

**STUDENTS' STRATEGIES IN OVERCOMING THE DIFFICULTY
IN UNDERSTANDING THE SCIENTIFIC TERMS IN JOURNAL ARTICLES,
A CASE STUDY OF ENGLISH EDUCATION DEPARTMENT
STUDENTS' AT MUHAMMADIYAH UNIVERSITY OF PONOROGO**

THESIS

Submitted to Teacher Training and Education Faculty
as Partial Fulfillment of the Requirements for the Attainment of
the Bachelor's Degree in English Education Department



By:

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NIM. 20332036

**ENGLISH EDUCATION DEPARTMENT
TEACHER TRAINING AND EDUCATION FACULTY
MUHAMMADIYAH UNIVERSITY OF PONOROGO**

2024

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ABSTRACT

Zain, Lubby Anwar, 2024, *Students' Strategies in Overcoming the Difficulty in Understanding the Scientific Terms in Journal Articles, A Case Study of English Education Department Students' at Muhammadiyah University of Ponorogo.* Thesis. English Education Department, Muhammadiyah University of Ponorogo. Advisors: (1) Niken Reti Indriastuti, M.Pd. (2) Dr. Bambang Harmanto, M.Pd.

Keywords: Strategies, Scientific Terms, Journal Articles

Nowadays students are required to write and read academic writing, students need to learn scientific terminology to fully understand the concepts, theories, and research findings reported in scholarly journal. A strategy must focus on the right selection, namely choosing to be the best in a particular segment and ignoring other segments that are not under the company's competitive advantage also emphasizes the importance of efficient and effective resource management to support the implementation of the chosen strategy.

The purpose of this study was to explore students' strategies for understanding scientific terms in journal articles and to find out what problems students face in understanding scientific terms in journal articles. In this research, the researcher used a qualitative research design especially a case study, with data collection through Questionnaire and Interview. The research subjects were English language education students from the class of 2020 and 2021 at Muhammadiyah University of Ponorogo with a total of 36 students, 16 students from the sixth-semester and 20 students from the eighth-semester.

The research results revealed differences in strategies used by students. The majority favored the Problem-Solving Strategy, scoring 3.84, indicating high frequency use. The Support Strategy also had a high frequency score of 3.57. The Global Reading Strategy scored 3.34, indicating medium frequency use. Key issues in understanding scientific terms in journal articles included unfamiliarity with new and complex terms, especially in fields like medicine. To overcome these difficulties, students used translation, searched for definitions online, and sought clarification from peers or instructors.

The research concluded that students predominantly use Problem-Solving and Support Strategies with high frequency, while Global Reading Strategies are used with medium frequency. Key challenges in understanding scientific terms include unfamiliarity with complex terminology, particularly in specialized fields like medicine. To address these issues, students commonly employ strategies such as translation, online searches for definitions, and seeking clarification from peers or instructors.

ABSTRAK

Zain, Lubby Anwar, 2024, *Students' Strategies in Overcoming the Difficulty in Understanding the Scientific Terms in Journal Articles, A Case Study of English Education Department Students' at Muhammadiyah University of Ponorogo*. Thesis. English Education Department, Muhammadiyah University of Ponorogo. Advisors: (1) Niken Reti Indriastuti, M.Pd. (2) Dr. Bambang Harmanto, M.Pd.

Keywords: Strategi, Istilah Ilmiah, Artikel Jurnal

Saat ini mahasiswa dituntut untuk menulis dan membaca tulisan akademis, mahasiswa perlu mempelajari terminologi ilmiah untuk memahami konsep, teori, dan temuan penelitian yang dilaporkan dalam jurnal ilmiah. Sebuah strategi harus berfokus pada pemilihan yang tepat, yaitu memilih untuk menjadi yang terbaik di segmen tertentu dan mengabaikan segmen lain yang tidak berada di bawah keunggulan kompetitif perusahaan serta menekankan pentingnya pengelolaan sumber daya yang efisien dan efektif untuk mendukung implementasi strategi yang dipilih.

Tujuan dari penelitian ini adalah untuk mengeksplorasi strategi mahasiswa dalam memahami istilah-istilah ilmiah pada artikel jurnal dan untuk mengetahui masalah apa saja yang dihadapi mahasiswa dalam memahami istilah-istilah ilmiah pada artikel jurnal. Dalam penelitian ini, peneliti menggunakan desain penelitian kualitatif khususnya studi kasus, dengan pengumpulan data melalui Kuesioner dan Wawancara. Subjek penelitian adalah mahasiswa pendidikan bahasa Inggris dari angkatan 2020 dan 2021 di Universitas Muhammadiyah Ponorogo dengan total 36 mahasiswa, 16 mahasiswa dari semester enam dan 20 mahasiswa dari semester delapan.

Hasil penelitian menunjukkan perbedaan dalam strategi yang digunakan oleh siswa. Mayoritas menyukai Strategi Pemecahan Masalah, dengan skor 3,84, yang mengindikasikan frekuensi penggunaan yang tinggi. Strategi Dukungan juga memiliki skor frekuensi yang tinggi yaitu 3,57. Strategi Membaca Global memiliki skor 3,34, yang menunjukkan frekuensi penggunaan yang sedang. Masalah utama dalam memahami istilah-istilah ilmiah dalam artikel jurnal termasuk ketidakpahaman dengan istilah-istilah baru dan kompleks, terutama di bidang-bidang seperti kedokteran. Untuk mengatasi kesulitan ini, para mahasiswa menggunakan terjemahan, mencari definisi secara online, dan mencari klarifikasi dari rekan-rekan atau instruktur.

Penelitian ini menyimpulkan bahwa mahasiswa lebih banyak menggunakan Strategi Pemecahan Masalah dan Strategi Pendukung dengan frekuensi yang tinggi, sementara Strategi Membaca Global digunakan dengan frekuensi sedang. Tantangan utama dalam memahami istilah-istilah ilmiah termasuk ketidakbiasaan dengan terminologi yang rumit, terutama di bidang-bidang khusus seperti kedokteran. Untuk mengatasi masalah ini, siswa biasanya menggunakan strategi seperti penerjemahan, pencarian definisi secara online, dan mencari klarifikasi dari teman sebaya atau instruktur.

THESIS STATEMENT

I am, as a student and researcher, with following identity:

Name : **Lubby Anwar Zain**

NIM : 20332036

Department : English Education Department

Declare that the thesis entitled **“Students' Strategies in Overcoming the Difficulty in Understanding the Scientific Terms in Journal Articles, A Case Study of English Education Department Students' at Muhammadiyah University of Ponorogo”** is my own work. The theorist and opinions of the authors and researchers in this thesis are quoted and cited with established ethical standards.

Ponorogo, 7th July 2024



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NIM. 20332036

AGREEMENT PAGE

Thesis by : Lubby Anwar Zain
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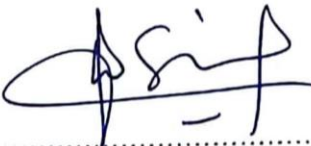
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APPROVAL PAGE


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The researcher is very aware that this thesis still requires improvement. Suggestions and criticism will be very valuable for the progress of this thesis and future discoveries.

Ponorogo, 7th of July 2024



Lubby Anwar Zain

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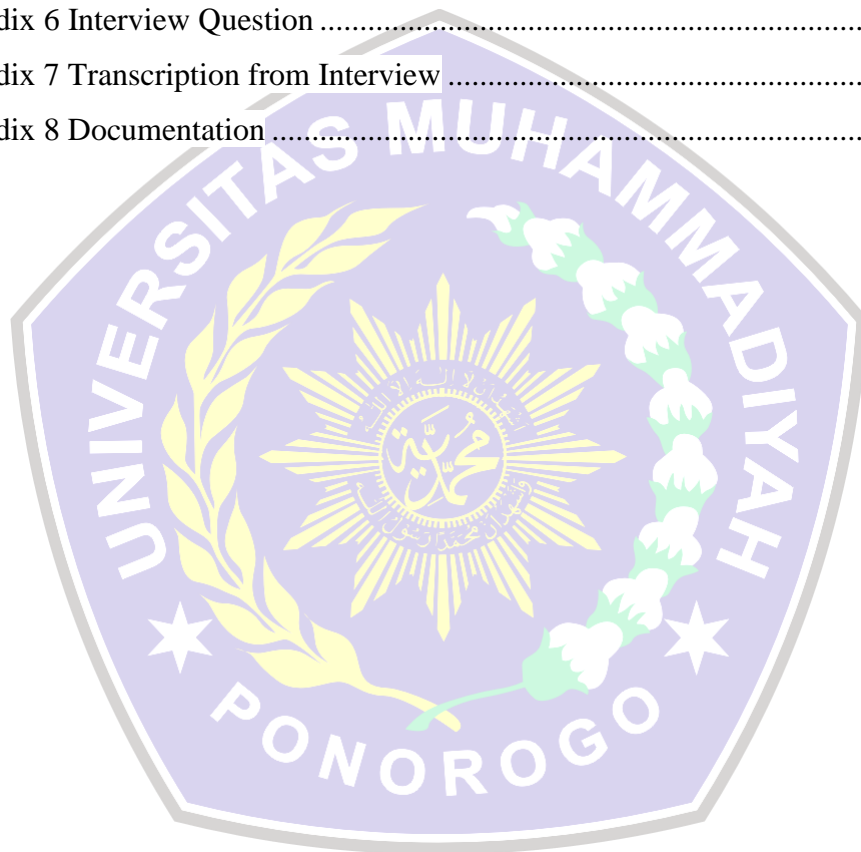
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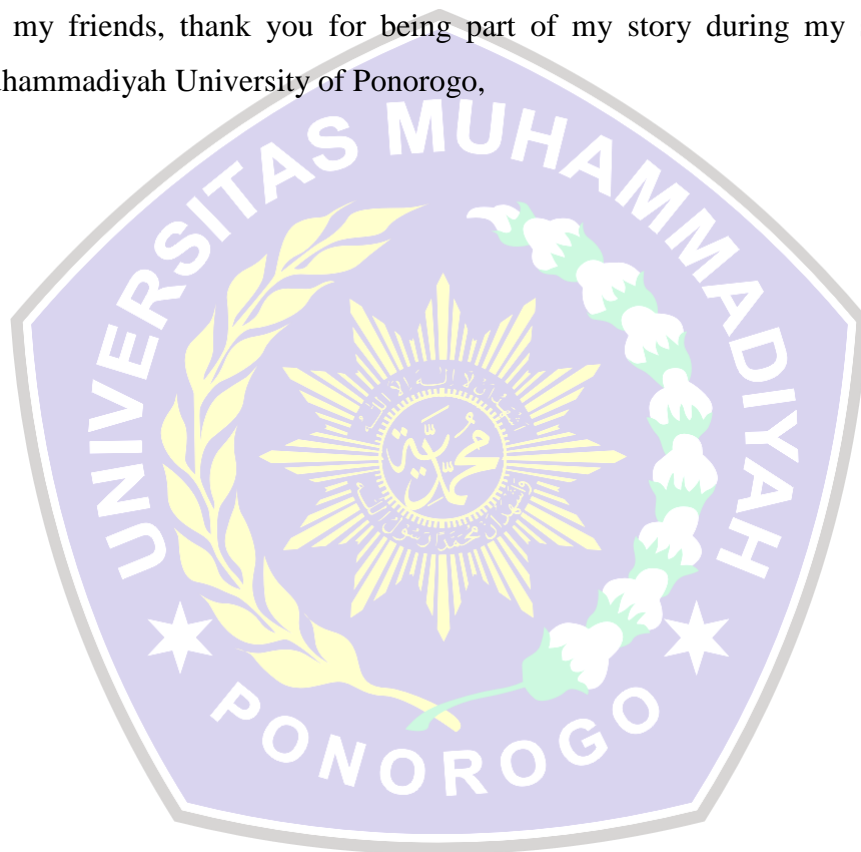
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DEDICATION

This thesis dedicated to:

1. My dearest Parents who has consistently provided me and guidance throughout my life.
2. My advisors, Mrs. Niken Reti Indriastuti, M.Pd and Dr. Bambang Harmanto, M.Pd who always guide, direct, motivate, and support me in completing this thesis.
3. All my friends, thank you for being part of my story during my study at Muhammadiyah University of Ponorogo,



MOTTO

لَا يُكَلِّفُ اللَّهُ نَفْسًا إِلَّا وُسْعَهَا لَهَا مَا كَسَبَتْ وَعَلَيْهَا مَا اكْتَسَبَتْ رَبَّنَا لَا
تُؤَاخِذْنَا إِنْ نَسِينَا أَوْ أَخْطَأْنَا رَبَّنَا وَلَا تَحْمِلْ عَلَيْنَا إصْرًا كَمَا حَمَلْتَهُ عَلَى الَّذِينَ
مِنْ قَبْلِنَا رَبَّنَا وَلَا تَحْمِلْنَا مَا لَا طَاقَةَ لَنَا بِهِ وَاعْفُ عَنَّا وَارْحَمْنَا
أَنْتَ مَوْلَانَا فَانصُرْنَا عَلَى الْقَوْمِ الْكَافِرِينَ

"Allah Does Not Burden Anyone Except According to His Ability."

(Al Baqarah 286)

