International Journal of Educational Research and Technology

IJERT: Volume 16 [3] September 2025: 15-27 P-ISSN 0976-4089; E-ISSN 2277-1557 © All Rights Reserved Society of Education, India Website: www.soeagra.com/ijert.html

Website: www.soeagra.com/ijert.html **DOI**: 10.15515/ijert.0976 4089.16.3.1527



An Assessment of Student-Researcher Satisfaction with the Use of Artificial Intelligence in Thesis Writing

Jena Mae M. Fatagani-Valerio, Jay Renee G. Valerio, Jonalyn P. Balancio¹, Jonald L. Pimentel*²
University of Mindanao, Philippines

 $\label{lem:lemail:penamaefatagani@sksu.edu.ph,jayreneev@gmail.com,jonalynbalancio@sksu.edu.ph,jonaldpimentel@usm.edu.ph$

ABSTRACT

The rapid advancement of artificial intelligence (AI) and its increasing integration into academic workflows necessitate a deeper understanding of its impact on student learning and experience. This research explores the use of AI tools in undergraduate thesis writing, focusing on student satisfaction and the factors influencing student perceptions. By examining the experiences of 121 students (83 BSIT, 38 BTVTEd) at Sultan Kudarat State University, this research contributes to the growing body of knowledge on AI's role in higher education. Overall satisfaction with AI tools was generally high. However, a more nuanced analysis revealed no significant differences between BSIT and BTVTEd students across various satisfaction measures (overall satisfaction, ease of use, enjoyable experience), as indicated by Mann-Whitney U tests. Lower ratings for reliability, interface, and validity/plagiarism, however, suggest areas for tool improvement, despite high ratings for usability, functionality, features, and performance. A linear regression analysis, exploring the correlation between satisfaction and thesis outcomes, yielded a low R-squared (0.0512), indicating limited explanatory power. Surprisingly, a significant negative correlation emerged between thesis organization and overall satisfaction, warranting further investigation. Other thesis outcome measures showed no significant relationship with satisfaction. These findings highlight the need for further research to identify additional factors influencing satisfaction and to explore the unexpected negative correlation, potentially through qualitative methods. This research contributes valuable insights into student experiences with AI in thesis writing, informing future tool development and pedagogical approaches.

 $\textit{Keywords: AI in education, student satisfaction, the sis writing, AI tool usability, and undergraduate \textit{research.} \\$

Received 12.05.2025 Revised 28.06.2025 Accepted 13.09.2025

CITATION OF THIS ARTICLE

Jena Mae M. Fatagani-V, Jay Renee G. V, Jonalyn P. B, Jonald L. P. An Assessment of Student-Researcher Satisfaction with the Use of Artificial Intelligence in Thesis Writing. Inter. J. Edu. Res. Technol. 16[3] September 2025; 15 - 27

INTRODUCTION

Artificial Intelligence (AI) is a digital tool capable of performing tasks resembling human capabilities (Sheikh et al., 2023). Its rapid advancement, particularly within educational research, has sparked considerable interest and debate among researchers, educators, policymakers, and stakeholders regarding its integration into educational settings. The potential impact of AI on student learning outcomes, especially in academic writing—a globally recognized challenge in higher education—has garnered significant attention. While AI-powered tools offer potential solutions to alleviate academic writing difficulties, research on their use in postgraduate and undergraduate settings remains limited, leaving a gap in understanding student perceptions (Kurniati & Fithriani, 2022; Kumar & Raman, 2022). For example, while studies like Kurniati & Fithriani (2022) show positive student responses to AI writing tools like Quillbot, a broader understanding of student experiences, particularly in the context of thesis writing, is needed. Furthermore, the responsible use of AI in academia is increasingly emphasized, as evidenced by recent guidelines released by the University of the Philippines (CNN, 2023), highlighting the need for further research into student perceptions and effective implementation strategies.

This study addresses this gap by assessing student satisfaction with AI tools in thesis writing. The integration of AI into various academic disciplines is rapidly transforming how research is conducted and disseminated. The field of thesis writing, traditionally a demanding and time-consuming process, is no exception. AI-powered tools, offering capabilities ranging from grammar and style checking to literature review assistance and data analysis, are increasingly accessible to student-researchers. However, the impact of these tools on the overall experience and satisfaction of students remains a relatively unexplored area. This study aims to address this gap by assessing the level of satisfaction experienced by

student-researchers specifically among the fourth-year BSIT and third year BTVTEd students of Sultan Kudarat State University who have completed courses in TR1 (Technology Research 1) and TR2 (Technology Research 2), and ProfTVEd1 and 2 (Technology Research 1 and 2, encompassing undergraduate thesis/research paper/research projects). This study will utilize a Likert scale, specifically a seven-point scale, to measure student perceptions, leveraging its established effectiveness in educational research (Kusmaryono et al., 2022).

This assessment is particularly pertinent given the potential benefits and challenges associated with AI adoption in academic settings. While AI tools can potentially enhance efficiency, improve writing quality, and facilitate data analysis, concerns exist regarding over-reliance, ethical implications, and the potential for bias in AI-generated content. Understanding student-researchers' perspectives on these aspects is crucial for optimizing the integration of AI into the academic workflow and ensuring a positive and productive learning experience for this specific cohort of students. A comprehensive understanding of student satisfaction will inform the development of better support systems and training programs, ultimately maximizing the benefits of AI while mitigating potential drawbacks within the context of their thesis writing.

The current research landscape lacks a comprehensive understanding of student-researchers' experiences with AI in thesis writing, particularly within the specific context of the BSIT and BTVTEd programs at Sultan Kudarat State University. Existing studies may focus on specific AI tools or narrow aspects of the writing process, leaving a need for a broader, more holistic assessment targeted at this specific population. This study seeks to fill this gap by employing a mixed-methods approach, gathering both quantitative and qualitative data to provide a rich and nuanced understanding of student satisfaction among these students who have undergone formal thesis writing training through TR1, TR2, ProfTVEd1 and ProfTVEd2.

Ultimately, the findings of this study will contribute valuable insights for educators, researchers, and developers of AI tools, specifically within the context of technology-focused undergraduate programs. By understanding the factors influencing student satisfaction among these BSIT and BTVTEd students at Sultan Kudarat State University, we can improve the design and implementation of AI-powered tools tailored to the specific needs and challenges of thesis writing within their curriculum. This research will contribute to a more informed and effective integration of AI in academic settings, fostering a positive and productive learning environment for future generations of student-researchers in these programs.

RESEARCH OUESTIONS

Generally, this study aimed to assess the overall level of satisfaction among student-researchers using artificial intelligence in their thesis writing.

Specifically, it aimed to answer the following questions:

- 1. What was the overall level of satisfaction among fourth-year BSIT and third year BTVTEd students at Sultan Kudarat State University regarding their use of AI tools in their thesis writing in terms of:
- 1.1 overall satisfaction,
- 1.2 ease of use.
- 1.3 Enjoyable experience?
- 2. What factors significantly influenced the satisfaction levels of fourth-year BSIT and third year BTVTEd students in terms of:
- 2.1. usability,
- 2.2. interface,
- 2.3. functionality,
- 2.4. features,
- 2.5. reliability,
- 2.6. performance
- 2.7. validity and plagiarism?
- 3. Is there a significant correlation between the satisfaction levels of fourth-year BSIT and third year BTVTEd students at Sultan Kudarat State University and the quality/efficiency of their thesis projects when using AI tools in their thesis writing in terms of
- 3.1. Over all thesis quality,
- 3.2. Thesis clarity and organization,
- 3.3. Time saved,
- 3.4. Efficiency of research process,
- 3.5. Panelists/Supervisor's Assessment?

Conceptual Framework

This study examines the factors influencing student-researcher satisfaction with AI tools used in thesis writing. The framework posits that student satisfaction (the dependent variable) is influenced by a set of independent variables categorized as follows:

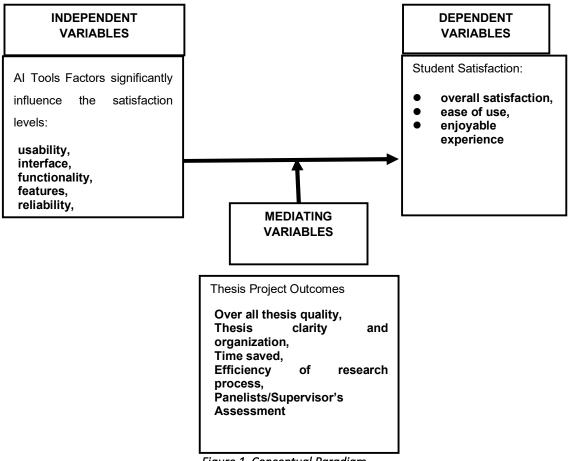


Figure 1. Conceptual Paradiam

Scope and Delimitation

This study assessed the satisfaction levels of 121 fourth-year BSIT and third-year BTVTEd students at Sultan Kudarat State University (SKSU) regarding their use of AI tools in their thesis writing projects (TR1, TR2, ProfTVEd1, and ProfTVEd2) during the academic year 2024-2025. The study employed a questionnaire adapted from Domingo et al. (2023) and Vagias, Wade M. (2006), focusing specifically on tool-related factors: usability, interface, functionality, features, reliability, performance, validity, and reliability. The study was delimited to SKSU students enrolled in the specified programs who had completed the mentioned thesis-related courses within the academic year 2024-2025.

Significance of the Study

This study holds significant implications for several stakeholders:

Students: The findings will provide valuable insights into students' experiences with AI tools, helping them make informed decisions about using these tools effectively and efficiently in their thesis writing.

Educators: The results will inform the development of more effective training programs and support systems for students using AI tools in academic research, focusing specifically on tool-related aspects.

Researchers: The study will contribute to the growing body of knowledge on the impact of AI on student learning and academic writing, offering a specific focus on the undergraduate thesis writing context and the use of the Domingo et al. (2024) questionnaire.

AI Tool Developers: The findings will provide valuable feedback for developers to improve the design, functionality, and usability of AI tools tailored to the needs of student-researchers, particularly concerning the tool-related factors identified in this study.

Sultan Kudarat State University: The study will provide valuable data for SKSU to inform its policies and support systems related to the integration of AI tools into its curriculum and research activities.

Operational Definition of Terms

To add comprehension of the study, the following terms are operationally defined.

Artificial Intelligence (AI) Tools: refer to software applications specifically used by students in their thesis writing process. These tools are defined by their capability to automate or assist with tasks such as grammar and style checking, plagiarism detection, literature review, and data analysis.

Features: The specific capabilities and functions provided by the AI tools, such as grammar checking, plagiarism detection, literature review assistance, and data analysis.

Functionality: The range and effectiveness of the features and capabilities offered by the AI tools in assisting with thesis writing tasks.

Interface: The visual layout and design of the AI tools, including the user-friendliness and intuitiveness of the user interface.

Performance: The speed and efficiency with which the AI tools process information and complete tasks. **Reliability:** The consistency and dependability of the AI tools in performing their intended functions without errors or glitches.

Satisfaction: the degree to which students report positive feelings and experiences related to their use of AI tools in their thesis writing. It is measured using a seven-point Likert scale ranging from "strongly disagree" to "strongly agree" on a series of statements assessing various aspects of their AI tool usage experience.

Student-Researchers: refers to third- and fourth-year Bachelor of Science in Information Technology (BSIT) and Bachelor of Technology and Vocational Education (BTVTEd) students at Sultan Kudarat State University who have completed TR1 (Technology Research 1), TR2 (Technology Research 2), ProfTVEd1, and ProfTVEd2 courses and are actively engaged in writing their undergraduate theses during the A.Y. 2024-2025.

Thesis Writing: refers to the entire process of researching, writing, and revising an undergraduate thesis, encompassing all stages from topic selection and literature review to drafting, editing, and final submission.

Usability: The ease with which students can learn to operate and use the AI tools effectively and efficiently to accomplish their thesis writing tasks.

REVIEW OF RELATED LITERATURE AND STUDIES

This chapter of the paper presents the review or related literature, the related studies and synthesis of the study.

Artificial Intelligence (AI) has emerged as a transformative digital tool capable of performing tasks traditionally executed by humans, such as problem-solving, decision-making, and language processing (Sheikh et al., 2023). Its rapid development has significantly impacted various sectors, notably education, where AI integration is reshaping teaching, learning, and research practices. The growing utilization of AI-powered tools in academic settings, particularly in thesis writing, warrants thorough examination to understand their potential benefits and challenges.

AI in Education and Academic Research

The incorporation of AI in educational research has garnered considerable interest due to its capacity to enhance efficiency and accuracy in academic tasks. AI tools such as grammar checkers, literature review assistants, and data analysis applications are increasingly accessible to students and researchers (Kurniati & Fithriani, 2022). These tools facilitate various stages of research, from data collection to manuscript preparation, potentially reducing the time and effort required for thesis development.

Studies have demonstrated positive student perceptions toward AI-powered writing tools. For instance, Kurniati and Fithriani (2022) reported favorable responses to Quillbot, an AI paraphrasing and grammar checking tool, indicating improvements in writing clarity and coherence. Similarly, Kumar and Raman (2022) highlighted that AI tools could support students in overcoming language barriers and enhancing their writing quality. However, these studies primarily focus on general writing support, with limited exploration of their role in complex research tasks like thesis writing.

Student Perceptions and Experiences with AI Tools

While the potential of AI tools is evident, understanding student perceptions remains crucial. Student attitudes toward AI influence their acceptance, effective use, and reliance on such technologies. Kurniati and Fithriani (2022) found that students generally perceived AI tools as beneficial, citing ease of use and time-saving features. Nevertheless, concerns about over-reliance, ethical considerations, and potential biases in AI-generated content persist (CNN, 2023).

Research specifically targeting postgraduate and undergraduate thesis writing is sparse. The limited scope of existing studies leaves a gap in understanding how students experience AI tools during the demanding process of thesis development. For example, the nuanced challenges faced by students in integrating AI into research workflows, and their satisfaction levels with these tools, are yet to be comprehensively explored.

Responsible Use and Ethical Implications

The responsible use of AI in academia is increasingly emphasized through guidelines and policy statements. The University of the Philippines (CNN, 2023) released directives that underscore ethical considerations, such as avoiding plagiarism and ensuring transparency in AI-assisted work. These guidelines advocate for balanced integration of AI, highlighting the importance of training students to use these tools ethically and effectively.

Concerns about bias, accuracy, and over-dependence on AI tools also necessitate ongoing research. Over-reliance on AI may hinder critical thinking and originality, essential components of scholarly research. Thus, understanding student perceptions regarding these issues is vital for developing appropriate support systems and ethical frameworks.

Gaps in Literature and the Need for Context-Specific Research

Despite the proliferation of studies on AI in education, specific research focusing on thesis writing within particular academic programs remains limited. Most existing literature concentrates on general writing skills or language learning, with minimal emphasis on research-intensive tasks like thesis development. Moreover, studies often overlook the unique needs of students in technology-focused undergraduate programs such as BSIT and BTVTEd.

This gap underscores the importance of context-specific investigations, like the current study focusing on students at Sultan Kudarat State University. By assessing student satisfaction with AI tools in thesis writing, this research aims to provide nuanced insights that can inform curriculum design, tool development, and institutional policies.

Methodological Approaches in Existing Research

Prior studies have employed various methods, including surveys, interviews, and mixed-methods designs, to capture student perceptions of AI tools (Kusmaryono et al., 2022). The use of Likert-scale questionnaires, such as the seven-point scale, is prevalent due to its effectiveness in measuring attitudes and satisfaction levels (Kusmaryono et al., 2022). Combining quantitative data with qualitative insights enriches understanding of user experiences, facilitating comprehensive evaluations of AI integration.

Significance of Assessing Satisfaction and Factors Influencing It

Student satisfaction with AI tools is a critical metric, influencing continued usage, skill development, and overall research quality. Factors such as usability, interface design, functionality, features, reliability, and performance significantly affect satisfaction levels (Kusmaryono et al., 2022). Understanding these factors enables educators and developers to optimize AI tools, tailor training programs, and foster positive attitudes toward technological adoption.

Furthermore, establishing correlations between satisfaction and thesis project quality can inform best practices, ensuring AI tools are effectively supporting research outcomes. Such insights are especially pertinent in technology-related programs where students are expected to develop competencies in research and innovation.

Research Design

The study employed a quantitative research design using a descriptive-correlational approach to determine the level of satisfaction of student-researchers using AI tools in their thesis writing and to identify the factors that significantly influenced their satisfaction. The study also explored the correlation between student satisfaction and the quality/efficiency of their thesis projects.

Research Methods

The study utilized a survey method to gather quantitative data. The adopted research instrument was a questionnaire adapted from Domingo et al. (2023) and Vagias, Wade M. (2006), and validated for the specific context of this study. The questionnaire utilized a seven-point Likert scale to measure student satisfaction and related factors.

Locale of the Study

This study was conducted at the College of Industrial Technology, Sultan Kudarat State University, Isulan, Sultan Kudarat, in S.Y. 2024-2025.

Respondents of the Study

The respondents were 121 student-researchers from the third and fourth years of the BSIT and BTVTEd programs at SKSU, 83 from BSIT and 38 from BTVTEd.

Research Instrument

The primary research instrument was a validated questionnaire adapted from Domingo et al. (2023) and Vagias, Wade M. (2006), focusing specifically on tool-related factors: usability, interface, functionality, features, reliability, and performance.

Data Gathering Procedure

Ethical clearance was secured from SKSU's Institutional Review Board (IRB) before commencing data collection. Questionnaires were then distributed to the student-researchers, and completed

questionnaires were collected from the participants. Finally, the collected data were cleaned and organized in preparation for analysis.

RESULTS AND DISCUSSIONS

The increasing accessibility and sophistication of Artificial Intelligence (AI) tools have significantly impacted various aspects of academic research, including thesis writing. These tools offer a range of functionalities, from grammar and style checking to advanced capabilities like literature review assistance, data analysis, and even automated writing suggestions. While offering potential benefits in terms of efficiency and quality, the impact of AI tools on student satisfaction and thesis outcomes remains a subject of ongoing investigation. This study explores student experiences with AI tools in thesis writing, aiming to understand their satisfaction levels and identify factors influencing their perception of these technologies.

This study assessed student satisfaction with AI tools used in thesis writing among 121 students at Sultan Kudarat State University (38 BTVTEd and 83 BSIT). The overall aim was to gauge satisfaction and identify influential factors.

Table 1: Overall Satisfaction Result

Descriptives

OBJECTIVE 1: OVERALL SATISFACTION OF STUDENTS
Descriptives

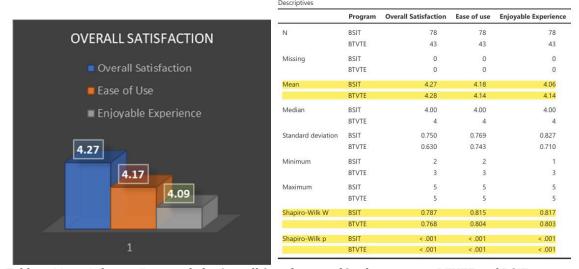


Table 2: Mann-Whitney Test result for Overall Satisfaction of Students among BTVTE and BSIT

ndependent Samples T-	Test		
		Statistic	р
Overall Satisfaction	Mann-Whitney U	1641	0.830
Ease of use	Mann-Whitney U	1616	0.722
Enjoyable Experience	Mann-Whitney U	1634	0.800

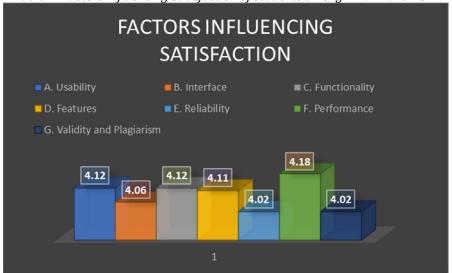
Note. $H_a \mu_{BSIT} \neq \mu_{BTVTE}$

Descriptive statistics (Table 1) reveal generally high levels of student satisfaction with AI tools for thesis writing, with mean scores above the midpoint of the scale for overall satisfaction (4.27), ease of use (4.18), and enjoyable experience (4.06). Low standard deviations (0.750, 0.769, and 0.827, respectively) suggest consistent satisfaction levels across the student population. However, these overall means may mask differences between BSIT and BTVTEd students. To investigate this, Mann-Whitney U tests (Table 2) were conducted to compare satisfaction levels between the two programs for each satisfaction measure. These non-parametric tests were appropriate given the non-normal distribution of the data (Shapiro-Wilk test, p < .001 for all three variables).

The results (Table 2) show no statistically significant differences between BSIT and BTVTEd students in overall satisfaction (U=1641, p=0.830), ease of use (U=1616, p=0.722), or enjoyable experience (U=1634, p=0.800). These findings suggest that the high overall satisfaction observed in the descriptive statistics is consistent across both programs. There is no evidence to suggest that one program's students experienced significantly different levels of satisfaction with the AI tools compared to the other program's

students. This aligns with the findings of Yuskovych-Zhukovska et al. (2022), who highlight the potential benefits of AI in education while also acknowledging the need for further research to understand the diverse experiences and perspectives of students across different educational contexts. While our study found no significant differences between BSIT and BTVTEd students, future research could explore factors that might influence student satisfaction with AI tools in more detail, considering variables such as prior experience with technology, individual learning styles, and the specific nature of the AI tools employed.

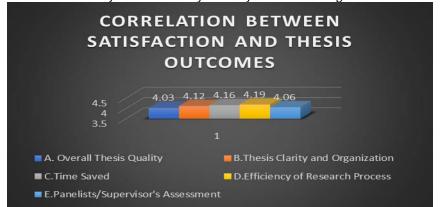
Table 3: Factors Influencing Satisfaction of Students among BTVTE and BSIT



The study by Chatterjee, Khorana, and Kizgin (2022) highlights the growing importance of understanding citizen satisfaction with the use of artificial intelligence (AI) in public services, emphasizing the need for a citizen-centric design to maximize AI's potential. Our study similarly explores satisfaction with AI tools, revealing several factors significantly influencing satisfaction levels. High ratings were observed for usability (4.12), functionality (4.12), features (4.11), and performance (4.18), suggesting these aspects of the AI tools were effective and well-received. Lower ratings were found for reliability (4.02), interface (4.06), and validity and plagiarism (4.02). These areas represent potential weaknesses requiring improvement, possibly indicating issues with tool consistency, user-friendliness, and the accuracy or originality of the generated content.

To determine the statistical significance of these observed differences and to compare the satisfaction levels of fourth-year BSIT and third-year BTVTEd students, Mann-Whitney U tests were conducted. The results of these tests, however, indicated no statistically significant differences between the two groups across any of the factors (all p-values > 0.05) (Please see Appendix). This suggests that, based on this analysis, BSIT and BTVTEd students did not differ significantly in their satisfaction levels regarding the usability, interface, functionality, features, reliability, performance, or validity and plagiarism of the AI tools.

Table 4: Test result for Overall Satisfaction of Students among BTVTE and BSIT



Linear Regression

Model Fit Measures					
Model	R	R²			
1	0.226	0.0512			

Model Coefficients - OVER ALL SATISFACTION

Predictor	Estimate	SE	t	р
Intercept *	4.17392	0.533	7.8348	< .001
STUDENTS:				
BTVTE - BSIT	0.05182	0.159	0.3257	0.745
OVERALL THESIS QUALITY	0.10411	0.197	0.5292	0.598
THESIS QUALITY AND ORGANIZATION	-0.38728	0.183	-2.1174	0.036
TIME SAVED	-0.11793	0.169	-0.6974	0.487
EFFECIENCY OF THE RESEARCH PROCESS	0.36388	0.197	1.8454	0.068
PANELISTS/SUPERVISORS ASSESSMENT	-0.00942	0.187	-0.0503	0.960

a Represents reference level

A linear regression model was employed to investigate the relationship between overall student satisfaction with AI tools and various thesis outcome measures. The model's R-squared value of 0.0512 indicates that only 5.12% of the variance in overall satisfaction is explained by the included predictors. While a positive correlation was observed between satisfaction and thesis outcomes, the regression analysis revealed a statistically significant negative relationship between 'Thesis Quality and Organization' and overall satisfaction (β = -0.38728, p = 0.036). This is unexpected and requires further investigation. The remaining predictors (student group, overall thesis quality, time saved, efficiency of the research process, and panelists/supervisors assessment) were not significantly associated with overall satisfaction (all p > 0.05). The low R-squared value suggests that other factors not included in this model may also significantly influence student satisfaction. Further analysis, including the calculation of effect sizes, is warranted to fully understand the strength and practical significance of these relationships and to explore potential confounding variables.

IMPLICATIONS

This study investigated student satisfaction with AI tools used in thesis writing at Sultan Kudarat State University, comparing BSIT and BTVTEd students. The overall findings reveal generally high satisfaction levels across both programs, with no statistically significant differences between BSIT and BTVTEd students in overall satisfaction, ease of use, or enjoyment. This suggests that the AI tools were, in general, well-received by students regardless of their program.

However, while overall satisfaction was high, the analysis of specific factors influencing satisfaction revealed some important nuances. While aspects like usability, functionality, features, and performance received high ratings, indicating effective tool design and implementation, areas like reliability, interface, and validity/plagiarism showed lower ratings, suggesting potential areas for improvement in the AI tools. These weaknesses might be related to inconsistencies in tool performance, user-friendliness, or the accuracy/originality of the generated content.

The linear regression analysis, aimed at understanding the relationship between overall satisfaction and thesis outcomes, yielded a low R-squared value (0.0512), indicating that the included predictors explain only a small portion of the variance in overall satisfaction. Furthermore, the model revealed an unexpected negative relationship between thesis quality and organization and overall satisfaction, highlighting a need for further investigation into this counterintuitive finding. Other thesis outcome measures (overall thesis quality, time saved, efficiency of research, and panelists' assessments) did not show a significant relationship with overall satisfaction.

In summary, while the study demonstrates generally high satisfaction with AI tools among students, it also points to specific areas needing improvement within the tools themselves (reliability, interface, and content validity). The weak predictive power of the regression model highlights the need for further research to identify additional factors influencing student satisfaction. The unexpected negative relationship between thesis organization and satisfaction warrants further investigation, potentially involving qualitative data to understand the reasons behind this finding. Future research should consider a wider range of variables, including individual student characteristics and contextual factors, to gain a

more comprehensive understanding of the complex interplay between AI tool usage, student satisfaction, and thesis outcomes.

CONCLUSIONS

Artificial intelligence (AI) offers transformative potential for education, enhancing teaching and learning in numerous ways. AI-powered tools can personalize learning experiences, provide immediate feedback, automate administrative tasks, and offer accessible support for diverse learners. However, responsible implementation is crucial, addressing ethical considerations and potential biases to ensure equitable access and effective integration. By thoughtfully incorporating AI, educational institutions can create more engaging, efficient, and effective learning environments, preparing students for a future increasingly shaped by technology. Continued research and development are essential to harness AI's full potential while mitigating its risks and maximizing its benefits for all learners.

RECOMMENDATIONS

- 1. **Enhance AI Tool Development:** AI tool developers should prioritize improvements in reliability, interface design, and content validity to address the shortcomings identified in this study. Focus should be placed on ensuring consistent performance, user-friendly interfaces, and accurate, original content generation.
- 2. **Investigate the Negative Correlation:** Further research is needed to explore the unexpected negative correlation between thesis organization and overall student satisfaction with AI tools. Qualitative methods, such as interviews or focus groups, could provide valuable insights into the underlying reasons for this finding.
- 3. **Develop Targeted Training Programs:** Institutions should develop training programs specifically designed to equip students with the skills and knowledge needed to effectively and ethically utilize AI tools in their thesis writing. This training should address both the technical aspects of tool usage and the ethical implications of AI-assisted writing.
- 4. **Explore Broader Factors Influencing Satisfaction:** Future research should investigate a wider range of factors that might influence student satisfaction with AI tools, including individual learning styles, prior technological experience, and the specific nature of the AI tools employed. This could involve mixed-methods approaches combining quantitative and qualitative data.
- 5. **Integrate AI ethically and responsibly:** Educational institutions should develop clear guidelines and policies regarding the ethical use of AI tools in academic writing. These guidelines should address issues such as plagiarism, bias, and transparency, ensuring responsible integration of AI into the curriculum.

REFERENCES

- 1. Al-Badi, A., Khan, A., & Eid-Alotaibi. (2022). Perceptions of Learners and Instructors towards Artificial Intelligence in Personalized Learning. Procedia Computer Science, 201, 445–451. https://doi.org/https://doi.org/10.1016/j.procs. 2022.03.058
- 2. Burger, B., Kanbach, D. K., Kraus, S., Breier, M., & Corvello, V. (2023). On the use of AI-based tools like ChatGPT to support management research. European Journal of Innovation Management, 26(7), 233–241. https://doi.org/10.1108/EJIM-02-2023-0156
- 3. Chan, C. K. Y., & Hu, W. (2023). Students' voices on generative AI: perceptions, benefits, and challenges in higher education. International Journal of Educational Technology in Higher Education, 20(1), 43. https://doi.org/10.1186/s41239-023-00411-8
- 4. Chubb, J., Cowling, P., & Reed, D. (2022). Speeding up to keep up: exploring the use of AI in the research process. AI & SOCIETY, 37(4), 1439–1457. https://doi.org/10.1007/s00146-021-01259-0
- 5. Cyril John A. Domingo, Kennedy A. Genon, Therese Niña V. Torres, Yvonne Lynn V. Torres, & Dr. Lorlaine R. Dacanay. (2023). Development and Validation of an Instrument Assessing University Students' Perceptions of the Use of Artificial Intelligence for Research. International Journal of Mathematics and Physical Sciences Research, 11(2), 15–25. https://doi.org/10.5281/zenodo.10409779
- 6. Elangovan, N., & Sundaravel, E. (2021). Method of preparing a document for survey instrument validation by experts. Methods X, 8. https://doi.org/10.1016/j.mex.2021.101326
- 7. Holmes, W., & Tuomi, I. (2022). State of the art and practice in AI in education. European Journal of Education, 57(4), 542–570. https://doi.org/https://doi.org/10.1111/ejed.12533
- 8. Keleş, P. U., & Aydın, S. (2021). University Students' Perceptions About Artificial Intelligence. Shanlax International Journal of Education, 9(S1-May), 212–220. https://doi.org/10.34293/education.v9is1-may.4014
- 9. Kumar, V. V. R., & Raman, R. (2022). Student Perceptions on Artificial Intelligence (AI) in higher education. 2022 IEEE Integrated STEM Education Conference (ISEC), 450–454. https://doi.org/10.1109/ ISEC54952.2022.10025165

- 10. Kurniati, E. Y., & Fithriani, R. (2022). Post-Graduate Students' Perceptions of Quillbot Utilization in English Academic Writing Class. Journal of English Language Teaching and Linguistics, 7(3), 437. https://doi.org/10.21462/jeltl.v7i3.852
- 11. Kusmaryono, I., Wijayanti, D., & Maharani, H. R. (2022). Number of Response Options, Reliability, Validity, and Potential Bias in the Use of the Likert Scale Education and Social Science Research: A Literature Review. In International Journal of Educational Methodology (Vol. 8, Issue 4, pp. 625–637). Eurasian Society of Educational Research. https://doi.org/10.12973/ijem.8.4.625
- 12. Sheikh, H., Prins, C., & Schrijvers, E. (2023). Artificial Intelligence: Definition and Background. In H. Sheikh, C. Prins, & E. Schrijvers (Eds.), Mission AI: The New System Technology (pp. 15–41). Springer International Publishing. https://doi.org/10.1007/978-3-031-21448-6_2
- 13. Yuskovych-Zhukovska, V., Poplavska, T., Diachenko, O., Mishenina, T., Topolnyk, Y., & Gurevych, R. (2022). Application of artificial intelligence in education. Problems and opportunities for sustainable development. BRAIN. Broad Research in Artificial Intelligence and Neuroscience, 13(1Sup1), 339-356.
- 14. Vagias, Wade M. (2006). Likert-type scale response anchors. Clemson International Institute for Tourism & Research Development, Department of Parks, Recreation and Tourism Management. Clemson University.

APPENDICES

AN ASSESSMENT OF STUDENT-RESEARCHER SATISFACTION WITH THE USE OF ARTIFICIAL INTELLIGENCE IN THESIS WRITING

Respondent's Name:	Age:
Date:	Gender:
Program/Major/Year Level (Ex.	BTVTE - FSM-3 rd year):
How many AI tools did you use for	your thesis? (Specify number and names)
	-

SCORESHEET

Five - Point Likert Scale

Instructions:

This questionnaire assesses your satisfaction with AI tools used in your thesis writing. This instrument is adapted from the work of Domingo et al. (2023) and Vagias, Wade M. (2006). Please read each statement carefully and indicate your level of satisfaction by selecting the number that best reflects your opinion. There are no right or wrong answers; your honest opinion is important.

Satisfaction Scale (5-point scale):

Use the following scale to rate your level of satisfaction with each statement:

1 – Not at all satisfied, 2 – Slightly satisfied, 3 – Moderately satisfied, 4 – Very satisfied, 5 – Extremely satisfied

(Example: If you are extremely satisfied with a statement, you would select "5". If you are not at all satisfied, you would select "1".)

Research questions Coperal Nations Copera Nations	1 – Not at all satisfied, 2 – Slightly satisfied, 3 – Moderately satisfied 4 – Very satisfied, 5 – Extremely satisfied (Yasse Wass, 2009)					
1. Overall Satisfaction: I am overall satisfaction with my experience using AI tools for my thesis. 2. Ease of Use: Using AI tools for my thesis was easy and straightforward. 3. Enjoyable Experience: Using AI tools made the thesis writing process more enjoyable for me. Factors Influencing Satisfaction 5. 4. 3. 2. 1 A. Usability 1. The AI tools were easy to learn and use. 2. The AI tools were intuitive and easy to navigate. 3. The instructions provided for the AI tools were clear and concise. 4. I found the AI bools easy to integrate into my existing workflow. 5. I feit confident using the AI tools to complete my thesis-related tasks. B. Interface 1. The user interface of the AI tools was visually appealing and uncluttered. 2. The AI tools interface was easy to understand and navigate. 3. The layout and design of the AI tools were helpful and efficient. 4. The AI tools provided clear and concise feedback. 5. The interface of the AI tools was onsistent and predictable. C. Functionality 1. The AI tools acourately performed the tasks I needed them to do. 2. The AI tools provided helpful and relevant assistance with my thesis writing. 3. The AI tools met my expectations in terms of their functionality. 4. The features of the AI tools were relevant to my					level of satisf.	action, 1 is the
I am overall satisfied with my experience using AI tools for my thesis. 2 Ease of Use: Using AI tools for my thesis was easy and straightforward. 3. Enjoyable Experience: Using AI tools made the thesis writing process more enjoyable for me. Factors Influencing Satisfaction 5 4 3 2 1 A. Usability 1. The AI tools were easy to learn and use. 2. The AI tools were easy to learn and use. 2. The AI tools were intuitive and easy to navigate. 3. The instructions provided for the AI tools were clear and concise. 4. I found the AI tools easy to integrate into my existing workflow. 5. I felt confident using the AI tools to complete my thesis-related tasks. 8. Interface 1. The user interface of the AI tools was visually appealing and uncluttered. 2. The AI tools 'interface was easy to understand and an exigate. 3. The layout and design of the AI tools were helpful and efficient. 4. The AI tools provided clear and concise feedback. 5. The interface of the AI tools was consistent and predictable. C. Functionality 1. The AI tools acourately performed the tasks I needed them to do. 2. The AI tools provided helpful and relevant assistance within thesis writing. 3. The AI tools met my expectations in terms of their functionality. 4. The features of the AI tools were relevant to my	Overall Satisfaction	5	4	3	2	1
tools for my thesis. 2. Ease of Use: Using Al tools for my thesis was easy and straightforward. 3. Enjoyable Experience: Using Al tools made the thesis writing process more enjoyable for me. Factors Influencing Satisfaction 5. 4. 3. 2. 1 A. Usability 1. The Al tools were easy to learn and use. 2. The Al tools were intuitive and easy to nearlyable. 3. The Instructions provided for the Al tools were olear and concise. 4. I found the Al tools easy to integrate into my existing workflow. 5. I felt confident using the Al tools to complete my thesis-related tasks. 8. Interface 1. The user interface of the Al tools was visually appealing and uncluttered. 2. The Al tools 'interface was easy to understand and navigable. 3. The layout and design of the Al tools were helpful and efficient. 4. The Al tools provided clear and concise feedback. 5. The interface of the Al tools was onsistent and predictable. C. Functionality 1. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools were relevant to my	1. Overall Satisfaction:					
2. Ease of Use: Using Al tools for my thesis was easy and straightforward. 3. Enjoyable Experience: Using Al tools made the thesis writing process more enjoyable for me. Factors Influencing Satisfaction 5 4 3 2 1 A. Usability 1. The Al tools were easy to learn and use. 2. The Al tools were intuitive and easy to navigate. 3. The instructions provided for the Al tools were clear and concise. 4. I found the Al tools easy to integrate into my existing workflow. 5. I felt confident using the Al tools to complete my thesis-related tasks. B. Interface 1. The user interface of the Al tools was visually appealing and uncluttered. 2. The Al tools inferface was easy to understand and navigate. 3. The layout and design of the Al tools were helpful and efficient. 4. The Al tools provided clear and concise feedback. 5. The interface of the Al tools were helpful and efficient. 6. The Interface of the Al tools was consistent and predictable. C. Functionality 1. The Al tools grounded helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality. 4. The factures of the Al tools were relevant to my	I am overall satisfied with my experience using AI					
Using Al tools for my thesis was easy and shrightforward. Senjoyable Experience: Using Al tools made the thesis writing process more enjoyable for me. Factors Influencing Satisfaction 5 4 3 2 1 A. Usability 1. The Al tools were easy to learn and use. 2. The Al tools were intuitive and easy to naviyate. 3. The instructions provided for the Al tools were clear and concise. 1. Ifound the Al tools easy to integrate into my existing workflow. 5. I felt confident using the Al tools to complete my thesis-related tasks. B. Interface 1. The user interface of the Al tools was visually appealing and uncluttered. 2. The Al tools interface was easy to understand and navigate. 3. The layout and design of the Al tools were helpful and efficient. 4. The Al tools interface and concise feedback. 5. The interface of the Al tools was consistent and predictable. C. Functionality 1. The Al tools courately performed the tasks I needed them to do. 2. The Al tools provided helpful and relevant assistance within the sessistance within the sessistance withing. 3. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality. 4. The features of the Al tools were relevant to my	tools for my thesis.					
straightforward. 3. Enjoyable Experience: Using Al tools made the thesis writing process more enjoyable for me. Factors Influencing Satisfaction 5 4 3 2 1 A. Usability 1. The Al tools were easy to learn and use. 2. The Al tools were intuitive and easy to navigate. 3. The instructions provided for the Al tools were clear and concise. 4. I found the Al tools easy to integrate into my existing workflow. 5. I feit confident using the Al tools to complete my thesis-related tasks. B. Interface 1. The user interface of the Al tools was visually appealing and uncluttered. 2. The Al tools interface was easy to understand and navigate. 3. The layout and design of the Al tools were helpful and efficient. 4. The Al tools provided clear and concise feedback. 5. The interface of the Al tools was onsistent and predictable. C. Functionality 1. The Al tools accurately performed the tasks I needed them to do. 2. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality. 4. The features of the Al tools were relevant to my	2. Ease of Use:					
3. Enjoyable Experience: Using Al tools made the thesis writing process more enjoyable for me. Factors Influencing Satisfaction 5 4 3 2 1 A. Usability 1. The Al tools were easy to learn and use. 2. The Al tools were intuitive and easy to navigate. 3. The instructions provided for the Al tools were clear and concise. 4. I found the Al tools easy to integrate into my existing workflow. B. Interface 1. The user interface of the Al tools was visually aspealing and unduttered. 2. The Al tools 'interface was easy to understand and an uniquate. 3. The layout and design of the Al tools were helpful and efficient. 4. The Al tools provided clear and concise feedback. 5. The interface of the Al tools was onsistent and predictable. C. Functionality 1. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality. 4. The falt tools were relevant to my	Using Al tools for my thesis was easy and					
Using Al tools made the thesis writing process more enjoyable for me. Factors Influencing Satisfaction 5 4 3 2 1 A. Usability 1. The Al tools were easy to learn and use. 2. The Al tools were easy to learn and use. 3. The Instructions provided for the Al tools were clear and concise. 4. I found the Al tools easy to integrate into my existing workflow. 5. I felt confident using the Al tools to complete my thesis-related tasks. 8. Interface 1. The user interface of the Al tools was visually appealing and unculturend. 2. The Al tool's interface was easy to understand and navigate. 3. The layout and design of the Al tools were helpful and efficient. 4. The Al tool's provided clear and concise feedback. 5. The interface of the Al tools was onsistent and predictable. C. Functionality 1. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality. 4. The features of the Al tools were relevant to my	straightforward.					
more enjoyable for me. Factors Influencing Satisfaction 5 4 3 2 1 A. Usability 5 5 4 3 2 1 The Al tools were easy to learn and use. 2. The Al tools were intuitive and easy to navigate. 3. The instructions provided for the Al tools were clear and concise. 4. I found the Al tools easy to integrate into my existing workflow. 5. I felt confident using the Al tools to complete my thesis-related tasks. B. Interface 1. The user interface of the Al tools was visually appealing and uncluttered. 2. The Al tools interface was easy to understand and an avigate. 3. The layout and design of the Al tools were helpful and efficient. 4. The Al tools provided clear and concise feedback. 5. The interface of the Al tools were helpful and efficient. 6. The interface of the Al tools was consistent and predictable. 7. Functionality 1. The Al tools accurately performed the tasks I needed them to do. 2. The Al tools met my expectations in terms of their functionality. 3. The Al tools met my expectations in terms of their functionality. 4. The features of the Al tools were relevant to my	3. Enjoyable Experience:					
Factors Influencing Satisfaction 5 4 3 2 1 A. Usability 1. The Al tools were easy to learn and use. 2. The Al tools were intuitive and easy to navigate. 3. The instructions provided for the Al tools were clear and concise. 4. I found the Al tools easy to integrate into my existing workflow. 5. I felt confident using the Al tools to complete my thesis-related tasks. B. Interface 1. The user interface of the Al tools was visually aspealing and uncluttered. 2. The Al tools interface was easy to understand and an averagate. 3. The layout and design of the Al tools were helpful and efficient. 4. The Al tools provided clear and concise feedback. 5. The interface of the Al tools was consistent and predictable. C. Functionality 1. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality, and the Al tools were relevant to my	Using Al tools made the thesis writing process					
A. Usability 1. The Al tools were easy to learn and use. 2. The Al tools were intuitive and easy to navigate. 3. The instructions provided for the Al tools were clear and concise. 4. I found the Al tools easy to integrate into my existing workflow. 5. I fet confident using the Al tools to complete my thesis-related tasks. B. Interface 1. The user interface of the Al tools was visually appealing and uncluttered. 2. The Al tools interface was easy to understand and navigate. 3. The layout and design of the Al tools were helpful and efficient. 4. The Al tools provided clear and concise feedback. 5. The interface of the Al tools was consistent and predictable. C. Functionality 1. The Al tools accurately performed the tasks I needed them to do. 2. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality. 1. The Al tools were relevant to my	more enjoyable for me.					
1. The Al tools were easy to learn and use. 2. The Al tools were intuitive and easy to navigate. 3. The instructions provided for the Al tools were clear and concise. 4. I found the Al tools easy to integrate into my existing workflow. 5. I felt confident using the Al tools to complete my thesis-related tasks. B. Interface 1. The user interface of the Al tools was visually appealing and uncluttered. 2. The Al tools interface was easy to understand and navigate. 3. The layout and design of the Al tools were helpful and efficient. 4. The Al tools provided clear and concise feedback. 5. The interface of the Al tools was consistent and predictable. C. Functionality 1. The Al tools socurately performed the tasks I needed them to do. 2. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality.	Factors Influencing Satisfaction	5	4	3	2	1
2. The Al tools were intuitive and easy to navigate. 3. The instructions provided for the Al tools were clear and concise. 4. I found the Al tools easy to integrate into my existing workflow. 5. I felt confident using the Al tools to complete my thesis-related tasks. 8. Interface 1. The user interface of the Al tools was visually appealing and uncluttered. 2. The Al tools' interface was easy to understand and an early appealing and uncluttered. 3. The layout and design of the Al tools were helpful and efficient. 4. The Al tools provided clear and concise feedback. 5. The interface of the Al tools was consistent and predictable. C. Functionality 1. The Al tools acourately performed the tasks I needed them to do. 2. The Al tools provided helpful and relevant assistance within thesis writing. 3. The Al tools met my expectations in terms of their functionality. 4. The features of the Al tools were needeal them to do. 5. The interface of the Al tools withing. 5. The Al tools acourately performed the tasks I needed them to do. 5. The features of the Al tools were relevant to my	A. Usability					
nevigate. 3. The instructions provided for the Al tools were clear and concise. 4. I found the Al tools easy to integrate into my existing workflow. 5. I felt confident using the Al tools to complete my thesis-related tasks. B. Interface 1. The user interface of the Al tools was visually aspealing and uncluttered. 2. The Al tools' interface was easy to understand and navigate. 3. The layout and design of the Al tools were helpful and efficient. 4. The Al tools provided clear and concise feedback. 5. The interface of the Al tools was consistent and predictable. C. Functionality 1. The Al tools accurately performed the tasks I needed them to do. 2. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality.	The Al tools were easy to learn and use.					
3. The instructions provided for the Al tools were clear and concise. 4. I found the Al tools easy to integrate into my existing workflow. 5. I felt confident using the Al tools to complete my thesis-related tasks. B. Interface 1. The user interface of the Al tools was visually appealing and uncluttered. 2. The Al tools interface was easy to understand and navigate. 3. The layout and design of the Al tools were helpful and efficient. 4. The Al tools provided clear and concise feedback. 5. The interface of the Al tools was consistent and predictable. C. Functionality 1. The Al tools accurately performed the tasks I needed them to do. 2. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality.						
clear and concise. 4. I found the Al tools easy to integrate into my existing workflow. 5. I felt confident using the Al tools to complete my thesis-related tasks. 8. Interface 1. The user interface of the Al tools was visually appealing and uncluttered. 2. The Al tools interface was easy to understand and navigate. 3. The layout and design of the Al tools were helpful and efficient. 4. The Al tools provided clear and concise feedback. 5. The interface of the Al tools was consistent and predictable. C. Functionality 1. The Al tools accurately performed the tasks I needed them to do. 2. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality.						
existing workflow. 5. I felt confident using the Al tools to complete my thesis-related tasks. B. Interface 1. The user interface of the Al tools was visually appealing and uncluttered. 2. The Al tools interface was easy to understand and navigate. 3. The layout and design of the Al tools were helpful and efficient. 4. The Al tools provided clear and concise feedback. 5. The interface of the Al tools was consistent and predictable. C. Functionality 1. The Al tools accurately performed the tasks I needed them to do. 2. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality.	clear and concise.					
5. I felt confident using the Al tools to complete my thesis-related tasks. B. Interface 1. The user interface of the Al tools was visually spealing and uncluttered. 2. The Al tools 'interface was easy to understand and navigate. 3. The layout and design of the Al tools were helpful and efficient. 4. The Al tools provided clear and concise feedback. 5. The interface of the Al tools was consistent and predictable. C. Functionality 1. The Al tools accurately performed the tasks I needed them to do. 2. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality. 4. The features of the Al tools were relevant to my						
my thesis-related tasks. B. Interface 1. The user interface of the AI tools was visually appealing and uncluttered. 2. The AI tools interface was easy to understand and and and and and and and and and						
1. The user interface of the Al tools was visually appealing and uncluttered. 2. The Al tools inferface was easy to understand and navigate. 3. The layout and design of the Al tools were helpful and efficient. 4. The Al tools provided clear and concise feedback. 5. The interface of the Al tools was consistent and predictable. C. Functionality 1. The Al tools accurately performed the tasks I needed them to do. 2. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality. 1. The factures of the Al tools were relevant to my						
appealing and uncluttered. 2. The Al Izods' Interface was easy to understand and navigate. 3. The layout and design of the Al tools were helpful and efficient. 4. The Al tools provided clear and concise feedback. 5. The interface of the Al tools was consistent and predictable. C. Functionality I. The Al tools accurately performed the tasks I needed them to do. 2. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality. 4. The features of the Al tools were relevant to my	B. Interface					
appealing and uncluttered. 2. The Al Izods' Interface was easy to understand and navigate. 3. The layout and design of the Al tools were helpful and efficient. 4. The Al tools provided clear and concise feedback. 5. The interface of the Al tools was consistent and predictable. C. Functionality I. The Al tools accurately performed the tasks I needed them to do. 2. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality. 4. The features of the Al tools were relevant to my	1. The user interface of the Al tools was visually					
and navigate. 3. The layout and design of the Al tools were helpful and efficient. 4. The Al tools provided clear and concise feedback. 5. The interface of the Al tools was consistent and predictable. C. Functionality 1. The Al tools accurately performed the tasks I needed them to do. 2. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality.						
3. The layout and design of the Al tools were helpful and efficient. 4. The Al tools provided clear and concise feedback. 5. The interface of the Al tools was consistent and predictable. C. Functionality I. The Al tools accurately performed the tasks I needed them to do. 2. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality. 4. The features of the Al tools were relevant to my	2. The Al tools' interface was easy to understand					
helpful and efficient. 4. The Al tools provided clear and concise feedback. 5. The interface of the Al tools was consistent and predictable. C. Functionality 1. The Al tools accurately performed the tasks I needed them to do. 2. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality.	and navigate.					
4. The AI tools provided clear and concise feedback. 5. The interface of the AI tools was consistent and predictable. C. Functionality. 1. The AI tools accurately performed the tasks I needed them to do. 2. The AI tools provided helpful and relevant assistance with my thesis writing. 3. The AI tools met my expectations in terms of their functionality. 4. The features of the AI tools were relevant to my	3. The layout and design of the Al tools were					
feedback 5. The interface of the Al tools was consistent and predictable. C. Functionality I. The Al tools accurately performed the tasks I needed them to do. 2. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality. I the Al tools met my expectations in terms of their functionality.	helpful and efficient.					
5. The interface of the Al tools was consistent and predictable. C. Functionality 1. The Al tools accurately performed the tasks I needed them to do. 2. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality. 4. The features of the Al tools were relevant to my						
predictable. C. Functionality 1. The Al tools accurately performed the tasks I needed them to do. 2. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality. 4. The features of the Al tools were relevant to my						
The Al tools accurately performed the tasks I needed them to do. The Al tools provided helpful and relevant assistance with my thesis writing. The Al tools met my expectations in terms of their functionality. The features of the Al tools were relevant to my	predictable.					
needed them to do. 2. The Al tools provided helpful and relevant assistance with my thesis writing. 3. The Al tools met my expectations in terms of their functionality. 4. The features of the Al tools were relevant to my	C. Functionality					
2. The AI tools provided helpful and relevant assistance with my thesis writing. 3. The AI tools met my expectations in terms of their functionality. 4. The features of the AI tools were relevant to my						
assistance with my thesis writing. 3. The AI tools met my expectations in terms of their functionality. 4. The features of the AI tools were relevant to my		-				
3. The AI tools met my expectations in terms of their functionality. The fatures of the AI tools were relevant to my						
their functionality. 4. The features of the AI tools were relevant to my	, ,					
	their functionality.					

5. The AI tools effectively supported my thesis			
writing process.			
D. Features			
1. The Al tools offered a sufficient range of			
features for my thesis writing needs. 2. The features of the AI tools were easy to			
 I ne restures of the Al tools were easy to access and use. 			
3 The Al tools offered features that were not			
available in other software Lused			
The Al tools' features were well-integrated and			
worked seamlessly together.			
5. The features of the Al tools enhanced my			
thesis writing efficiency.			
E. Reliability			
1. The Al tools were reliable and consistent in			
their performance.			
2. The Al tools rarely experienced errors or			
glitches.			
3. I could depend on the AI tools to provide			
accurate results.			
4. The Al tools were consistently available when			
I needed them.			
5. The Al tools performed as expected without			
unexpected issues. F. Performance			
TTT GITGITIES			
 The Al tools processed information quickly and efficiently. 			
The Al tools completed tasks in a timely			
manner.			
The Al tools' response times were acceptable.			
4. The Al tools did not consume excessive			
computing resources.			
5. The Al tools' overall performance was			
satisfactory.			
G. Validity and Plagiarism			
To what extent did the Al tools help ensure the			
validity and reliability of your research			
findings?			
2. How confident are you in the accuracy of the			
results obtained with the assistance of Al			
tools?			
3. Did you use the Al tools in a way that ensured			
originality and avoided plagiarism in your			
thesis?			
To what extent did you rely on the Al tools to			
generate ideas of arguments for your thesis?	I	l	

5. To what extent did the Al tools help you with				
critical evaluation in your thesis?				
Correlation Between Satisfaction and Thesis				
Outcomes				
1. Overall Thesis Quality:				
My thesis is of high quality due in part to my use				
of Al tools.				
2. Thesis Clarity and Organization:				
Using AI tools helped me improve the clarity and				
organization of my thesis.				
3. Time Saved:				
Using Al tools significantly reduced the time it				
took me to complete my thesis.				
4. Efficiency of Research Process:				
Using Al tools improved the overall efficiency of				
my research process.				
5. Panelists/Supervisor's Assessment:				
My thesis supervisor rated the quality of my thesis				
highly, in part due to my effective use of Al tools.				

Thank you for your time and participation in this study. Your responses are greatly appreciated and will be kept confidential.

JENA MAE FATAGANI-VALERIO JAY RENEE G. VALERIO JONALYN P. BALANCIO Junior Researchers

JONALD L. PIMENTEL, PhD Senior Researcher

JAMOVI RESULTS

Research Q1:

Descriptives

OBJECTIVE 1: OVERALL SATISFACTION OF STUDENTS Descriptives

	Program	Overall Satisfaction	Ease of use	Enjoyable Experience
N	BSIT	78	78	78
	BTVTE	43	43	43
Missing	BSIT	0	0	0
	BTVTE	0	0	0
Mean	BSIT	4.27	4.18	4.06
	BTVTE	4.28	4.14	4.14
Median	BSIT	4.00	4.00	4.00
	BTVTE	4	4	4
Standard deviation	BSIT	0.750	0.769	0.827
	BTVTE	0.630	0.743	0.710
Minimum	BSIT	2	2	1
	BTVTE	3	3	3
Maximum	BSIT	5	5	5
	BTVTE	5	5	5
Shapiro-Wilk W	BSIT	0.787	0.815	0.817
	BTVTE	0.768	0.804	0.803
Shapiro-Wilk p	BSIT	< .001	< .001	< .001
	BTVTE	< .001	< .001	< .001

Independent Samples T-Test

		Statistic	р
Overall Satisfaction	Mann-Whitney U	1641	0.830
Ease of use	Mann-Whitney U	1616	0.722
Enjoyable Experience	Mann-Whitney U	1634	0.800

Note. $H_a \mu_{BSIT} \neq \mu_{BTVTE}$

Research Q2:

-1.1321 1495 0.0703 ° 1629 -0.7566 1568	119	0.260 0.281 0.944
0.0703 * 1629 -0.7566	119	
1629 -0.7566	119	0.944
-0.7566		
		0.776
1568	119	0.451
		0.526
-0.1955 a	119	0.845
1646		0.851
-0.5736	119	0.567
1527		0.381
0.2410*	119	0.810
1610		0.681
-0.8292	119	0.409
		0.538
-0.4106	119	0.682
		0.520
	119	0.959
1658		0.910
-0.7031	119	0.483
		0.533
	119	0.672
		0.550
	119	0.455
		0.573
	119	0.449
		0.484
	119	0.756
	119	0.715

	119	0.376
	110	
	119	0.401
	110	0.437
	119	0.437
	110	0.632
	119	0.632
	110	
	119	0.743
	-0.5736 1527 0.2410* 1610 -0.8292 1575 -0.4106 1568 0.0521* 1658	-0.5736 119 1527 0.2410* 119 1610 -0.8292 119 1575 -0.4106 119 1568 0.0521* 119 1658 -0.7031* 119 1575 -0.4244* 119 1581 -0.7491 119 1584 -0.7597 119 1558 -0.3110* 119 1652 -0.3658* 119 1628 0.8884 119 1520 -0.8436 119 1553 0.7793 119 1527 0.4002* 119 1537 -0.3285 119

to do		1	C		T T	
Inde	pen	aent	Sam	ipies	T-Tes	ľ

		Statistic	df	р
RELIABILITY 1	Student's t Mann-Whitney U	-0.3463 1628	119	0.730
RELIABILITY 2	Student's t Mann-Whitney U	1.0596 1473	119	0.291
RELIABILITY 3	Student's t Mann-Whitney U	0.9463 1491	119	0.346
RELIABILITY 4	Student's t Mann-Whitney U	0.5664 1552	119	0.572
RELIABILITY 5	Student's t Mann-Whitney U	1.3701 1447	119	0.173
PERFORMANCE 1	Student's t Mann-Whitney U	-1.5403 1441	119	0.126
PERFORMANCE 2	Student's t Mann-Whitney U	-1.0899 1533	119	0.278
PERFORMANCE 3	Student's t Mann-Whitney U	-1.2491 1479	119	0.214
PERFORMANCE 4	Student's t Mann-Whitney U	0.1692 ° 1633	119	0.866
PERFORMANCE 5	Student's t Mann-Whitney U	-1.3896 1454	119	0.167
VALID AND PLAGIARISM 1	Student's t Mann-Whitney U	0.0163 1651	119	0.987
VALID AND PLAGIARISM 2	Student's t Mann-Whitney U	0.6497 1552	119	0.517
VALID AND PLAGIARISM 3	Student's t Mann-Whitney U	0.5162 1537	119	0.607
VALID AND PLAGIARISM 4	Student's t Mann-Whitney U	1.3081 1429	119	0.193
VALID AND PLAGIARISM 5	Student's t Mann-Whitney U	1.3873 1441	119	0.168

Note. $H_* \mu_{BSIT} \neq \mu_{BTVTE}$

 $^{\mathrm{a}}$ Levene's test is significant (p < .05), suggesting a violation of the assumption of equal variances

Research 3:

Linear Regression

Model Fit Measures

Model	R	R²	
1	0.226	0.0512	

Model Coefficients - OVER ALL SATISFACTION

Predictor	Estimate	SE	t	р
Intercept a	4.17392	0.533	7.8348	< .001
STUDENTS:				
BTVTE - BSIT	0.05182	0.159	0.3257	0.745
OVERALL THESIS QUALITY	0.10411	0.197	0.5292	0.598
THESIS QUALITY AND ORGANIZATION	-0.38728	0.183	-2.1174	0.036
TIME SAVED	-0.11793	0.169	-0.6974	0.487
EFFECIENCY OF THE RESEARCH PROCESS	0.36388	0.197	1.8454	0.068
PANELISTS/SUPERVISORS ASSESSMENT	-0.00942	0.187	-0.0503	0.960

^a Represents reference level

Copyright: © **2025 Author**. This is an open access article distributed under the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

 $^{^{\}mathrm{a}}$ Levene's test is significant (p < .05), suggesting a violation of the assumption of equal variances