



**XCR CORRECTX: MOBILE SCANNING AND MULTIPLE-  
CHOICE ANSWER SHEET CORRECTION APPLICATION  
SYSTEM**

**UNDERGRADUATE FINAL PROJECT**

**SUBMITTED AS ONE OF THE REQUIREMENTS TO OBTAIN  
SARJANA KOMPUTER**

**By:**

**WALTRUDIS WALDI SEVENTINO  
001201800085**

**FACULTY OF COMPUTING  
INFORMATICS STUDY PROGRAM  
PRESIDENT UNIVERSITY**

**CIKARANG, BEKASI, INDONESIA  
AUGUST 2023**

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**XCR CORRECTX:MOBILE SCANNING AND MULTIPLE-  
CHOICE ANSWER SHEET CORRECTIONAPPLICATION  
SYSTEM**

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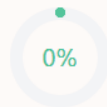
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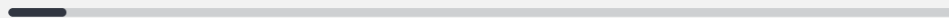
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XCR CORRECTX: MOBILE SCANNING AND MULTIPLE- CHOICE ANSWER SHEET  
CORRECTION APPLICATION SYSTEM By Waltrudis Waldi Seventino 001201800085 A Final  
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of Computing PLAGIARISM CHECK RESULT i ABSTRACT Technology plays a significant role  
in assisting us in carrying out our daily activities in today's world. With the help of  
increasingly advanced technology, almost everything can be done more easily. Many parts  
of daily life can be improved as a result of technological improvements, one of which is  
education. In Indonesia, educational institutions are already promoting the use of  
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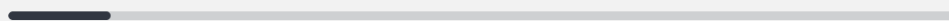
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## **ABSTRACT**

Technology plays a significant role in assisting us in carrying out our daily activities in today's world. With the help of increasingly advanced technology, almost everything can be done more easily. Many parts of daily life can be improved as a result of technological improvements, one of which is education.

In Indonesia, educational institutions are already promoting the use of technology in their daily activities. Despite technological advancements, there are still areas in the field of education in Indonesia that have not been totally impacted by technology, one of which is when educators carry out the process of correction on a multiple-choice answer sheet.

Through the "XCR CorrectX" application developed in this Final Project, the author will combine OCR and OMR technology to make it easier for educators in Indonesia to do the process of process multiple-choice answer sheet correction, which previously had to be done manually.

## **DEDICATION**

*I would like to dedicate this Final Project to myself, my parents, and those  
that are dear to me. Thank you for everything.*

## **ACKNOWLEDGEMENT**

I express my biggest gratitude to the God Almighty Father, the Son, and the Holy Spirit, for the extraordinary blessings and unwavering love that persistently grace my existence. I am grateful for the grace of God, as it has enabled me to successfully complete this Final Project. I would like to take this opportunity to express my sincere appreciation to:

1. To my Father, Mother, my beloved Brother and Sisters, and all those who have consistently supported and encouraged me throughout my life,
2. To Ms. Cutifa Safitri, B.CS, M.IT, Ph.D., I'm truly grateful for your dedication, for giving me a comprehensive guidance throughout the entire process of my Final Project. You are truly the greatest lecturer.
3. To my best friends from childhood, and during school, you guys are the best.
4. To my friends in arms during college and thesis period.
5. And to those who are dear to me, Thank you very much from the deepest of my heart.

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