

APPENDICES

Appendix 1 Research Permission Letter



KEMENTERIAN PENDIDIKAN TINGGI, SAINS,
DAN TEKNOLOGI
UNIVERSITAS PENDIDIKAN GANESHA
LEMBAGA PENELITIAN DAN PENGABDIAN KEPADA MASYARAKAT
Jalan Udayana Singaraja, Bali Kode Pos 81116
Tlp. (0362) 22570 Fax. (0362) 25735
Laman: www.undiksha.ac.id

ASSIGNMENT LETTER

Number : 248/UN48.16/LT/2025

The Head of the Institute for Research and Community Service of Universitas Pendidikan Ganesha hereby assigns the lecturers and students listed below to carry out a series of research activities for data collection under the title "**The Effect of Gender, Academic Anxiety, and Self-Efficacy on AI Application Utilization and Grammar Knowledge in English Grammar Courses**," to be conducted at the English Language Education Study Program of Undiksha, the English Language Education Study Program of STKIP AH, and at MCUT Taiwan, from **May to August 2025**, as follows :

NO	NAME	ID NUMBER	ROLE
1.	Prof. Dr. Ni Made Ratminingsih, M.A.	196609081991022002	Principal Investigator
2.	Made Hery Santosa, S.Pd, M.Pd., Ph.D.	197910232003121001	Research Member
3.	Kadek Sintya Dewi, S.Pd., M.Pd.	198803232015042004	Research Member
4.	I Komang Adiartha Negara	2212021122	Student
5.	Made Aprilia Ayu Adnyani	2212021130	Student

All expenses incurred in the execution of this assignment shall be charged to the Research Grant, and any consequences arising from this official travel shall be the responsibility of the principal investigator.

This letter of assignment is hereby issued to be carried out with full responsibility.

Singaraja, June 5, 2025
Head,



I Nengah Suparta.
ID. 196507111990031003



Balai
Sertifikasi
Elektronik

Catatan :
• UU ITE No. 11 Tahun 2008 Pasal 5 ayat 1 "Informasi Elektronik dan/atau Dokumen Elektronik dan/atau hasil cetaknya merupakan alat bukti hukum yang sah"
• Dokumen ini tertanda ditandatangani secara elektronik menggunakan sertifikat elektronik yang diterbitkan BsRE
• Surat ini dapat dibuktikan keasliannya dengan menggunakan *qr code* yang telah tersedia

Appendix 2 Blue Print of Artificial Intelligence (AI) Utilization

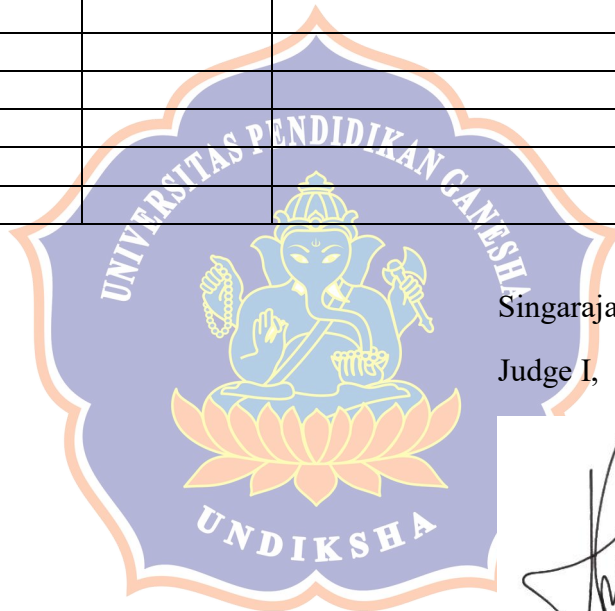
No	Dimensions	Description	Number of Item	Total Item
1	Perceived Usefulness (PU)	Beliefs that using AI based applications enhances English grammar learning performance.	1, 2, 3, 4, 5	5
2	Perceived Ease of Use (PEOU)	Ease of operating AI tools/applications for English grammar learning.	6, 7, 8, 9, 10	5
3	User Readiness (UR) asal	Psychological, technical, and institutional support to use AI tools/applications in English grammar learning.	11,12, 13, 14, 15	5

Appendix 3 Instrument of AI utilization:

1. The use of AI tools or apps helps me understand English grammar concepts.
2. The AI tool or app improves my accuracy in constructing English sentences.
3. I feel that AI tools or apps make learning English grammar easier.
4. AI tools or apps help me complete grammar tasks more quickly and accurately.
5. I feel that my grammar learning results have improved since using AI tools or apps.
6. I find AI apps easy to use for checking English grammar.
7. I have no difficulty when using AI tools or apps in learning grammar.
8. The interface and features of the AI tool or app are easy to understand to help me learn English grammar.
9. I am able to use AI tools or applications without the need for other people's help in learning English grammar.
10. I am able to learn how the AI Grammar tool or app works quickly.
11. I have sufficient internet access and devices to use the AI tool or application.
12. My college provides free connection support that supports the use of AI tools or applications in Grammar learning.
13. I am used to using AI tools or applications for Grammar learning.
14. I am ready to use AI tools or apps regularly in learning English Grammar.
15. I would like to try more AI tools or apps to help me learn English grammar.

Appendix 4 Expert Validation Form of the AI Utilization Instrument 1

No Item	Relevan	Tidak Relevan	Keterangan
1	V		Semua item sudah bagus dan sudah dikembangkan berdasarkan teori terkait.
2	V		
3	V		
4	V		
5	V		
6	V		
7	V		
8	V		
9	V		
10	V		
11	V		
12	V		
13	V		
14	V		
15	V		



Singaraja, 15 Januari 2025

Judge I,

I Putu Yoga Laksana, S.Pd., M.Pd.

NIP. 198809092019031013

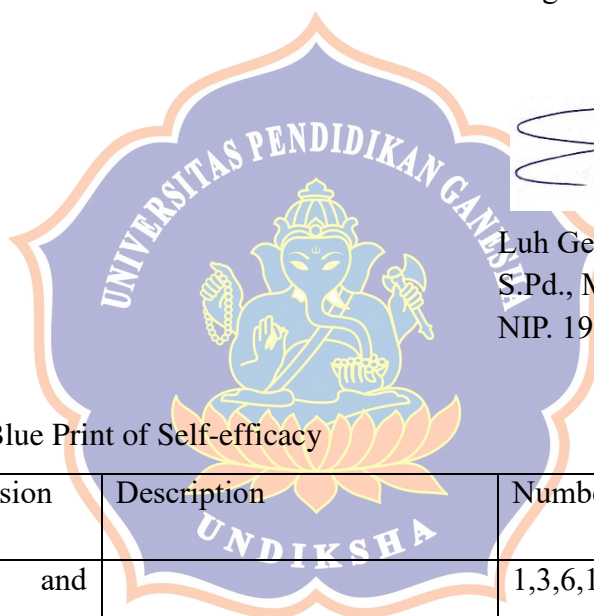
Appendix 5 Expert Validation Form of the AI Utilization Instrument 2

No Item	Relevan	Tidak Relevan	Keterangan
1	V		Butir-butir instrumen telah sesuai dan selaras dengan teori yang dijadikan acuan
2	V		
3	V		
4	V		

5	V		
6	V		
7	V		
8	V		
9	V		
10	V		
11	V		
12	V		
13	V		
14	V		
15	V		

Singaraja, 15 Januari 2025

Judge II,



[Signature]

Luh Gede Eka Wahyuni,
S.Pd., M.Pd.
NIP. 198812012015042003

Appendix 6 Blue Print of Self-efficacy

No	Dimension	Description	Number of Item	Total Item
1	Effort and Persistence	Effort and persistence in learning grammar and using AI	1,3,6,12,16, 21, 22	7
2	Mastery Experience	Experience in mastering grammar and using AI	5,7,8,10, 15,20	6
3	Perceived Difficulty	Perception of grammar difficulty and using AI	4(R),9(R),11, 13, 14, 23(R)	6
4	Social Comparison	Comparison with peers on grammar and using AI	2(R),17(R), 18(R), 19,24, 25	6

Appendix 7 Instrument of Self-efficacy

1. I work hard in my English Grammar class.
2. Most of my classmates work harder than I do on homework assignments.
3. I always get good grades in English Grammar when I put in strong effort.
4. I usually do not get good grades in English Grammar because it is too difficult.
5. I am confident that I have sufficient ability in English Grammar.
6. I motivate myself to improve my English grammar skills in the English Grammar course.
7. I am proficient in using English grammar.
8. I am able to apply English grammar concepts correctly.
9. I am unable to use English words correctly in singular and plural forms.
10. I am able to use verb forms correctly according to the appropriate tenses.
11. I can identify several strategies that utilize AI tools or applications (e.g., ChatGPT, Grammarly, etc.) to improve my English grammar skills.
12. Whenever I attend English Grammar class, I push myself to improve my grammar skills.
13. My lecturer helps me when I experience difficulties in English grammar.
14. I am able to overcome difficulties in using English grammar with the help of AI tools or applications.
15. I usually understand grammar-related homework with the help of AI tools or applications.
16. I am able to achieve the best grades in English Grammar if I put in enough effort.
17. Most of my classmates enjoy learning English grammar because they find it easy.
18. I feel less confident because my classmates understand English grammar material faster than I do.
19. I find learning English grammar using AI tools or applications easier than asking my friends.
20. When the lecturer asks questions about English grammar in class, I usually know the answers.

21. I feel confident using AI tools or applications to help me understand English grammar concepts in the English Grammar course.
22. I feel capable of effectively utilizing AI tools or applications to improve my English grammar skills.
23. I feel confused when learning English grammar using AI because the explanations are difficult to understand.
24. I feel the need to work harder in learning English grammar when I know my friends use AI to learn grammar more easily.
25. I often compare my English grammar ability with my classmates' ability when using AI tools or applications to learn grammar.

Appendix 8 Expert Validation Form of the Self-Efficacy Instrument 1

No Item	Relevan	Tidak Relevan	Keterangan
1	V		Semua pernyataan telah dikembangkan secara sistematis dengan merujuk pada teori-teori yang relevan.
2	V		
3	V		
4	V		
5	V		
6	V		
7	V		
8	V		
9	V		
10	V		
11	V		
12	V		
13	V		
14	V		
15	V		
16	V		
17	V		
18	V		
19	V		
20	V		
21	V		
22	V		
23	V		

24	V		
25	V		

Singaraja, 15 Januari 2025

Judge I,

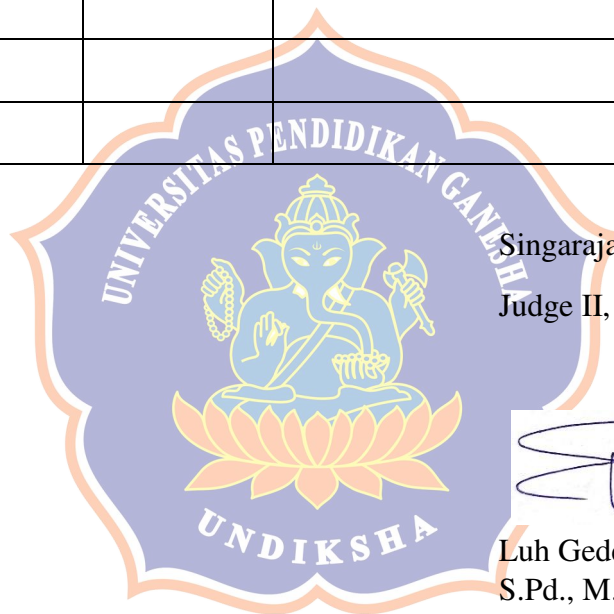


I Putu Yoga Laksana, S.Pd.,
M.Pd.
NIP. 198809092019031013

Appendix 9 Expert Validation Form of the Self-Efficacy Instrument 2

No Item	Relevan	Tidak Relevan	Keterangan
1	V		Item-item tersebut sudah valid secara konseptual karena dikembangkan dari teori yang sesuai.
2	V		
3	V		
4	V		
5	V		
6	V		
7	V		
8	V		
9	V		
10	V		
11	V		
12	V		
13	V		

14	V		
15	V		
16	V		
17	V		
18	V		
19	V		
20	V		
21	V		
22	V		
23	V		
24	V		
25	V		



Singaraja, 15 Januari 2025

Judge II,

Luh Gede Eka Wahyuni,
S.Pd., M.Pd.

NIP. 198812012015042003

Appendix 11 Reliability Result of Self-Efficacy

Reliability Statistics	
Cronbach's	
Alpha	N of Items
0.648	25

Appendix 12 Validity Result of AI Utilization (AI)

Valid	15
Not Valid	0

Based on the result of validity test, all 15 items in AI Utilization are valid.
All items have sig (2-tailed) scores below 0.005.

		Correlations															
		AI01	AI02	AI03	AI04	AI05	AI06	AI07	AI08	AI09	AI10	AI11	AI12	AI13	AI14	AI15	AI Utilization
AI01	Pearson Correlation	1	.576**	.609**	.497**	.518**	.455**	.444**	.375*	.252	.551**	.389*	.249	.441**	.352*	.649**	.708**
	Sig. (2-tailed)		<.001	<.001	.001	<.001	.003	.004	.017	.116	<.001	.013	.121	.004	.026	<.001	<.001
	N	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
AI02	Pearson Correlation	.576**	1	.731**	.766**	.680**	.452**	.395*	.659**	.223	.535**	.445**	.217	.583**	.259	.321*	.741**
	Sig. (2-tailed)	<.001		<.001	<.001	<.001	.003	.012	<.001	.167	<.001	.004	.179	<.001	.107	.044	<.001
	N	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
AI03	Pearson Correlation	.609**	.731**	1	.714**	.538**	.592**	.404**	.552**	.287	.539**	.397*	.267	.450**	.257	.454**	.741**
	Sig. (2-tailed)	<.001	<.001		<.001	<.001	<.001	.010	<.001	.072	<.001	.011	.095	.004	.110	.003	<.001
	N	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
AI04	Pearson Correlation	.497**	.766**	.714**	1	.689**	.521**	.431**	.661**	.326*	.615**	.510**	.088	.534**	.309	.465**	.773**
	Sig. (2-tailed)	.001	<.001	<.001		<.001	<.001	.005	<.001	.040	<.001	<.001	.588	<.001	.052	.003	<.001
	N	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
AI05	Pearson Correlation	.518**	.680**	.538**	.689**	1	.505**	.556**	.717**	.265	.639**	.570**	.083	.499**	.149	.358*	.738**
	Sig. (2-tailed)	<.001	<.001	<.001	<.001		<.001	<.001	<.001	.098	<.001	<.001	.609	.001	.358	.023	<.001
	N	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
AI06	Pearson Correlation	.455**	.452**	.592**	.521**	.505**	1	.642**	.623**	.423**	.592**	.496**	.328*	.449**	.321*	.621**	.776**
	Sig. (2-tailed)	.003	.003	<.001	<.001	<.001		<.001	<.001	.007	<.001	.001	.039	.004	.044	<.001	<.001
	N	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
AI07	Pearson Correlation	.444**	.395*	.404**	.431**	.556**	.642**	1	.625**	.532**	.689**	.433**	.155	.377*	.229	.460**	.730**
	Sig. (2-tailed)	.004	.012	.010	.005	<.001	<.001		<.001	<.001	<.001	.005	.340	.016	.156	.003	<.001
	N	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
AI08	Pearson Correlation	.375*	.659**	.552**	.661**	.717**	.623**	.625**	1	.396*	.746**	.628**	.191	.478**	.286	.486**	.807**
	Sig. (2-tailed)	.017	<.001	<.001	<.001	<.001	<.001	<.001		.012	<.001	<.001	.238	.002	.073	.001	<.001
	N	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
AI09	Pearson Correlation	.252	.223	.287	.326*	.265	.423**	.532**	.396*	1	.581**	.472**	.115	.310	.522**	.327*	.622**
	Sig. (2-tailed)	.116	.167	.072	.040	.098	.007	<.001	.012		<.001	.002	.478	.052	<.001	.040	<.001
	N	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
AI10	Pearson Correlation	.551**	.535**	.539**	.615**	.639**	.592**	.689**	.746**	.581**	1	.588**	.198	.439**	.385*	.615**	.850**
	Sig. (2-tailed)	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001		<.001	.221	.005	.014	<.001	<.001
	N	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
AI11	Pearson Correlation	.389*	.445**	.397*	.510**	.570**	.496**	.433**	.628**	.472**	.588**	1	.095	.434**	.037	.445**	.664**
	Sig. (2-tailed)	.013	.004	.011	<.001	<.001	.001	.005	<.001	.002	<.001		.561	.005	.820	.004	<.001
	N	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
AI12	Pearson Correlation	.249	.217	.267	.088	.083	.328*	.155	.191	.115	.198	.095	1	.188	-.095	.217	.333*
	Sig. (2-tailed)	.121	.179	.095	.588	.609	.039	.340	.238	.478	.221	.561		.246	.560	.179	.036
	N	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
AI13	Pearson Correlation	.441**	.583**	.450**	.534**	.499**	.449**	.377*	.478**	.310	.439**	.434**	.188	1	.299	.395*	.652**
	Sig. (2-tailed)	.004	<.001	.004	<.001	.001	.004	.016	.002	.052	.005	.005	.246		.061	.012	<.001
	N	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
AI14	Pearson Correlation	.352*	.259	.257	.309	.149	.321*	.229	.286	.522**	.385*	.037	-.095	.299	1	.409**	.473**
	Sig. (2-tailed)	.026	.107	.110	.052	.358	.044	.156	.073	<.001	.014	.820	.560	.061		.009	.002
	N	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
AI15	Pearson Correlation	.649**	.321*	.454**	.465**	.358*	.621**	.460**	.486**	.327*	.615**	.445**	.217	.395*	.409**	1	.696**
	Sig. (2-tailed)	<.001	.044	.003	.003	.023	<.001	.003	.001	.040	<.001	.004	.179	.012	.009		<.001
	N	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
AI Utilization	Pearson Correlation	.708**	.741**	.741**	.773**	.738**	.776**	.730**	.807**	.622**	.850**	.664**	.333*	.652**	.473**	.696**	1
	Sig. (2-tailed)	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	.036	<.001	.002	<.001	
	N	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40

** . Correlation is significant at the 0.01 level (2-tailed).

* . Correlation is significant at the 0.05 level (2-tailed).

Appendix 13 Reliability Result of AI Utilization

Reliability Statistics

Cronbach's Alpha	N of Items
.912	15

Appendix 14 Tabulated Self-efficacy Questionnaire Data

	Responden	Jenis kelamin	SE1	SE3	SE4	SE5	SE6	SE10	SE11	SE12	SE13	SE14	SE16	SE20	SE21	SE22	SE23	Total
1																		
2	R1	1	2	2	2	2	3	3	3	3	3	3	2	3	2	3	3	39
3	R3	1	4	4	1	3	3	3	4	3	3	3	3	3	3	3	3	46
4	R7	1	4	4	3	2	4	3	3	4	4	3	4	3	3	3	4	51
5	R11	1	2	4	2	2	3	3	3	3	3	3	4	3	3	3	3	44
6	R18	1	4	3	3	1	4	2	3	3	3	3	3	2	2	3	3	42
7	R20	1	3	3	3	2	2	3	3	3	3	3	3	2	3	3	3	42
8	R21	1	3	3	3	3	4	3	4	4	3	3	4	3	3	4	3	50
9	R22	1	3	3	3	3	3	3	4	3	3	4	4	3	4	4	2	49
10	R23	1	2	3	3	2	3	3	4	2	3	4	2	2	3	3	4	43
11	R25	1	3	3	3	3	3	4	3	2	1	4	4	2	4	3	3	45
12	R26	1	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	44
13	R27	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45
14	R28	1	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	59
15	R29	1	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	44
16	R30	1	4	4	3	4	4	3	4	3	4	4	4	3	4	4	3	55
17	R35	1	3	3	2	2	3	3	3	4	4	3	3	3	3	4	2	45
18	R36	1	2	2	2	2	4	3	4	3	3	4	4	3	4	3	4	47
19	R37	1	4	3	3	3	2	3	2	3	3	4	3	3	3	3	2	44
20	R38	1	4	4	3	3	3	3	3	4	3	3	3	3	3	3	3	48
21	R39	1	3	2	2	2	3	2	3	3	3	3	2	2	3	2	2	37
22	R40	1	4	2	2	1	3	3	4	4	4	4	3	2	3	3	3	45
23	R41	1	3	3	2	3	3	3	3	3	3	3	3	3	3	3	2	43
24	R42	1	3	3	3	2	4	4	4	4	4	3	3	3	3	3	3	49
25	R43	1	4	3	3	3	4	4	4	4	4	3	4	3	3	4	3	53
26	R44	1	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	43
27	R45	1	3	4	4	3	4	3	4	4	4	3	4	4	4	4	4	56
28	R46	1	3	3	2	2	4	3	3	3	3	3	4	2	3	3	3	44
29	R47	1	3	2	2	3	3	2	3	3	3	3	3	2	3	3	2	40
30	R48	1	4	4	3	3	3	3	3	3	3	3	3	3	3	3	2	46
31	R49	1	3	4	3	3	4	4	4	3	3	4	4	3	4	4	4	54
32	R50	1	3	3	2	2	4	3	4	3	4	4	4	3	4	4	3	50
33	R51	1	3	3	3	2	3	3	3	3	3	3	3	2	3	3	2	42

34	R52	1	3	3	2	3	3	3	3	3	3	3	3	3	3	3	2	43
35	R2	2	3	2	2	2	4	3	3	4	3	4	4	3	3	3	4	47
36	R4	2	3	3	1	1	3	2	3	3	3	3	2	3	3	3	3	39
37	R5	2	3	3	2	2	3	2	4	4	4	2	3	3	4	4	3	46
38	R6	2	3	3	2	3	3	3	3	3	3	3	3	3	3	3	2	43
39	R8	2	3	3	3	2	2	3	3	3	3	3	2	3	3	3	3	42
40	R9	2	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	44
41	R10	2	3	3	2	2	3	2	3	3	3	3	2	3	3	3	3	41
42	R12	2	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3	43
43	R13	2	4	2	2	2	3	2	2	3	3	2	2	2	2	2	2	35
44	R14	2	4	3	3	2	4	3	3	3	4	3	3	2	3	3	3	47
45	R15	2	3	1	1	2	3	2	3	3	3	3	2	3	2	3	3	37
46	R16	2	3	3	2	2	3	3	4	4	3	4	3	2	3	3	4	46
47	R17	2	3	3	2	3	4	3	3	3	3	3	3	3	3	3	3	45
48	R19	2	3	2	3	2	3	2	3	3	3	3	3	2	3	3	3	41
49	R24	2	3	2	3	3	3	2	3	3	3	2	3	2	2	3	2	39
50	R31	2	3	2	1	1	3	2	3	3	2	3	2	3	3	3	3	37
51	R32	2	3	3	2	2	4	3	4	4	4	4	4	4	3	3	3	50
52	R33	2	4	3	2	3	4	4	3	4	4	3	3	3	3	3	3	49
53	R34	2	3	3	2	2	3	2	3	3	3	2	4	3	2	2	2	39
54	R55	2	2	2	3	3	4	3	1	4	2	1	3	3	1	3	4	39
55	R56	2	3	4	2	3	3	3	3	3	3	4	3	3	3	3	3	46
56	R57	2	4	3	3	3	3	3	3	3	3	3	3	3	2	3	4	46
57	R58	2	3	3	2	2	3	3	3	3	3	3	3	3	2	3	2	41
58	R59	2	3	2	2	2	3	2	3	3	3	3	2	2	3	3	3	39
59	R60	2	3	2	3	2	3	3	3	3	3	3	3	2	2	3	3	41
60	R61	2	3	3	2	2	3	3	3	3	3	3	3	2	3	3	3	42
61	R62	2	3	2	1	2	3	2	3	3	3	3	1	2	3	2	2	35
62	R63	2	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	44
63	R64	2	3	3	3	4	3	1	4	4	3	4	3	1	4	4	1	45
64	R65	2	4	3	4	3	4	3	3	3	4	3	3	3	2	3	2	47
65	R66	2	3	3	3	3	3	2	2	3	3	2	3	2	2	2	2	38
66	R67	2	4	4	2	3	4	3	3	4	4	4	4	3	4	4	3	53
67	R68	2	3	3	2	2	3	3	3	3	2	3	3	2	3	3	3	41
68	R69	2	4	4	3	3	4	2	3	3	4	4	3	3	3	4	3	50
69	R70	2	3	3	2	2	4	2	3	3	3	3	3	3	3	3	3	43
70	R71	2	4	3	3	3	4	3	3	4	3	3	3	3	3	3	2	47
71	R72	2	3	2	2	3	3	3	2	3	3	3	3	2	2	2	2	38
72	R73	2	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	44
73	R74	2	3	3	3	3	3	3	2	3	3	2	3	3	2	3	3	42
74	R77	2	3	3	3	2	3	3	3	3	3	3	3	3	3	2	2	42
75	R79	2	3	3	2	2	3	2	3	3	4	3	3	2	3	3	3	42
76	R80	2	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	46
77	R82	2	4	3	3	3	3	3	4	3	4	3	3	2	2	3	2	45
78	R83	2	3	3	3	2	3	3	3	3	3	3	3	3	3	3	2	43
79	R84	2	3	3	3	3	3	3	2	3	3	3	3	3	3	2	2	42
80	R85	2	3	3	2	2	4	3	3	3	3	3	3	3	3	3	3	44
81	R86	2	3	3	3	2	3	3	3	3	3	3	3	2	3	3	3	43
82	R87	2	3	3	2	2	3	3	3	3	3	3	3	3	3	3	2	42
83	R88	2	3	3	1	3	3	4	4	4	4	3	3	4	4	2	3	48
84	R90	2	3	2	2	2	3	3	2	3	3	3	3	2	3	3	3	40
85	R91	2	3	3	3	3	4	3	3	3	3	3	3	3	3	3	4	47
86	R93	2	3	3	2	3	4	3	3	3	3	3	4	3	3	3	2	45
87	R94	2	3	3	3	3	4	3	4	3	3	3	4	3	3	3	3	48
88	R95	2	3	3	3	3	3	3	3	3	3	3	3	2	2	3	2	42
89	R96	2	4	3	3	2	4	3	3	4	3	3	3	3	3	3	3	47
90	R97	2	3	3	3	2	3	2	3	3	3	2	3	2	2	2	2	38

91	R98	2	4	4	4	4	4	4	3	4	4	2	4	4	2	3	3	53
92	R99	2	3	4	3	3	3	3	4	3	3	4	3	3	3	3	4	49
93	R100	2	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	44
94	R101	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45
95	R102	2	3	3	3	3	3	2	3	3	3	3	3	3	3	3	2	43
96	R103	2	3	3	2	2	3	3	3	3	3	4	3	3	3	3	2	43
97	R104	2	4	3	3	3	4	3	4	4	4	3	3	3	4	4	4	53
98	R105	2	4	3	3	3	4	2	3	4	4	4	3	2	4	3	3	49
99	R106	2	3	3	3	3	4	3	3	4	3	3	3	3	3	3	2	46
100	R107	2	3	3	2	2	3	2	3	3	3	3	2	2	3	3	3	40
101	R108	2	3	3	3	3	4	4	3	4	3	3	3	3	3	3	3	48
102	R109	2	4	3	2	3	4	3	4	4	3	4	3	3	3	4	3	50
103	R110	2	4	3	3	2	4	3	2	3	3	3	4	2	3	3	1	43
104	R111	2	3	3	2	3	4	3	4	4	3	3	4	2	3	4	2	47
105	R112	2	4	3	3	3	4	2	3	3	3	3	4	3	3	3	3	47
106	R113	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45
107	R114	2	4	2	3	3	4	3	3	3	3	3	4	3	3	3	3	47
108	R115	2	3	4	2	3	3	3	3	3	3	3	3	3	3	2	2	43
109	R116	2	4	4	2	3	4	3	3	3	4	3	3	3	3	3	3	48
110	R117	2	3	2	2	3	3	3	2	3	3	3	2	3	3	3	3	41
111	R118	2	3	3	2	2	3	3	3	3	3	2	3	3	3	3	4	43
112	R119	2	3	3	3	3	3	3	3	3	3	3	2	3	2	3	2	42
113	R120	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45
114	R121	2	3	4	3	2	3	3	4	3	3	3	3	3	3	3	3	46
115	R122	2	3	3	2	2	3	2	3	3	3	3	3	3	3	3	2	41
116	R123	2	3	3	3	3	3	3	4	4	3	3	3	3	4	4	3	49
117	R124	2	3	3	3	3	2	3	3	3	3	3	3	2	3	3	3	43
118	R125	2	3	3	3	2	4	3	3	4	4	3	3	3	3	3	3	47
119	R126	2	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	44
120	R127	2	3	3	2	2	3	3	3	3	3	3	3	2	2	3	2	40
121	R128	2	3	3	2	2	3	2	3	3	4	3	3	3	3	3	3	44
122	R129	2	4	4	2	2	4	4	2	4	4	3	2	3	3	3	2	46
123	R130	2	3	3	2	3	3	3	3	3	3	3	3	3	3	3	2	43
124	R131	2	4	3	2	2	3	2	4	4	4	3	3	3	3	3	2	45

Appendix 15 Tabulated S AI Utilization Questionnaire Data

	AI1	AI2	AI3	AI4	AI5	AI6	AI7	AI8	AI9	AI10	AI11	AI12	AI13	AI14	AI15	Total
1																
2	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	46
3	4	4	4	4	3	3	2	3	2	3	2	4	3	3	3	47
4	4	3	3	3	3	4	4	3	3	3	3	4	3	3	4	50
5	3	3	3	3	2	4	3	4	3	3	3	3	3	3	3	46
6	3	3	2	2	2	3	2	2	2	2	2	4	3	3	3	38
7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45
8	4	4	4	4	4	4	4	4	4	4	4	3	4	3	4	58
9	3	3	3	3	3	4	3	4	3	3	4	4	3	3	4	50
10	4	4	4	4	4	4	4	4	4	4	3	3	4	4	4	58
11	4	4	4	4	3	4	4	4	4	3	4	4	4	4	4	58
12	3	3	3	2	2	2	3	3	2	3	3	3	3	2	3	40
13	4	3	3	3	3	3	3	2	3	3	3	3	3	2	3	44
14	4	4	4	4	4	4	4	4	1	4	4	4	4	1	4	54
15	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	44
16	4	4	4	4	4	4	4	4	4	4	3	4	3	4	4	58

1	AI1	AI2	AI3	AI4	AI5	AI6	AI7	AI8	AI9	AI10	AI11	AI12	AI13	AI14	AI15	Total
17	4	4	4	3	3	4	4	3	4	4	4	4	4	4	3	56
18	4	3	3	3	3	3	4	4	3	3	4	4	3	3	3	50
19	3	4	4	3	3	4	4	4	2	3	3	3	3	3	3	49
20	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	44
21	3	3	2	3	2	3	2	2	2	2	3	3	3	3	3	39
22	4	4	4	4	4	4	2	3	4	4	4	3	3	3	3	53
23	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45
24	3	3	3	3	3	3	2	3	3	3	4	2	3	3	3	44
25	4	3	3	3	3	3	4	4	4	4	4	3	3	3	4	52
26	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	58
27	4	4	4	4	4	4	4	4	4	4	4	1	4	4	4	57
28	3	3	3	2	3	3	3	3	2	2	2	3	3	3	3	41
29	3	3	4	3	2	3	3	3	2	2	2	3	3	3	3	42
30	1	3	3	3	2	3	3	3	3	2	3	3	3	2	2	39
31	4	4	4	4	3	4	4	4	4	4	4	3	3	4	4	57
32	4	4	4	4	3	4	3	4	4	4	3	4	4	4	4	57
33	3	3	3	3	2	2	2	3	2	3	2	3	3	2	3	39
34	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	44
35	4	4	3	3	3	3	3	3	1	3	3	3	3	3	3	45
36	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	44
37	3	3	3	3	3	3	2	3	2	3	3	3	3	3	3	43
38	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45
39	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45
40	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	44
41	3	3	3	3	3	3	3	3	2	2	2	3	3	3	3	42
42	3	2	3	2	2	2	2	3	2	3	3	1	2	2	3	35
43	3	2	3	3	2	3	2	2	2	2	3	3	2	2	3	37
44	3	3	3	3	3	3	3	3	4	3	3	3	3	3	4	47
45	4	4	4	4	2	4	3	3	3	2	3	3	3	3	3	48
46	4	4	4	4	4	4	4	4	2	3	4	3	3	3	3	53
47	4	3	3	3	3	2	3	3	3	3	3	3	3	3	3	45
48	4	3	3	2	3	3	3	3	3	3	3	3	3	3	3	45
49	2	2	3	3	3	3	3	3	3	3	3	2	3	2	3	41
50	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45
51	4	4	4	4	3	3	2	3	2	2	3	3	4	3	3	47
52	3	3	3	2	3	3	2	3	3	3	4	3	3	3	3	44
53	2	2	2	2	2	2	2	3	2	2	2	3	2	3	3	34
54	1	3	3	2	1	4	3	3	4	4	4	4	3	2	4	45
55	4	4	4	4	4	4	3	3	2	3	4	3	3	3	3	51
56	3	3	3	3	4	3	4	3	1	3	3	3	3	3	3	45
57	3	3	3	2	3	3	2	3	2	2	2	3	3	3	3	40
58	3	3	3	2	3	3	2	3	2	3	3	3	3	1	3	40
59	3	2	2	3	3	2	2	2	2	2	3	3	3	2	3	37
60	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45
61	3	3	3	3	3	3	2	2	2	2	3	3	3	3	3	41
62	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45
63	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	60
64	3	3	3	3	2	3	3	3	3	3	3	4	3	2	3	44
65	3	2	2	3	2	2	3	2	2	2	2	2	2	2	3	34
66	4	4	4	3	3	4	3	4	2	3	3	4	4	4	4	53
67	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45
68	4	3	3	3	2	3	3	2	4	3	3	3	4	4	4	48
69	3	3	3	3	3	3	2	3	2	3	3	3	3	3	3	43
70	3	3	3	3	3	3	2	3	2	3	3	3	3	3	3	43
71	2	2	2	2	2	3	3	2	2	2	3	3	2	2	3	35

1	AI1	AI2	AI3	AI4	AI5	AI6	AI7	AI8	AI9	AI10	AI11	AI12	AI13	AI14	AI15	Total
72	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	44
73	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45
74	2	3	3	3	2	3	2	3	2	3	3	3	3	3	3	41
75	3	3	4	3	3	3	3	3	3	3	3	2	3	3	4	46
76	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	47
77	3	2	3	3	3	2	2	3	3	3	3	2	2	2	4	40
78	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45
79	3	3	3	3	3	3	2	3	2	3	3	3	3	3	3	43
80	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	44
81	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	44
82	3	3	3	3	2	3	3	3	3	3	3	2	3	3	4	44
83	3	3	3	2	3	3	3	3	3	3	3	4	4	3	3	46
84	3	2	2	3	2	3	3	3	2	2	3	2	2	2	3	37
85	3	3	3	3	3	4	4	4	2	3	3	3	3	3	3	47
86	3	3	3	3	3	3	2	3	2	3	3	3	3	3	3	43
87	3	3	4	3	3	4	4	3	4	4	3	4	3	3	3	51
88	3	2	3	2	2	3	2	2	2	2	2	2	3	2	3	35
89	3	3	3	2	3	3	2	3	2	2	3	3	3	3	3	41
90	2	3	3	3	2	2	2	2	2	2	2	3	2	2	3	34
91	3	3	3	3	3	3	3	3	3	3	2	1	3	2	4	42
92	4	3	4	3	3	4	3	3	4	3	4	4	3	3	4	52
93	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45
94	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45
95	4	3	3	3	3	3	2	2	2	2	1	2	3	2	4	39
96	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	44
97	4	3	4	3	3	3	3	3	2	3	3	3	3	3	4	47
98	4	4	4	3	3	3	2	3	3	3	4	4	3	2	3	48
99	3	3	3	2	3	3	2	3	2	3	3	3	3	2	3	41
100	3	3	3	3	3	3	2	3	2	2	3	3	3	3	3	42
101	4	3	3	3	3	3	3	4	3	4	4	3	3	2	4	49
102	3	3	3	2	3	4	3	3	3	3	3	3	3	3	3	45
103	3	3	3	3	2	2	1	2	1	2	3	3	2	2	3	35
104	4	3	3	3	3	3	3	4	2	3	4	3	3	3	3	47
105	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45
106	4	4	3	3	3	3	3	3	3	3	3	1	3	3	3	45
107	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	44
108	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	49
109	3	3	3	3	3	3	2	3	1	2	3	2	3	3	3	40
110	4	3	4	4	4	3	3	3	3	3	3	3	3	3	4	50
111	4	4	3	4	3	4	3	3	4	3	3	4	3	3	3	51
112	3	3	3	2	3	3	3	2	2	2	3	3	3	3	3	41
113	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45
114	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	44
115	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	44
116	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45
117	3	3	3	3	2	3	3	3	2	3	3	3	3	3	3	43
118	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	46
119	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	44
120	3	2	3	2	2	3	3	3	3	3	3	3	3	3	3	42
121	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45
122	2	2	3	2	2	3	2	3	3	2	3	3	2	2	3	37
123	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45
124	4	3	4	3	3	4	2	3	2	3	3	3	3	3	3	46

Appendix 16 Result of Statistical Analysis Output

A. Normality Test**One-Sample Kolmogorov-Smirnov Test**

			Unstandardized
			Residual
N			123
Normal Parameters ^{a,b}	Mean		.0000000
	Std. Deviation		4.86754519
Most Extreme Differences	Absolute		.129
	Positive		.129
	Negative		-.099
Test Statistic			.129
Asymp. Sig. (2-tailed) ^c			.000
Monte Carlo Sig. (2-tailed) ^d	Sig.		.000
	99% Confidence Interval	Lower Bound	.000
		Upper Bound	.000

a. Test distribution is Normal.

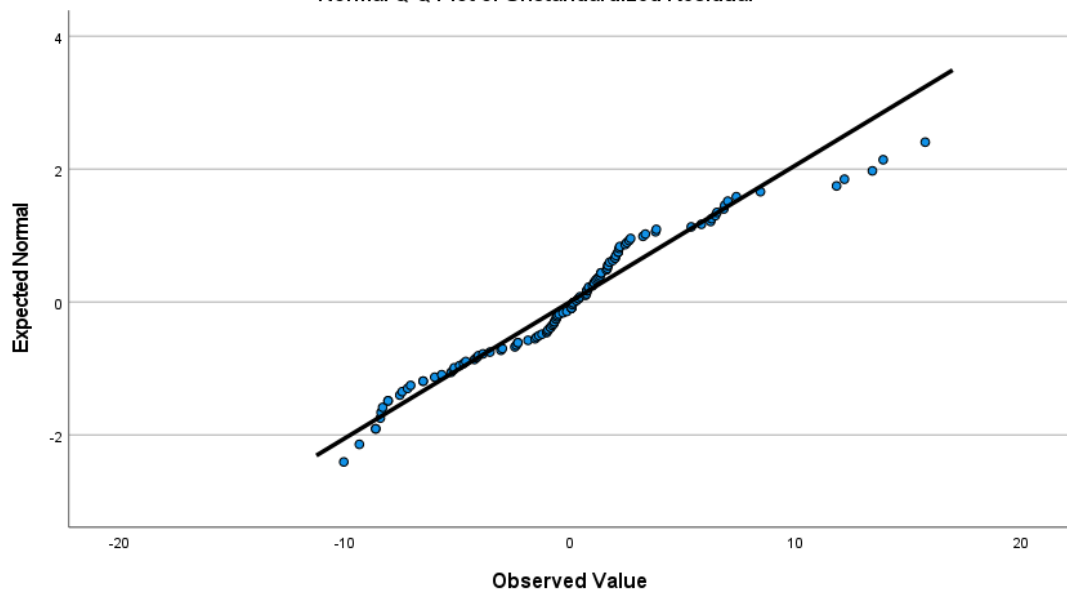
b. Calculated from data.

c. Lilliefors Significance Correction.

d. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 2000000.



Normal Q-Q Plot of Unstandardized Residual



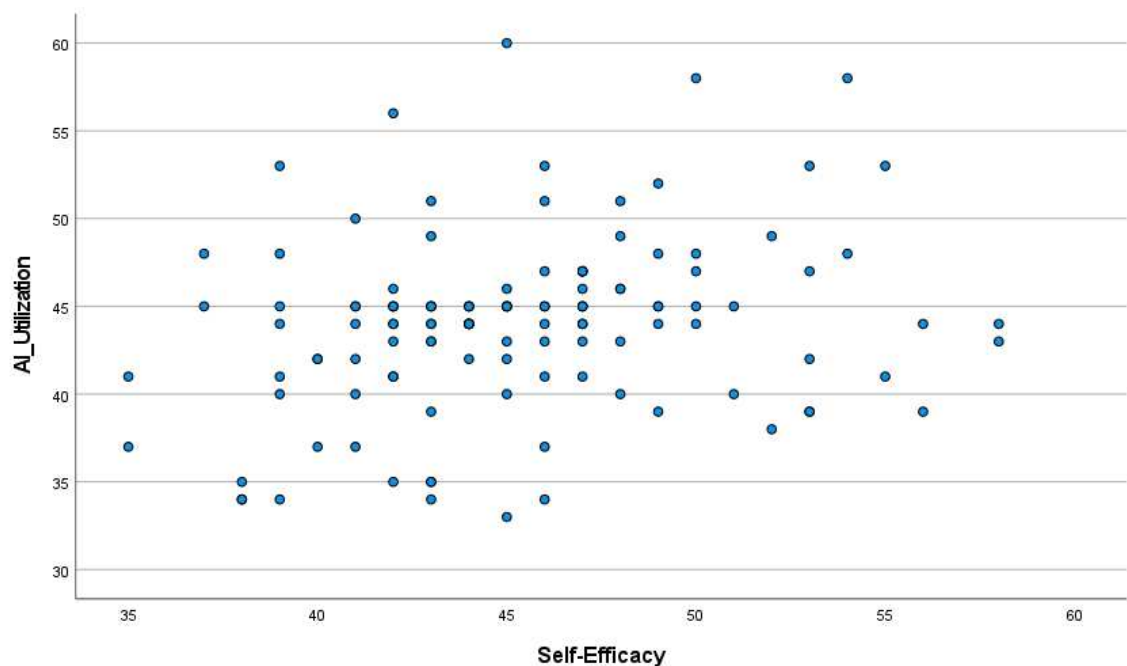
B. Linearity Test

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	213.422	2	106.711	4.430	.014 ^b
	Residual	2890.546	120	24.088		
	Total	3103.967	122			

a. Dependent Variable: AI_Utilization

b. Predictors: (Constant), Gender, Self_Efficacy



C. Multicollinearity

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients		Sig.	Collinearity Statistics	
	B	Std. Error	Beta	t		Tolerance	VIF
1 (Constant)	27.870	5.975		4.664	.000		
Gender (X1)	1.206	1.136	.106	1.061	.291	.773	1.294
Self Efficacy (X2)	.310	.105	.296	2.951	.004	.773	1.294

a. Dependent Variable: AI Utilization (Y)

D. Heteroscedasticity

Coefficients ^a							
Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
	B	Std. Error	Beta			Tolerance	VIF
(Constant)	12.137	3.943		3.078	.003		
Gender (X1)	-2.608	.750	-.344	-3.478	.001	.773	1.294
Self Efficacy (X2)	-.091	.069	-.130	-1.312	.192	.773	1.294

a. Dependent Variable: Abs_RES



RIWAYAT HIDUP



Made Aprilia Ayu Adnyani lahir di Negara pada tanggal 04 April 2004 dan saat ini bertempat tinggal di Desa Pendem, Jembrana, Bali. Penulis menempuh pendidikan dasar di SD Negeri 3 Pendem dan lulus pada tahun 2016. Selanjutnya, penulis melanjutkan pendidikan di SMP Negeri 1 Negara dan lulus pada tahun 2019. Kemudian, penulis menempuh pendidikan menengah atas di

SMA Negeri 1 Negara dengan jurusan IPS dan lulus pada tahun 2022.

Pada tahun yang sama, penulis melanjutkan pendidikan ke jenjang perguruan tinggi di Universitas Pendidikan Ganesha dengan mengambil Program Studi S1 Pendidikan Bahasa Inggris. Dalam menyelesaikan studi untuk memperoleh gelar Sarjana Pendidikan, penulis menyusun skripsi yang berjudul “The Relationship Between Gender, Self-Efficacy, and Students’ Use of AI-Based Applications in English Grammar Course”.

