

**DEVELOPING STUDENTS' WORKSHEET BASED ON
SCIENTIFIC APPROACH IN LISTENING SKILL
FOR GRADE X IN SMK NEGERI 10 MEDAN**

AN ARTICLE

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ARTIKEL

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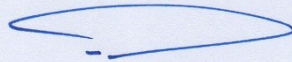
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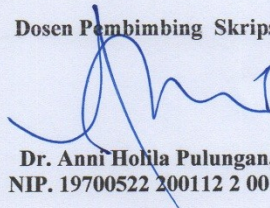
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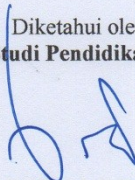
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DEVELOPING ENGLISH WRITING MATERIALS OF PROCEDURE TEXT
FOR STUDENTS GRADE 11 OF CULINARY PROGRAM
AT SMK NEGERI 10 MEDAN

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ABSTRACT

Namira, Hafiza. Registration Number: 2141121015. Developing Students' Worksheet Based on Scientific Approach in Listening Skill for Grade X in SMKNegeri 10 Medan. A Thesis. English Education Program. Faculty of Languages and Arts, State University of Medan. 2018.

Students' worksheet, as one of learning tools that is used to involve the students to work actively during teaching and learning process, should be developed based on the students' need. Students' worksheet with scientific approach in listening skill has not applied. A good student's worksheet must be satisfied criteria of valid, practical and effective. This research is a developmental research using Research and Development (RnD). It has been conducted on 35 students of SMK Negeri 10 Medan grade X for Multimedia Program. In this study, data obtained from Curriculum syllabus analysis, students' need analysis and results of validation. Students' need analysis was done to analyze the students' perception about the previous learning materials and to know what kind of learning material they need. All of student answer the questionnaire in students' worksheet in listening skill. From their answers are summarized into questions and answers for students' worksheet, especially in the listening activity.

Keywords: Students' worksheet, scientific approach, listening skill.

INTRODUCTION

-Background of Study

To improve Indonesian Education, Curriculum 2013 has to undergo constant evaluation. According to the Minister of Education Regulation (*Permendikbud*) No 69, 2013, Curriculum 2013 aims to create Indonesia citizen who possesses excellent life skill and characters. For example, religious, creative, productive, innovative and efficient both as an individual and citizen and are also able to contribute to the society, nation, state, and world civilisation.

Curriculum 2013 adopts the scientific approach which not only promotes cognitive development but also character development such as life skills. It is in line with a study by stating that scientific approach affects students' cognitive, affective and psychomotor positively.

In Indonesia, English taught as a foreign language and included as compulsory subject for junior and senior high school level, both for General High School and Vocational School, English taught as an adaptive subject that aimed to prepare the student to be able to communicate in English which is needed relevant with their major.

The expectation which is expected is students' worksheet as a student learning and one of the student learning equipment. Many of teachers who choose to use students' worksheet in the learning that will be done. Students' worksheet is chosen because it is capable enough to present the subject matter to be conveyed and is accompanied also by the training and evaluation that quite a lot. Teachers

who choose to use students' worksheet in learning let alone who make up the students' worksheet itself need to pay attention to many things.

Student Worksheets are widely used as learning materials in the learning so that students can interact with the material provided. Using of students' worksheet in learning is usually not independent or not the main teaching material and the only for learning a material. Teachers usually combine with the use of the source of the book package to make it more perfect. Not infrequently also added to the use of interactive learning media so that students can learn lessons by using students' worksheet with more easily and quickly understand what is learned.

But in reality, the students' worksheet rarely used in learning. Because, based on *kompasiana.com*, students' worksheet not need to use in learning process with the reason is the students must buy a students' worksheet. Students will not give a Students' worksheet if they not buy with it. The existence of students' worksheet on the one hand does help a teacher in presenting practice to students. However, in other hand it will reduce a teachers' function. So that teacher will tend to be lazy to make a problem because it depends on the existence of the students' worksheet itself. Students' worksheet often provided key answer. And we know students tends to rely the key answer in correcting the assignment. In here often comes a complication between students and teacher. The students who are lazy to work on the tasks in the students' worksheet with the key answer without any explanation of the answer. The students are not trained by answering questions.

Behind the expectations and reality of the students' worksheet, there are pros and cons on the use of students' worksheet learning in classroom. To decide

develop a Students' worksheet based on scientific approach in listening skills aims to facilitate students in understanding the material by practicing the questions in the Students' worksheet, even in reality the Students' worksheet does not need to be applied.

Listening is a language skill that enables human to comprehend information received while communicating directly through oral language production and helps the other skill develop. Listening is an important skill which enables language learners to receive and interact with language input and facilitates the emergence of other language skills (Vandergrift &Goh, 2012:4).

Researcher decided use interpersonal and transcriptional text because researcher make a task in the worksheet using the source of lesson plan from SMK Negeri 10 Medan, so in the lesson plan, the material applied in making Students' worksheet is to use interpersonal and transactional text. Interpersonal text is a text used to connect with others in order for us to communicate with others properly and socially and transactional text is the text used to connect with others in order for us to get what we want from the use of the text (to get things).

The result of the initial observation with an interview technique with English teacher is SMK Negeri 10 Medan not use students' worksheet because teacher give an exercise from material book and teacher give an additional tasks form another sources. In SMK Negeri 10 Medan has not a language laboratory and in listening material has not use the tool to listen an audio with headset personally, but they use speaker to listen the audio simultaneously. Researcher

decide develop a Students' worksheet in listening skill use interpersonal and transactional textbased on scientific approach for grade X.

CONCEPTUAL FRAMEWORK

Students' worksheet is a piece of paper containing guidance for doing the task assigned. It contains instructions, questioning, guide and glossary of technical terms, by which students can broaden and deepen their understanding about the topic being discussed.

In Curriculum course typically refers to the knowledge and skills students are expected to learn, which included the learning standards or learning objectives they are expected to meet, the unit and lessons that teacher teach, the assignment and projects given the students' the books method used to evaluate student learning.

As stated in the document of Republic Indonesia Minister of National Education Number 16 Year 2007 on Academic qualification standards and competencies of teachers, as for a variety of competencies that must be owned by teachers, among others pedagogical, personal, professional and social obtained through professional education. Pedagogical competencies include understanding the teacher to the learner, the design and implementation of learning, evaluating of learning outcomes, and the development of learners to actualize various potentials.

To make the learning more meaningful and easily accepted by this students, it needs a learning approach that is related to the real life experience of students

with curriculum concepts. One of learning approach that allows the connection between students experiences with curriculum learning had been suggested by National educational curriculum 2013 is scientific approach. Scientific approach that is a learning approach that is designed to make learners work actively in constructing concepts and principles through the stages observed, to formulate the problem, propose or formulate hypotheses, collect data with a variety of techniques, analysing the data, draw conclusions and communicate the concept.

Therefore the researcher though that the best way to improve students' worksheet based on scientific is from material for listening. Listening material was needed for student particularly for high school student which would impact for their listening skill.

In conclusion, by designing worksheet materials for ten grade student of vocational school especially for Multimedia major is expected to overcome the teacher's problem in designing material for student especially a worksheet which are expected to improve students' need in listening skills and their motivation in learning English particularly in listening section.

RESEARCH METHOD

This research conducts by using the educational research development (R&D) proposed by Borg and Gall(2003: 569)because this study developed student worksheet using scientific approach on curriculum to prepare teaching devices. This research was conducted by following steps six phases of R & D:

1) Gathering the Information and Data

- 2) *Analyzing the Data*
- 3) *Developing the Materials*
- 4) *Evaluating or Validating the Material*
- 5) *Revising the Material*
- 6) *Final Product*

The writer chose this model of development because it had some stages which were clear and appropriate to students worksheet in listening skill based on scientific approach.

The result place was at SMK Negeri 10 Medanat tenth grade students of multimedia program. The instruments of data collection were from questionnaires and interview of the research that analyze descriptively.

Techniques of Analyzing Data

In collecting the data the writer used questionnaires and interview. The first the writer observed the lesson plan and existing materials. Second the writer administrated the questionnaires to the grade ten students of multimedia program. In this section the writer shared the questionnaire in order to get their needs about students worksheet in listening and what are the students' problems in learning English especially in listening skill. Third the writer did interview section to the English teacher. It had function to get the information from the teacher about students' need, the obstacles in teaching learning process, and the materials that were used in the classroom.

Figure 1 Diagram of Research and Development

RESEARCH FINDING AND DISCUSSION

The Description of the Need Analysis

The Result of Questionnaire

The questionnaire was administrated to 35 students of X – Multimedia 1. They were given a questionnaire which consisted of 20 questions (Appendix B). The questionnaire itself was developed based on the theory proposed by Basturkmen (2010:30-31). They state that in order to do needs analysis there are three categories of question which should be covered, namely: necessities, lacks, and wants. The analyses of the questionnaire are presented in the following table (Appendix C).

The results of the questionnaire from the students, the writer can identify some of the students' expectations. Generally, the students want the English learning which makes them able to master about listening skill of doing task in

worksheet. The activity of students' worksheet, they want filling in the blank in a dialogue or a song lyric and multiple choices which related to the multimedia program. Furthermore, as multimedia program students they like the dialogue about multimedia program which can increase their knowledge and support their learning based on their major. So there must be more topics about students' worksheet based on scientific approach.

Then, the most important to remember is the students' worksheet in listening skill that given to the students not only should be related to the multimedia program but also should be related to the core and basic competence of lesson plan in curriculum 2013 because their school applied this curriculum.

The Result of Interview

From the interview section, the result are; first, teaching a listening learning is very good to teach for student; second, in this research in listening skill the interpersonal and transactional text form of listening activity related to basic competencies; third, the dialogue is suitable to be used as a task in students' worksheet about listening text interpersonal and transactional; fourth; the differences between interpersonal and transactional text are the interpersonal text is to get something or the information, meanwhile, in transactional text is socialization to person; fifth; Many elements that you need to learn English, especially to add and wide your vocabulary, to know how to pronounce it; sixth, the teacher does not need to explain to the students, because the students not told to teach and design a lesson plan; seventh, learning English is very good for student; eighth, Many of students are very difficult in listening to English.

Sometimes they ask to repeat the text in the audio, ninth, the teacher learn or from the material book for using learning conversation.

Developing Writing Assessments

The data was analyzed based on target needs analysis (questionnaire and interview). The materials consist of interpersonal and transactional text. From each text consist 5 task or the stage of scientific approach.

The Expert's Validation

The students' worksheet based on scientific approach in listening skill was examined by the two experts and the following tables are the result of experts' judgment.

Table 4.21 The Result of Experts Judgement Questionnaire

No.	The Lectures'/Teacher Evaluation	Experts		Means	Category
		1	2		
1	Students' worksheet curriculum competencies fill the students' learning needs.	5	5	5	Very good
2	Ease of using students' worksheet as a student learning exercise.	5	5	5	Very good
3	The questions or the activities in students' worksheet are very interesting or diverse to motivate students to be more active in learning English, especially at the listening skill.	4	5	4,5	Very good
4	The question of students' worksheet connected with syllabus (lesson plan)	5	4	4,5	Very good
5	In students' worksheet in listening,	4	5	4,5	Very good

	there are interpersonal texts and transactional texts				
6	In the LKS questions section in listening, match with the steps in the scientific approach stage.	5	5	5	Very good
7	The color's composition of the worksheets is developed.	4	4	4	Good
8	Students' worksheet in listening skill materials can add to the understanding of students' English	5	5	5	Very good
9	The using of students' worksheet increase students' interest in learning English.	5	4	4,5	Very good
10	Capture / understanding of students towards worksheets that are used by way of doing it by listening to instructions from audio.	5	4	4,5	Very good
11	Problems in worksheets on interpersonal and transactional listening texts allows students to learn English and the types of texts in it.	4	5	4,5	Very good
12	Questions in LKS encourage students to learn English well one of them in the listening skill.	5	5	5	Very good
13	Students' worksheet material is able to create an effective and conducive learning environment.	4	5	4,5	Very good
14	Interpersonal and Transactional text on LKS in the form of dialogs or text can make it easier for students to work on problems properly.	5	5	5	Very good

No.	The Lectures'/Teacher Evaluation	Experts		Means	Category
		1	2		
15	In interpersonal texts, questions in the LKS according to the relationship with the aim of being able to get something from the use of the text and transactional text according to the relationship with other people with the aim that we can establish communication with other people (socializing).	4	5	4,5	Very good
16	Presentation of images accordance with the task given.	4	5	4,5	Very good
17	Image layout is developed optimally and attractively	5	5	5	Very good
18	The use of font type and size in the ideal and proportional LKS book material	5	5	5	Very good
19	The quality of the students' worksheet is well designed.	4	5	4,5	Very good
20	The suitability of the students' worksheet material in the curriculum used.	5	5	5	Very good
The General of Mean				4,7	Very good

The result of general mean tabulated by using this formula:

General mean: $\frac{\sum total\ mean}{20}$

$\therefore \frac{94}{20}$

= 4,7 (Very good)

Based on the table above, the students' worksheet designed were categorized into good products. It can be seen from the general mean of the students' worksheet was 4,7 or was categorized as very good which could be concluded that the students' worksheet is suitable and acceptable to be taught and practiced in school, particularly for vocational high school.

CONCLUSIONS AND SUGGESTIONS

A. Conclusion

The study was aimed to know the developing students' worksheet based on scientific approach in listening skill for the grade X students at SMK Negeri 10 Medan. Based on the result of the study, there were the conclusions. In SMK Negeri 10 Medan, the students' worksheet not applied in there, because the students' worksheet there is less suitable and less help the students to understand the material in English learning.

The students' worksheet was developed by adjusting the students' worksheet with the basic competency demands and students' needs. The need analysis was conducted on September 3rd, 2018 to identify the target needs and the learning needs of the grade X students for Multimedia Program of Vocational School SMK Negeri 10 Medan. After conducting the need analysis, the students' worksheet was designed based on the syllabus in curriculum 2013 in interpersonal text and transactional text and the students' preferences about target need and learning need. The worksheet was arranged under the five stages of Scientific Approach; observing, questioning, experimenting, associating and communicating

and This worksheet related to Multimedia major. Then, the worksheet was validated by the expert. From the expert evaluation, it could be concluded that the develop worksheet based on Scientific Approach was appropriate to be used by grade X students of SMK Negeri 10 Medan.

B. Suggestion

There are several suggestions providing related to this study:

Based on the result, the writer also proposed validated worksheet. The students' worksheet has been perfected in accordance with the students' and need in English learning, the materials based on the interpersonal text and transactional text, those are expressing congratulating and expressing intention.

Furthermore, the researcher give suggestion for the next researchers who are interesting on R&D to continuing and develop the worksheet and add some materials next chapters, because the researcher before only made two chapters of worksheet. Finally the researcher give suggestion for the next researchers to adapt to the curriculum in 2013 based on the students' needs the type of worksheet based on scientific approach in listening skill for grade X in SMK Negeri 10 Medan that appropriate to the syllabus.

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