

An Investigation on Pre-service English Teachers' Digital Literacy

A Skripsi

Submitted to Language Education Faculty as a Partial Fulfillment of the

Requirements for the Degree of

Sarjana Pendidikan



By:

Barra Adam Firdaus

20200810116

English Language Education Department

Faculty of Language Education

Universitas Muhammadiyah Yogyakarta

2024

Statement Of Authenticity

I here by

Name : Barra Adam Firdaus
Student Number : 20200810116
Study Program : English Language Education Department
Faculty : Faculty of Language Education
University : Universitas Muhammadiyah Yogyakarta

Certify that this *skripsi* entitled “An Investigation on Pre-Service English Teachers Digital Literacy” is certain my work and it does not consist of other people work. I am entirely responsible for the content of this *skripsi*. Others’ opinion findings included in this *skripsi* are quoted in accordance with ethical standards.

Yogyakarta, October 08, 2024



Barra Adam Firdaus

NIM. 20200810116

Acknowledgement

First and foremost, I would like to praise Allah the Almighty, the Most Gracious, and the Most Merciful for His blessing given to me during my study and completing this thesis. May Allah's blessing goes to His final Prophet Muhammad (peace be up on him), his family and his companions.

I would like to thank my advisor, Dr. Suryanto and also my examiners Maryam Sorohiti, M. H. Sc and Dr. Dra Hermayawati, S.Pd., M,Pd, for their invaluable guidance and support throughout this journey. Their expertise and encouragement have been instrumental in shaping my work. I am also grateful to all my teachers, who provided the essential resources and equipment that were vital for my research, without which I would not have been able to work effectively on this assignment.

I would like to express my sincere appreciation to my parents, siblings, friends and my girlfriend. Their unwavering support and encouragement have strengthened me during challenging times, motivating me to persevere and complete this thesis.

Lastly, I wish to acknowledge anyone whose support I cannot list individually. Your contributions, whether big or small, have played a significant role in helping me complete my skripsi, and I am truly thankful for every one of you.

Yogyakarta, 26 Oktober 2024



Barra Adam Firdaus

Table of Contents

Approval Page	2
Statement Of Authenticity.....	3
Acknowledgement	4
Table of Contents	5
List of Figures.....	8
List of Tables	8
Abstract.....	9
Chapter One	10
Introduction.....	10
Background of The Research.....	10
Identification of Problems.....	15
Delimitation of The Research	16
Research questions.....	17
The Objectives of the Research	17
The Significance of the Research.....	17
Organization of the Chapters	18
Chapter Two	20
Literature Review.....	20
Digital Literacy	20
Digital Literacy Framework.....	21
Research and Information Literacy	22
Critical thinking, problem-solving, and decision-making.....	23
Creativity and Innovation.....	24

Digital Citizenship	25
Communication and Collaboration	30
Technology Operations and Concepts	30
Protection	34
Rights	36
Empowerment	37
Types of Digital Literacy	40
Information literacy.....	40
Media Literacy	41
Digital Scholarship.....	41
Learning skills.....	42
Communication and Collaboration	42
Career and identity management.....	43
ICT literacy	43
Digital Tools	44
Mobile Technologies.....	44
Apps	45
Websites	46
Search Engine.....	47
Social Media.....	47
Cloud Services	48
Pre-service English teachers	49
Pre-service English teachers on digital literacy	50
Review of Related Studies	53
Conceptual Framework.....	56
Chapter Three	58
Methodology	58
Research Design.....	58

Research Setting.....	59
Research Population and Sample	59
Population	60
Sample.....	60
Instrument	61
Validity and Reliability	62
Data Collection Procedure	65
Data Analysis	66
Descriptive Statistics.....	66
Chapter Four	71
Finding and Discussion	71
The students' digital literacy level at a private university of Yogyakarta.....	71
The dominant components of digital literacy for the students at a private university of Yogyakarta.....	73
The Most Dominant Components	75
Mid-Level Component	79
Two lowest components.....	82
Chapter Five	88
Conclusion and Recommendation	88
Conclusion	88
Recommendations.....	90
References	94
Appendices	105
Appendix.1 Table Validity.....	105
Appendix.2 Table Reliability.....	107

Appendix.3 Table Questioner	109
Information Processing and Management.....	109
Internet Safety	109
Privacy and Security	109
Creative Credit and Copyright	110
Legal and Ethical Aspects.....	110
Balanced Attitude Towards Technology.....	110
Specialized And Advanced Skills for Learning	110
Specialized And Advanced Skills for Creative Expression	111

List of Figures

Figure 1 Conceptual Framework.....	57
Figure 2 Level of Digital Literacy	74

List of Tables

Table 1 Criteria of Reliability of Cronbach's Alpha.....	64
Table 2 Reliability Statistics	64
Table 3 Type of Response.....	66
Table 4 Digital Literacy Category.....	67