THE DEVELOPMENT OF BIOGRAPICAL TEXT TEACHING MATERIALS BASE ON THE FLIPBUILDER APPLICATION SUPPORTS INDEPENDENT LEARNING FOR STUDENTS

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Abstract --Independent learning is defined as the freedom to obtain information that is not only based on one source. Their campus aims to create individuals who are able to compete in many fields of knowledge. One thing that must be considered is that the use of the knowledge that has been obtained must be in accordance with the objectives of the lecture. This study aims to develop application based teaching materials that are useful for building independent characters among students who must be familiar with the process of independent learning if they continue their higher education level. This research was conducted by researchers as the prospective Indonesian teacher. Early research was taken place in Dr Wahidin Sudiorhusodo Senior High School Medan. This research method uses Research and Development (R&D) procedure according to Borg and Gall modified by Sugiyono. Some steps are limited to only 4 steps: Potential problem, Data Collection, Design and Design Validation. Data Collection techniques are direct observation and filling out questionnaires by expert validators. Research results in the form of values obtained from expert validators which are calculated into the form of very good, good, quite good and not good categories. The validation of teaching materials got a score of 3,53 with a very good category. Linguistic validation of teaching materials got a score of 3,5 with a very good category and validation teaching materials media got a score 3,66 with a very good category. Based on the result obtained, the feasibility of teaching materials for biographical texts based on the Flipbuilder application got a very good category.

Keywords: Development, Biographical Text, Independent Learning

INTRODUCTION

The concept of independent learning launched by the Indonesian Minister of Education and Culture aims to create a better Indonesian education. This concept gives freedom to educational institutions to provide opportunities for students or students to develop their potential according to the interests and talents of each student. The development of students' interests and talents is expected to have a positive impact on Indonesia, especially in the field of education. Students are agents of change who have an important role. The role of students, especially students who are in charge of lectures in the field of education, are expected to become educative, creative and innovative educators.

The development of teaching materials or teaching media carried out by teachers is one form of creating creative and innovative learning. The development of teaching materials aims to renew learning patterns and foster an independent spirit in students. Learners get information as it should with new materials and media that are different from usual. What's more, students are currently carrying out online learning caused by the ongoing pandemic. Online learning has a very significant difference, not only from learning styles but from the acquisition of information that students get. Based on the results of interviews obtained by students, they said that online learning had less information. They hope that if this continues, they want an innovation in the learning process to simply eliminate the boredom they have been feeling.

The definition of independent learning for students at an independent campus is the right to obtain information that is not only based on one source but, based on several sources. The campus facilitates students to study other fields of science for 3 semesters. The lessons learned can be between majors and field programs. The development of application-based teaching materials is one example. Students can deepen the programming of an application that is solely aimed at developing knowledge about technology which will later be associated with educational science. The focal point of the independent learning program is the results obtained. Students are not only expected to obtain information based on the learning they have taken in various fields. However, its application to the world of work becomes the most important point in the goal of independent learning. Students are expected to be able to make changes for the better in order to create a better Indonesia.

Freedom to learn when viewed from its understanding, we can relate it to the existing curriculum, namely the 2013 curriculum which is oriented towards students as learners and teachers as facilitators in learning. Learning in the 2013 curriculum is oriented to produce students who are productive, creative, innovative and affective through strengthening attitudes, skills and knowledge. The 2013 curriculum also provides opportunities for students to develop their potential because in the 2013 curriculum, learning is centered on the rest no longer solely on the teacher.

According to Prastowo (in Zahra, 2014: 3) teaching materials are all materials (both information, tools, and texts) that are systematically arranged, which displays the full figure of the competencies that will be mastered by students and used in the learning process with the aim of planning and studying. implementation of learning. Based on this understanding, we can know that teaching materials are materials needed by teachers to be taught to students. The development of these teaching materials is expected to be able to meet the needs of students both in terms of knowledge of learning materials and the learning process that is fun and in accordance with current circumstances and needs.

Flip Builder is an E-book maker software in the form of a flip book (Hidayatullah & Rakhmawati, 2016; Mulyadi & Wahyuni, 2016). Flip Builder there are several software that can be used to make the appearance of books, modules, brochures, magazines more attractive. Flip Builder is also a flipbook builder that has page edit functionality. This application can create interactive book pages by including multimedia such as images, videos from YouTube, MP4, audio videos, hyperlinks, quizzes, flash, and others. Thus the development of biographical text teaching materials using the Flip Builder application produces creative and interesting e-books.

The types of teaching materials according to Majid (2009: 175-183) are as follows: Handouts, books, modules, radio, video and interactive multimedia. According to Prastowo (2011: 40-41) based on the shape, teaching materials are divided into four types, namely: printed teaching materials, listening teaching materials, viewing teaching materials, and interactive teaching materials. Based on the above theory, the development of teaching materials in this study focuses on the form of teaching materials, namely modules and electronic teaching materials.

METHODS

This research was conducted at Dr Wahidin Sudirohusodo High School Medan in the even semester of the 2020/2021 academic year. The research method used in this

research is the Research and Development (R&D) method which consists of 10 stages. However, the researcher limited this research to stage 4, namely, potentials and problems, data collection, product design and design validation. The data collection techniques are the interview stage, the documentation stage and the questionnaire stage. Data collection instruments are: Preliminary study instruments and expert validation instruments. The data analysis technique is in the form of calculating the value obtained from the questionnaire given to the expert validator then the data is calculated into several categories, namely, very good, good, quite good and not good.

RESULT AND DISCUSSION
a. Validation Result

The results of this study are values obtained from several expert validators, namely material expert validators, linguistic expert validators and media expert validators. The three expert validators gave an assessment of the teaching materials developed through the validation sheet provided by the researcher.

1.1. Material Validation Results Table

No.	Aspects	Total Score ($\sum Skor$)	Operational Test Value (X_i)	Final Average ($\bar{x}$)	Eligibility Criteria
1.	Eligibility of content / Material	41	3,41	3,53	Very Good/ Valid
2.	Language eligibility	11	3,66		

Based on the table above, it can be seen that in the aspect of the feasibility of teaching materials, the score is 3.41 and in the aspect of language feasibility, the score is 3.66. Both values are calculated to get the overall average value. The final score obtained is 3.53 with a very good category. So that the material discussed in this teaching material is already very good based on the assessment of the expert validator.

1.2 Language Validation Result Table

No	Aspects	Total Score ($\sum Skor$)	Final Average ($\bar{x}$)	Eligibility Criteria
1.	Language	28	3,5	Very Good/ Valid

Based on the table above, it can be seen that in the linguistic spec, the final average score is 3.5 with a very good category. This linguistic aspect includes the effectiveness of words and sentences, the use of punctuation marks and editorial legibility between sentences and paragraphs. The use of proper language is the responsibility of the author. The errors found will be corrected before being given back to be assessed by the language validator.

1.3 Media Validation Result Table

No.	Aspects	Total Score ($\sum Skor$)	Operational Test Value (X_i)	Final Average ($\bar{x}$)	Eligibility Criteria

1.	Display Presentation	37	3,36	3,66	Very Good/ Valid
2.	Programming	7	3,5		
3.	Material Presentation	12	4		
4.	Usefulness	31	3,8		

Based on the table above, it can be seen that the display presentation spec got a value of 3.36, in the programming aspect it got a value of 3.5, the material presentation aspect got a value of 4 and in the usability aspect it got a value of 3.8. This media assessment is based on the functionality of the application, audio, video and animation used as well as the design of teaching materials that are displayed according to or not based on the assessment of the media expert validator. Based on these aspects, it can be seen that the final value of media validation is 3.66 with a very good category.

The three validators who carry out the assessment are lecturers who are experienced in their fields. For example, the material and language expert validator is a lecturer of Indonesian language and literature, while the media expert validator is a multimedia lecturer. The validator provides an assessment in accordance with the applicable procedures. If there are some parts that are not appropriate, the researcher carries out revisions or improvements before submitting a reassessment of the teaching materials developed. Of the three validations, all of them got very good results or scores. This shows that the teaching materials developed are in accordance with the needs and the media used is also functioning well. These teaching materials will later be disseminated to students to be studied and enjoyed.

b. The Use of Teaching Materials to Support Independent Learning

Teaching materials are developed using the Flip Builder application. Flip Builder is an electronic book maker application that is equipped with interesting features such as flip, video, audio and animation. This application creates electronic books that are more interesting than usual, for example, when we open this book, it is as if we open a printed book but in online form. An innovation in learning Indonesian, especially biographical text material. So far, it is known that biographical texts can only be viewed with images and text, but with this development, biographical texts can be included with sound and video.

This teaching material is also offline so it can be accessed at any time. So if this is given to students, then students will more easily access it. The output file of this application is in the form of an exe which is quite heavy if directly transferred to a cellphone. However, the file from this application can be uploaded to Google Drive and students will access this book file from the link distributed by the teacher later.

The advantage of knowing and studying the development of application-based teaching materials for students is to create students who are technology literate and not fixated on monotonous learning. This can also be used as a reference for prospective students in preparing teaching materials that will be taught using more interesting technology. This of course supports students to be independent in learning, they are allowed to learn new things and the results are applied directly in accordance with the education they teach.

The advantage for students is that it adds student references in learning and fosters a spirit of independence in students, because the modules or teaching materials developed aim to make students more independent and the teacher as a facilitator in the learning process. Students can acquire knowledge properly with different models and styles. Moreover, they are currently carrying out online learning, of course this development is very suitable, because students can access these e-books from home.

CONCLUTION

Based on the results and discussion above, it can be concluded that the biographical text teaching materials developed using the Flip Builder application are very good based on the assessment of expert validators. The average value of teaching materials obtained in the assessment is 3.5 and above in the very good category and does not require revision. This shows that the teaching materials developed are very good and can be recommended for use in schools. Freedom of learning is not only felt by students, but also because students can access and obtain information anywhere and anytime. Students have the opportunity to gain knowledge not only in one field of science and students must know what the purpose of studying that field of science is and what benefits it will bring to the course or work that will be obtained.

REFERENCES

Arikunto. (2006). *Prosedur Penelitian.* Jakarta: Rineka Cipta.

Ayu, F. (2017). Pengembangan Bahan Ajar Teks Biografi Berbasis Literasi di Kelas XI SMA Tarbiyah Islamiyah. *Unimed*.

Aziz, A. A. (2012). Evaluation On the effectiveness of learning outcomes from Students' Perspectives. *Procedia-Social and Behavioral Sciences*.

E. Kosasih, E. K. (2019). *22 Jenis Teks & Strategi Pembelajarannya di SMA-MA/SMK.* Bandung: Yrama Widya.

Edi Wibowo, D. D. (2018). Pengembangan Bahan Ajar Menggunakan Aplikasi Kvisoft Flipbook Maker. *Jurnal Matematika*.

Eka Hartati, M. (2018). Pengukuran Tingkat Efektivitas Dan Efisiensi Sistem Ujian Nasional Computer Based Test. *Selisik*.

Faidah, S. (2015). Pengembangan Bahan Ajar Berbasis E-Book Menggunakan KVisoft Flipbook Maker untuk kelas VII MTs N 2 Kota Cirebon. *Skripsi Jurusan Tadris*.

Hidayatullah, F. (2010). *Pendidikan Karakter: Membangun peradaban Bangsa.* Surakarta: Yuma Pustaka.

Jayanti, T. (2015). Pengembangan Buku Pengayaan Menulis Cerita Biografi Bermuatan Nilai-Nilai Pendidikan karakter Bagi Peserta Didik Kelas VII SMP. *Seloka: Jurnal Pendidikan Bahasa dan Sastra Indonesia*.

Majid, A. (2013). *Perencanaan Pembelajaran.* Bandung: Pt Remaja Rosdakarya.

Prastowo, A. (2011). *Metode Penelitian Kualitatif dalam Perspektf Rancangan Penelitian.* Yogyakarta: Ar-Ruzz Media.

Reza Kusuma Setyansah, D. A. (2019). Development Of Textbook Based On E-Learning 'Matlab Simulation' In Numeral Analysis. *Journal of Physics*.

Rohati. (2011). Pengembangan Bahan Ajar Materi Bangun Ruang dengan Menggunakan Strategi Relating Experiencing, Applying, Cooperating, Trasnfering (REACT) di Sekolah Menngah Pertama. *JUrnal Nasional Edumatica*.

Stubbs, M. (1983). *Discourse Analysis.* Chicago: The University at Chicago Press.

Sudaryono. (2012). *Dasar-Dasar Evaluasi Pembelajaran.* Yogyakarta: Graha Ilmu.

Sugiyono. (2015). *Metode Penelitian dan Pengembangan.* Bandung: Alfabeta.