# THE READINESS OF PRE-SERVICE ENGLISH TEACHERS IN IMPLEMENTATION TPACK (TECHNOLOGICAL PEDAGOGICAL AND CONTENT KNOWLEDGE) IN CLASSROOM

### By NUR HASANAH



ANTASARI STATE ISLAMIC UNIVERSITY BANJARMASIN 2022

# THE READINESS OF PRE-SERVICE ENGLISH TEACHERS IN IMPLEMENTATION TPACK (TECHNOLOGICAL PEDAGOGICAL AND CONTENT KNOWLEDGE) IN CLASSROOM

#### AN UNDERGRADUATE THESIS

Presented to
Faculty of Tarbiyah and Teacher Training
in partial fulfillment of the requirements
for the degree of *Sarjana Pendidikan* in English Language Education

by Nur Hasanah 1601240738

ANTASARI STATE ISLAMIC UNIVERSITY
FACULTY OF TARBIYAH AND TEACHER TRAINING
ENGLISH EDUCATION DEPARTMENT
BANJARMASIN
2022

#### **APPROVAL**

Tittle : The Readiness of Pre-service English Teachers

in Implementation TPACK (Technological

Pedagogical And Content Knowledge) in

Classroom

Name : Nur Hasanah SRN : 1601240738

Faculty : Tarbiyah and Teacher Training

Program : Undergraduate Study (S-1)

Department : English Education Department

Academic Year : 2021/2022

Place/Date of Birth: December 18, 1997

Address : Jl. Sepakat RT. 30 No. 65, Pemurus Dalam,

Banjarmasin Selatan, Kota Banjarmasin

After being checked and revised, the thesis has been approved to be examined in front of the board of Examiners of Faculty of Tarbiyah and Teacher Training UIN Antasari Banjarmasin.

Banjarmasin, December 15, 2021

Advisor Advisor

Contents and Research Methods Language and Writing Technique

Shi

Fajrianor, M.Pd

NUP. 201704070

Hj. Nani Hizriani, MA NIP. 197711272003122001

Acknowledged by

Head of English Education Department

Faculty of Tarbiyah and Teacher Training

UIN Antasari Banjarmasin,

Afifah Linda Sari, M.Pd

NIP. 198711102015032004

#### **VALIDATION**

Tittle: The Readiness of Pre-service English Teachers in Implementation TPACK (Technological Pedagogical and Content Knowledge) in Classroom.

Name Nur Hasanah. SRN 1601240738 has been examined by the board of thesis examiners of Faculty of Tarbiyah and Teacher Training UIN Antasari Banjarmasin.

Day : Monday

Date : January 17, 2022

Stated : Passed Score : 82,7 (A)

Dean Faculty of Tarbiyah and Teacher Training UIN Antasari Banjarmasin

Dr. H. Hamdan, M. Pd. NIP. 196604051993031005

# THE BOARD OF EXAMINERS:

Name	Signature
1. Hj. Nani Hizriani, S.Pd, MA	10.15
(Chairperson)	Jak
2. Dra. Andi Irlina, M.Hum	La Carrier Land
(Member)	Oppor
3. Fajrianor, S.Pd, M.Pd	<i>6</i> Q.
(Member)	Shi

# STATEMENT OF AUTHENTICITY

I, the undersigned, Nur Hasanah, declare that this undergraduate thesis is my original work, gathered and utilized specially to fulfil the purposes and objectives of this study, and has not been previously submitted to any other university for any degree or other purposes. I also declare that the publications cited in this work have been properly acknowledged. If someday, it is proven otherwise, I understand that my degree will be revoked.

Banjarmasin, Desember 15, 2021
The writer,

METERAL TEMPEL F49AJX494391904

Nur Hasanah

#### **ABSTRACT**

**Hasanah, Nur.** 2021. The readiness of Pre-service English Teachers in Implementation TPACK (Technological Pedagogical and Content Knowledge) in Classroom. Thesis. English Education Department, Faculty of Tarbiyah and Teacher Training, Antasari State Islamic University. Advisors: (I) Nani Hizriani, M.A, (II) Fajrianor, M.Pd.

**Keywords**: Technological Pedagogical and Content Knowledge (TPACK), Pre-service English Teachers, Blanded Learning

Technological Pedagogical and Content Knowledge (TPACK) is the perfect combination of the 3 domain of knowledge (technology, pedagogy, and content). Technological Pedagogical and Content Knowledge (TPACK) analysis needs to be done in order to understand the teachers' level of knowledge in oerder to be able to integrate technology in learning.

The purpose of this study is to identify the level of pre-service English teachers' readiness in implementing TPACK (Technological Pedagogical and Content Knowledge. This study used a descriptive quantitave method. This study was conducted in the English Education Department 2016 of Antasari State Islamic University Banjarmasin. The sampling technique used is in this study is simple random sampling. Questionnaire were used to collect the data. The data obtained is analyzed using a descriptive statistical analysis

The data shows the results of the TPACK subdomain, which are TK (M=3,93), PK (M=3,72), CK (M=3,63), TPK (M=3,75), TCK (M=3,81), PCK (M=3,77). TPACK (M=3,64). The conclusion is the readiness of Technological Pedagogical and Content Knowledge (TPACK) of preservice English teachers of Antasari State Islamic University is at medium level, it is indicated that the Pre-service English Teachers have the ability to integrate technology into learning. However, Content Knowledge (CK) domain and Technological Pedagogical and Content Knowledge domain (TPACK) had a lower average value (M=3,63 and 3,64).

#### **ABSTRAK**

**Hasanah, Nur.** 2021. The readiness of Pre-service English Teachers in Implementation TPACK (Technological Pedagogical and Content Knowledge) in Classroom. Skripsi. Jurusan Tadris Bahasa Inggris, Fakultas Tarbiyah dan Keguruan, UIN Antasari Banjarmasin. Dosen Pembimbing: (I) Nani Hizriani, M.A, (II) Fajrianor, M.Pd.

**Kata kunci**: Technological Pedagogical and Content Knowledge (TPACK), Pre-service English Teachers, Blanded Learning

Technological Pedagogical and Content Knowledge (TPACK) merupakan gabungan sempurna dari 3 domain pengetahuan (teknologi, pedagogi, dan konten). Analisis Technological Pedagogical Content Knowledge (TPACK) perlu dilakukan dalam rangka memahami tingkat pengetahuan guru untuk dapat mengintegrasikan teknologi pada pembelajaran di kelas.

Penelitian ini dilakukan untuk mendapatkan profil tingkat kesiapan TPACK calon guru Bahasa Inggris di Program Studi Pendidikan Bahasa Inggris Universitas Islam Negeri Antasari Banjarmasin. Penelitian ini menggunakan metode deskriptif kuantitatif. . Pengambilan sampel penelitian menggunakan teknik *simple random sampling*. Pembagian angket digunakan untuk mengumpulkan data. Data yang diperoleh dianalisis menggunakan analisis statistik deskriptif.

Data yang diperoleh menunjukkan hasil dari subdomain TPACK, yaitu TK (M=3,93), PK (M=3,72), CK (M=3,63), TPK (M=3,75), TCK (M=3,81), PCK (M=3,77). TPACK (M=3,64). Kesimpulannya adalah, hasil penelitian ini menunjukan bahwa tingkat kesiapan Technological Pedagogical and Content Knowledge (TPACK) calon guru Bahasa Inggris Universitas Islam Negeri Antasari Banjarmasin adalah sedang. Hal ini menunjukkan bahwa calon guru Bahasa Inggris UIN Antasari Banjarmasin memiliki kemampuan yang cukup untuk mengintegrasikan teknologi ke dalam pembelajaran. Namun, penguasaan pada Content Knowledge (CK) dan Technological Pedagogical and Content Knowledge (TPACK) memiliki total nilai rata-rata yang paling rendah (M=3,63 dan 3,64).

# **MOTTO**

"it always seems impossible until it's done" (Nelson Mandela)

#### **DEDICATION**

#### I dedicate this thesis for:

- 1. My beloved parents, who always give me endless love, supports in mentally, spiritually, and materially during the time of study and the process of making this thesis. Because of you two, life seems so easy and full of happiness. Thank you for always watching over me in the prayers and always letting me persue my dreams no matter what.
- 2. My dear friends, Puteri Laila Zakiah a friend who takes care of everything about college from the beginning until graduation. Novita Sari who accompanies me in times of despairing. And also my fellow, Ana Hairunisa. Without encouragement, and support you all have given me, I might be nothing.
- 3. My thesis mates' warriors, Rini Ekawati, Nuriva Rahmatilah, Novita Sari Andriani, Siti Aisyah, Rica Purnama Hasanah, Siti Karimah, and Rafika. Keep believing to pursue our dreams.
- 4. Uswatun Hasanah group, Melda, Mutmainnah, Maulida Rahmah, Mia Noralisa, Novia Ayu Lestari, Luthfia Saparianti, and Najwa. You all have been a great help along these four years.
- 5. My friends in class of English Education 2016, thank you for all the fight, happiness, *madness*, and adventures we have been through along these four years.
- 6. All of my friends in UIN Antasari Banjarmasin who have given me supports and love for completing my study.

#### **ACKNOWLEDGEMENT**

بسم الله الرحمن الرحيم. الحمد لله رب العالمين الصلاة والسلام على اشرف الأنبياء والمر سلين سيدنا ومو لنا محمد وعلى اله وصحبه أجمعين اما بعد.

Praise to Allah the Almighty who has been giving me guidance till the writer finished this thesis entitled "The Readiness of Pre-sercive English Teachers in Implementation TPACK (Technological Pedagogical and Content Knowledge) in Classroom". Peace and salutation always be upon Prophet Muhammad P.B.U.H and all his friends who struggle for Allah. The writer like to express appreciation and gratitude to:

- Dr. H. Hamdan, M.Pd, as the Dean of Faculty of Tarbiyah and Teacher Training of Antasari State Islamic University and all his staff for their help in the Administrative matters.
- 2. Afifah Linda Sari, M.Pd, as the Head of English Education Department for the assistance and motivation.
- 3. My academic advisor, Afifah Linda Sari, M.Pd, for the guidance and encouragement.
- 4. My thesis advisors, Nani Hizriani, M.A, and also Puji Sri Rahayu, MA, as the advisor of content and research methods for the advice, helps, suggestion and correction.
- 5. Fajrianor, M. Pd, as the advisor of language and writing techniques for the advice, helps, suggestion and correction.
- All lecturers and assistants in Faculty of Tarbiyah and Teacher Training for the priceless knowledge.

Finally, the writer hopes that this research will be useful for the next researchers. The writer admits that this research paper is not perfect yet.

Therefore, suggestion will be expected to make it better.

Banjarmasin, <u>Jumadil Awal, 11th, 1443 A.H</u> December, 15th, 2021 A.D

Nur Hasanah

# **CONTENTS**

COVER PAGE	i
TITLE PAGE	ii
APPROVAL	iii
VALIDATION	iv
STATEMENT OF AUTHENTICITY	v
ABSTRACT	vi
ABSTRAK	vii
MOTTO	viii
DEDICATION	ix
ACKNOWLEDGEMENT	X
CONTENTS	xii
LIST OF TABLES	XV
LIST OF FIGURES	xvi
LIST OF APPENDICES	xvii
CHAPTER I	1
INTRODUCTION	1
A. Background of Study	1
B. Research Questions	5
C. Objectives of Study	5
D. Significance of Study	5
E. Definition of Key Terms	6
CHAPTER II	7
THEORETICAL REVIEW	7
A. The Definition of Readiness	7
B. The Definition of Pre-Service Teacher	7
C. Technological Pedagogical and Content Knowledge	
(TPACK)	9
1. The history of Technological Pedagogical and Content	
Knowledge (TPACK)	9
2. The scope of TPACK instruments	12

	a. Technological Knowledge (TK)	. 13
	b. Pedagogical Knowledge (PK)	.14
	c. Content Knowledge(CK)	. 15
	d. Technological Content Knowledge (TCK)	. 15
	e. Pedagogical Content Knowledge (PCK)	.16
	f. Technological Pedagogical Knowledge (TPK)	. 16
	g. Technological Pedagogical Content Knowledge	
	(TPACK)	. 17
	3. The benefits of Technological Pedagogical and Content	
	Knowledge	.17
	D. Review of Previous Study	.18
CHAPTER	III	.21
RESEARC	H METHOD	.21
	A. Research Design	.21
	B. Research Setting	.22
	C. Population And Sample	.22
	D. Data Collection Technique	. 24
	E. Research Instruments	.25
	1. Questionnaire	.25
	2. Validity and Reliability	.31
	F. Data Collection Procedure	.33
	G. Data Analysis	.34
CHAPTER	IV	.35
FINDINGS	AND DISCUSSION	.35
	A. Findings	.35
	B. Discussion	.52
CHAPTER	V	.55
CLOSURE		55
	A. Conclusion	.55
	B. Suggestions	.55
REFEREN(	CES	.57
A DDELLO	NTG	

CURRICULUM VITAE	87

# LIST OF TABLES

Table 1: TPACK indicators	30
Table 2: TPACK Levels category	31
Table 3: Criteria of Reliability	33
Table 4: Analysis of Validity and Reliability TK	35
Table 5: Analysis of Validity and Reliability PK	36
Table 6: Analysis of Validity and Reliability CK	36
Table 7: Analysis of Validity and Reliability TPK	37
Table 8: Analysis of Validity and Reliability TCK	37
Table 9: Analysis of Validity and Reliability PCK	38
Table 10: Analysis of Validity and Reliability TPACK	39
Table 11: Pre-service English Teachers' Technological Knowledge Result	40
Table 12: Pre-service English Teachers' Pedagogical Knowledge Result	42
Table 13: Pre-service English Teachers' Content Knowledge Result	43
Table 14: Pre-service English Teachers' Technological Pedagogical Knowledge Result	45
Table 15: Pre-service English Teachers' Technological Content Knowledge Result	46
Table 16: Pre-service English Teachers' Pedagogical Content Knowledge Result	47
Table 17: Pre-service English Teachers' Technological Pedagogical and Content Knowledge Result	49

# LIST OF FIGURES

Figure 1: TPACK Framework from Mishra & Koehler (2008)	
www.tpack.org	11

# LIST OF APPENDICES

- 1. Transliteration
- 2. Technological Pedagogical And Content Knowledge (TPACK)
  Instrument
- 3. Validity
- 4. Reliability
- 5. Technological Pedagogical And Content Knowledge (TPACK)
  Instrument
- 6. Respondence
- 7. Descriprive Statistics
- 8. The Letters
- 9. Curriculum Vitae