

***DEVELOPING DIGITAL LITERACY RESOURCES FOR MIDDLE  
SCHOOL STUDENTS: A HIGHLIGHT ON LITERACY LEVEL***

**A THESIS**

Submitted to English Language Teaching Department of *Tarbiyah* and Teacher Training  
Faculty of *Syekh Nurjati* State Islamic Institute Cirebon  
in Partial Fulfillment of the Requirement of Undergraduate Degree



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## ABSTRACT

*Nindy Dwi Helyanti. 1808103016. Developing Digital Literacy Resources for Middle School Students: A Highlight on Literacy Level*

In 2018 the Program for International Students Assessment (PISA) result indicates that Indonesia is at a very low literacy level (ranked 71st out of 77th countries). Furthermore, there is a declining trend (64 points) in 10 years in terms of the English Proficiency Index (EPI) as recorded by English First (EF). This fact, however, does not encourage us to move away from using the traditional pedagogy that is oriented toward the memorization of grammar and vocabulary. Recent research conducted by Sudimantara (2021) shows that there is a new alternative to teaching English academic writing without relying on grammar and vocabulary. In this study, Sudimantara (2021) develops a new pedagogy (multisensorial load reduction strategies) that activates the nonverbal components of language (rhythm, intonation, movement, emotion, and aesthetics), which are first processed in the right hemisphere, as the foundation of grammatical processing in the left hemisphere of the brain. This research, in fact, has generated a surprising result where the experimental group has made a highly significant learning improvement. Likewise, A.-B Lian (2020; 2017) introduced an innovative learning tool (Reading for Emotion) to help students learn in a critical and reflective way without relying on pedagogical grammar. He, Sangarun, & A.-P Lian, (2015) also developed an innovative and successful prosody-based English language learning approach in Thailand, Vietnam, and China. These studies suggest that embracing a brain compatible approach is the prerequisite for transformative pedagogy. In line with these studies, this study provides an innovative prototype of story-based digital literacy learning resources. Fletcher (2021) notes that humans do not only think in story but also recall and reconstruct events in their memory in the form of story. The study was undertaken within a qualitative Research and Development framework. All research steps (Research and Information Collecting, Planning, Develop Preliminary Form of Product, and Evaluation) were completed. The result shows that this new digital literacy resource is applicable in the current curriculum context with some expected future improvement. This study is expected to generate more research on the development of brain-compatible digital literacy resources.

**Keywords:** *Learning, Literacy, Story, Resources, Innovation*

**APPROVAL**

**DEVELOPING DIGITAL LITERACY RESOURCES FOR MIDDLE  
SCHOOL STUDENTS: A HIGHLIGHT ON LITERACY LEVEL**

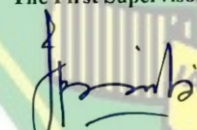
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*Assalamu'alaikum Warahmatullahi Wabarakatuh*

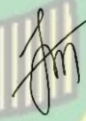
After guiding, analyzing, briefing, and correcting the writing of Nindy Dwi Helyanti with registered number 1808103016 entitled “**DEVELOPING DIGITAL LITERACY RESOURCES FOR MIDDLE SCHOOL STUDENTS: A HIGHLIGHT ON LITERACY LEVEL**”, we are of the opinion that her thesis can be offered to be presented to the English Language Teaching Department, Tarbiyah and Teacher Training Faculty, Syekh Nurjati State Islamic Institute Cirebon.

*Wassalamu'alaikum Warahmatullahi Wabarakatuh*

Cirebon, 17<sup>th</sup> June 2022

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## LETTER OF AUTHENTICITY

*Bismillahirrahmanirrahim*

I acknowledge that this thesis entitled “**DEVELOPING DIGITAL LITERACY RESOURCES FOR MIDDLE SCHOOL STUDENTS: A HIGHLIGHT ON LITERACY LEVEL**” consists entirely of my original work, with citations and references from reliable sources, written using an appropriate scientific style.

This letter of authenticity has been written in accordance with the facts. I accept full responsibility for any hazards that may arise in the future if it is determined that my work violates the ethics of scientific writing.

Cirebon, 23<sup>rd</sup> May 2022

The Researcher









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**RATIFICATION**

The thesis which is entitled "DEVELOPING DIGITAL LITERACY RESOURCES FOR MIDDLE SCHOOL STUDENTS: A HIGHLIGHT ON LITERACY LEVEL" Written by Nindy Dwi Helyanti, with registered number 1808103016, has been examined on June 16<sup>th</sup>, 2022. It has been accepted by the examiners as one of requirements for Undergraduate Degree in English Language Teaching Department at *Tarbiyah* and Teacher Training Faculty, *Syekh Nurjati* State Islamic Institute Cirebon.

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## AUTOBIOGRAPHY

Nindy Dwi Helyanti was born in Brebes, 13<sup>rd</sup> November 1999. She lives in Jln. Kartini No. 21 RT 002/RW 005 Desa Pende, Kecamatan Banjarharjo, Kabupaten Brebes, Jawa Tengah.



Her father's name is Kamim and her mother's name is Warem. The researcher is the last daughter in her family. She has one sister. Her sister's name is Ovia Nur Aeniroh. She grew up in a very supportive family environment. This makes the researcher always grateful and continue to be enthusiastic in learning.

The researcher participated in international conferences and professional courses. They are Oxford University (*ELTCO March 2022*); British Council (*Seeing Black: How to Build Anti-Racism Into Teaching English Publications*) 2022; British Council (*Climate Action in Language Education*) 2022; Australian Council for Educational Research (ACER) X International Conference on Assessment and Learning (ICAL) 2022; Teacher Tech Summit T4 2022; CHGE Annual Conference 2022 (*Higher Education Knowledge in a Plural World, 24-25 May 2022*); Monash University (*Virtual Campus Fair 2022*); Bright Up X Schoters (*Get Your Scholarship Abroad By Mastering Your Personal Statement*) 2022. Short courses attended are British Council and ERKU 2 "Mix method in research". Those are amazing experiences. Thank you so much for sharing information and guiding us in an impressive moment, Mr Lala Bumela, Ph.D.

The researcher has several educational background. She studied at a kindergarten TK Al-Ikhlash Pende for two years, at SD Negeri Pende 02 for six years, at SMP Negeri 1 Banjarharjo for three years, at SMA Negeri 1 Brebes for three years, and now She is studying at IAIN Syekh Nurjati Cirebon for four years. Alhamdulillah, for all the blessings in learning.

As a student at University, the researcher has several experiences on organizations at University. The experiences are to be a committee in several webinars held at English Language Teaching Department and a member of English Department Students Association one period (2019-2020) in Forming of Cadre Division.

## MOTTO

*“Man jadda wajada”*

*(Manusia yang bersungguh-sungguh, ia pasti berhasil)*





## ACKNOWLEDGMENT

The time has finally come for me to express my gratitude to everyone who has assisted me in completing my thesis. This would never have happened without the support of both parents, research supervisors, and near friends. I am grateful for anything from them.

There are no words that can accurately convey how lucky I am to work with my two supervisors, Lala Bumela, Ph.D., and Listiana Ikawati, M.Hum. Both of my supervisors have a myriad of knowledge that I have never met before. While allowing me to develop my thesis in my own way, they helped me change a new perspective on the world of education. What's interesting is that while I was working with my supervisor, I was introduced to new, interrelated sciences such as transformative pedagogy, neuroscience in learning, multisensory learning, and a new tool for language learning approaches, namely reading for emotion. New perspectives that not many people talk about. I personally appreciate their kindness, wisdom, and encouragement.

My first sincere thanks to my parents Mr Kamim and Ms Warem. They always support me in any condition. Day after day, they gave me a million support while I was working on my thesis. Second, I would also like to acknowledge my sister and brother-in-law, Ms Ovia Nur Aeniroh and Taurisma Bakhtiarasani who always help me in any situation. When I feel down, my family is always the first support system that strengthens me. Third, I also thank my colleagues from the research team. Mr. Lala Bumela, Ph.D. named us Research and Innovation Forums. Each of our guides always discusses issues in the scope of the latest education, then analyzes these issues, and at the end, we give our respective opinions related to the issues discussed. This is one of the great transformation thinking for our team. Finally, the most important main gratitude goes to Allah the Almighty, who makes all great things happen to me, including the completion of my Bachelor's Degree Alhamdulillah.

Cirebon, 23<sup>rd</sup> May 2022

The Researcher

**Nindy Dwi Helyanti**

**Reg. Number 1808103016**



## PREFACE

In the name of Allah SWT, the Most Gracious and Merciful, all praise and thanks are due to Allah, the Lord of the universe. May the prophet Muhammad SAW (peace be upon him), his family, and his followers be blessed until the end of time.

The research is entitled “**DEVELOPING DIGITAL LITERACY RESOURCES FOR MIDDLE SCHOOL STUDENTS: A HIGHLIGHT ON LITERACY LEVEL**”, which is presented to the English Language Teaching Department Tarbiyah and Teacher Training Faculty Syekh Nurjati State Islamic Institute Cirebon in partial fulfillment of the requirements for the Bachelor's degree.

The researcher is confident that this thesis is still far from perfect; therefore, she will be responsible for any errors or omissions and will gladly accept any suggestions or ideas to improve it. The researcher hopes that this thesis will be of use to the English Language Teaching Department and to all readers.

Cirebon, 23<sup>rd</sup> May 2022

The Researcher

**Nindy Dwi Helyanti**

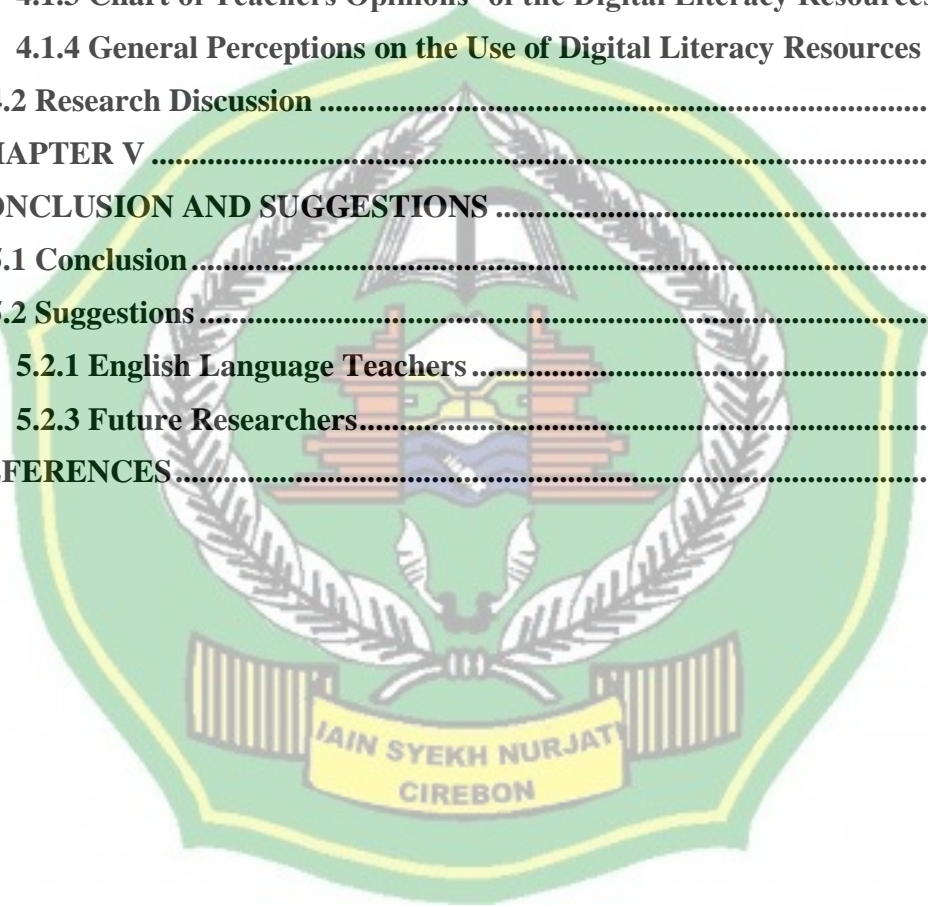
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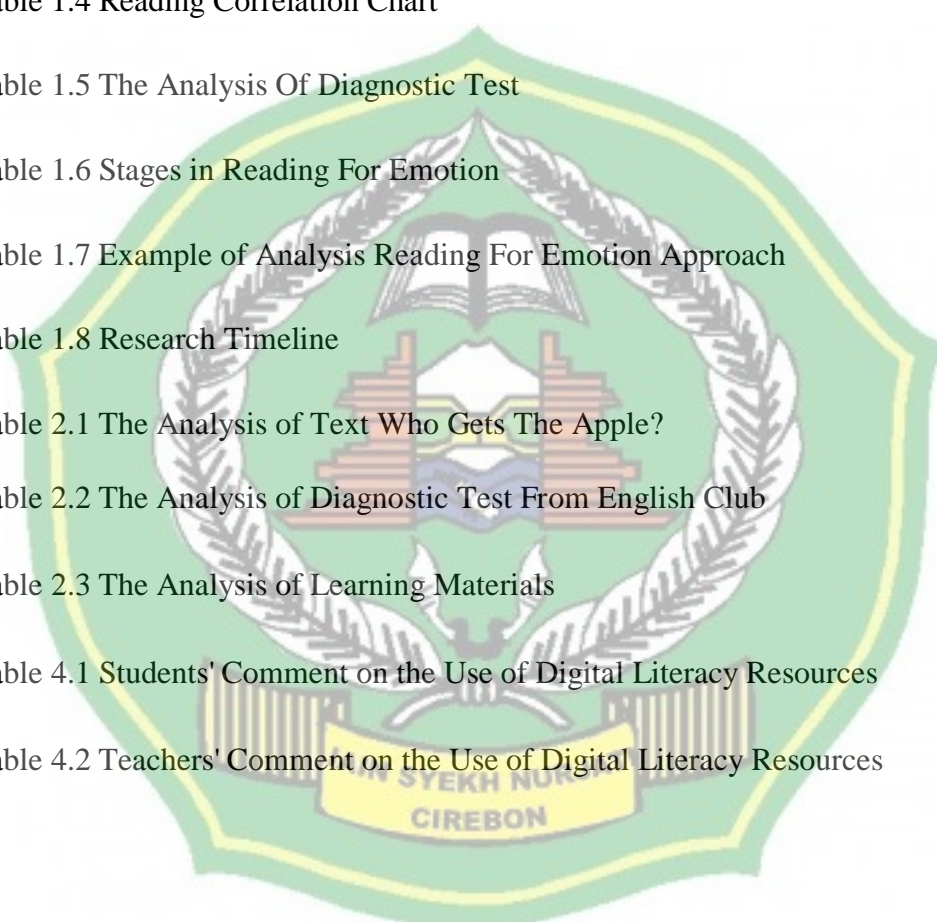
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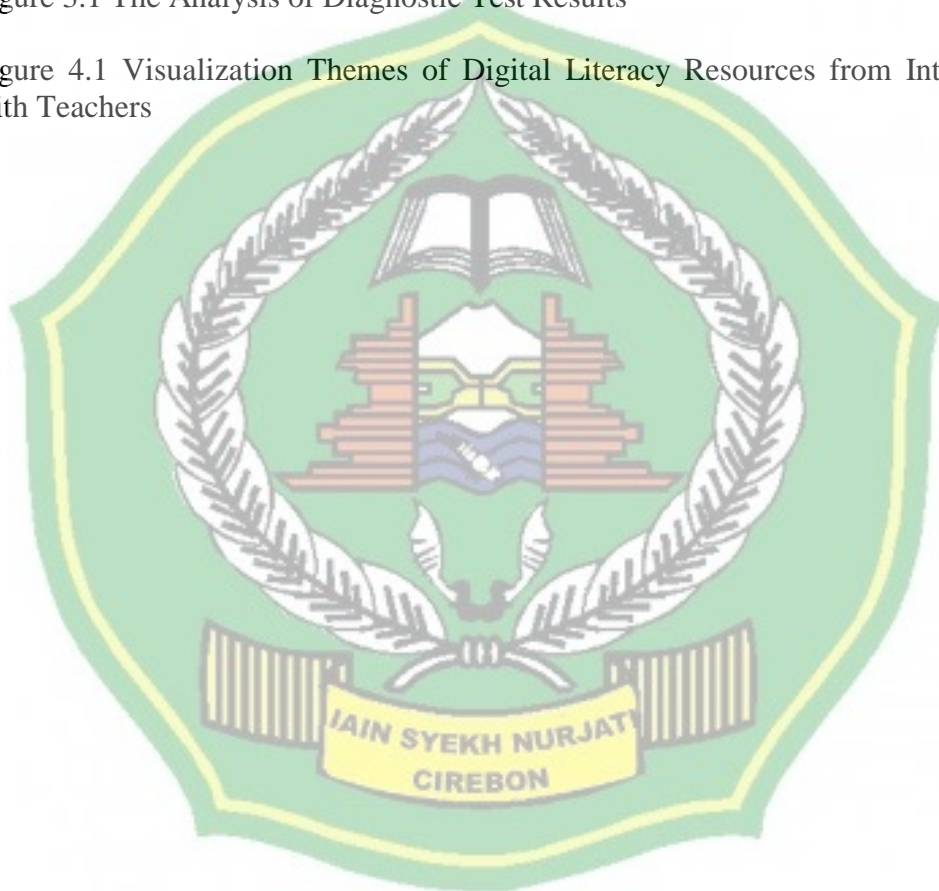
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