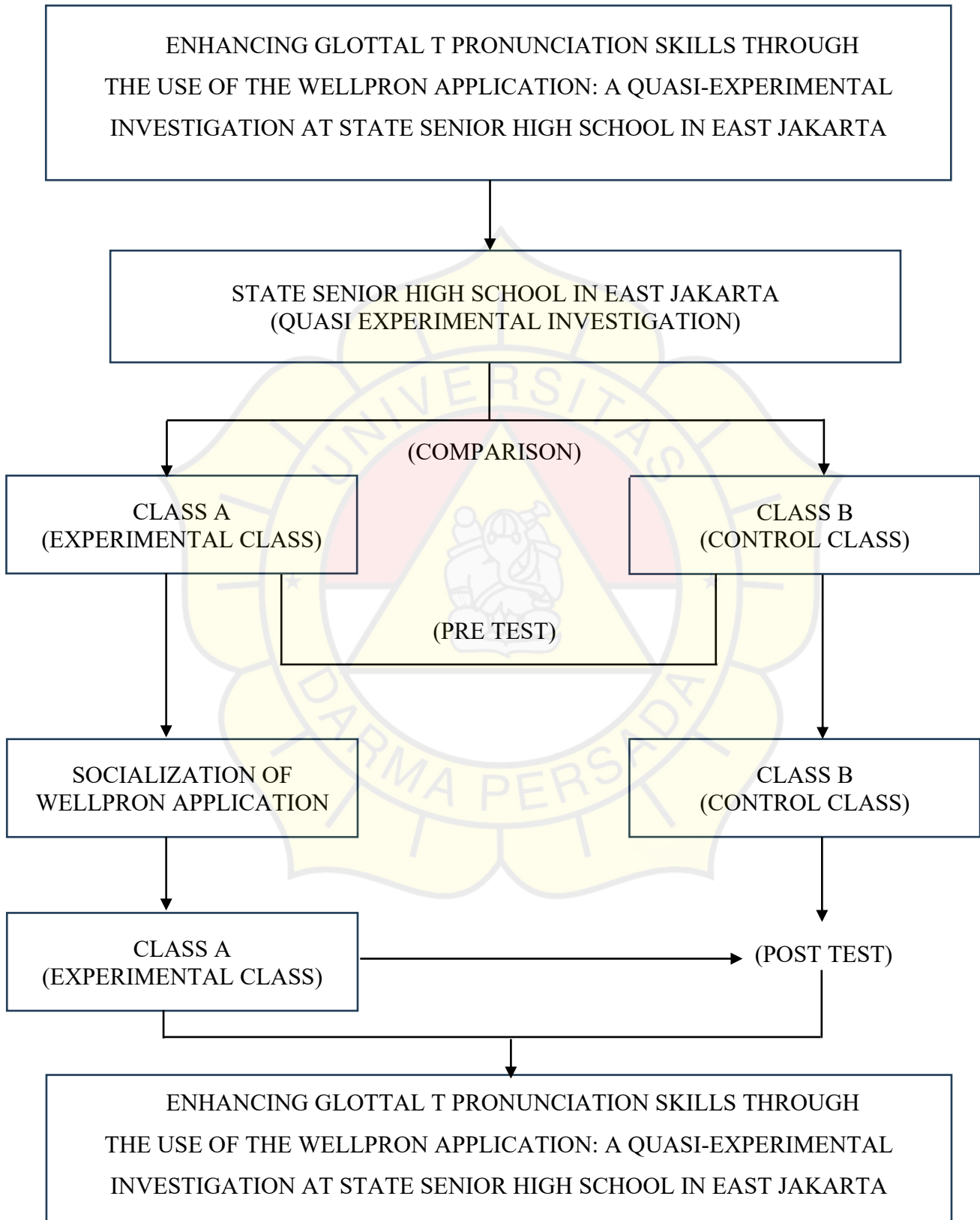


# APPENDIX 1

## SCHEME OF THE RESEARCH



## APPENDIX 2 POSTER OF THE RESEARCH



**Kusbandi Salatin**  
**2022130046**

### ENHANCING GLOTTAL T PRONUNCIATION SKILLS THROUGH THE USE OF THE WELLPRON APPLICATION: A QUASI-EXPERIMENTAL INVESTIGATION AT STATE SENIOR HIGH SCHOOL IN EAST JAKARTA

#### Background

English is a world language of communication that is utilized by numerous countries in the world. English has been adopted by various countries for international communication within homogeneous nations and across multiple countries worldwide. Indonesia is a country that implemented English as a Foreign language (EFL) in communication activities

#### Formulation of the Problem

1. Is there a significant difference in students' pronunciation skills og glottal [t] before and after socialization using the Wellpron application?
2. Is there a significant difference in glottal [t] pronunciation between students taught using the Wellpron application and those taught using conventional teaching methods?

#### Method

This study employed a quasi-experimental research method using a non-equivalent control class design. The quasi-experimental approach was selected because the researcher was unable to fully randomize the research subjects, as the students were already assigned to existing classes

#### Objective of the research

1. To determine a significant difference in students' pronunciation skills of glottal [t] before and after instruction using the Wellpron application.
2. To compare the significant difference in pronunciation skills glottal [t] between students taught using the Wellpron application and those taught using conventional teaching methods.

#### Conclusion

Based on the entire analysis and observation of students in Senior High School in East Jakarta, we found several results from field observations regarding the use of the Wellpron application and conventional teaching methods in classroom activities for teaching English, particularly pronunciation. There existed a significant effect on students' pronunciation ability before and after socialization using the Wellpron application, as evidenced by the Asymp. Sig. (2-tailed) value of 0.000 obtained from the pre-test and post-test results of the experimental group

#### Benefit of the research

A research study for this theme, more showing the function of the Wellpron application related to the pronunciation of the glottal [t] towards students of The State Senior High School in East Jakarta, is capable of representing English as a Second Language (ESL) anglophones. In addition, the Wellpron application is a tool to assist students in gaining additional competency in English as a Second Language.

#### Wellpron Application

Wellpron application is a technology that combines digital media and academic education, which is able to analyze the difference in pronunciation in the English vocabulary. It perceives the comprehension vocabularies with different sounds and pronunciation. Wellpron also emphasized building student competency in speaking and pronunciation of English. The application is created through the IELTS engine ReactJS with a backend/server. Alongside this application in the shape of a website using Apache, the language comes from PHP (Hypertext Preprocessor) with open source

# APPENDIX 3 PRESENTATION SLIDES



ENHANCING ESL STUDENTS' PRONUNCIATION SKILLS THROUGH THE USE OF THE WELLPRON APPLICATION: A QUASI-EXPERIMENTAL INVESTIGATION AT STATE SENIOR HIGH SCHOOL IN EAST JAKARTA



Kusbandi Salatin  
2022130046

ENGLISH LANGUAGE AND CULTURE DEPARTMENT PROGRAM  
DARMA PERSADA UNIVERSITY  
JAKARTA 2025



UNIVERSITAS  
DARMA PERSADA

## GRATITUDE TO :



Academic  
Advisor



Examiner



The Head of  
Board Examiner

Bachelor Term paper Dafense

Bahasa & Kebudayaan Inggris

## IDENTIFICATION OF THE PROBLEM

01

How Glottal [t] sounds are unfamiliar to be applied in the academic formal activities around The State Senior High School in East Jakarta?

02

What are the significant differences in the pronunciation skills of glottal [t] pronunciation accuracy between students who use the Wellpron application and those who do not utilize the application?

WellPRON

Page 02

## FORMULATION OF THE PROBLEM

Based on the elaboration of the problems related to pronunciation glottal [t] pronunciation and Wellpron application above, the English learning process has been mentioned in the identification of the problems, and based on the focus of the Spelling and Pronunciation study in Phonology of English pronunciation glottal [t] sound.

FORMULATION OF THE PROBLEM 1

Is there a significant difference in students' pronunciation skills before and after socialization using the Wellpron application?

FORMULATION OF THE PROBLEM 2

Is there a significant difference in pronunciation skills between students taught using the Wellpron application and those taught using conventional teaching methods?

WellPRON

Page 3



Bahasa & Kebudayaan Inggris

## Table of Contents

Background of Problem	Review of Previous Study
Identification of the Problem	Method of The Research
Formulation of Problem	Research Findings & Analysis
Framework of the theories	Conclusion

Bahasa & Kebudayaan Inggris

## FRAMEWORK OF THE THEORIES QUASI EXPERIMENTAL

01 Experiment Class

Implementing the Wellpron Application towards students in the class experiment related to pronunciation glottal [t]

02 Control Class

Class of Control as a comparison data analysis towards student who did not use the Wellpron application yet.

WellPRON

Page 04



## Background of The Problem

Pronunciation and speaking skills are essential components of English learning, yet phonology is not explicitly taught as a distinct subject at the senior high school level. Instead, it is integrated into general speaking and pronunciation instruction. Phonology, as an important branch of linguistics, focuses on speech sounds and pronunciation, including glottalization—especially the glottal [t]. Glottalization, commonly used by native speakers in both formal and informal communication, reflects advanced pronunciation competence and contributes to clearer and more confident communication.

The development of English pronunciation has been influenced by cultural, historical, and technological factors. In modern communication, glottalization has become widespread among native speakers, making it important for ESL and EFL learners to understand and practice this feature to improve listening comprehension, pronunciation accuracy, and academic performance. Components of glottalization include glottal stops, glottal reinforcement, and glottal replacement, all of which affect the realization of the [t] sound.

In the digital era, technology plays a significant role in supporting English learning, particularly pronunciation practice. Digital applications provide autonomous learning opportunities and self-assessment tools for students. One such tool, the Wellpron Application, is designed to help learners practice and evaluate their pronunciation of the glottal [t]. By integrating technology into pronunciation learning, students can enhance their speaking skills, gain confidence in global communication, and better adapt to the evolving use of English in academic and international contexts.



## REVIEW OF PREVIOUS STUDY

01

AN ANALYSIS OF STUDENTS' PHONOLOGICAL ERRORS IN PRONOUNCING LEXICAL ITEMS AT SENIOR HIGH SCHOOL 12 PEKANBARU (2020).

02

ERROR ANALOGY OF ENGLISH PRONUNCIATION OF THE SIXTH SEMESTER STUDENTS OF ENGLISH LITERATURE DEPARTMENT AT UIN MAULANA MALIK IBRAHIM MALANG (2021).

03

AN ANALYSIS OF STUDENTS' PRONUNCIATION IN PLOSIVE VOICELESS CONSONANTS OF THE THIRD SEMESTER AT ENGLISH LANGUAGE EDUCATION OF FKIP UIR (2022)



Second Problem : is there a significant difference in pronunciation skills between students taught using the Wellpron application and those taught using conventional teaching methods?


EXPERIMENTAL CLASS	PRE TEST	SOCIALIZATION OF WELLPRON APPLICATION	POST TEST
CONTROL CLASS	PRE TEST	X (conventional)	POST TEST

**H0:** (hypothesis nol) it is a hypothesis with there is no changing data  
**H1:** (hypothesis alter null) It is a hypothesis with there is changing data

Test Statistics <sup>a</sup>	
	Asymptotic
Mann-Whitney U	200
Z	211,295
Significance (2-tailed)	0,004
Exact Sig. (2-tailed)	0,007
Exact Sig. (2-tailed) Continuity Correction <sup>b</sup>	0,027
a. Grouping Variable: Class	
b. Not corrected for ties.	

According to Mann-Whitney U, stated that, the result of post-test of Experimental class, and post-test control class, it can **influence significantly**, if the result less of 0.05, thus, according to data above result 0.004 is less of 0.05, thus it can be said **"successful significantly"**, it is own **significant influenced**.

## Conclusion



**For Student**  
 Students are encouraged to use the Wellpron application regularly to improve their pronunciation skills, including segmental pronunciation, intonation, and word stress. Learners should pay the attention to the feedback provided by the application and repeat the courses until more accurate pronunciation is achieved.  
**Wellpron application for student can enhance capability of students, it is proved by the data research with a quasi experimental at State Senior High School in east Jakarta**

**For teacher/Teacher**  
 It is recommended to integrate the Wellpron application as a supplementary media in pronunciation instruction, while also guiding for student in the classroom. Its use so that students can obtain the benefit from the application optimally. Teachers are encouraged to combine the use of the application with conventional methods, such as oral practice or group discussions, to ensure that students receive a more comprehensive learning experience.  
**Wellpron application for Teacher can be motivated and combined conventional and also digital because this is era digital, then according to data the second problem that using wellpron can be support teacher as a center of learning with digital media for faculty learning system. It is proved by analysis and research at State Senior High School in east Jakarta with influencing significantly.**

## SPECIAL THANKS TO:




Academic advisor



Programer



Statistic tutor



NAME : Darma Persada University

# APPENDIX 4 TOEIC CERTIFICATE



TCC Batavia Tower One, Lt. 6 - Jl. K.H. Mas Mansyur No.Kav. 126, RW.6,  
Karet Tengsin, Kec Tanah Abang, Kota Jakarta Pusat, DKI Jakarta 10220

Nomor Pokok Sekolah Nasional (NPSN): K5667734

## TOEIC® PREDICTION SCORE

GE.EPT.02C.60736

This is to certify that

**KUSBANDI SALATIN**

has achieved the following scores on the  
**GOLDEN ENGLISH PROFICIENCY TEST (GE-EPT)**  
January 13th, 2026

Listening

**420**

Reading

**490**

Overall Score

**910**

The score above is used as prediction score for the TOEIC®  
TOEIC® is registered trademark of Educational Testing Service.  
There is no relationship between Golden English and ETS.

Scan Here for Validation



This certificate is valid until:  
**January 13th, 2027**

**Aldo Rinaldy Yunandar**  
Managing Director

## APPENDIX 5 CERTIFICATES

### 1. National Level







**CERTIFICATE  
OF APPRECIATION**  
NO.:SERT-179/UN2.F7.D/PPM.01.01/2024  
PROUDLY PRESENTED TO

**Kusbandi Salatin**

as **Participant**  
in the Public Lecture  
"Integrated English Skills for Tertiary Study: Key Challenges for Language Task Design and Assessment"  
held on January 16th, 2024 at the Faculty of Humanities, Universitas Indonesia  
January 16th, 2024



**Dr. Bondan Kanumoyoso, S.S., M.Hum.**  
DEAN



HISKI Komisariat Jember, Jurusan Sastra Indonesia  
FIB UNEJ, Jurnal Semiotika, PERSADA, MEDAGEN, OKARA

**SERTIFIKAT**

Nomor: 163/HISKI/XII/2023

diberikan kepada:

**Kusbandi Salatin**

Sebagai

**PESERTA**

Dalam acara NGONTRAS#29 (Ngobrol Nasional Metasastra ke-29)  
tema Ideologi Gender dengan pembicara  
Prof. Dr. Yulianeta, M.Pd. dan Zahratul Umniyyah, S.S., M.Hum.

Jember, 16 Desember 2023  
Ketua HISKI Komisariat Jember



**Dr. Haru S.P. Saputra, M.Hum.**  
NIP. 196805121993031002



# SERTIFIKAT PENGHARGAAN

DIBERIKAN KEPADA

*Kusbandi Salatin*

Sebagai Peserta dalam Acara Sabtu Bersama Alumni  
Universitas Darma Persada pada tanggal 11 November 2023.



**Dr. Yoga Pratama, SS. M. Pd**  
Ketua Jurusan Bahasa dan  
Kebudayaan Inggris



**Kemala Setiati**  
Ketua HIMASINDA

UNIVERSITAS GADJAH MADA

2023  
**StuCELL**

In collaboration with  
**esaj**  
English Studies Association  
in Indonesia

## Certificate of Appreciation

Proudly presented to

**KUSBANDI SALATIN**

as

The audience of Student Conference of English Literature and Linguistics on October 3-4, 2023

**Dr. Adi Sutrisno, M.A**  
Chair, ESAJ & Head of  
English Studies UGM

**Adiba Qonita Zahroh, S.S., M.Litt.**  
Steering Committee,  
StuCELL 2023

**Mahdi Ismail Syariati**  
Chair, StuCELL 2023

Yogyakarta, October 1st 2023

The Secretariat of Student Conference of English Literature and Linguistics  
Email : [stuCELL.fib@ugm.ac.id](mailto:stuCELL.fib@ugm.ac.id) Instagram: [stuCELL\\_ugm](https://www.instagram.com/stuCELL_ugm)

**SERTIFIKAT**  
NO: 145/UN39.5.Ps./DL.17/2023  
DIBERIKAN KEPADA  
**Kusbandi Salatin**  
Sebagai Peserta  
Dalam Webinar Gansa (Gangguan Berbahasa) yang diselenggarakan oleh  
Program Studi Doktor Linguistik Terapan Universitas Negeri Jakarta  
pada Jumat, 15 Desember 2023.

Direktur Pascasarjana  
Negeri Jakarta  
Kordinatorator Program Studi  
Doktor Linguistik Terapan

Prof. Dr. Dedi Purwana ES, M. Bus. Prof. Dr. Endry Boeriswati, M. Pd.

UNIVERSITAS DIAN NUSANTARA

**SERTIFIKAT**  
01 / 67 / WEBINAR38 / XII / 2023

**KUSBANDI SALATIN**

Berpartisipasi Sebagai  
**PESERTA**

WEBINAR #38 Program Studi Sastra Inggris Universitas Dian Nusantara  
Dengan Tema "Urgensi Kajian Poskolonialisme dalam Ilmu Susastra"

Jakarta, 23 Desember 2023

Rektor Universitas Dian Nusantara

Prof. Dr. H. Suharyadi, M.S.



# SERTIFIKAT

NO:15/SRT/HISKI/II/2024

DIBERIKAN KEPADA :

**Kusbandi Salatin**

Atas partisipasinya pada acara Sekolah Sastra dengan tema "Sastra Pariwisata" pertemuan ke-1 yang diselenggarakan oleh HISKI Pusat Pada Tanggal 03 Februari 2024.

SEBAGAI PESERTA

Jakarta, 03 Februari 2024

Ketua Umum HISKI



**Prof. Dr. Novi Anoeграjkti, M.Hum**  
NA: 8802074



FISIB



BAHASA & SAstra  
INGGRIS  
FISIB-UNIVERSITAS PAKUAN



BERDAMPAK

## SERTIFIKAT

No: 1363/D/FISIB-UP/XII/2025

Sertifikat ini diberikan kepada

**Kusbandi Salatin**

atas kontribusinya sebagai **Peserta** dalam kegiatan

**National Webinar: Literature, Nature, and Culture: Intersections and Interpretations**

sebuah program kolaborasi antara Program Studi Sastra Inggris, Fakultas Ilmu Sosial dan Ilmu Budaya, Universitas Pakuan dan Program Studi Bahasa dan Kebudayaan Inggris, Fakultas Bahasa dan Budaya, Universitas Darma Persada yang dilaksanakan secara daring pada Rabu, 17 Desember 2025.

Dekan Fakultas Ilmu Sosial dan Ilmu Budaya  
Universitas Pakuan



Dr. Muslim, M.Si.  
NIDN : 1.0909 048 513



# SERTIFIKAT

Diberikan kepada :

**KUSBANDI SALATIN**

sebagai tutor dalam kegiatan

## **Pengabdian Kepada Masyarakat (PKM)**

“Pelatihan Penguasaan Kosakata Bahasa Inggris Melalui Media Visual & Interaktif  
Bagi Tutor Siswa di Komunitas Kampung Bojong, Jakarta Timur”

23 Desember 2025



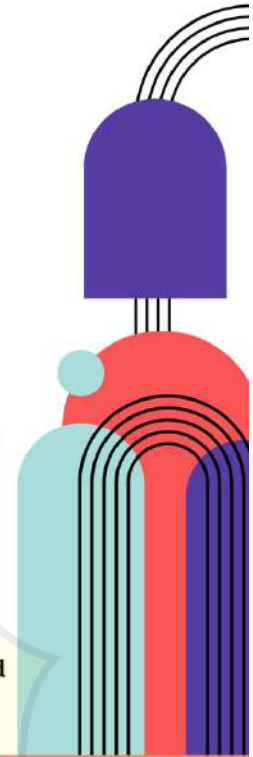
**Ijay Bin Kamin**

Pengurus Lembaga Sosial Gerakan Masyarakat  
Peduli Kampung Bojong (LSGMP)



**Dr. Yoga Pratama, S.S, M.Pd**

Ketua Program studi Bahasa dan  
Kebudayaan Inggris



## 2. International Level



KANTO GAKUIN UNIVERSITY

## Certificate

This is to certify that

**Kusbandi Salatin**

participated in the Online International Exchange Program  
held as part of the Exchange Culture in the English-Speaking World.  
During the course, the candidate has completed 700 minutes fieldwork.

Date of Participation

From November 22, 2023 to January 17, 2024

Signature *Deng Jie*

Dean

College of Intercultural Studies

Kanto Gakuin University

Date: February 15, 2024



KGU 関東学院大学  
KANTO GAKUIN UNIVERSITY

**DARMA PERSADA UNIVERSITY  
ENGLISH LANGUAGE AND CULTURE DEPARTMENT**

This certificate is presented to

*Kusbandi Salatin*

For participating in the "Cross-Cultural Event" between Kanto Gakuin University and Darma Persada University on February 11, 2025.



**Dr. Yoga Pratama, S.S., M.Pd**  
Head of the English  
Language and Culture Study Program



**Dr. C. Dewi Hartati, S.S., M.Si**  
Dean of the Faculty of  
Language and Culture



**CERTIFICATE**

Proudly Presented to:

**Kusbandi Salatin**

As Participant of:

International Conference on Multidimensional Applied Linguistics with the theme "Building Innovative Solutions to Contemporary Challenges Through a Multidisciplinary Approach in Applied Linguistics" which will be held on Wednesday, November 13, 2024



**Iskandar Syah Siregar, S.S., M.Hum., Ph.D.**

Conference Kindly  
Supported by:





Kementerian Agama Republik Indonesia  
 Universitas Islam Negeri Maulana Malik Ibrahim Malang  
**FAKULTAS HUMANIORA**

## CERTIFICATE OF PARTICIPATION

NO.: B-2206/FHm/HM.01.1/09/2025

This certificate is proudly presented to

For actively participating in the International Scholar Engagement lecture entitled:  
**"Ethnolinguistics and Its Significance: From the Himalayas to Indonesia"**

organized by the Department of English Literature, Faculty of Humanities, Universitas Islam Negeri Maulana Malik Ibrahim Malang on Thursday, September 18, 2025.

The lecture, delivered by Dr. Mark W. Post (The University of Sydney), explored the significance of ethnolinguistics as the study of language within culture, highlighting community-based field research, its relevance to the human sciences, and insights from the Eastern Himalayas with potential applications in Indonesia.

We truly appreciate your participation and commitment to academic enrichment.



## CERTIFICATE of Appreciation

Certificate number: 30106/PL2/DL/2023



is awarded to

*Kusbandi Salatin*

for his/her participation in the International Virtual Conference on  
 Language and Literature (IVICOLL) 2023  
 27-28 October 2023

as Participant



Malang, 28 October 2023

DIRECTOR

Supriatna Adhisuwigno, S.T., M.T.  
 NIP. 197101081999031001



Himpunan Sarjana  
Kesusasteraan Indonesia

# CERTIFICATE OF APPRECIATION

This certificate is proudly presented to

***Kusbandi Salatin, S.H., C.L.A., M.H.***

The 34<sup>th</sup> International Conference on Literature (KIK - 34)

“Literature and Social Activism”


Organized by HISKI Komisariat UNESA

Surabaya, 10-12 October 2025

as

PRESENTER

Chair of HISKI

  
Prof. Dr. Novi Anoeagrajeki, M.Hum

Committee Chair

  
Prof. Pratiwi Retnaningdyah, Ph.D



**KGU** 関東学院大学  
KANTO GAKUIN UNIVERSITY

**DARMA PERSADA UNIVERSITY  
ENGLISH LANGUAGE AND CULTURE DEPARTMENT**

This certificate is presented to :

# Kusbandi Salatin

For participating in the “Cross-Cultural Event” Internasional Seminar between Darma Persada University and Kanto Gakuin University, held on February 10, 2026.



Dr. Yoga Pratama, S.S., M.Pd

Head of the English  
Language and Culture Study Program



Dr. C. Dewi Hartati, S.S., M.Si

Dean of the Faculty of  
Language and Culture

宇野光範

Prof. UNO Mitsunori

Keynote Speaker  
Kanto Gakuin University

## APPENDIX 6 TERM PAPER COUNSELLING FORM

### LAPORAN KEMAJUAN PENULISAN SKRIPSI SARJANA

Nama Mahasiswa : Kusbandi Salatin  
 Dosen Pembimbing : Dr. Yoga Pratama, M.Pd.  
 Judul Skripsi : Enhancing Glottal T Pronunciation Skills Through The Use of The Wellpron Application: A Quasi-Experimental Investigation at : State Senior High School In East Jakarta  
 Mulai Bimbingan : 30 September 2025  
 Tahun Akademik : 2025/2026

No	Hari/Tanggal	Catatan Pembimbing	Paraf
1	2	3	4
1.	Selasa/30 September 2025	Tidak boleh menunjukkan nama detail sekolah dalam penelitian dan Mengganti nama judul yang terkait dengan penelitian Quasi-Experimental	
2.	Selasa/7 Oktober 2025	Abstraksi maksimal 250 kata dan keywordnya maksimal 5 kata kunci serta ukuran huruf font 10, dan menyarankan cover ada 2	
3.	Senin/13 Oktober 2025	Bab 1 Seluruh Paragraf spasi 1,5, pada Systematic of the problem tiap bab menyesuaikan garis besar tiap-tiap bab	
4.	Jumat/24 Oktober 2025	Pada limitation of the problem lebih menekankan batasan-batasan yang dapat diperbuat dan tidak dapat	
5.	Senin/27 Oktober 2025	Pada bagian hipotesis perlu dijabarkan komponen-komponen aplikasi Wellpron	
6.	Selasa/7 November 2025	Memberikan saran untuk membuat table observasi quasi-experimental: Angket, Pre-test, Post-test, Angket Interview, Angket ssetelah sosialisasi	
7.	Jumat/10 November 2025	Diberikan Surat Penelitian terhadap Siswa kelas X di salah satu SMA Negeri di Jakarta Timur	
8.	Selasa/25 Oktober 2025	Pada Bab 3 Tabel Lokasi tidak perlu cukup Gambaran besar dibuat dalam paragraph dan menjelaskan metode quasi-experimental terhadap hasil observasi dan analisis Pre-test, Post-test dan angket siswa dan guru dalam bentuk penghitungan statistic dan grafik	

9.	Selasa/2 Desember 2025	Permohonan Surat Balasan dari SMA Negeri di Jakarta Timur ke UNSADA bahwa observasi dan analisis sudah selesai dilaksanakan	
10.	Selasa/16 Desember 2025	Bab 4 Menampilkan data analisis statistik Mean dan median terhadap hasil observasi Pre-test dan Post-test	
11.	Jumat/19 Desember 2025	Bab 5 tidak boleh dua halaman, minimal tiga halaman yang menjelaskan rangkuman keseluruhan	
12.	Senin/12 Januari 2026	Pada Intellectual Property agar menyesuaikan dengan buku panduan. Letter approval dibuat pada bulan Januari dan untuk tanggal dikosongkan terlebih dahulu dan pada table of content untuk dibuat belakangan	
13.	Jumat/15 Januari 2026	Agar dibuat list of figures dan List of tables karena analisis berisi table dan grafik. List of figures menunjukkan foto atau grafik dan sedangkan list of tables menunjukkan adanya tabel	
14.	Selasa/20 Januari 2026	<p>Penambahan halaman minimal 55 halaman isi skripsi ini, sehingga baru 49 halaman kurang 11 halaman untuk menghindari koreksi yang memotong paragraph, Perbaiki referensi.</p> <p>Pada abstraksi halaman abstraksi berbahasa Inggris di dahulukan kemudian yang berbahasa Indonesia dan sebagai catatan judul pada abstraksi tetap menggunakan Bahasa Indonesia.</p> <p>Urutkan Appendix sesuai dengan buku panduan dan apabila ada surat atau keterangan yang tidak ada dalam list appendix maka diletakkan di akhir appendix</p>	

Jakarta,

Januari 2026

Menyetujui;  
Pembimbing

(Dr. Yoga Pratama, M.Pd.)

Mengetahui:

Pembimbing Akademik

Ketua Program Studi S-1

(Dr. Yoga Pratama, M.Pd.)

(Dr. Yoga Pratama, M.Pd.)

## APPENDIX 7 TURNITIN RESULT



UNIVERSITAS DARMA PERSADA  
UPT PERPUSTAKAAN  
Gedung Rektorat Lantai 3,  
Jl. Taman Malaka Selatan, Pondok Kelapa – Jakarta Timur 13450

### SURAT KETERANGAN HASIL PENGECEKAN TURNITIN

UPT Perpustakaan Universitas Darma Persada menerangkan telah selesai melakukan pemeriksaan duplikasi/*similarity* menggunakan perangkat lunak Turnitin terhadap hasil karya sebagai berikut:

Judul : ENHANCING ESL STUDENTS' PRONUNCIATION SKILLS THROUGH THE USE OF THE WELLPRON APPLICATION: A QUASI-EXPERIMENTAL INVESTIGATION AT STATE SENIOR HIGH SCHOOL IN EAST JAKARTA

Penulis : Kusbandi Salatin

NIM : 2022130046

Tgl pemeriksaan : 15 Januari 2026

Dengan hasil Tingkat Kesamaan (*similarity index*) 25%

Demikian Surat Keterangan kami buat, untuk dipergunakan sebagaimana mestinya.

Jakarta, : 15 Januari 2026

Ka UPT Perpustakaan Unsada

Yus Rusmiyati, SS., MM

Batas maksimal similarity 30% untuk Fakultas Sastra dan Ekonomi

Batas maksimal similarity 25% untuk Fakultas Teknik, Kelautan dan Pasca Sarjana