

**THE USE OF STIMULER TO FACILITATE STUDENTS WITH
AI TUTORING SYSTEM FOR ENGLISH SPEAKING SKILL
PRACTICE
THESIS**

Submitted in partial fulfillment of the requirements for the degree of
Sarjana Pendidikan (S.Pd) in Teaching English



By:

Dewi Chintia Cahya Ningrum
NIM: 06040522078

**ENGLISH LANGUAGE EDUCATION DEPARTMENT
FACULTY OF TARBIYAH AND TEACHERS TRAINING
UIN SUNAN AMPEL
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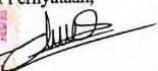
Nama : Dewi Chintia Cahya Ningrum
NIM : 06040522078
Jurusan/Program Studi : Pendidikan Bahasa Inggris (PBI)
Fakultas : Tarbiyah dan Keguruan

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This thesis by Dewi Chintia Cahya Ningrum with the title “*The Use of Stimuler to Facilitate Students with AI Tutoring System for English Speaking Skill Practice*” has been approved by the thesis advisors for further approval by the Boards of Examiners.

Surabaya, 04th June 2024

Advisor I



M. Hanafi, M/Ag, M.A.
NIP.197408042000031002

Advisor II



Dr. Siti Asmahan, M.TESOL
NIP. 197704142006042003

EXAMINER APPROVAL SHEET

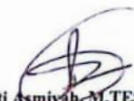
This thesis by Dewi Chintia Cahya Ningrum with the title *“The Use of Stimuler to Facilitate Students with AI Tutoring System for English Speaking Skill Practice”* has been approved by the thesis advisors for further approval by the Board of Examiners.


Surabaya, 17 June 2026
Dean
Prof. Dr. H. Muhammad Thohir, S.Ag, M.Pd
NIP. 197704142006042003

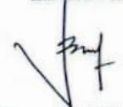
Examiners I,


M. Hanafi, M. Ag, MA
NIP. 197408042000031002

Examiner II


Dr. Siti Asmivah, M.TESOL
NIP. 197704142006042003

Examiner III


Drs. Muhtarom, Med, Grad Dip Tesol
NIP. 196512201992031005

Examiner IV


Dr. Irma Soraya, M. Pd
NIP. 196709301993032004

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Nama : Dewi Chintia Cahya Ningrum
NIM : 06040522078
Fakultas/Jurusan : Tarbiyah dan Keguruan
E-mail address : dewichintia2003@gmail.com

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ABSTRACT

Ningrum, Dewi Chintia Cahya (2026). *The Use of Stimuler to Facilitate Students with AI Tutoring System for English Speaking Skill Practice*. Thesis English Language Education Department, Faculty of Tarbiyah and Teacher Training, UIN Sunan Ampel Surabaya. Supervisor I: M. Hanafi, M.Ag., M.A., Supervisor 2: Dr. Siti Asmiyah, M.TESOL.

Keywords: AI tutoring system, Stimuler, Speaking Skills

The use of AI applications has shown their potential to facilitate students' English speaking skill development through real-time interaction, however, research specifically examining students' lived experiences and learning challenges during AI-based speaking practice remains limited. This qualitative descriptive study explores the learning experiences and challenges faced by students at An-Najiyah high school in Surabaya while using the Stimuler application during one week of intensive use. With the participation of five 11th-grade students selected by a screening questionnaire, data were collected through semi-structured interviews, analyzed thematically using Schmitts' (2018) experiential framework, and validated through investigator triangulation. The findings indicate that Stimuler provides a positive learning experience that enhances students' self-confidence and linguistic abilities. Interestingly, cognitive barriers such as speech pauses and unclear feedback did not hinder the learning process. In fact, they functioned as triggers within the Zone of Proximal Development (ZPD), which encouraged high-level cognitive activities and resilience. This study reveals that the students are able to transform the system's limitations into opportunities for self-evaluation and critical self-directed learning. The findings suggest that Stimuler can potentially be used in classroom teaching to stimulate the development of students' speaking ability. However, teachers should assist the students in coping with the challenges of the platform and equip them with the ability to transform the limitation of the system into higher level cognitive stimulation and learning autonomy.

ABSTRAK

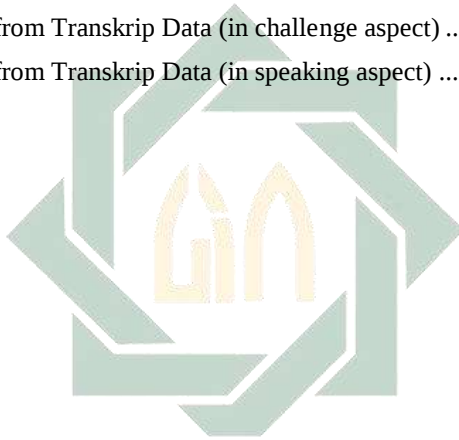
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Kata Kunci: Sistem Bimbingan Belajar berbasis AI, Stimuler, Keterampilan Berbicara.

Penggunaan aplikasi kecerdasan buatan (AI) telah menunjukkan potensinya dalam memfasilitasi pengembangan keterampilan berbicara bahasa Inggris siswa melalui interaksi secara real-time; namun, penelitian yang secara khusus mengkaji pengalaman nyata dan tantangan belajar yang dihadapi siswa selama latihan berbicara berbasis AI masih terbatas. Studi deskriptif kualitatif ini mengeksplorasi pengalaman belajar dan tantangan yang dihadapi oleh siswa SMA An-Najiyah di Surabaya saat menggunakan aplikasi Stimuler selama satu minggu penggunaan intensif. Dengan partisipasi lima siswa kelas 11 yang dipilih melalui kuesioner penyaringan, data dikumpulkan melalui wawancara semi-terstruktur, dianalisis secara tematis menggunakan kerangka kerja pengalaman Schmitts' (2018), dan divalidasi melalui triangulasi peneliti. Temuan menunjukkan bahwa Stimuler memberikan pengalaman belajar yang positif yang meningkatkan kepercayaan diri dan kemampuan linguistik siswa. Menariknya, hambatan kognitif seperti jeda bicara dan umpan balik yang tidak jelas tidak menghambat proses pembelajaran. Sebaliknya, hal-hal tersebut berfungsi sebagai pemicu dalam Zona Pengembangan Proksimal (ZPD), yang mendorong aktivitas kognitif tingkat tinggi dan ketahanan. Studi ini mengungkapkan bahwa siswa mampu mengubah keterbatasan sistem menjadi peluang untuk evaluasi diri dan pembelajaran mandiri yang kritis. Temuan ini menyarankan bahwa Stimuler berpotensi digunakan dalam pengajaran di kelas untuk merangsang pengembangan kemampuan berbicara siswa. Namun, guru harus membantu siswa dalam mengatasi tantangan platform tersebut dan membekali mereka.

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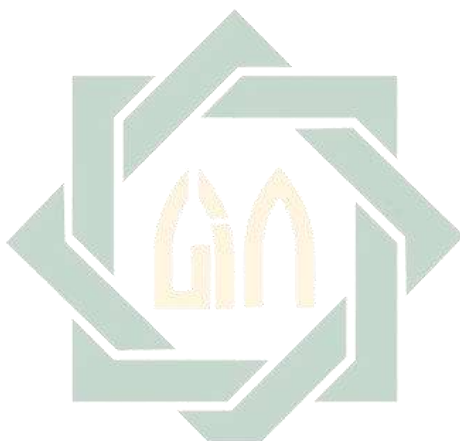
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LIST OF ABBREVIATIONS

AI	: Artificial Intelligence
ASR	: Automatic Speech Recognition
EFL	: English as Foreign System
ITS	: Intelligent Tutoring System
ZPD	: Zone of Proximal Development



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