
The Development of English E-Worksheet using Wizer.me

Viona Venssia Devaldi¹, Diana Oktavia², Winda Trisnawati³

Universitas Muhammadiyah Muara Bungo

Jl. Rang Kayo Hitam, Cadika, Kec. Rimbo Tengah, Kabupaten Bungo, Jambi 37211

ARTICLE INFO

Article history:

DOI:

[10.30595/pssh.v18i.1283](https://doi.org/10.30595/pssh.v18i.1283)

Submitted:

02 September, 2024

Accepted:

19 September, 2024

Published:

23 September, 2024

Keywords:

Development, E-Worksheet
Wizer.me

ABSTRACT

This research was conducted to develop more various teaching materials in English subject. Based on the observation and interview conducted by researcher in SMAN 1 Bungo, it was found that the students do not like monotonous learning in English class. Therefore, the English teacher used the electronic teaching materials and media to support the teaching and learning process. Moreover, the students are allowed to use cellphone and laptop to support their studying. To provide more various teaching materials, the research used research and development or R&D methods within ADDIE model. The research subjects were grade 10 students at Senior High School. The instrument used in this research is the process of designing E-Worksheet using Wizer.me, after that Experts of Validation which consists of content experts and media experts. The last is the Practicality questionnaire. The validity results have been tested by four experts which include content experts and media experts. The validity test conducted by content experts obtained a percentage of 73% and 91% which means fairly valid and very valid, then media experts obtained a percentage of 85% and 93% which means very valid. Moreover, the results of the effectiveness of E-Worksheet that were tested on students and teachers obtained a percentage of 91% and 93% which were categorized as very effective.

This work is licensed under a [Creative Commons Attribution 4.0 International License](https://creativecommons.org/licenses/by/4.0/).



Corresponding Author:

Viona Venssia Devaldi

Universitas Muhammadiyah Muara Bungo

Jl. Rang Kayo Hitam, Cadika, Kec. Rimbo Tengah, Kabupaten Bungo, Jambi 37211

Email: vionavenssiadevaldi@gmail.com

1. INTRODUCTION

Minister of Education and Culture Regulation number 103 of 2014 states that modern learning styles require student-centered learning. However, the learning process tends to be teacher-centered, which causes many students to become passive, lazy, bored, and not understand the concepts being taught. According to Asrori and Suparman (2019), therefore, teachers need teaching materials. There is a lot of research has been carried out on the development of E-Worksheet. For example, research (Syafitri & Tressyalina, 2020) found that developing E-Worksheet based on CTL (Contextual Teaching and Learning) is very important. However, this research is limited to one basis. By knowing the development of E-Worksheet with various innovations that suit learning needs and objectives, researcher must realize how important E-Worksheet is to support student learning because it will make learning activities easier, save time and more interesting.

One of the supporting tools in learning English is student worksheet so that students are more enthusiastic in implementing learning, teachers can develop their creativity in making student worksheet. Student worksheet can be developed into E-Worksheet where students can access this worksheet via various websites, one of which is the wizer.me website. Colorful and attractive student worksheet can eliminate students boredom and can create

enthusiasm for working on worksheets. On the wizer.me website there is a response if students have finished completing the assignment, you can see whether their answer is correct or incorrect. Teachers can also provide comments related to the answers given by students.

Research by Firly Annisa Zein, a student at the Kiai Haji Achmad Siddiq Islamic State University, Jember, Faculty of Tarbiyah and Teacher Training in 2023 with the research title "Development of Interactive Electronic Student Worksheets (E-LKPD) Using Wizer.me in Learning IPS in Community Life Materials Hindu-Budhist class VII SMPN1 Panti". "This research aims to develop ordinary LKPD into E-LKPD using the wizer.me website for social studies learning about social life during the Hindu-Buddhist period in class VII of SMPN 1 Panti." This research uses research and development methods, Research and Development (R&D). Research and development methods according to Borg and Gall quoted from Sugiyono are research methods used to produce certain products and also test the effectiveness of the products produced. The research results obtained were that the calculation yielded a percentage of 76 percent. From these percentage results, we can say that E-LKPD gets the criteria category with Wizer.me. Quite consistently, the findings show that the E-LKPD product using Wizer.me, experiments have been carried out on students. class VII at SMP Negeri 1 Panti, but after following the procedures, the material expert suggested this change.

Based on an interview conducted by one of the English teachers who teaches at SMAN 1 Bungo, she said that technology is extremely helpful, especially for next milenial students who prefer to learn using cellphones. Before starting learning, the teacher carries out differentiated learning, carries out an assessment at the beginning of learning. Besides that, technology also makes students excited, and learning is more conducive and classroom learning is also not monotonous, so to keep up with existing developments researcher developed this E-Worksheet using wizer.me. The teacher also said that currently there is no special website platform from the school to work on students worksheets using technology, teachers who teach actively look for their own teaching materials, one of which is through the platform Independent Teaching (PMM).

By developing worksheets using the wizer.me platform, it will be easier for teachers to develop materials and design teaching materials according to the needs that are available on the platform. It will be easier for teachers to create questions or exercises for students. This research was conducted by the researcher at SMAN 1 Bungo, especially for class 10 students. Students in class 10 already use cellphones in their learning. Students prefer learning that uses technology rather than just doing assignments through printed books or paper, which really makes students bored and less understanding about the questions given by the teacher.

Researcher raised this research with the title of The development E-Worksheet using wizer.me because there were no previous researcher who developed wizer.me-based E-Worksheet for English lessons in high school and also in these high schools students have used technology in learning activities, such as using laptops and cellphones. Therefore, this paper will introduce a new concept of student E-Worksheet.

1.1 Definition of Wizer.me

There are various types of E-Worksheet that allow students to learn interactively. One of them is the wizer.me website. Wizer.me is a website that offers complete features to complete assignments given by teachers online. Wizer.me encourages teachers' creativity in creating worksheets electronically with a large selection of question types, such as open-ended questions, multiple choice, assignments, word finding, drawing, gap filling and tables (Kopniak, 2018).

Interactive worksheets on the wizer.me website allow you to conceptualize material through simple experiments, understand material using videos, practice questions, and complete learning represented by mind maps (Kumalasari & Julianto, 2021). Teachers and parents can also monitor learning progress and provide feedback and encouragement to students (Nasution et al., 2020).

The characteristics of the wizer.me website are in the learner activity section such as various features and the features can be supported by adding audio / video (Kumalasari & Julianto, 2021). It can also be used for distance learning (PJJ), and the wizer.me website has an evaluation media function that facilitates the teacher's work because he can easily print the material he has made. Examples of other activities that can be carried out include writing LKPD, daily assessment assessments, reinforcement activities, revision and giving homework, etc. (Putri & Indrawati, 2021).

The wizer.me website has advantages, namely according to (Sulastri et al., 2023): (1) E-LKPD can be packaged attractively because it is supported by the themes provided by wizer.me, (2) The question features provided are also varied and can be used according to the needs of the teacher, especially being able to make questions such as the National Analysis exam type. (3) E-LKPD can also contain images, audio, and video that support students' learning activities. (4) Learners can access E-LKPD through smartphones, tablets, or laptops. (5) All activities, from students working on assignments to the stage of collecting assignments can be done online, and teachers can immediately see the score of the work results. The disadvantages of the wizer.me website are that not all teachers have the ability and knowledge to develop E-LKPDs and the weakness is that not all schools have a stable internet network (Indraswati et al., 2023). And, according to (Kumalasari & Julianto, 2021) the

shortcomings of wizer.me concern several aspects of certain technical, financial, organizational, psychological and methodological problems. With the many features contained on the wizer.me website, it can help students be more enthusiastic in doing assignments, especially in English lessons so that they are not boring.

2. LITERATURE REVIEW

English Learning

Education in Indonesia now uses an independent curriculum where English is a mandatory subject studied in elementary schools. However, this is different from middle school and high school, English is an official subject that must be taught to students. The teaching and learning process in the world of education does not always run smoothly, especially for those who don't like some of the subjects they have to study. In any educational environment, there are always obstacles in the teaching and learning process. These learning difficulties also contribute to low academic achievement among students currently receiving this training.

English is a foreign language which is a subject for children in elementary and middle school and high school. English is also a determinant of a child's graduation from school. Learning English in high school consists of four language skills that students must master: listening, speaking, reading and writing. English plays an important role in communication and as a bridge to the outside world. English has a strategic role in the field of basic education. To determine educational success, the quality of learning and teaching must be improved. Good and correct English learning must be supported by quality human resources. In other words, improving the quality of human resources can have a positive impact on improving English language learning. Therefore, it is necessary to develop different learning models that can increase motivation and interest in learning English.

Student Worksheet

Based on the regulation of the Minister of education and culture No. 22-year 2016, the learning process in educational units organized in interactive, inspiring, fun, challenging, motivating learners to participate actively, as well as provide enough room for initiative, creativity, and independence in accordance with their talents, interests, and physical and psychological development of learners. (Kemendikbud, 2016: 1).

In schools, student worksheets are still use in the form of books or plain paper and worksheets are presented in such a way that makes students less interested in using them in the learning process. During the learning process, teachers provide worksheets to students only when doing learning activities, and the worksheets used do not fulfill the elements previously described (Rahayu et al., 2017).

3. RESULTS AND DISCUSSIONS

Produce products in the form of electronic student worksheets using Wizer.me in English language learning is the purpose of this research. Development of electronic worksheets. This learner worksheet electronic development uses the type of R&D (Research and Development) research by using the ADDIE model as a research reference. The following are the steps of data presentation using ADDIE :

A. Analysis

At this stage of the analysis, researcher analyzed the needs of students in doing assignments, students at school already use mobile phones and laptops in learning. In addition, the school already uses the 2013 Curriculum (K13) where K13 requires teachers to be able to combine learning with the help of technology.

1. Problem Analysis

Problem analysis aims to see problems and problems that arise require solutions in the form of product development. Previously, the researcher had conducted a mini interview with one of the English teachers and several students, in an interview conducted by the researcher to one of the teachers, the teacher said that students did not like something monotonous so it made the teacher have to be more improvisational in learning. The teacher also said that the school does not yet have electronic teaching materials, only teachers who look for electronic teaching materials and it is usually searched through the independent learning platform (PMM).

In conducting observations, researcher also saw that there were still several classes that did not use technology during learning, teachers also used textbooks in learning. Researcher also conducted interviews with 5 students related to E-Worksheet, students said that they tended to like E-Worksheet compared to Conventional Worksheet, students also said, if there was a video in the E-Worksheet, it would be more exciting and not make students bored in doing the assigned tasks.

2. Need Analysis

From the analysis of the problems above, the researcher concluded that students need additional worksheets in the form of interactive E-Worksheets that are easy to use by teachers and students. The E-Worksheet will also help students work on assignments that have been given by the teacher and in the E-Worksheet there will also be additional features where the teacher can enter videos and students can also answer questions given through audio. Researchers developed this E-Worksheet because students already use electronics and digital in learning.

B. Design

At this stage, the researcher should design the electronic worksheet on the Wizer.me platform. Before designing the worksheet, researcher must develop questions that will be done by students, the questions must be in accordance with the existing ATP. After developing the questions, the researcher will design the questions that have been developed into the wizer.me platform. In the platform there are already several activities that can be used by teachers in making questions, teachers can make multiple choice questions, essays, mix and match, and others.

C. Development

At the development stage, the stages carried out include validation from experts to determine the validity of the learner worksheets developed through the wizer.me platform. The first validity test carried out is the material validity test which aims to review the contents of the questions including the accuracy of the questions, the suitability of the questions and the accuracy of the questions that have been developed by the researcher, besides that it also provides suggestions or improvements and certifies the product as an E-Worksheet that is suitable for use. Meanwhile, the media expert assessment aims to review the existing media, see whether the media used is suitable and can be used by teachers. The assessment aims to see errors before being tested.

D. Implementation

This implementation is carried out to obtain data on the practicality and feasibility aspects of the learner worksheets developed. At this stage the learner worksheets that have been developed will be tested on respondents, namely class 10 A students. The implementation test carried out at this stage is a small group trial aimed at 7 students.

This small group trial aims to find out comments and suggestions related to the learner worksheet to be developed. After obtaining data and revisions in the small group trial, researchers will conduct a large group trial consisting of 20 students in class 10 A to find out the students' responses to the E-Worksheet that has been developed.

E. Evaluation

The evaluation step aims to analyze the practicality and feasibility of the E-Worksheet developed at the implementation stage and revise the product based on the evaluation during the field trial so that the E-Worksheet is ready for use. At this evaluation stage, the researcher evaluates the product by rechecking the product that has been developed based on the content experts and media experts suggestion. Through this evaluation, the researcher has made improvements given from the validator.

Experts Validaton

From the results of the material validation test that has been carried out by RK as validators 1 and LB as the validators 2 the percentages are 73% and 91%. From the results of these percentages it can be said that E-Worksheet using Wizer.me gets the category of Fairly Valid and Very valid. These results indicate that E-Worksheet products using Wizer.me can be tested on grade X students at SMA Negeri 1 Bungo, but after going through the revision process suggested by the material expert.

From the results of the media validation test that has been carried out by YI as validators 1 and AR as validators 2 the percentages results are 85% and 93%. From the results of these percentages it can be said that E-Worksheet using Wizer.me gets a very valid category. These results indicate that the E-Worksheet product using Wizer.me can be tested on grade X students at SMA Negeri 1 Bungo without any revisions.

Try Out

Based on the data above, the practicality score obtained by a small group of only 7 learners is 269 points out of a maximum score of 371 points. while the percentage score obtained is 96%. Based on the previous percentage value interval, it can be concluded that the practicality and feasibility test of this E-Worksheet is declared very valid, so this E-Worksheet can be implemented in a large group trial.

Based on the data above, the questionnaire conducted by a large group of 20 students using a score scale of 1-5, the data results obtained were 1,004 points out of 1,100 points with a percentage of 91%, so it was declared very valid.

4. CONCLUSIONS

The results of research and development that have been carried out by researcher. The results of the research and development that have been carried out by researcher in the form of E-Worksheet developed through the Wizer.me platform on English learning at SMAN 1 Bungo have been conveyed in the previous explanation, it can be seen that the product review in this study is as follows :

- a. The validity of this E-Worksheet is shown from the results of validation by material experts obtaining a percentage of 73% and 91% which are declared Fairly valid and Very Valid. Validation by media experts obtained a percentage of 85% and 93% which were declared Fairly valid and Very Valid.

- b. The Practicality of this E-Worksheet is shown from the results of small group learner responses getting a percentage of 96%, which means very effective. effective and the large group test got a percentage of 91% declared very effective.

Based on the results of the validity and effectiveness of this product for research materials conducted by researcher. Products that are often used by teachers in learning are also the same to help students learn. in learning. Researchers developing this product can be as input to help teachers add insight into the types of platforms that can facilitate teachers in learning.

REFERENCES

- Arini, P.B dan Ahadiyat Y.R. 2021. *Pengaturan suhu inkubasi dan perlakuan benih dalam upaya meningkatkan daya tumbuh benih carica*. *Jurnal Kultivasi*, 20 (3)
- Copeland, L. O. and M.B. McDonald. 2001. *Principles of Seed Science and Technology*. Massachusetts: Kluwer Academic Publisher.
- de Oliveira, K. G., Queiroz, V. A. V., de Almeida Carlos, L., de Moraes Cardoso, L., Pinheiro Sant'Ana, H. M., Anunciação, P. C., de Menezes, C.B., da Silva, E.C. & Barros, F. 2017. *Effect of the storage time and temperature on phenolic compounds of sorghum grain and flour*. *Food Chemistry*, 216: 390-398.
- De Vitis, M, FR Hay, JB Dickie, C Trivedi, J Choi, and R Fiegenger. 2020. *Seed storage: maintaining seed viability and vigor for restoration use*. *Restoration Ecology*. 28(S3).
- Harnowo, D. 2017. *Prinsip-prinsip Pengelolaan Pasca Panen untuk Mempertahankan Daya Simpan Benih Kedelai*. IAARD Press. Jakarta
- [ISTA] International Seed Testing Association. 1999. *Seed Science and Technology. International Seed Testing Association*. Zurich: Switzerland.
- Justice, O.L., dan L.N. Bass. 2002. *Prinsip dan praktik Penyimpanan Benih*. Rennie., R, Penerjemah. Jakarta : Raja Grafindo.
- Indartono. 2011. *Pengkajian suhu ruang penyimpanan dan teknik pengemasan terhadap kualitas benih kedelai*. *Jurnal Gema Teknologi*, 16 (3): 158-163.
- Kuswanto, H. 2003. *Teknologi Pemrosesan, Pengemasan dan Penyimpanan Benih*. Yogyakarta: Kanisius.
- Nugraheni, M. 2018. *Buku Kemasan Pangan*. Yogyakarta: Plantaxia
- Nurisma, I., Kamal, M., dan Agustiansyah. 2015. *Pengaruh Jenis Kemasan dan Suhu Ruang Simpan Terhadap Viabilitas Benih Sorgum (Sorghum bicolor Arini(L.) Moench)*. *Jurnal Penelitian Pertanian Terapan*. Vol 15 (3): 183-190.
- Ratule. M. T., dan Aqil. M. 2013. *Teknologi Pascapanen Gandum*. Maros: Balai Penelitian Tanaman Sereal.
- Robi'in. 2007. Perbedaan Bahan Kemasan Dan Periode Simpan Dan Pengaruhnya Terhadap Kadar Air Benih Jagung Dalam Ruang Simpan Terbuka. *Buletin Teknik Pertanian*. Vol. 12 (1): 7-9.
- Salam, A. 2016. *Pengolahan benih Tanaman*. Jakarta: Direktorat Jenderal Guru dan Tenaga Kependidikan.
- Sari, W., dan Faisal. M. F. 2017. Pengaruh Media Penyimpanan Benih Terhadap Viabilitas Dan Vigor Benih Padi Pandanwangi. *Jurnal Agroscience*, 2 (2): 300-310.
- Sumarno, Darnardjati DS, Syam M & Hermanto. 2013. *Sorgum Inovasi Teknologi dan Pengembangan*. Badan Penelitian dan Pengembangan Pertanian. Kementerian Pertanian: IAARD Press
- Sennang, N. R. dan Nurfaida. 2012. *Budidaya Sorghum*. Makassar : Masagena Press.
- Widajati, E.ER Palupi, E Murniati, TK Suharsi, A Qadir, MR Suhartanto. 2013. *Dasar Ilmu Dan Teknologi Benih*. Bogor: IPB Press.