomes from the pretest and posttest results (from 64.79 to 81.39), while the attitude aspect obtained an average result of 3.69 (very good) and cognitive aspects shows an average of 3.62.

Table 3. Learning Process Results.

No	Indicators		Mean	Criteria
1.	Cognitive learning outcomes	*Pretest*	6.29	B
		Postest	7.89	B
2.	Affective learning outcomes (process)		3.69	SB
3.	Psychomotor learning outcomes (make-up results)		3.62	SB

Table 4. Gain Test Calculation Results.

No	Class	Means %		Enhancement	% Enhancement	Normal Gain	G Factor Criteria
		Pre Test	Posttest	Pretest – Posttest	Pretest - Posttest	Pretest - Posttest	Pretest – Posttest
1	Experiment	64.79	81.4	16.60	25.6%	47.1%	Average

Based on the Gain test, the results are in the medium category, because it is the first time learning to use Edmodo media, which must study applications, work processes and need to adjust practical courses even though there are modules.

Based on the results of the responses of Edmodo media's users from lecturers, students and parents, it can be seen in table 5.

Table 5. Results of Responses to the Use of Edmodo Media In Javanese Bridal Makeup Course.

No.	Respondent	Mean (*Percentage*)	Criteria
1.	Students	65%	B
2.	Lectures	71%	B
3.	Parents	64%	B
Mean		**67%**	**B**

Good responses from lecturers, students and parents were in the good category, this happened due to a lack of motivation and not being used to using Edmodo media in learning Javanese bridal makeup practices, especially paes ageng, while parents were less of responsive because they rarely controlled their daughter's learning process at academics especially Edmodo is considered complicated.

4. CONCLUSIONS

Based on the results of research and discussion, the conclusions are as follows: The results of the validity of Edmodo carried out by material experts, media experts and educational technology experts in the effectiveness of Edmodo media in Javanese bridal makeup courses at Unnes Beauty Cosmetology can be used as learning media with very good results. Edmodo media was effectively used as a learning medium for Java Jogja paes ageng wedding makeup at the Unnes Beauty Study Program with the results of the cognitive domain being moderate criteria, the affective domain being very good criteria, and the psychomotor domain being very good criteria.

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