

**STUDENTS' PERCEPTION OF THE IMPLEMENTATION OF DISCOVERY
LEARNING METHOD IN LEARNING ARTICLE WRITING TO THE 7TH
SEMESTER STUDENTS OF ENGLISH EDUCATION STUDY PROGRAM
FACULTY OF TEACHING TRAINING AND EDUCATION IN SRIWIJAYA
UNIVERSITY**

A THESIS

By:

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English Education Study Program

Language and Art Education Department



**FACULTY OF TEACHING TRAINING AND EDUCATION
SRIWIJAYA UNIVERSITY**

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DECLARATION

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Certify that thesis entitled "Students' Perception on the Implementation of Discovery Learning Method in Learning Article Writing to the 7th Semester Students of English Education Study Program Faculty of Teaching Training and Education in Sriwijaya University" is my own work and I did not do any plagiarism or inappropriate quotation against the ethics and rules commended by the Ministry of Education of Republic Indonesia Number 19, 2010 regarding plagiarism in higher education. Therefore, I deserve to face court if I am found to have plagiarized this work.

Palembang, May 2023



Aurora Wulan Safitri
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DEDICATION

This thesis is dedicated to:

- My parents, Mrs. Roslinawati and Mr. M. Ansori thank you for being my number one supporter, understanding me emotionally, and also for being a caring and loving family.
- My oldest sister, Zahra Umami Safira, who always supports and believes in me, the first person I came up to whenever I needed her thoughts or opinion on many things. My little brother, M Abror. Hakim, thank you for your presence.
- My friends, my colleagues in junior high school, senior high school, and university fields, who I can't mention all, thank you for keeping up with me and being present whenever I needed help.
- My great partner in crime, Fadhillah Murod Murthado. Meeting and knowing you was a blessing.

motto:

You are what you think, you are what you believe!

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Indralaya, 2023
The Writer,



Aurora Wulan Safitri

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CHAPTER I

INTRODUCTION

This chapter provides a brief explanation of the background, problem, objective, and significance of the study.

1.1 Background

Writing is the skill to express our feelings, thoughts, and, ideas Ken (2003). Brown D. H (2000) also stated that writing is a way to transform a thoughts into a language, it means that we need to think about the content of our writing first and then arrange the idea using appropriate language. According to Hedge (2000), Writing skill involves thinking process to deliver message to communicate meaningfully. The more frequently we write, the more our brain is enhanced to generate ideas that can be applied to solving real-life problems. Therefore, by writing, we produce ideas in our brain, then, we can also form free and productive ways of extensively exploring the world around us and also improving every situation we may find ourselves in.

As stated being an important skills, writing is not an easy activity to do. Widiyanti (2011) finds that some students got difficulties in expressing ideas and developing the topic. Students also got difficulties in understanding the grammar or the form of tenses. This is in line with Anggraini (2019) that if not less or much students got a bad score in their writing as a result of little enthusiasm during writing class, they are afraid to make many mistakes and worried about their ability for choosing and arranging the right words in produce the sentences.

When talking about writing, there are many types of writing as we may learn during high school such as; narrative, expository, persuasive, creative, poetry, essay, etc. In this opportunity researcher will only focus on article writing only. The reason writer pick article writing because this course is specifically taught only to students in

semester 7, study program of English education, faculty of teaching training and education

According to Sumandiria (2004), an article is a freelance writing that contains the opinion of someone who thoroughly explores an issue that is actual and usually controversial with the aim of influencing, informing, convincing and entertaining readers. While according to Andi Baso Mappatoto article is a complete written work, nonfiction writing, and a written essay that is of indeterminate length. As for Al-Aqli, defines Articles as a works written by each discipline and each of discussions that is studied and also completed thoroughly, clearly, and straightforwardly so that readers can take the essence of the paper.

Thus, it be concluded that article is a written work published in any kinds of media which discussing about a certain topic. The purpose is to delivering information, news, showing a results, and for analysis in academic purposes. The main objective to write an article is to build perspective on some aspect some changes by presenting facts, comparing thoughts with different point of views.

According to the results of the need analysis questionnaire given to the students taken the writing class in previous years, there were 7 students who have very low ability in writing an article, and 15 students that have constraint in taking article writing courses. The common problems experienced by those students are looking for the current and relevant information, references, also creating ideas, lack of adequate time and opportunity for lecturers to thoroughly examine the results of student articles, less processing time, confused about the structure of the procedure for making articles, how to make coherent writing, selecting the appropriate type of method, lack of understanding of quantitative data management, difficulty in using citations and quotations, the problem of online lectures which it is difficult to understand the material, not to mention the signal problem that tends to disappear. Due to the problems faced by previous students, the teaching and learning article writing will be done with effective method, it is discovery learning.

Lecturer in this case do plays an important role in determining student's success in writing an article. That's why lecturer must use and provide a suitable and interesting

technique in teaching writing, in order students could improve in their article writing classes. Discovery learning is a one of great method there is, because to begin with, students are forced to be an independent learner. Students could understand a whole concept or idea much longer since they had already study and dig the material at home. And as result student would become much more active learners at class. While as for the lecturers here work as the facilitator and guidance for students to think critically as well creatively to solve problem with based on their prior and previous knowledge. Discovery learning method indeed support the key success of education in 21st century. Its relation towards writing skills in 21st century learning is one of the influential aspects on student achievement. Through teaching writing skills with discovery learning method, students will be trained to write an essay based on the suitability of the content with the topic, systematic content, choice of words, the effectiveness of sentences, the use of Enhanced Spelling (EYD) such as the use of capital letters and punctuation, Zainab, (2020).

Since this study is intended for 7th semester students of faculty teaching training and English Education which are yet to have taken this subject or in other words will do in next semester, as far as the writer think the difficulties that students may encounter are first, coming up with a topic and exploring an idea on what to talk about, which will be presenting the whole purpose in the article. By that it will shape the body of paragraph and determine what students are going to write later on. Secondly the unorganized information arrangement. It means students may have a little difficult time in positioning the sentences, example what may goes next, does this piece information associated with this, what should be added and explored more. Lastly, it is pretty difficult to find a specific vocabulary to describe and express the whole meaning for the writing.

We live in 21st century era where information and technology grow's rapidly, so that reform is needed in the world of education as a necessity in order to deal with the problem especially in the face of the industrial revolution. According to Widayat (2018), education in 21st era is a learning that integrate knowledge skills, skills and attitudes as well as mastery of information and communication technology. The 21st

century learning itself has characteristics and its own uniqueness, where learning carried out in educational institutions must be focused 21st century skills. Learning must be designed according to the 4C skills which include, 1) critical thinking skills 2) creative and innovative thinking skills, 3) communication skills, and 4) collaboration skills, kemdikbud (2017).

The implementation of Discovery learning in 7th semester students class B in English Education are applied through the in made workbook modul titled “Academic Writing Based on Discovery Learning Model”. The modul provide abundant informative knowledge starting off from the general; understanding academic writing, working with source materials, understanding about plagiarism, quoting, and paraphrasing, including how to avoid and creating it, until the process of writing a researched-based article.

This modul definetely helps students develop their skills in writing article since it has a clear and direct guidance in form of the list question from worksheet provided in every unit. The activites mostly carried out to invites students to think creatively as well critically in solving problem through analysis from the passage or article text, then through a discussion to identify language features, structures, comparing it with other articles. It also allowed students to be an independent learners. They need to find information of materials themselves, before getting any further explanation from lecture. These learning which has been underlies by the learning theory, the cognitive and constructivist learning theorry will be discuss further later on in the next chapter.

In conclusion, it is helpful and effective especially for the majority of 7th semester students class b of english education, seen by the result of questionnaire (17,6% strongly agree 70,6% agree) it makes them understand about the material of article writing a lot better. Not only that, the implementation and application of discovery learning in order to improve students article writing has already been widely conducted by many previous researcher. One of the researches by (ariyana, 2020, pp. 401-412) showed the application of discovery learning models in learning to write descriptives in grade VII students of SMPN 14 Tange rang City showed good results, which can be seen by an observation, test writing. Second study Mukrharomah (2015) doing a pre

and post cycle score. Pre-cycle showed that students' average was 51.17. and in cycle 1,2,3 students scores was increasing. So that means there was an improvement in every cycle after using discovery learning model. Another implementation applied in junior high school Discovery learning model proved works to help students manage their writing material easier. But unfortunately, there are not a single previous studies the writers could find which talks about the implementation of discovery learning in teaching article writing.

Along with those opinions above, the researcher would like to know the English Students' of Sriwijaya University's Perception about the implementation of Discovery Learning in writing class to fill in the gap in perception of discovery learning. Another reason since there are many articles and study discussing about this topic, but none talking about the perspective of discovery learning on writing. In this study it will improve and make up for the shortcomings and weaknesses from the previous study.

1.2 The Problem of the Study

1. What is students' perception on the implementation of the discovery learning method in learning article writing in 7th semester class b Palembang of study program English Education at sriwijaya university?
2. How could discovery learning method help the students in writing their article writing?

1.3 The Objective of the Study

1. To find out the English Student's perception on the implementation of discovery learning method in writing class
2. To describe how discovery learning help the students in the process of their article writing skill.

1.4 The Significance of the Study

1. The result and information of this study will be beneficial for any teachers or lecturers in considering discovery learning method in teaching writing.
2. For further researcher, it will help them to find references and source of information if they want to investigate the same topic.
3. Students will gain important information about how discovery learning applied in their learning to improve their writing skill.

REFERENCES

- Aliaga, M., & Gunderson, B. (2003). *Interactive Statistics*. CA: Sage. (2, illustrated ed.). Prentice Hall/Pearson Education.
- Anggraini, R. W. (2019). The discovery learning in teaching writing skill in junior high school. *Global Expert: Jurnal Bahasa dan Sastra*, 8(2)
<https://doi.org/10.36982/jge.v8i2.1016>
- Arends, R. (1998). *Learning to Teach* (4th ed). McGraw-Hill.
- Ariyana, R. E. (2020). The application of discovery learning models in learning. *Journal of English Education and Teaching (JEET)*.
<https://doi.org/10.33369/jeet.4.3.401-412>
- Ariyanti, E., Wahyono, H (2005). “ Pengembangan pemanfaatan polder kota lama semarang sebagai ruang public yang rekreatif berdasarkan persepsi Masyarakat dan Pemerintah. *Jurnal Tata Loka: Biro Penerbit Planalogi UNDIP*
http://eprints.undip.ac.id/2382/1/Elisa_Aryanti_dan_Hadi_Wahyono.pdf
- Baden, E. (2012). *Academic Writing: The Essay (3rd ed)*. Research Gate
<https://www.researchgate.net/publication/263863946>
- Bicknell-Holmes, T. (2002). Elicit, engage, experience, explore: discovery learning in library learning in library. *faculty publications, UNL libraries*., [http://doi.org/Engage,Elicit,Experience,Explore:ApplyingDiscoveryLearningtoLibraryInstruction\(semanticsscholar.org\)](http://doi.org/Engage,Elicit,Experience,Explore:ApplyingDiscoveryLearningtoLibraryInstruction(semanticsscholar.org))
- Brown, H. D., & Lee, H. (2015). *Teaching By Principles: An Interactive Approach to Language Pedagogy* (2nd edition). Longman.
- Bruner, J. S. (1960). *The Process of Education*. PBworks; Harvard University Press.
- Cahyani, I. &. (2018). The effectiveness of discovery learning model in improving students' fiction writing. *Indonesia Journal of Learning and Instruction*, 42-43.
<https://journal.uniku.ac.id/index.php/IJLI/article/download/1281/951>
- Creswell, J. W. (2014). *Research Design: Qualitative, Quantitative, and Mixed Methods Approach*.. Library of Congress Cataloging-in-Publication Data.
- Brown, H. D. (2001). *Teaching by Principles: An Interactive Approach to Language Pedagogy*. Longman,Inc. ,

- Drew, C. (2022). *HelpfulProfessor.com*. Retrieved from What Is Constructivism In Education? Piaget's Pros & Cons:
https://helpfulprofessor.com/constructivism/#2_Cons_Disadvantages
- Travers, J. F., Elliott, S. N., & kratochwill, T. R. (1993). *Educational Psychology: Effective teaching, effective learning (3rd ed)*. Brown & Benchmark/Wm. C. Brown Publ.
- EF English First. (2022). *EF*. Retrieved from EF English Proficiency Index:
<https://www.ef.co.id/epi/regions/asia/indonesia/>
- Efron, R. (2022). What is Perception?, *springerlink*, 137-138.
https://doi.org/10.1007/978-94-010-3378-7_4
- Eliwarti, & Maarof, N. (2017). The students' perception of the strategies in the Process Approach. *International Journal of Education Best Practices*, 1-19.
<http://doi.org/10.31258/ijebp.v1n1.p67-82>
- Fasikhah, S. S. (2013). Self-regulated learning (SRL) dalam meningkatkan prestasi akademik pada mahasiswa. *Jurnal Ilmiah Psikologi Terapan*, 146-147.
- Fauziati, E. (2014). Methods of teaching english as a foreign language (TEFL): traditional method, designer method, communicative approach, scientific approach. *Era Pustaka Utama*.
- Gurning, B., & Aswita, E. (2018). Metodologi Penelitian Pendidikan, *KMedia*.
- Hariyanto, S. D. (2012). *Belajar dan Pembelajaran Teori dan Konsep Dasar*. Bandung: Remaja Rosdakarya.
- Harmer, J. (2001). *How to Teach English*. Malaysia: Longman.
<https://doi.org/10.1093/elt/ccn029>
- Hedge, T. (2000). *Teaching and Learning in the Language Classroom*, Oxford . OUP Oxford University Press.
- Inayatsyah, P. (2020). *The Stages Of Concerns Of Using Discovery Learning In Teaching English At Senior High School* [Skripsi Thesis, UIN Ar-Raniry] <http://repository.ar-raniry.ac.id>.
- Irwanto. (2002). *Psikologi Umum: Buku Panduan Mahasiswa*. Prenhallindo.
- Joo, J. J. (1999). Teaching method to build learners' creativity'. *Journal of Educational Technology*, 285.
- Kebudayaan, K. P. (2013). *kemdikbud.go.id*. Diambil Kembali dari Konsep dan Implementasi Kurikulum 2013:

<https://www.kemdikbud.go.id/kemdikbud/dokumen/Paparan/Paparan%20Wamendik.pdf>

- Kemendikbud. (2013). *Pendidikan tentang Model Pembelajaran Penemuan (Discovery Learning)*. Kementrian Pendidikan Nasional.
- Ken, H. (2003). *Second language writing*. United States of America: Cambridge University Press.
- Kotler, P., & Armstrong, G. (2012). *Principles of marketing*. Boston: Pearson Prentice Hall.
- Lumen. (2016). *Communication in the Real World: An Introduction to Communication Studies*. Retrieved from cources.Lumenlearning.com: https://courses.lumenlearning.com/suny-realworldcomm/chapter/2-1-perception-process/#jones_1.0-ch02_s01_s01_f01
- M. B., & H. A. (2014). *Improving the Persuasive Essay Writing of Students of Arabic as a Foregin Language (AFL): Effects of Self-Regulated Strategy Development, 'in 4th World Conference on Educational Technology Researchers, WCETR* (Vol. 182).
- Mukharomah, L. (2014/ 2015)). The use of discovery learning model to improve Students Descriptive Text Writing. *Eprints.walisongo.ac.id*.
- Benard, N, N (2015). *Challenge Students Face in Learning Essay Writing Skills in English Language in Secondary Schools in Manga District*. Kenyatta University.
- Ndruru, N. S. (2020). The efforts to improve students' ability to write exposition text with discovery learning method by class X (Tenth) Students of SMA Negeri 1 Hilimegai. *aladzkiyajournal.com*, 60-79.
- Kemdikbud. (2017, june 14). *Pendidikan Karakter Dorong Tumbuhnya Kompetensi Siswa Abad 21*. kemdikbud.go.id: [Kementerian Pendidikan dan Kebudayaan » Republik Indonesia \(kemdikbud.go.id\)](https://www.kemdikbud.go.id/kemendikbud/berita/pendidikan-karakter-dorong-tumbuhnya-kompetensi-siswa-abad-21)
- Rijali, A. (2019). Analisis data kualitatif. *Jurnal Alhadharah*, 91-94. <https://doi.org/10.18592/alhadharah.v17i33.2374>
- Saleh, A. A. (2018). *Pengantar Psikologi [IAIN Pare]* Aksara Timur. <http://repository.iainpare.ac.id/id/eprint/1262>
- Saritas, T. M. (2005). Costs & benefits of guided discovery arhitecture online Programs. *Institute of Education Science*, 54-67. [Microsoft Word - 439.DOC \(ed.gov\)](#)

- Satriani, Razaq, Y., Nurhidayanti, & Muzkiyah, N. (2022). The impact of using discovery learning on EFL students' writing skill. *Indonesian Journal of Research and Educational Review*, 389-397.
<https://doi.org/10.51574/ijrer.v1i3.393>
- Simatupang, B. A. (2020). Students' perception of the discovery learning strategy in learning reading comprehension at widya manggala senior high school. *Journal of English Teaching*, 161-165. <https://doi.org/10.33541/jet.v6i2.1995>
- Sobari, M. R. (2019). The use of discovery learning method to improve students' writing descriptive text. *professional Journal of English Education*, 134-138.
- Sobur, A. (2011). *Psikologi Umum: Dalam Lintas Sejarah* . Goodreads.
- Sri, S. R. (2018, January 26). The tweve grade social science students' perception toward. *Repository Universitas Jambi*, pp. 1-11.
- Stephen P. Robbins, T. A. (2008). *Perilaku Organisasi (Buku 1)* . Salemba Empat.
- Sugiyono, N.D. (2010). *Metode Penelitian Kuantitatif, Kualitatif, dan R&D*. Alfabeta
https://www.academia.edu/44502098/Prof_dr_sugiyono_metode_penelitian_kuantitatif_kualitatif_dan_r_and_d_in
- Suprayogi, A. (2019). Kajian moral dan kewarganegaraan. Volume 07 Nomor 02 Tahun 2019, 918 -932 Persepsi orang tua terhadap kekerasan pada anak di daerah rw 07 kemilaten karangpilang surabaya. *ejournal.UNESA.ac.id*.
- Supriyanto, B. (2014). Penerapan discovery learning untuk meningkatkan hasil belajar siswa kelas VI B Mata pelajaran matematika pokok bahasan keliling dan luas lingkaran di SDN tanggul wetan 02 Kecamatan Tanggul Kabupaten Jember". 165-174.
- Suwiti, N. K. (2022). Implementasi model pembelajaran discovery learning untuk meningkatkan hasil belajar bahasa indonesia. *Indonesian Journal of Educational Development*, 634-638.
- Svinicki, M. D. (2022). A theoritical foundation for discovery learning. *journals.physiology.org/journal/advances*, 1-4.
- Syagala, S. (2009). *Konsep dan Makna Pembelajaran : Untuk Membantu Memecahkan Problematika Belajar dan Mengajar*. Alfabeta. 263-266
- Syah. (2004). *Badan Pengembangan Sumber Daya Manusia Pendidikan dan Kebudayaan dan Penjamin Mutu Pendidikan tentang Model Pembelajaran Penemuan (Discovery Learning)*. Jakarta: Kementerian Pendidikan Nasional.

- Taber, K. S. (2011). Constructivism as educational theory: contingency in learning, and optimally guided instruction. *Nova Science Publisher*, 40-60.
- Thirteen Ed Online Team. (2004). *thirteencelebration.org*. Workshop: Constructivism as a Paradigm for Teaching and Learning: <https://www.thirteen.org/edonline/concept2class/constructivism/credit.html>
- Westwood, P. (2008). What teacher need to now about teaching methods. ACER Press.
- Wicke, M. (2016, January). *jimdofree.com*. <https://bilingualclassroom.jimdofree.com/home/educational-principle/discovery-learning/>
- Widayat, W. (2018, September 28). Implementasi pengembangan kecakapan abad 21 melalui fitur kelas maya portal rumah belajar. *pena.belajar.kemendikbud.go.id*. <http://pena.belajar.kemendikbud.go.id/2018/09/implementasi-pengembangan-kecakapan-abad-21-melalui-fitur-kelas-maya-portal-rumah-belajar>.
- Widiyanti, A. (2011). Improving student's ability in writing recount text using picture series. (Pascasarjana).
- Wilis, R. (2006). Teori-Teori Belajar dan Pembelajaran. *Sanctum Domine*. <https://doi.org/10.46495/sdjt.v7i1.43>
- Wilkinson, D., & Birmingham, P. (2003). *Using Research Instruments A Guide For Researchers*. Taylor & Francis e-Library. <https://doi.org/10.4324/9780203422991>
- Younes, Z. ..., & Albalawi, F. (2015). *Exploring the Most Common Types of Writing Problem among English Language and Translation Major Sophomore Female Students at Tabuk University*. Asian J. Basic Appl. Sci.
- Zainab. (2020). Meningkatkan keterampilan menulis peserta didik melalui whatsapp diary writing. *ejournal.undiksha.ac.id*, 1-9.