

Development of Digital Dictionary to Support Learning System in Cosmetology Education Program

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Abstract: This study aims to: (1) produce a digital dictionary to support cosmetology education learning program. (2) to determine the effectiveness of a digital dictionary to support cosmetology education learning program. This research's type is research development using the Brog and Gall model. Data collection techniques using observation, interviews and questionnaires technique. After that making text and media design, produce the digital dictionary, and making the flow chart view. The validity test was carried out by 2 person material experts and 2 person media experts who were competent in their fields, then carried out product trials 3 respondents for small group trial, 5 respondents for medium group trial and 30 respondents for large group trial. If the trial is carried out in large groups, the aim is to develop learning materials: Theoretical and Practical Reviews to find out whether the product can be mass produced or can be used by audiences. The results of the research development of Digital Dictionary To Support Learning System in Cosmetology Education Program is prove according to the validation of the assessment by material experts to determine feasibility of the product, average of 86.8% is obtained in good category, an assessment by media experts is obtained on an average of 94.8% in the very good category. in the trial aspect to determine product development, a small group trial of 6 students obtained a percentage of 80.9% in the good category. in the medium group trial, which consisted of 12 students, a percentage of 86.8% was included in good category. in large group trial of 30 students, the percentage of 95.6% was included in very good category. According to all experts, small, medium and large group trials can be concluded that the development of digital dictionary is suitable and can be used in supporting teaching and learning System in cosmetology education program.

Keywords: Digital Dictionary, Cosmetology, Education, Learning.

1 Introduction

Learning is such an activity to teach students by using educational principles and learning theories which are the main determinants of educational success. Learning is a two-way communication process, teaching is carried out by teachers as educators, while learning is carried out by students or students. The concept of learning according to Corey (1988) is a process in which a person's environment is deliberately managed to enable him to participate in certain behaviors in special conditions or produce responses to certain situations. Learning is a special subset of education. Learning media is defined as anything that can be used to convey messages or learning content, stimulate the thoughts, feelings of attention and abilities of students so they can encourage the teaching and learning process. Learning media must be packaged well and as attractive as possible so that students become more motivated in the learning process.[1]

According to Yuliana (2014) in "Development of a Mobile-Based Psychological Terms Dictionary Application". A dictionary is a reference source that creates vocabulary along with explanations and meanings, dictionaries have the aim of providing the correct meaning for the words searched by users. Meanwhile, many dictionaries of psychological terms that are currently circulating are in the form of printed books, but many of them are difficult to use, because users have to search for meanings and psychological terms manually, searching page by page, on the other side of the book too. The Cosmetology Education Program is a study program that teaches science of cosmetology starting from theory and practice, in its learning it uses many terms adopted from foreign languages.[2] Based on the results of a questionnaire distributed to students of the 2023 University of Medan Cosmetology Education Study Program, it appears that 87% of students have difficulty distinguishing terms that are often used in learning, especially words adopted from foreign languages. 75% of students agree that this often makes a difference in perceptions in learning communication. And based on the results of the questionnaire distribution, students truly agree that there is a cosmetology learning dictionary that can unite students' perceptions regarding the vocabulary that is often used in learning. Based on the results of the needs analysis distributed to students, students are interested in new learning resources that can help learning, namely dictionaries in digital form that can be accessed via cell phone because students are active cell phone users. Based on the questionnaire distributed to students of the Cosmetology Study Program, it appears that 89% of students spend 6-9 hours a day. Activities carried out include playing games, listening to songs, playing social media. Based on this, the author is interested in developing a digital dictionary to support learning in cosmetology education study programs, in order to equalize student perceptions of the terms used in learning. The dictionary that will be developed utilizes the Artificial Intelligence (AI) feature based on Augmented Reality (AR) which can visualize directly every vocabulary contained in the digital dictionary that will be developed and can be accessed via student cell phones to take advantage of technological updates that are most often used by students.[3]

A digital dictionary media is an application that produces various information that can be useful to support the process of translating a word or sentence effectively and efficiently. A digital dictionary is a dictionary where the data is in digital form and can be accessed through various different media.

Compared with printed dictionaries, digital dictionaries provide a wider range of lexical information. suggest that the high speed and easy access of digital dictionaries encourages students who are learning a language to frequently use digital dictionaries in the vocabulary learning process. Students learning a language will continue to use digital dictionaries. Because they realize that when using a digital dictionary increases the possibility of learning words that they don't already know and understand.[4]

Electronic dictionaries can be divided into two different types, including: 1) Online electronic dictionaries. These dictionaries are available on websites which are also known as internet dictionaries. This dictionary can be used directly via the internet. Some of these dictionary websites can be accessed for free and some websites are paid. The advantage of using this dictionary is that it can be used in various places as long as there is an internet connection. However, sometimes it takes a lot of time if the internet connection is busy or interrupted. The advantage of using this dictionary is that it can be used in various places as long as there is an internet connection. However, sometimes it takes a lot of time if the internet connection is busy or interrupted. 2) Offline electronic dictionary This dictionary is available in compact disc (CD) form. This type of dictionary can be used with a computer or smartphone. The advantage of using this type of dictionary is that users are free from internet connection problems and the disadvantage is that it requires expensive equipment to access or use it. 1) The Importance of Dictionaries states, dictionaries are important tools in education that play an important role in various language learning processes including reading comprehension and learning as well as understanding vocabulary. suggests that a dictionary will really help students in three main ways, by using a dictionary students understand the words students find when reading and listening, find the words students need to speak and write, and to remember the vocabulary. Therefore, a dictionary is a tool that can help students understand reading skills. Reading will be very interesting if students can understand what they read, and this happens when dictionaries play an important role as a means to facilitate students in reading. Students will be more successful in using dictionaries for a wider range of tasks including reading than speaking, because speaking requires more information concepts, which include understanding idioms, grammar, collocations, synonyms and lexical phrases. 2) Advantages and Disadvantages of Electronic Dictionaries In this era of technological advances.[5]

The development of electronic dictionaries is also increasingly rapid and numerous. another studies also suggest such several advantages of using electronic dictionaries in language, including: improving student's learning with independent way, easy access to oral and written translations from many languages, speed of use, increasing recognition of word forms, increasing recognition of word meanings, consolidation of meaning, words, improving reading comprehension, increasing vocabulary acquisition, increasing positive attitudes towards vocabulary learning, designing effective vocabulary learning, achieving great in vocabulary tests, also learning vocabulary in authentic texts. It often happens when students use electronic dictionaries in the classroom, electronic dictionaries can also be very annoying to students when students use electronic dictionaries in class. Based on the description above, this electronic vocabulary and pronunciation dictionary was developed to include vocabulary and its meaning as well as adding audio pronunciations of the vocabulary. This electronic dictionary was developed and is available in online

form which can be accessed via the website and is also available offline in file form which can be accessed using a laptop/computer and smartphone.[6]

The Cosmetology Education Study Program is a Beauty Education learning which is one of the study programs in the PKK Department. This program organizes beauty care education with the aim of producing graduates in the field of beauty care for formal, non-formal and entrepreneurial education with bachelor of education (S1) qualifications who are superior, professional, skilled and sensitive to environmental, natural, social and cultural sustainability. Makeup is important in the world of beauty and performance, because it can provide major changes to a person's appearance, create a strong character, and produce special effects that support certain goals. However, this make-up is divided into several types to suit the right needs or conditions when using make-up.[7]

According to Tilaar (2014), make-up is the art of beautifying the face by highlighting facial beauty and disguising flaws, thus improving a person's appearance and self-confidence. Make-up is the art of using cosmetic products to change the appearance of a performer's face on stage according to the desired atmosphere. The types of learning contained in the cosmetology education study program are:

1) Basic Makeup Basic make-up or make-up fundamentals is the basic art of applying make-up which involves making up various parts of the face with the help of lighting, furniture and the right make-up tools. Apart from that, it is also important to use make-up products by paying attention to cleanliness, understanding the structure of the skin, maintaining skin care, and following the rules in choosing colors and applying appropriate make-up techniques.

2) Special Makeup

This type of make-up is divided into 4 types, such as Cicatry make-up, geriatric make-up, photo make-up and film make-up which will be reviewed below: (1) Cicatry make-up; This is a make-up technique that aims to enhance beauty by highlighting beautiful facial features and disguising or covering parts that are considered less than perfect. The aim is to disguise imperfections such as wrinkles, scars and hyperpigmentation so that the face looks more perfect, (2) Geriatric Makeup; Geriatric make-up is the process of applying make-up specifically for women who have entered old age. This technique aims to disguise signs of aging such as wrinkles, changes in facial structure and gray hair. All of this is the focus of facial correction using make up. (3) Photo Makeup; Photo make-up is a type of make-up used in the world of photography or editorial to reflect the model's personality or character, as well as to adapt a certain concept to the intensity of light and decorations used. Photo makeup has various aspects that need to be considered. Film Makeup; Film make-up techniques themselves are divided into three, namely the first is facial make-up, which aims to improve the beautiful appearance of film actors. Second, the character's facial make-up, which is used to support the character's personality in the role played carefully. Third, smink makeup, is used to create new and imaginative looks for characters. (4) Stage Make-up Stage make-up is the make-up used during stage performances by focusing on facial make-up to create special effects that are in the spotlight. Stage make-up is generally used by mannequins, dancers and singers when appearing on stage. The goal is for the face to remain clearly visible even in bright stage lighting.

This make-up is divided into 2 types, namely prosthetic (make-up to imitate a character) and straight make-up (make-up that adapts to clothing by taking into account the situation in which it is applied).

3) Bridal Make-up Bridal make-up is special make-up for brides which generally uses highlighting, shading and contouring techniques to beautify the face, as well as camouflage techniques to disguise flaws. Bridal makeup rules may vary according to different cultures and wedding times.

4) Special Make Up is the make-up used to depict a person character when appearing on stage. The aim is to help the face reflect the nature of the character being played, thereby helping the players act according to the character they are playing such as Fantasy Make-up. Fantasy make-up is the art of make-up which is used to transform a person into a desired imaginary form, such as an animal, plant, horror character or beast. This make-up produces an unrealistic appearance and often involves the use of body painting, hair make-up, and clothing that matches the desired theme. Special Effect Make-Up This type of special effects make-up or special effects make-up is make-up that creates an illusion to achieve a certain goal, such as changing the appearance of a model's face to make it look injured, deformed, and so on.

5) Anatomy and physiology; study the shape and structure of the human body.

6) Hair Beauty; is a lesson in styling and caring for hair and scalp.[8]

2 Method

Research and Development (R&D) Power and what is included in particular planning are not in themselves, as Sugiyono (2014) contends. This study is middle on cosmetic education. The study was carried out in seven stages: planning, production of a preliminary product prototype, product review based on field research, review of the intermediate product, review of the final product, and distribution without implementation. Qualitative information about web requests was gathered through interviews and documentation.[9]

A portable device with the produced product recovered is the data gathering tool for this project. Ha blind man to gather the data, including the Electronic Dictionary project's validation, in order to examine the data, particularly the product's applicability. Making sure the Electronic Dictionary is appropriate for use with is part of this. The project's approvers, who include professionals in the fields of production, cuisine, language, and party groupings, conduct the discussion. Complete statistics are examined for all the data that were gathered. Quantitative data on a rating scale of 1 to 5 is created by converting qualitative data, which might range from the terms "very poor" to "very good." [10]

3 Results and Discussion

Based on the development results, it shows that (1) the validation results by 2 person material experts obtained a score of 86.8% in the Good category. (2) validation results by 2 person media experts obtained a score of 94.8% in the Very Good category. The results of small group trials in the regular B class of 2022, Medan State University, Cosmetology Study Program totaling 6 students, stated that the skin beauty digital dictionary media in terms of appropriateness of content and appropriateness of media appearance was assessed at 80.9% in the Good category. The results of the medium group trial in the regular class B standard 2022 of the Cosmetology Study Program, Medan State University, totaling 12 students a percentage 86.8%. The results of the large group trial in the regular class B standard 2022 of the Cosmetology Study Program University of Medan, totaling 30 (thirty) persons, stated that the digital dictionary media in terms of appropriateness of content and appropriateness of media appearance was assessed at 95.6% in the Very Good category. According to all experts that's small, medium and also large group trials can be conclude that development of digital dictionary is suitable and can be used in supporting teaching and learning system in cosmetology education program.

4 Conclusion

The development of digital dictionary use Research and Development (R&D) research method with Borg and Gall (2023) development model. And This research aims to (1) Make knowing the development of e-dictionary at the Cosmetology Education Program, University of medan. (2) To Knowing the feasibility of e- dictionary in Cosmetology Education Study Program, Medan State University. Data collection techniques were carried out through interviews and also questionnaires. The data analysis technique used is quantitative descriptive.

Based on the results of the need analysis, lecturers obtained a score of 86% in the Good category and for student needs they obtained a score of 93% in Very Good category. The validation results by 2 persons material experts obtained a score of 86.8% in Good category. And the validation results by 2 persons media experts obtained a score of 94.8% in Very Good category. Furthermore, in the feasibility trial (1) the small group trial got a score of 80.9% in Good category (2) the medium group trial got a score of 86.8% in Very Good category (3) the group trial Large received a score of 95.6% in Very Good category. From the three media feasibility trials, the average score was 93% in Very Good category. Based on these results, the digital dictionary media is feasible and can be used to support learning activities at the Medan State University Cosmetology Study Program.

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