

**AN ENGLISH RESEARCH JOURNAL WEB PAGE FOR ENGLISH EDUCATION
DEPARTMENT OF STKIP PGRI TRENGGALEK**

Rika Yulita Hardiyani, Sri Utami Dewi

STKIP PGRI Trenggalek

Email: rikayulita12301@gmail.com , muthiadewi_83@yahoo.co.id

Jl. Supriyadi 22 KP. 66319 Trenggalek

Abstrak: Penelitian ini adalah untuk mengembangkan halaman web sebagai tempat kumpulan jurnal dosen prodi pendidikan bahasa inggris untuk kebutuhan referensi penelitian. Desain penelitian ini adalah R&D pendidikan yang digabungkan dengan metode penelitian kuantitatif. Peneliti menentukan semester keempat mahasiswa Jurusan Pendidikan Bahasa Inggris STKIP PGRI Trenggalek 2019/2020 tahun akademik sebagai subjek. Instrumen yang digunakan dalam penelitian ini adalah angket, wawancara, observasi, dan tes. Teknik analisis data pengembangan media ini menggunakan teknik analisis kualitatif dan kuantitatif. Produk ini dikembangkan dalam Lima langkah pengembangan. Hasil skor analisis kebutuhan adalah 2055. Dengan demikian, responden setuju bahwa mata kuliah Pengantar Penelitian harus adanya media pembelajaran. Kemudian, hasil skor uji lapangan adalah 2530. Artinya, responden setuju bahwa produk penelitian ini sangat baik dan layak untuk digunakan sebagai media dalam pembelajaran mata kuliah Pengantar Penelitian. Peneliti menggunakan rumus uji-t berpasangan untuk menghitung hasil tes. Setelah memperoleh hasil, peneliti menyimpulkan bahwa ada efek pada pembelajaran siswa dengan media. Dengan demikian, halaman web sebagai tempat kumpulan jurnal pendidikan bahasa inggris untuk kebutuhan referensi penelitian telah mampu mencapai tujuan penelitian.

Kata Kunci : jurnal penelitian, halaman web, mahasiswa

Abstract: This research is to develop An English Research Journal Web Page for English Education Department of STKIP PGRI Trenggalek. The design of this research is R&D education combined with quantitative research methods. Researchers determine the fourth semester of English Education Department STKIP PGRI Trenggalek 2019/2020 academic year as subject. The instruments used in this research were observation, interview, questionnaire, and tests. The data analysis technique of media development uses qualitative and quantitative analysis techniques. This product was developed in five steps of development. The results of the needs analysis score were 2055. Thus, respondents agree that Introduction to Research subjects' must have a learning media. Further, the results of field-testing score were 2530. It means that the respondents agreed that this research product was very good and was worthy of being used as media in learning Introduction to Research subjects'. Researchers used the paired t-test formula to calculate test results. After receiving the results, the researchers concluded there were an effect on student learning with media development. Furthermore, English Research Journal Web Page has been able to achieve the objective of the research.

Key Words: research journal, web page, college student

INTRODUCTION

At present, electronic-based learning has become an educational obligation. E-learning is teaching instruction delivered on a digital device that is supposed to assist learning (Mayer & Clark, 2016: 8). Further, e-learning absolutely a delivery platform with an attractive set of abilities (Allen, 2016: 5). In addition, e-learning can be interesting by

developing some creative things by a few rare and open time lines (Allen, 2016: 22). Thus, e-learning is teaching instruction delivered on a digital device with an attractive set of abilities that is supposed to assist learning.

Refer to the explanation above, that must be needed to help electronic-based learning media that can facilitate students' one of is a web page. Web page is papers that apply as a web resource on the World Wide Web. To open a web page, requires the Internet to recover a web page. The specific of web pages are hypertext documents which contain hyperlinks, for browsing to other web pages (Castro & Elizabeth, 2005). Further, Lukmanul (2004) stated that web page is an internet facility that connects documents in local or long-distance scope. Documents on the website are called web pages and links on the website allow users to move from one page to another (hypertext), between pages stored on the same servers around the world. Pages are accessed and read through browsers such as Netscape Navigator, Internet Explorer, Mozilla Firefox, Google Chrome and other browser applications. Accordingly, web page is papers that apply as a web resource on the World Wide Web. The specific of web pages are hypertext documents which contain hyperlinks, for browsing to other web pages, between pages stored on the same servers around the world.

According to Bruce et al.'s (2012: 3) research is a systematic effort to provide answers to question. Basic research is related with the relationship between two or more variables. Further, research can often involves many people, analyses and observes resources, and develops teaching methods. It can also be distracted, disappoint and unpredictable, Wellington in Carol (2013: 34). Furthermore, research is systematic, empirical and critical inquiry into matters which directly or indirectly interest learning and teaching of student. The inquiry is not random, but systematically concerned to hypotheses or problem being held and developed by the researcher derived from the empirical data congregate, Janet & Mike (2018). Therefore, research is a systematic effort to provide many people analyses and observes resources, and develops teaching methods concerned to hypotheses or problem being held and developed by the researcher or derived from the empirical data congregate. So, learning research is very important and we must get to know research as early as possible.

Nowadays, English Education Department of STKIP PGRI Trenggalek which already has an Introduction to Research subjects' and they need to be a learning media. Based on the observation of the researcher, teaching Introduction to Research in English Education Department of STKIP PGRI Trenggalek is currently conventional or only uses power point presentation. Thus, e-learning is important to help teaching process.

Considering the explanations above, the researcher is attracted to develop a research with the title An English Research Journal Web Page for English Education Department of STKIP PGRI Trenggalek.

The product specification of this research is English Research Journal Web Page. English Research Journal Web Page is kind of software that runs on World Wide Web platform. The requirement to access English Research Journal Web Page is simple, the developer save link on google drive to make easy to access web page English journal repository, open on PC search in bar google drive and download link below, and if the students want to open on smartphone just by downloading Cx Files Explorer on Play Store / App Store (Android / iOS), open the apps and search on the bar index.html afterwards press folder below and the home display on the web page have additional menu. Therefore, English journal very helpful to get access to learning material for Introduction to Research subject, Qualitative Research subject, Quantitative Research subject, Classroom Action Research subject, Research and Development subject anytime and anywhere.

The limitation of this research is focus on developing An English Research Journal Web Page for English Education Department of STKIP PGRI Trenggalek especially on fourth semester 2019/2020 academic year.

RESEARCH METHOD

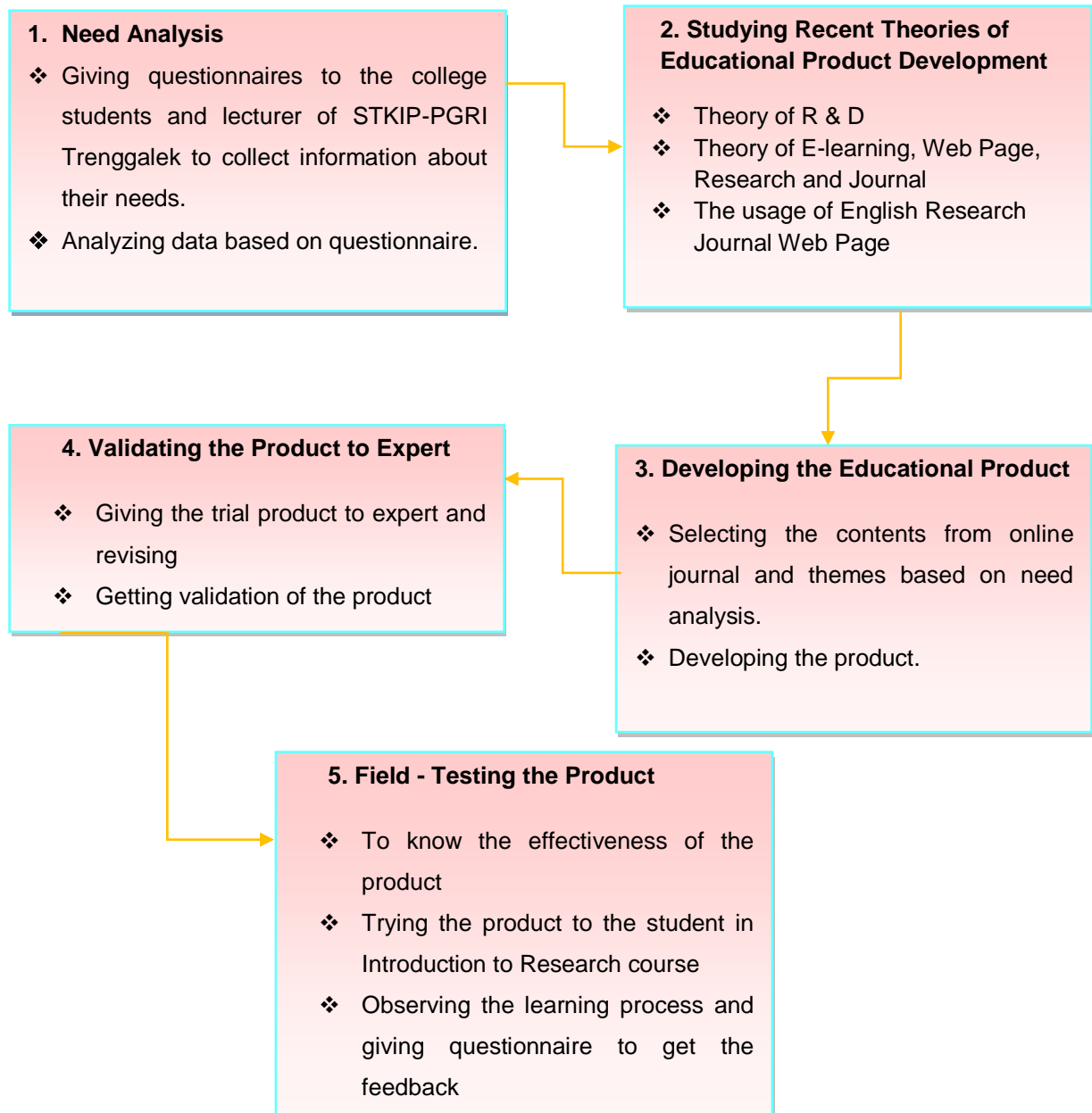
The design of this research was R&D educational combine with quantitative research method. Further, R&D educational as one research design aimed at developing educational products, like curriculum, syllabus, textbooks, instructional media, etc (Basuki, 2017: 21).

The quantitative research method that uses objective measurement to gather numeric data that are used to answer questions or test predetermined hypotheses. (Ary et al., 2010:22). The approach of quantitative research design used in this research is quasi-experimental. Further, Quasi experimental design is a design that identifies a comparison group that is similar as possible to the treatment group in terms of baseline characteristic (White & Shabarwal, 2014:1).

To develop an English Research Journal Web Page for English Education Department of STKIP PGRI Trenggalek, the researcher take five steps as in Figure 1. They are need analysis, studying recent theories of education product development,

developing the educational product, validating the product to expert and field-testing the product. The steps will be described below:

**Figure 1. Steps to development English Research Journal Web Page
 (Adapted from Basuki, (2017: 21))**



The researcher conducted the research in STKIP PGRI Trenggalek. It is located at Supriyadi street number 22 Trenggalek. Thus, population of this research is English Education Department students of STKIP PGRI Trenggalek 2018/2019 academic year; it is consisting of 122 students. The researcher determines the fourth semester of English Education Department students of STKIP PGRI Trenggalek 2019/2020 academic year as

subject. The fourth semester of English Education Department students 2019/2020 academic year consist of 27 students; 19 female and 8 male.

The instrument uses in this research are questionnaire, interview, observation, and test. The data analysis technique of this media development used qualitative and quantitative analysis technique.

FINDINGS AND DISCUSSIONS

In this section, the researcher will explain about the finding of need analysis, finding of material development, finding of expert validation, finding of field-testing and finding of t-test analysis.

Findings on Need Analysis

Table 1. Findings of Students' Need Analysis

Finding on Students' Need Analysis Questionnaire	<ul style="list-style-type: none"> Nearly 84% students agree that I have mastered Introduction to Research
	<ul style="list-style-type: none"> Nearly 95% students agree that research is important to be taught for students.
	<ul style="list-style-type: none"> Nearly 80% students agree by learning theories about research, will help in making research later
	<ul style="list-style-type: none"> Nearly 83% students neutral that they have difficulties when learn Introduction to Research subjects'
	<ul style="list-style-type: none"> Nearly 93% students agree that they needs Introduction to Research subjects' learning media
	<ul style="list-style-type: none"> Nearly 81% students neutral that Learn Introduction to Research subjects' with smartphone or PC is pleasurable
	<ul style="list-style-type: none"> Nearly 84% students' strongly agree that nowadays every students' has smartphone. So, mobile learning is more efficient for learn Introduction to Research subjects'
	<ul style="list-style-type: none"> Nearly 79% students agree that interactive media must be easily accessible anytime and anywhere
	<ul style="list-style-type: none"> Nearly 82% students agree that Interactive media must easily accessible
	<ul style="list-style-type: none"> Nearly 73% students agree that interactive media must be easy

to understand

- Nearly 82% students agree interactive e-learning media for Introduction to Research subjects' is motivating

- Nearly 74% students agree interactive media must be easy to operate

- Nearly 82% students agree that Interactive media must have to the point explanation

- Nearly 88% students agree that interactive media must be up to date

- Nearly 85% students agree that they need interactive learning media of Introduction to Research subjects'

- Nearly 79% students agree that fast response interactive media is important

- Nearly 84% students agree that Introduction to Research subjects' media must have complete content

- Nearly 73% students agree low cost operation is needed

- Nearly 84% students neutral that small size online materials is required

- Nearly 88% students agree that interactive media must be give clear explanation

Finding on Material Development

The product of this research is English Research Journal Web Page. The development of this product is based on some considerations such the finding on need analysis, studying recent theories, studying theory of R&D, studying theory of e-learning, web page, research and journal, studying theory of English Research Journal Web Page. The following shows the characteristic, contents and features of the product of the research development.

The Material development product of this research is adapted from Google Scholar, ResearchGate, Academia.edu, Science and Technology Index, and Open Journal System that has five features as follows: Home, Journal, Research Subjects', and About Us.

Finding on Expert Validation

The researcher consulted the product to the expert of English Education material development to give evaluation and suggestion to have acceptable and approved product. The researcher met up with Yudi Basuki, M.Pd as the expert to validate this product. He argued that the product was good enough but need more revision. The researcher met the expert twice (on May 12, 2020 and May 16, 2020) to get the English Research Journal Web Page validation.

Moreover, the first validation expert gave evaluations that the layout of the product was simple and suggested adding icon above the menu, and checking grammar mistakes in home menu and grammar was correct. Thus, the second validation expert gave evaluations again to the researcher. There was some mistakes in addition the title of journal and the title of journal was already matched. After that, the researcher continued to the next step, that is field-testing the product to the subject.

Finding on Field-Testing

Table 2. Finding of Students' Field-Testing Questionnaire

Finding on Students' Field Testing Questionnaire	<ul style="list-style-type: none"> • Nearly 89% students explained that the first display of English Research Journal Web Page is awesome
	<ul style="list-style-type: none"> • Nearly 83% students explained that the layout of English Research Journal Web Page is good
	<ul style="list-style-type: none"> • Nearly 85% students explained that the responses speed is good
	<ul style="list-style-type: none"> • Nearly 79% students explained that the theme of English Research Journal Web Page is good
	<ul style="list-style-type: none"> • Every students explained that 89% the effectiveness of English Research Journal Web Page is good

- Nearly 83% students explained that the style and size of the font in English Research Journal Web Page is good
-

- Nearly 85% students explained that the picture and the color choice of English Research Journal Web Page is good
-

- Nearly 80% students explained that material complexity in English Research Journal Web Page is good
-

- Nearly 86% students explained that the material organization of English Research Journal Web Page is good
-

- Nearly 86% students explained that the material description of English Research Journal Web Page is good
-

- Nearly 85% students explained that the instructional learning of English Research Journal Web Page is good
-

- Nearly 86% students explained that the illustration and examples given in English Research Journal Web Page is good
-

- Every students explained that 85% this product develops the students learning motivation
-

- Nearly 85% students explained that this product gives the chances for students as centre of learning (SCL)
-

- Every students explained that this product is up to date
-

- Nearly 85% students explained that this product is suitable with the printed
-

- Nearly 84% students explained that the language style in the product is good
-

- Nearly 87% students explained that the punctuation in the product is good

- Every students explained that the grammar in the product is good

- Nearly 85% students explained that the spelling in English Research Journal Web Page is good

- All of students explained that the coherence in the product is good

- All of students explained that the diction in the product is good

- Nearly 84% students explained that this product is easy to understand

To sum up, the findings of the need analysis on *Likert scale* showed that mostly the students agree that English Research Journal Web Page needs to be learning media. It can be seen from need analysis's continuum diagram where the score was 2055, which is the position in the agree category. Meanwhile, the findings of the field-testing on *Likert scale* showed that mostly the students agree with English Research Journal Web Page. The product got the good responses from the students and the lecture. It can be seen from the continuum diagram of field-testing where the score was 2530, which is the position in agree category. So, the conclusion is English Research Journal Web Page is an effective learning media that can increase students' for research necessity.

Finding of T-Test Analysis

Table 3. Paired Sample Statistics (Pre-test and Post-test)

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Pre-test	44.6667	27	15.65985	3.01374
	Post-test	86.8148	27	4.87566	.93832

Table 4. Paired Sample T-Test

		Paired Differences			95% Confidence Interval of The Difference		T-Test		
		Mean	Std. Deviation	Std. Mean Error	Lower	upper	T	df	Sig. (2-tailed)
Pair 1	Pre-test	-	15.69837	3.02115	-	-	-	26	.000
	Post-test	42.14815			48.35822	35.93808	13.951		

Based on the “Paired Sample t-test”, the sig. (2-tailed) showed $0.000 < 0.05$. Then as the basic rules of making *Paired Sample t-test*, it can be concluded that H_0 is rejected and H_a is accepted. So, the conclusion is that there is any significant effect between before students learning outcome and after students learning outcome. To sum up, English Research Journal Web Page as the product of this research is an effective learning media to fourth semester in Introduction to research subjects’.

Discussions

Based on the research finding explained above, the discussion of this research are:

Table 5. The Discussion of Research Finding

	Discussions
An English Research Journal Web Page for English Education Department of STKIP PGRI Trenggalek	Concerning to the content material of this research they are; Home, Journal, Research Subjects’, and About Us.
	Concerning to product development on this research that took five steps adapted from Latief in Basuki (2017: 21) they are; need analysis, studying recent theories of education product development, developing the educational product, validating the product to expert and field-testing the product.
	Concerning to the product of this research (English Research Journal Web Page) that was in line with the students’ need that was explained in the finding above.

Regarding to the form of product (E-learning) on this research was in line with expert explanation. E-learning is teaching instruction delivered on a digital device that is supposed to assist learning (Mayer & Clark, 2016: 8).

CONCLUSIONS AND SUGGESTIONS

The purpose of this research is to develop English Research Journal Web Page. The procedures of this research was adapted from Latief, (2012:172) in (Basuki, 2017:124). Thus, to create a English Research Journal Web Page as learning media in this research have five steps: need analysis, studying recent theories developing the product, validating the product to experts and field testing the product.

First, English Research Journal Web Page was done in need analysis step, then the result of need analysis in *Likert* scale shows that the score is nearly agree. Second, researcher studying recent theories about theory of Research and Development, theory of e-learning, research and journal, and web page. Third, the developing product is done by need analysis and the content of this product was adapted from lecturer's journal of English education department. Fourth, the product had been validated to the expert who gave evaluation and suggestion. Fifth, pre-test was given to the students with ten questions and then the researcher do field-testing and provide treatment in the form of products. There were conducted to know the implementation of the product toward fourth semester in English education department. Post-test was given to the students after field-testing and treatment implemented. The findings of field-testing shows that the students before use the product did not get easy access to found references of journal and after the students use the product, they gave good responses. They were satisfied with the product. English Research Journal Web Page was implemented and very helpful in teaching and learning process of Introduction to Research subjects'.

In conclusion, based on the finding of the research explained above. The result of the development English Research Journal Web Page can be used as an interactive learning media for teaching Introduction to Research subjects'. English Research Journal Web Page has succeeded in making the students' satisfied with the product. Thus, English Research Journal Web Page has been able to achieve the objective of the research which is to develop an English Research Journal Web Page for English Education Department of STKIP PGRI Trenggalek.

After giving the findings and conclusion explained above, there are some suggestion for people who finds some benefit of this research. First is for the teacher or lecturer who teach research subjects' is more effective to give learning media such as web page, or repository it can very helpful for the students to get easy access to find references of journal. Second is for the students that learning research subjects' the researcher suggest to use Web Page: English Journal Repository to make study better. The last is for the next researcher who may use the research finding of this research as the information and reference for their research.

REFERENCES

- Allen. 2016. Guide to E-learning. Canada: John Wiley & Sons.
- Ary, Donal et al. 2010. Introduction to Research in Education (Eighth Edition). United States of America: Wadsworth.
- Basuki, Y. (2017). The Requisite Vocabulary 1 Material for College Students of Stkip–Pgri Trenggalek. *Karya Ilmiah Dosen*, 3(1). (Online): <https://journal.stkippgritrenggalek.ac.id/index.php/kid/article/view/81>
- Castro, E. 2005. Creating a Web Page with HTML. Michigan University: Peachpit Press.
- Mayer & Clark. 2016. E-learning and the Science of Instruction. Canada: John Wiley & Sons.
- Mutch, C. 2013. Doing Educational Research. Wellington: NZCER Press.
- Powney & Watts. 2018. Interview in Educational Research. Routledge.
- Tuckman, B. W., & Harper, B. E. 2012. Conducting Educational Research. United Kingdom: Rowman & Littlefield.
- White, H., & S. Sabarwal. 2014. Quasi-experimental Design and Methods, Methodological Briefs: Impact Evaluation 8, UNICEF Office of Research, Florence.