

**NEEDS ANALYSIS OF ENGLISH FOR SPECIFIC PURPOSES CLASS  
FOR THE STUDENTS OF NUTRITION DEPARTMENT OF HEALTH  
POLYTECHNIC, MINISTRY OF HEALTH PALEMBANG**

**A THESIS**

**By**

**NOVAN ARMADAN**

**Student Number: 06011281924074**

**English Education Study Program**

**Language and arts Education Department**



**FACULTY OF TEACHER TRAINING AND EDUCATION**

**SRIWIJAYA UNIVERSITY**

**INDRALAYA**

**2023**

## **APPROVAL**

**NEEDS ANALYSIS OF ENGLISH FOR SPECIFIC PURPOSES CLASS FOR THE  
STUDENTS OF NUTRITION DEPARTMENT OF HEALTH POLYTECHNIC,  
MINISTRY OF HEALTH PALEMBANG**

**A Thesis by:**

**Novan Armadan**

**06011281924074**

**English Education Study Program**

**Language and Arts Education Department**

**FACULTY OF TEACHER TRAINING AND EDUCATION**

**SRIWIJAYA UNIVERSITY**

**2023**

**Approved by:**



**Erlina S.Pd., M.Pd., M.Ed.**

**NIP. 197409082000122001**

**Certified by:**

**Coordinator of English Education Study Program**



**Eryansyah, M.A., Ph.D.**

**NIP. 196907181995121001**



**NEEDS ANALYSIS OF ENGLISH FOR SPECIFIC PURPOSES CLASS FOR  
THE STUDENTS OF NUTRITION DEPARTMENT OF HEALTH  
POLYTECHNIC, MINISTRY OF HEALTH PALEMBANG**

**Novan Armadan**

**Student Number: 06011281924074**

**This thesis was defended by the writer in the final program examination and was approved the examination committee on:**

**Day : Wednesday**

**Date : January 4<sup>th</sup>, 2023**

- 1. Chairperson : Erlina S.Pd., M.Pd., M.Ed.**
- 2. Member : Soni Mirizon, M.A., Ed.D**



**Palembang, January 4<sup>th</sup> 2023**

**Certified by,**

**Coordinator of English Education**

**Study Program,**



**Eryansyah, M.A., Ph.D.**

**NIP. 196907181995121001**



## DECLARATION

I, the undersigned,

Name : Novan Armadan

Student Number : 06011281924074

Study Program : English Education

Certify that the thesis entitled "Needs Analysis of English for Specific Purposes Class for the Students of Nutrition Department of Health Polytechnic, Ministry of Health Palembang" is my own work and I did not do any plagiarism and inappropriate quotation against the ethic and rules commended by Ministry of Education of Republic of Indonesia Number 17, 2010 regarding plagiarism in the higher education. Therefore, I deserve to face court if I found to have plagiarized this work.

Indralaya, January 2023

The undersigned



Novan Armadan

NIM. 06011281924074

## **DEDICATION**

This thesis is dedicated to my beloved family; my father Ashawardi, my mother Halima, my sister Wili Martarisanti, and my brother Raditia Ramos.

Thank you for your endless prayers, love and support.

**MOTTO**

*No rain, no rainbow*

Iroduku: The World in Colors

## ACKNOWLEDGEMENTS

The writer authored this study to fulfill one of the prerequisites for an S1 degree at the English Education Study Program, Faculty of Teacher Training and Education Sriwijaya University. First of all, the writer would like to express gratitude to Allah SWT. For all the blessings that have been given so that the writer can finish this thesis entitled "Needs Analysis of English for Specific Purposes Class for The Students of Nutrition Department of Health Polytechnic, Ministry of Health Palembang".

Then, the author would like to thank his supervisor, Erlina S.Pd, M.Pd, M.Ed., for her dedication, advice, instruction, and guidance until the author finishes the study. The author would also like to thank all lecturers for the knowledge and guidance they have provided so far. Also, the author would like to express his gratitude to the Former Head of the English Education Study Program, Hariswan Putra Jaya, S.Pd., M.Pd., the new Head of the English Education Study Program Eryansyah, M.A., Ph. D., the Head of the Language and Arts Department, Soni Mirizon M.A., Ed. D., and the Dean of the Faculty of Teacher Training and Education Sriwijaya University, Dr. Hartono, M.A.

Then, the author would like to thank his beloved parents for all their sacrifices and hard work in providing support to the writer to be able to complete his education. Also, the author would like to thank his brothers and sisters for their support and love. Hopefully, the author can be a good example for them. The author would like to express his gratitude to all of the Nutrition Students in Health Polytechnic, Ministry of Health in Palembang for their willingness to participate in this study. Next, the author would like to thank all the friends in the 2019 English Education Study Program.

Finally, the author would like to thank H2SO4 friends, Abdurrahman Ismail, M. Rafli Saputra, Octavianus Prima, Halimathusadiah, Putri Dwi Wahyuni, and Shelvi Octa Ardianti. Thanks for their support and all the precious

memories. Lastly, the author hopes that this thesis will be useful in the English course at Sriwijaya University.

Indralaya, January 2023

The Author

A handwritten signature in black ink, appearing to be 'Novan Armadan', written over a horizontal line.

Novan Armadan



## TABLE OF CONTENTS

<b>APPROVAL</b> .....	<b>ii</b>
<b>DECLARATION</b> .....	<b>iv</b>
<b>DEDICATION</b> .....	<b>v</b>
<b>MOTTO</b> .....	<b>vi</b>
<b>ACKNOWLEDGEMENTS</b> .....	<b>vii</b>
<b>TABLE OF CONTENTS</b> .....	<b>ix</b>
<b>LIST OF TABLES</b> .....	<b>xi</b>
<b>TABLE OF FIGURES</b> .....	<b>xii</b>
<b>LIST OF APPENDICES</b> .....	<b>xiii</b>
<b>ABSTRACT</b> .....	<b>xiv</b>
<b>CHAPTER I</b> .....	<b>1</b>
<b>INTRODUCTION</b> .....	<b>1</b>
1.1    Background of the Study.....	1
1.2    The Problems of Study .....	4
1.3    The Objectives of the Study .....	4
1.4    The Significance of the Study.....	4
<b>CHAPTER II</b> .....	<b>6</b>
<b>LITERATURE REVIEW</b> .....	<b>6</b>
2.1    English for Specific Purposes (ESP) .....	6
2.2    Needs Analysis .....	7
2.2.1    Target Situation Analysis.....	7
2.2.2    Present Situation Analysis.....	8
2.2.3    Deficiency Analysis.....	8
2.2.4    Strategy or Learning Analysis.....	8
2.3    Previous Related Studies.....	9
<b>CHAPTER III</b> .....	<b>13</b>
<b>METHODOLOGY</b> .....	<b>13</b>

3.1	Research Design .....	13
3.2	Research Site and Participants.....	13
3.3	Method of Collecting the Data.....	13
3.3.1	Questionnaire .....	13
3.3.2	Test.....	14
3.3.3	Interview .....	14
3.4	Method of Analyzing the Data .....	14
3.4.1	Questionnaire .....	14
3.4.2	Test.....	15
3.4.3	Interview .....	15
<b>CHAPTER IV.....</b>		<b>16</b>
<b>FINDINGS AND DISCUSSION.....</b>		<b>16</b>
5.1	Findings .....	16
4.1.1	Results of Students' Need Analysis Questionnaire .....	16
4.1.2	Results of Students' Reading Test .....	38
4.1.3	Results of Interviews with Lecturers and Heads of Departments .....	40
5.2	Discussion.....	42
<b>CHAPTER V.....</b>		<b>45</b>
<b>CONCLUSION AND SUGGESTIONS .....</b>		<b>45</b>
5.1	Conclusion.....	45
5.2	Suggestions .....	45
<b>REFERENCES.....</b>		<b>xv</b>

## **LIST OF TABLES**

Table 1. Informal Reading Inventory (IRI) Level.....	39
--	----

## TABLE OF FIGURES

Figure 1. The Importance of Learning English .....	17
Figure 2. The Students' Expectation towards Learning English.....	18
Figure 3. The English Use for Future Career .....	19
Figure 4. The English Proficiency Level for Students' Future Career .....	20
Figure 5. The Topic for Reading Text .....	21
Figure 6. Students' Expectation on the Material in Reading Text .....	21
Figure 7. The Important of Nutrition Topic in Reading Text .....	22
Figure 8. The Importance of HOTS Topic in Reading Text .....	22
Figure 9. The Importance of Learning HOTS-based Reading Text.....	23
Figure 10. HOTS Aspects to be Provided in English Reading Text.....	24
Figure 11. Difficulties in the Process of Reading .....	25
Figure 12. Students' English Proficiency in Present Situation.....	26
Figure 13. Students' Ability in Understanding Reading Text .....	26
Figure 14. Students' Perception towards the Difficulties of Reading Text Provided .....	27
Figure 15. Students' Perception about the Topic in the Reading Material Provided .....	28
Figure 16. Kinds of Reading Text Found in English Class .....	29
Figure 17. Frequency of English Lecturer Providing Reading Material Connected with Nutrition Topic.....	30
Figure 18. Frequency of English Lecturer Providing Reading Material Connected with HOTS and Information Transfer Topic .....	31
Figure 19. Students' Knowledge about Higher-Order Thinking Skills (HOTS) and Information Transfer .....	32
Figure 20. Kinds of HOTS and Information Transfer According to Students' Understanding .....	33
Figure 21. Where the Students' Find The Information about HOTS and Information Transfer .....	34
Figure 22. Students' Knowledge about Where They can Find HOTS and Information Transfer are .....	35
Figure 23. Students' Knowledge towards HOTS and Information Transfer.....	36
Figure 24. Students' Contribution in Developing HOTS and Information Transfer .....	37
Figure 25. Activities during Reading Learning Process .....	38
Figure 26. Students' Reading Ability Level .....	39

## LIST OF APPENDICES

APPENDIX A. STUDENTS' NEEDS ANALYSIS QUESTIONNAIRE .....	47
APPENDIX B. BURNS AND ROE INDEPENDENT READING ASSESSMENT .....	56
APPENDIX C. RESULTS OF READING TEST .....	70
APPENDIX D. TRANSCRIPT OF INTERVIEW WITH ENGLISH LECTURERS.....	71
APPENDIX E. TRANSCRIPT OF INTERVIEW WITH CONTENT LECTURER .....	77
APPENDIX F. TRANSCRIPT OF INTERVIEW WITH HEAD OF DEPARTMENT.....	79
APPENDIX G .....	81
APPENDIX H.....	82
APPENDIX I.....	83
APPENDIX J .....	85

**NEEDS ANALYSIS OF ENGLISH FOR SPECIFIC PURPOSES CLASS  
FOR THE STUDENTS OF NUTRITION DEPARTMENT OF HEALTH  
POLYTECHNIC, MINISTRY OF HEALTH PALEMBANG**

**ABSTRACT**

This study aims to find out the learning needs of students in learning English for specific purposes (ESP), their ability to understand HOTS-based English reading texts, and find out the institutional needs. This research was conducted using a mix-method approach with data collection methods using 3 instruments such as questionnaire, reading test, and interview involving 32 students majoring in nutrition, 3 lecturers, and 1 head of the nutrition department at the Health Polytechnic, Ministry of Health Palembang. Based on the data obtained from the three instruments, it was found that the learning needs of students and the institutional needs have something in common that is they need learning materials that are appropriate to their field of study. In addition, students have learning targets, which is to be able to communicate well to support their future careers. From the data obtained, it is also known that students' ability in understanding reading texts is still at a low level. Therefore, they hope that the English lessons they receive can improve their ability to understand reading texts so that it can help them find references related to their field.

**Keywords:** *Needs Analysis, ESP, Nutrition Students*

---

A thesis by English Education Study Program Student, Faculty of Teacher Training and Education, Sriwijaya University.

Name : Novan Armadan

Student Number : 06011281924074

Certified by,

Head of English Education Study Program



Eryansyah, M.A., Ph.D.

NIP. 196907181995121001

Approved by

Advisor



Erlina, S.Pd, M.Pd, M.Ed.

NIP. 197409092000122001

## **CHAPTER I**

### **INTRODUCTION**

#### **1.1 Background of the Study**

English is the most widely spoken language worldwide. In this modern era, a country cannot move alone in following an evolving civilization. They need other countries to establish good relations and help each other. Therefore, a common language is needed in order to realize this goal. English is a connecting language between countries as well as an international language that takes an important role in communication between countries. Most countries around the world realize that English is important and they decide to learn it as a second language. They incorporate English into the school syllabus so that children have started learning English at a young age.

In Indonesia, English is neither the first nor the second language. English in Indonesia is considered as a foreign language or commonly known as (EFL). Teaching English in Indonesia is divided into two views, General English (GE) and English for Specific Purposes (ESP). English taught in Indonesia only focuses on four skills such as Speaking, Writing, Reading, and Listening. It means that English that is taught in Indonesia are General English. In college, English is also a subject that must be studied.

As previously discussed, in the current era of globalization, English is one of the skills that must be mastered in order to keep up with the needs of the era. Most occupations will at least still need English whether it is in their daily activities or at some certain time. It implies that every field of work must have different needs for English. Therefore, ESP class should be developed based on the objectives and needs of the learning.

The importance of ESP learning can be proven by the increasing number of cooperative relationships that exist between Indonesia and other countries. Cooperation in various fields including the health sector is being intensively

carried out by Indonesia as an effort to maximize the absorption of human resources, especially in the health sector. According to the Indonesian Health Workers Council (KTKI), at least in 2020, there are 633,025 health workers who are active in STR (Registration certificate), and cumulatively it is estimated to be 696,217 people in 2025. Along with this increase in number, the absorption of utilization of health resources must also be increased. Acting Director of Health Personnel Empowerment, Ministry of Health, Sugiyanto, S.Pd, M.App, Sc, said that the distribution of health workers abroad can increase professionalism that is globally competitive. Therefore, ESP takes an important role in the success of these efforts. However, the problem now is whether the ESP class is appropriate in meeting the students' needs for English or not especially in the health programs.

Based on the results of the English Proficiency Index (EPI) survey released by Education First (2022), Indonesia ranks 81st out of 112 countries in the world with a score of 469. In this position, Indonesia is still in the category of countries with low English proficiency because the achievement of the EPI score obtained by Indonesia is still below the global average EPI score which is 504. This shows that teaching English in Indonesia is still not effective and still needs to be developed so that it fits the needs and abilities of students.

Therefore, analysis is needed to find out the abilities and needs of students according to their fields. Needs analysis is a method used to design ESP classes that fit the needs of students. Pranoto & Supryogi (2020) said that a needs analysis was carried out to identify the abilities and needs of students in a particular academic context.

In conducting a needs analysis, there are several methods that can be used, one of which is a questionnaire. Through the questionnaire, input from the sample will be obtained so that it can be measured how far their abilities and what their needs are in taking ESP classes. Previous research on needs analysis also used questionnaires as their data collection instruments, such as Wahyu Hidayat (2021) and Nimasari (2018). In their research, it was found that students from different



majors have different needs. Thus, this research is also in line with the two previous studies, which aims to examine the needs of students, especially in the department of nutrition at the health polytechnic, Indonesia ministry of health. In addition, this study will also measure the students' ability in understanding HOTS-based reading materials. Therefore, a reading test from Burns and Roe will be given to students so that later from the test results it will be known how their ability is in understand HOTS-based reading material. Based on the test, their ability will be divided into three levels: independent, instructional, and frustrational.

Based on the explanations above, the researcher is interested to conduct a study to analyze the students' ESP needs in the health sector. At the Health Polytechnic Palembang, there are 8 majors. Especially in nutrition program, the English subjects taught are General English and English for Specific Purposes. Each subject has two semester credit units. The reading material used is still in general and sometimes the lecturer made a reading material by themselves in order to suit the material into the study program field. Therefore, This study focused on the needs analysis of the nutrition major in learning English as they are expected to be able to master English related to their field so that later they can produce human resources that are globally competitive. This study addressed the following questions, such as what are the learning needs of nutrition students in learning English for Specific Purposes at Health Polytechnic, Ministry of Health Palembang?, how is the ability of the nutrition students at Health Polytechnic, Ministry of Health Palembang in understanding HOTS-based reading materials?, and what are the institutional needs of the Nutrition Department of the Health Polytechnic, Ministry of Health in Palembang? Therefore, the researcher conducted a study entitled **"Needs Analysis of English for Specific Purposes Class for the Students of Nutrition Department of Health Polytechnic, Ministry of Health Palembang"**.

## **1.2 The Problems of Study**

Based on the research background, the problem of the study is formulated into the following questions:

- 1 What are the learning needs of nutrition students in learning English for Specific Purposes at Health Polytechnic, Ministry of Health Palembang?
- 2 How is the ability of the nutrition students at Health Polytechnic, Ministry of Health Palembang in understanding HOTS-based reading materials?
- 3 What are the institutional needs of the Nutrition Department of the Health Polytechnic, Ministry of Health in Palembang?

## **1.3 The Objectives of the Study**

In relation to the research problems above, the objectives of this study are:

- 1 To find out the learning needs of the nutrition students in learning English for Specific Purposes
- 2 To find out the ability of nutrition students at Health Polytechnic, Ministry of Health Palembang in understanding HOTS-based reading materials.
- 3 To find out the institutional needs of the Nutrition Department of the Health Polytechnic, Ministry of Health in Palembang.

## **1.4 The Significance of the Study**

This research is expected to give useful contribution as well as theoretical and practical significance for universities and society;

Theoretically, the results of this study are expected to provide information about the nutritional needs of students in ESP learning and provide information about the ability of nutrition students in understanding reading material at the HOTS level.

Practically, this research is expected to provide benefits and input to lecturers who will develop HOTS-based English reading teaching materials for students at the Department of Health Polytechnic, Indonesia Ministry of Health. In addition, this research is expected to be a reference for other researchers when they want to conduct similar research on needs analysis in certain majors.

## REFERENCES

- Aflah, M. N., & Rahmani, E. F. (2018). Analisa Kebutuhan (Need Analysis) Mata Kuliah Bahasa Inggris untuk Mahasiswa Kejuruan. *Jurnal Pendidikan Bahasa*, 7(1), 77–89.  
<https://journal.ikipgriptk.ac.id/index.php/bahasa/article/view/828>
- Arroyyani, R., Nur Widiyati, D., & Maryani. (2022). *a Need Analysis of Esp for Public Health Students. January.*
- Asrifan, A., Vargheese, K. J., T., S., & Amir, M. (2020). Esp Course Design: the Need Analysis on Tourism Department in Indonesia Vocational High Schools. *Journal of Advanced English Studies*, 3(2), 69.  
<https://doi.org/10.47354/jaes.v3i2.85>
- Elsaid Mohammed, A. S., & Nur, H. S. M. (2018). Needs Analysis in English for Academic Purposes: The Case of Teaching Assistants at the University of Khartoum. *How*, 25(2), 49–68. <https://doi.org/10.19183/how.25.2.409>
- Mahbub, M. A. (2018). *ENGLISH TEACHING IN VOCATIONAL HIGH SCHOOL: A NEED ANALYSIS*. 5(1), 30.
- Nimasari, E. P. (2018). An ESP Needs Analysis: Addressing the Needs of English for Informatics Engineering. *JEES (Journal of English Educators Society)*, 3(1), 23–40. <https://doi.org/10.21070/jees.v3i1.1085>
- Pranoto, B. E., & Suprayogi, S. (2020). A Need Analysis of ESP for Physical Education Students in Indonesia. *Premise: Journal of English Education*, 9(1), 94. <https://doi.org/10.24127/pj.v9i1.2274>
- Songhori, M. H. (2008). *Introduction to Needs Analysis*. [www.esp-world.info](http://www.esp-world.info)
- Willey, I., Tanimoto, K., McCrohan, G., & Nishiya, K. (2020). An English Needs Analysis of Medical Doctors in Western Japan. *JALT Journal*, 42(2), 143.  
<https://doi.org/10.37546/jaltj42.2-3>
- Sehatnegeriku.kemkes.go.id. (2022, 20<sup>th</sup> April). Tenaga Kesehatan Indonesia

Banyak Diminati Negara Lain. Accessed on 4<sup>th</sup> of September 2022. From <https://sehatnegeriku.kemkes.go.id/baca/rilis-media/20220420/0639686/tenaga-kesehatan-indonesia-banyak-diminati-negara-lain/>

Harsono, Y. M. (2015). Developing Learning Materials for Specific Purposes. *TEFLIN Journal - A Publication on the Teaching and Learning of English*, 18(2), 169. <https://doi.org/10.15639/teflinjournal.v18i2/169-179>

Hutchinson T & Waters A. English for specific purposes. New York: Cambridge University Press; 1987.

Susanto, T. D. (2022, June 27). *Coding Data Kualitatif*. <https://notes.its.ac.id/tonydwisusanto/2022/06/27/coding-data-kualitatif/>.

