

Developing English Book for X TKR of Vocational High School Based on Contextual Purposes

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Abstract

This research aims to develop an English book for X TKR of Vocational High School by implementing an Independent curriculum. Base on the result of need analysis with students and interviews with English teacher, the researchers find the problem that SMK Darul Huda Blitar implementing independent curriculum but do not have patent materials for learning English using the independent curriculum. The product was created using the R&D approach with five stages of ADDIE model: analysis, design, development, implementation, and evaluation. In this study, the research instruments and data sources were from need analysis questionnaire, interview guidelines, and student satisfaction questionnaire. The results of research show that English learning books accompanied by illustrations, a little material and equipped with practice can increase understanding and enthusiasm in lessons. Based on the results of a student satisfaction questionnaire filled out by 19 students after using English books for contextual purposes the score reached 96% which means this media is very good for use in increasing interest and understanding in English lessons.

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INTRODUCTION

Vocational High School is one of the educational levels that sets up graduates to the world of work equipped with skills that can support their lives in the future so that student can compete the global competition. According to Kagan, "the characteristic of vocational high school is that they have more interest in practice than theory so they get bored quickly when learning a theory from material" as cited in (Kennedy 1997). In line with the character of vocational High School students, the Indonesian government began implementing the independent curriculum this year to raise educational standards. In this curriculum, every school can choose subjects more independent according to their interests, talents, and students' aspirations.

The findings of need analysis questionnaire of X TKR students and interviews with English teachers at SMK Darul Huda Blitar, there are problems in learning English using the independent curriculum such as unavailability of teaching resources that are in line with the independent curriculum, the needs of a vocational high school student, and their personalities is necessary to

address these issues. They still use a resource from K-13 textbook with addition material from Google.

The previous study of developing English based on contextual instruments in improving student competency that are appropriate for the personalities of vocational student, it can boost student enthusiasm and the efficiency of learning English. Contextual learning is related learning materials with real-world contexts faced by students everyday both within the family, community, natural environment, and the world of work, so that students are able to relate the knowledge they have with its application in everyday life (Mubarak, Saifudin, and Rofiah 2020). The development of these teaching resource has been in line with the demands, is able to increase student competency and efficient for vocational high school students. As a result, they may be employed and utilized the product in the learning process for class XI semester I of SMK Muhammadiyah Padang (Noer 2020).

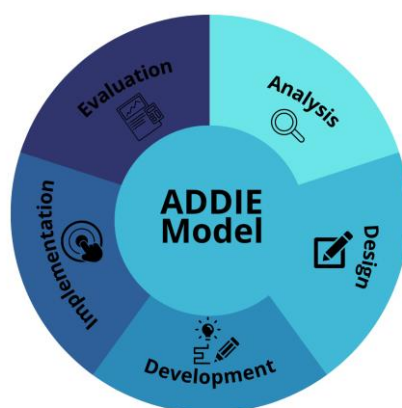
Learning resources will aid student to develop their understanding, includes the capability to acquire information creatively, flexibly, and appropriately in specific contexts (Floden 2006). But today textbooks can be accessed in the form of soft files called an e-books or electronic books as an alternative source of independent learning material for student. E-books are digital books that make it easier for student to read hundreds of book pages in just one file and save on the cost of buying books (A. Prabowo 2013). The novelty in this research is the product developed in the form of learning materials that focus on practice task and shorten the presentation of the material to make sure it easier to understand and appropriate to the characteristics of vocational high school students.

Based on the previous study, a researchers are interest to develop a material according to the implementation of Independent curriculum and students of vocational high school character. Thus, it is necessary for the researchers to develop English book for X TKR of Vocational High School based on contextual purposes at SMK Darul Huda Blitar. The advantages of this product are the material has been adapted to the character of vocational high school students and designed to be more attractive and accessible. "Textbooks that are expected to contain material that interesting and make students more active in exploring abilities so that can improve their English competence to produce graduates professional" (Suharto, Makrifah, and Widiarini 2020).

RESEARCH METHODOLOGY

The researchers using the R&D method to conduct this study. A research aimed at creating a good product and assessing its benefits is called R&D (Sugiyono 2015). Researchers develops English book for X TKR of SMK Darul Huda based on contextual purposes by using five stages of ADDIE's model which include analysis, design, development, implementation, and evaluation (Sugiyono 2015).

Figure 2.1 ADDIE Stages



The stages of product development in line with the implementation of the ADDIE model are as follows: 1) At the analysis stage, activities at this stage are analyzing data in the form of students' needs in the learning process from questionnaires, competencies that must be mastered by students of class X TKR, and student characteristics regarding knowledge, attitudes, and skills from the results of teacher interviews. 2) At the design stage, the activities carried out were collecting English material sources for class X semester 2 in the independent curriculum, designing product concepts, and determining the practice questions contained in each chapter.

3) The development stage is carried out by adding vocabulary at the beginning of the chapter and adding pictures and practice assignments. After the product is finished, it is followed by validation of instrument experts, material experts and media experts. If the product is valid then the researchers can prepare trial materials. 4) At the implementation stage, the product would be held for X TKR students. 5) At the evaluation stage, revisions were made based on the opinions and suggestions of the validators.

The technique of data analysis is a stage to analyze the obtained data. There were two techniques of data analysis, the result of the need analysis and students satisfactions was included in quantitative data, while the opinion from the English teacher was included in qualitative data. The researchers processes the data from the interviews at this stage using qualitative techniques to produce descriptions or explanations. to assess the validation score of instruments, the product, and materials of product, the data obtained from the questionnaire results is converted into a percentage using the formula below (Sudjana 2005):

$$P = \frac{\sum X}{N} \times 100 \%$$

Note :

P = Eligibility

$\sum X$ = Total Score Obtained

N = Maximum Score

Furthermore, in the validity and reliability stages. Validity is known as the degree to which a notion is precisely quantified (Heale and Twycross 2015). At this stage of validity in this study, the researchers employs three references: content validity, instrument validity, and media validity. Reliability, according to (Creswell 2012), is defined as the consistency and stability of an instrument's score. The Cronbach Alpha reliability test was performed using SPSS 25. Quantitative data from the results of the questionnaire will be converted into a Likert scale, which can be seen as follows:

Table 2.1 Likert Scale Criteria

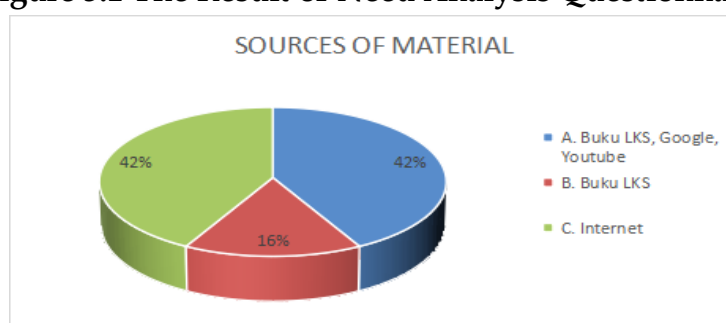
No	Answer	Score
1.	Strongly agree	4
2.	Agree	3
3.	Disagree	2
4.	Strongly disagree	1

(Source : Sugiyono, 2015)

RESULT AND DISCUSSION

English is a compulsory subject for every level of formal education, because as an international language, it more often associated with the world of work. People who have good English skills will have more job opportunities than those who only know general skills. “As a multinational company we have businesses around the world. Employees with a good standard of English can connect and communicate with each other effectively, since everyone speaks the same common language” (Gan 2023). Vocational high schools that aim to prepare students to be ready to enter the world of work must also learn English. The problem in delivering the material is too boring, students’ limited vocabulary and material that is difficult to understand.

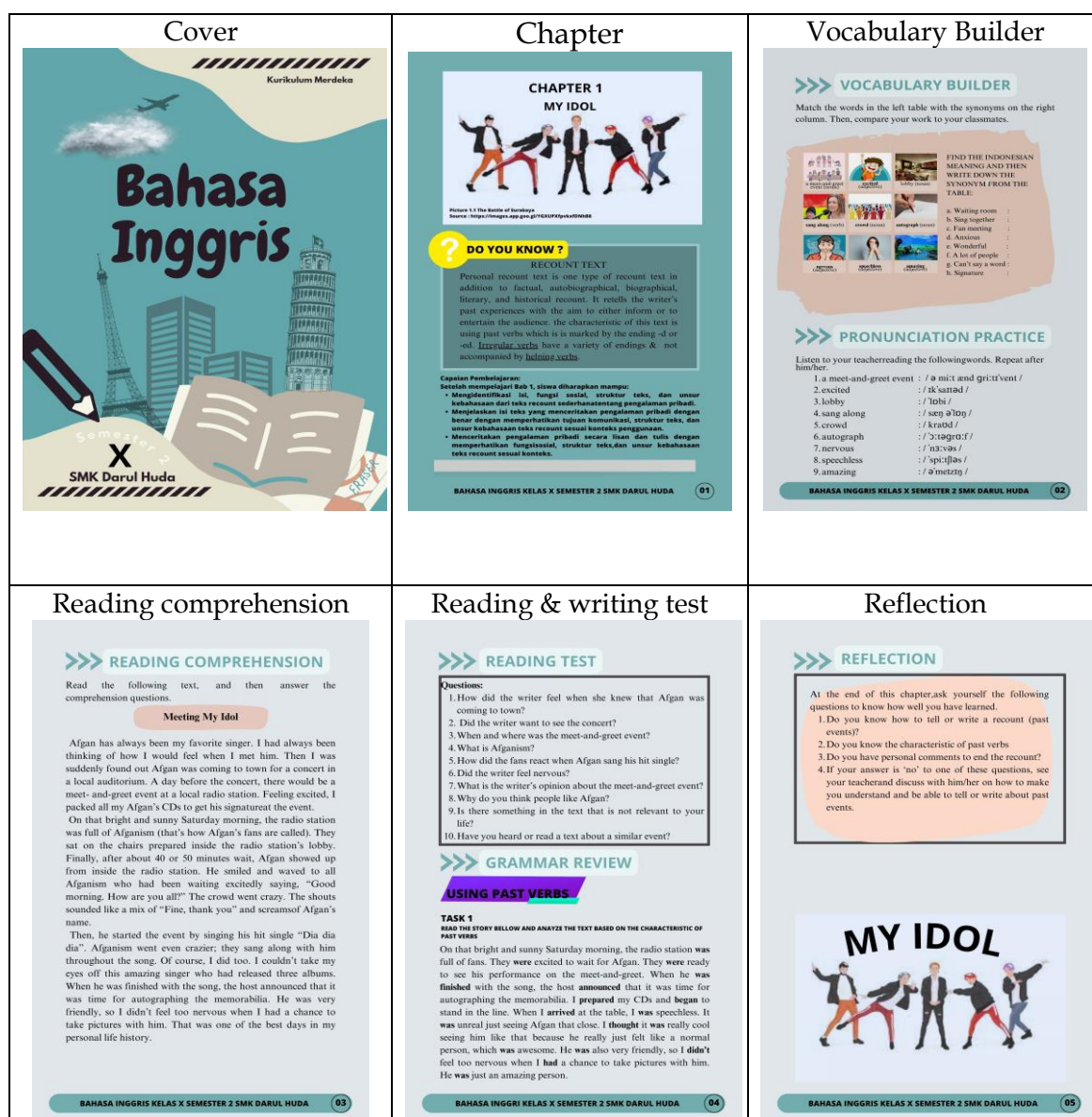
Figure 3.1 The Result of Need Analysis Questionnaire



According to the findings of the needs analysis and interviews with English teachers, unpatented reference sources are one of the issues that students confront, and the accessible material is not attractive enough to vocational high school students. There are several principles and basic things

that need to be considered in contextual purposes such as have an authentic assessment, have a multiple context and based on contextual purposes (Mardapi 2004). The researchers are trying to create learning materials for class X SMK Darul Huda Blitar that are in accordance with the independent curriculum and the characteristics of SMK students, namely by including a vocabulary list at the beginning of each chapter accompanied by translations and pictures, and contains more exercise task relate to the main topic of each chapter.

Figure 3.2 Result of The Product



Students are more interested and better understand the practicable material, besides that students can also study the material independently without help from the teacher because the material is easily accessible. The

contents of the material based on contextual purposes / real situations must be considered so that it is not monotonous and easier to understand (Lin, M.C & Chiu 2009). The previous researcher implemented the theory above in developing English materials according to the characteristics of management students and the results showed that the product development materials were in accordance with the needs of students and in line with the curriculum. (Amrina and Anom 2019).

The material is an important part of learning activity, so the teacher should find the material based on students' interest. Materials must be accompanied by attractive visuals that make it easier to provide information, titles, skills and activities (Prayoga, Irwansyah, and Harya 2021). The Exercise should include reading, writing, vocabulary, speaking and listening. The material in X grade of vocational high school is Recount Text (history, biography, a story of place) and songs. The material must be focus on a function or essence of English itself, rather than the application or information gathered from native speakers. (Kiczkowiak 2019). After process of validating, the product implemented in learning activity to know the result of developing a product.

The material is implemented during the learning process by using the E-book as the main source of material. The e-book is distributed to all student of class X TKR so that it can be accessed easily. The implementation procedure was carried out in a meeting to optimize the researcher's desired findings. Following the delivery of the material, students complete worksheets and fill out student satisfaction questionnaires. The result of this implementation is 96% of students are more interested and understand the material.

Table 3.1 The Result of a Student's Satisfaction

NO	STATEMENTS	SCORE
		$P = \frac{\sum x}{N} \times 100 \%$
1	Have you followed the English lesson well?	93%
2	Do you like the learning method used?	95%
3	Do you understand the material that has been presented?	97%
4	Is the design used in the book interesting?	96%
5	Is the textbook easier to understand?	96%
6	Is the font used easy to read?	96%
7	Is the book easily accessible?	95%
8	Do you have any problems accessing the book?	97%
9	Do you like the way the material is delivered in the book?	97%
10	Are you satisfied with the delivery method used?	93%
Total		96%

Further, a students satisfaction questionnaire is also analyzed using SPSS 25 to check the reliability by Cronbach alpha. If the instrument reliability coefficient of the calculations made using the SPSS software is more than 0.7, the instrument qualifies as reliable (Sujarweni 2014).

Table 3.2 The Result of Students' Satisfaction Rreliability

Reliability Statistics	
Cronbach's Alpha	N of Items
.894	19

The instruments resulted both in a valid and reliable number because the result of calculations is 0,894. Providing opportunities in the form of educational exercises that might aid students in developing the abilities they need as a foundation for competing to obtain a job in their field could be prioritized as one possible plan. When students enter the employees, these experiences will be of great value. The importance of developing teaching materials to obtain or produce authentic material as a starting point in each program, it must be emphasized once more in light of the findings of the need analysis discussed above. In educational process, students may learn about their goals, challenges, and requirements with regard to learning English.

CONCLUSION

This study aimed to develop English book for X TKR of Vocational high school based on contextual purposes. The findings show that SMK Darul Huda already using independent curriculum but still do not have a valid source material. To collect the data, the researchers did need analysis questionnaire as instrument and unstructured interview to triangulate the data. The next stage was designing the material to students in X grade at second semester, academic year 2022/2023. After designing the concept, the product was developed by adding vocabulary list with picture and exercise for each chapter. After validating process, the product implemented in learning process and the results proved the product is relevant to the students' needs and the implementation of the independent curriculum.

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