

CHAPTER II

REVIEW OF RELATED LITERATURE

A. Related Studies

First, Kaymakci studied about a review of studies on worksheets in Turkey. Worksheet is one of the most important materials for achieving the goals of educational activities. However, worksheet can be considered as a new term for Turkish educational system, because related studies have only recently been reported. A review of literature indicated that there are some studies about implementation of worksheets in teaching-learning activities. It also revealed that there is not any study about the panorama and status of inquiries related to worksheets. In this context, the aim of this study is to examine Turkish educational sciences literature about worksheets. In total, 28 master theses and dissertations listed on Turkish Council of Higher Education Web page were reviewed through document analysis. Result of the study showed the majority of studies consist of master theses and they were done in the field of science education. Besides, studies generally focus on subject teaching and were done by using experimental method. Instructional materials play an important role in ensuring the effectiveness of teaching and learning activities. Worksheet is a kind of printed instructional material that is prepared and frequently used by teachers in order to help students to gain knowledge, skills and values by providing helpful comments about the course objectives and enabling students to engage in active learning and learning-by-doing in and out of the school. Worksheets

have been used in educational activities for a long time. It can be claimed that using of worksheet in educational activities started after the invention of paper and writing. But, modern worksheets were started to be used in education with the invention of pen and pencil after the American Civil War (1861-1865) in order to support teaching and learning.¹

Second, Karsli and Sahin studied about developing worksheet based on science process skills: factors affecting solubility. The purpose of this study is to develop a worksheet about the factors affecting solubility, which could be useful for the prospective science teachers (PST) to remind and regain their science process skills (SPS). The pilot study of the WS was carried out with 32 first grade PST during the 2007-2008 academic year in the education department at Giresun University, Turkey. Action research methodology was used in this study. Thoughts from experts were received during the development on the worksheet. The study have some limitations in providing concrete evidence as to how the WS based on SPS effects the PST SPS, since the paper is a suggestion. For this reason, to investigate its effectiveness in a comparative manner, further research should be undertaken.²

Third, Taslidere studied about the effect of concept cartoon worksheets on students' conceptual understandings of geometrical optics. The purpose of this study was to investigate the effect of concept cartoon worksheets, gender and their

¹Selahattin Kaymakci, "A Review of Studies on Worksheets in Turkey," *Unpublished Thesis*, Turkey: Karadeniz Technical University, 2006, p. 57.

²Fethiye Karsli and CigdemSahin, "Developing Worksheet Based on Science Process Skills: Factors Affecting Solubility," *Unpublished Thesis*, Turkey: Giresun University, 2009, p. 1.

interaction on pre-service science teachers' conceptual understanding of geometrical optics. Participants were 121 sophomore students from four intact classes. A quasi-experimental design was used as the research method. The experimental group studied geometrical optics with implementation of concept cartoon worksheets prepared in consideration with a constructivist view of learning while the control group studied the lesson unit with traditional instruction. Students' conceptual understandings of geometrical optics were measured by a tree-tier misconception test. The main effects of treatment, gender and their instructions on post-test scores were examined via ANCOVA test. The analysis yielded that the worksheets produced a statistically significant treatment effect; however, gender and gender treatment interaction effect on students' post-test performances were not significant. Worksheets are important educational tools that help them construct knowledge in their own minds and encourage students to participate in classroom activities. It was reported that worksheets draw students' attention to lessons and help them gain conceptual understanding. The worksheets were administered to the students at three different reading ability levels. The results suggested that type of worksheet does not have immediate differential effect on students' achievement.³

Thus, the writer suggests for the teachers, they must choose or create a right worksheet for their students. Because, worksheet are important educational tools that help them construct knowledge in their own minds and encourage students to

³ErdalTaslidere, "The Effect of Concept Worksheet on Students' Conceptual Understandings of Geometrical Optics," Turkey: Mehmet AkifErsoy University, 2013, p. 143.

participate in classroom activities. Worksheets have been used in educational activities for a long time. It can be claimed that using of worksheet in educational activities started after the invention of paper and writing. For the editor, they must be carefully and be good editor. These incorrect worksheet for students are actually not the teacher error only, but also the editors so that, the editor must pay attention. For the publisher, they should be care about the English version because this edition will be read by all people around the world.

The differences between the three previous studies and this study are the method and the subject of the study. The subjects in Kaymakci's study are the learners of the fall semester of 2010-2011, the subjects in Karsili and Sahin's study are the 32 first grade prospective science teacher (PST), and the subject in Taslidere's study are 121 sophomore students from four intact classes. Whereas in this study, the writer uses the sample or subject is the first semester of eleventh grade of SMKN 1 Palangka Raya. The similarity of the three previous studies and this study is the research and development methodology.

B. English Language

English language learners naturally want to develop a grasp of the language for social, as well as academic, purpose. To achieve that goal, they have to start with the essentials – the language of everyday life, in the community and at school. Through a variety of simple techniques, you can play a powerful role in helping students to add English to their repertoire of languages.

Students' first languages are a critical foundation, not only for language learning, but for all learning. You can build on English language learners' language skills, other prior knowledge, and cultural backgrounds to enhance their understanding of English and ease their integration into the mainstream classroom, while increasing all students' awareness of the benefits of cultural diversity.

Students benefit academically and socially, and their self-esteem is enhanced, when they are encouraged to maintain and develop proficiency in their first language while learning English. Research shows that language skills and conceptual knowledge are generally transferable from one language to another. First language, therefore, provide a foundation for developing proficiency in additional languages. First languages also help students preserve vital links with their families and cultural backgrounds and a solid sense of their own identity. A strong foundation in their first language helps students:

- a. Develop mental flexibility;
- b. Build problem-solving skills;
- c. Experience a sense of cultural stability and continuity;
- d. Understand their own cultural and family values;
- e. Become aware of the value of cultural diversity and multiple perspective,
and;

Expand their career opportunities.⁴

C. Material of the Study

Kinds of material in this study are Sign & Symbol, Talking about Self and Description People. The writer chooses these materials because are the students are more like a worksheet with many pictures and colors and some of they materials are found in KTSP 2006 and curriculum 2013. Sign and symbol are usually found along the road or at a certain place. They are usually used to give people a warning or to prohibit not to do something. If there is no cross on the sign or symbols that means command or instruction that someone is allowed to. If there is a cross on the sign or symbol that means prohibition that someone is not allowed to.⁵ We see a lot of traffic signs along the way we pass. The traffic signs will help drivers run their cars or motorcycles orderly. Later, we can get to our destination safely. Graphical symbol are vital for giving information when written are not adequate. Graphical symbols, has defined internationally accepted requirements for designs, colors, content and shapes of graphical symbols. These symbols convey important messages about product features, directions and other aspects of daily life – whether at work, at home, or for leisure. Critical areas include health and safety related warnings, prohibitions and mandatory actions. The general public will encounter safety signs in a variety of situations, including in workplaces, public areas and on products. The standardized

⁴ Ontario, *Many Roots Many Voice*, Recycled Paper, 2005, p. 10-16.

⁵ Anggota IKAPI, *Modul Star Buku Ajar Bahasa Inggris Kelas X Semester Genap*, Solo: Putra Kertonatan, 2006, p. 18.

colors and basic shapes for safety signs are therefore important in helping to ensure that the different types of safety signs, and the safety messages they convey, are easily recognizable. Further examples of types of safety signs are:

- a. Warning sign (warning: electricity, warning: hot surface)
- b. Prohibition sign (no smoking, do not use lift in the event of fire)
- c. Mandatory action sign (wear protective gloves, refer to instruction manual/booklet)
- d. Safe condition sign (emergency telephone, break to obtain access, emergency exit (right hand))
- e. Fire safety sign (fire extinguisher, fire alarm call point)

Talking about self is a material of the action or practice of talking to oneself, either aloud or silently and mentally. While describing people is a material describes people about his/her physical appearance and personality.

An example of *Talking about Self* :

Good afternoon, fellows. May I introduce myself? My name is Rafael Romero. Just call me Rafa. I was born in Mexico, but my parents moved to the USA when I was young, so I'm an American.

Another example of *Talking about Self* :

- Hi, I'm Baskara.

- Hello, my name's Baskara.

- Good evening. My name is Baskara.
- May I introduce myself? I'm Baskara.
- Let me introduce myself. My name is Baskara.
- How do you do? My name is Baskara.

From two examples above, it can be concluded that Talking about Self is a material which introduce about his/her self.

While an example about *Describing People* :

I have a friend. Her name is Rachel. She is **good looking**. She is **tall**, with **white skin** and **wavy black**. She is **kind** and **friendly**.

In the example above, there are some adjectives which describe someone. *Good looking, tall, white skin,* and *wavy hair* shows physical appearance while *kind* and *friendly* shows personality.

It can be concluded that describing people is a material explains about description of people both physical appearance and personality.

D. Need of students and teachers.

In this study, the students' and teachers' need are something that is needed by students and teachers in education. Different types of students have different needs, and what they are taught should be restricted to what they need. The identification needs of students and teachers are considered important since the actual success of a program is determined by the result of it. In order to suit the needs of students and teachers, the development of students' worksheet which be started from the need's

user in this study was based on the result of needs assessment from the diagrams.

According to Graves in Suita, needs assessment involves finding out what the learners know and can do and what they need to learn or do so that the course can bridge the gap (or some part of it).⁶ This assessment was conducted in order to obtain the information about students' and teachers' need toward student's worksheet in supporting English learning process.

E. Worksheet

Worksheets are one of the teaching methods which can be done individually or in group work and enable conceptual development. Worksheet are written materials consisting of individual activities which the students will do while learning a topic and also will enable to students to take responsibility for their own learning with the given process steps related to these activities.⁷ Worksheets are frequently used by the teachers and the students. There are studies which reveal that worksheets enhance student interest in the lesson and have qualities which affect success positively. Moreover, it is suggested that teachers should use student-centered contemporary teaching methods to increase student interest success in English lesson. Worksheets activate the students more and they usually increase success.

According to Sanni and Lestari, using student worksheet in learning process helps students to understand the material by themselves. Student worksheet also gives

⁶ Ratna Suita, *Developing English Instructional Materials for the First Year Beauty Skill Program Students of SMKN 3 Malang*, Malang: State University Malang, 2009, p. 37.

⁷ J. U. Michaelis and J. Garcia, *Social Studies For Children*, USA: Allyn Bacon, 1996.

a large chance for the students to show up their ability and develop thinking process through looking for, guessing, and logically. The development of the student worksheet follows ADDIE model, there are: analyze, design, development, implementation, and evaluation. The instruments of the research are validation questionnaire, student response questionnaire, learning observation sheet, teacher interview, and test. The quality of student worksheet is:

1. Very valid, based on validity questionnaire showed 4.01 of 5 scales
2. Very effective, based on student test reached 80.56% students can complete the test
3. Practice and very practice, based on both student response questionnaire raised 3.03 of 4 scales and learning observation sheet raised 81,6%.⁸

According to oxford dictionary, worksheet is a paper on which work that has been done or is in progress is recorded.⁹ Student's worksheet is sheets contain task must be done by student. Usually, the worksheet formed steps or instruction to solve a task, and the task must became indicator will be achieved. Using student worksheet in teaching - learning process help students to understand the material by themselves. Student worksheet also gives a large chance for the students to show up their ability and develop thinking process through looking for, guessing, and logically. The main of learning is a changing behavior because an experience.

⁸ Sanni Merdekawati and Himmawati Puji Lestari, "Developing Student Worksheet In English Based On Constructivism Using Problem Solving Approach For Mathematics Learning On The Topic Of Social Arithmetics," Yogyakarta: Universitas Negeri Yogyakarta, 2011, p. 895.

⁹ A S Homby, *Oxford Advanced Learner's Dictionary*, New York: Oxford University Press, 1995, p. 1377.

Therefore, this student worksheet is to enrich student's experience.¹⁰

Worksheet is an instructional material that contains teaching materials that are constructed such that students are expected to learn the teaching materials independently. In the worksheet, the students will get the material, summaries, and tasks associated the material. In addition, students can also find referrals are structured to understand the material provided. And the same time, students are given the materials and tasks associated with the material.

The functions of worksheets consist are:

- a. As material; which can minimize the teacher's centre, but it's more activate to the students,
- b. As material; to make students easy to understand the material which is given,
- c. As material; which has brief material and many task to be exercises,
- d. Facilitating the student in learning process.

The purposes of worksheet consist are:

- a. To provide material which make students easy to interact with the material is given,
- b. To serve task which increase mastery toward the material is given,
- c. To train self-independent student in studying,
- d. To be easy for the teacher in giving task to the students.

¹⁰Trianto, *Mendesain Model Pembelajaran . . .*, p. 9.

The Various Worksheet is Used by Students are:

- a. The worksheet helps students to find a concept,
- b. The worksheet helps students to apply and integrate some concept was found,
- c. The worksheet has a function as an instruction in studying,
- d. The worksheet has a function as an affirmation,
- e. The worksheet has a function as a practical instruction.

The types of worksheet are:

- a. Matching worksheet usually asks students to match up pairs of items
- b. Word scrambles worksheet help improve vocabulary and spelling
- c. Jumbled sentences worksheet is presented with its word all mixed up and students have to put them into the correct order
- d. Sorting worksheet, students are presented with a collection of items (words, phrases, phonemic characters etc) and asked to “sort” them into particular categories
- e. Multiple choice worksheets are basically quiz-type exercises
- f. Gap fill worksheets where students insert the right words in gaps in the text
- g. Labeling worksheets where students annotate an illustration.

In this research, the worksheet helps students to apply and integrate some

concept was found and as an instruction in studying.¹¹

The steps to arrange a worksheet:

- a. Making conventional worksheet
 1. Analyzing the curriculum
 2. Making maps need and worksheet's titles
 3. Writing the worksheet
- b. Making interactive worksheet
- c. Making web
- d. Combining interactive worksheet and web

The requisite of the good worksheet:

- a. The language communicative
- b. The format and image must be clear
- c. Having a clear goal
- d. Having a consideration content and information processing

The excellence of worksheet:

- a. Helping students to develop and expand to readiness
- b. Arouse students' enthusiasm to learn
- c. Directing student learning, so the students have more strong motivation to study hard

¹¹Andi Prastowo, *Panduan Kreatif Membuat Bahan Ajar Inovatif*, Jogjakarta: Diva Press, 2012, p. 203

- d. Give students opportunities to develop and progress in accordance with their respective capabilities

The weakness of worksheet:

- a. The questions on the worksheet tend to be monotonous
- b. The worksheet only train students to answer the question, it is not effective without a proper understanding of the concept
- c. The worksheet can only display the silent images and it can not move, so that students can understand the material sometimes less quickly
- d. Make a boring learning for students if not combined with the other media.

The ways to overcome these shortcomings:

- a. Teachers are expected to make a worksheet that has a variety a problems
- b. Teachers have the handbook except worksheet and the worksheet is not only the questions that must be done by students, but a number of field activities for learners
- c. The teacher can combine between print media and the support media, such as audio-visual

To avoid boredom teacher should merge between some media

According to Depdiknas, generally the worksheet structures include: (1) the title of the subject; (2) learning instruction; (3) competency to be achieved; (4)

indicator; (5) supporting information and work steps; (6) tasks; (7) assessment.¹²

One of the ways to present the material in the learning process is to use the worksheet. Worksheet is a learning resource that can be developed by the teacher as a facilitator in the learning activities. The compiled worksheet can be designed and developed in accordance with the conditions and situations in the learning activities which is faced. Worksheet is also a learning medium because it can be used in conjunction with a learning source or other learning media. Worksheet becomes a learning source and instructional media depends on learning activities which is designed.¹³

¹² Depdiknas, *Pedoman Khusus Pengembangan Silabus dan Sistem Penilaian Pengajaran Fisika*, Jakarta: Depdiknas, Dirjen Mandikdasmen, 2007.

¹³ E. Widjajanti, *Kualitas Lembar Kerja Siswa*, Yogyakarta: Universitas Negeri Yogyakarta, 2008.