

BAB VI

PENUTUP

A. Kesimpulan

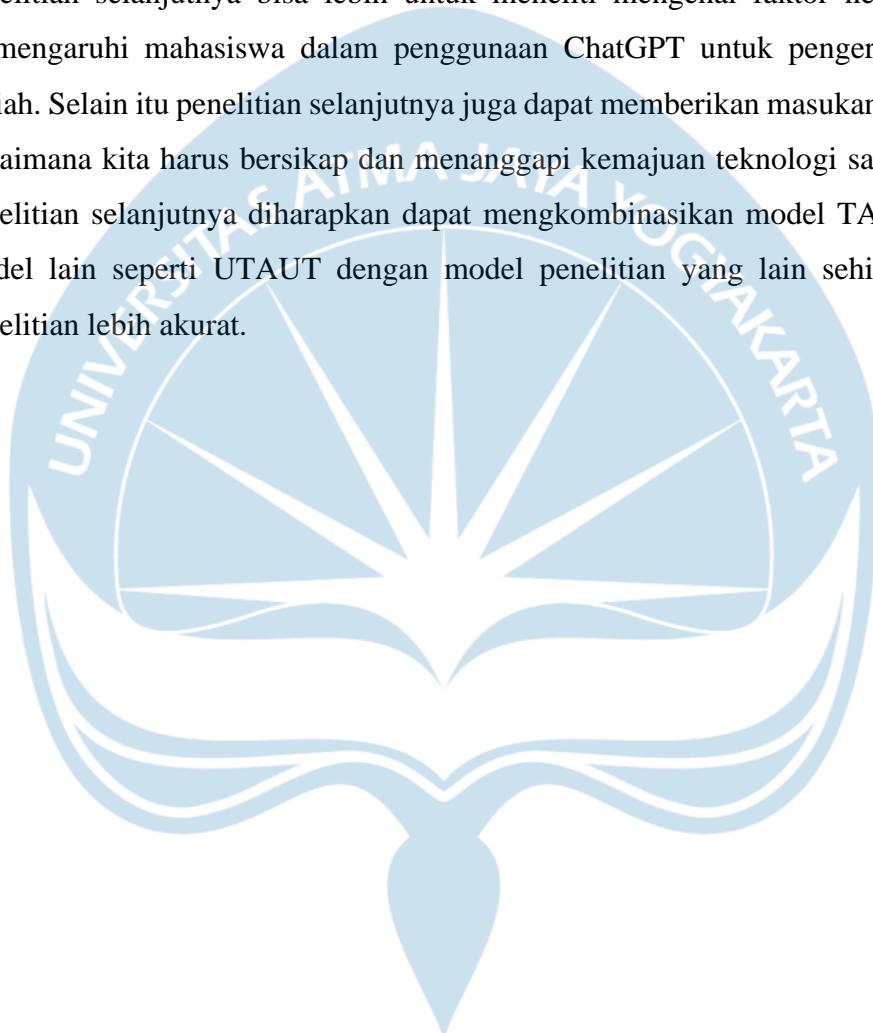
Penelitian ini menganalisis faktor *Integrity* dan *Accuracy* yang memengaruhi penggunaan ChatGPT oleh mahasiswa dalam mengerjakan tugas kuliah. Data dikumpulkan dari 357 responden melalui metode *online* dan *offline*. Model *Technology Acceptance Model* (TAM) digunakan dengan delapan faktor utama seperti *Perceived Usefulness*, *Perceived Ease of Use*, *Attitude*, *Behavioral Intention*, *Privacy*, *Security*, *Social Influence*, dan *Trust*, ditambah dua faktor tambahan yaitu *Integrity* dan *Accuracy* untuk menganalisis dampak negatif dari penggunaan ChatGPT. Faktor kemudian *Attitude* terpaksa dihapus karena bertabrakan dalam perhitungan *Discriminant Validity*.

Penelitian ini menunjukkan bahwa data yang digunakan telah terdistribusi secara normal. Model TAM dalam penelitian ini masih memiliki pengaruh besar dalam menentukan penggunaan ChatGPT oleh mahasiswa. Faktor *Perceived Ease of Use*, *Perceived Usefulness*, *Trust*, *Accuracy*, dan *Integrity* terbukti lebih dominan memengaruhi minat mahasiswa dalam menggunakan ChatGPT, sedangkan *Behavioral Intention*, *Privacy*, *Security*, dan *Social Influence* tidak memiliki pengaruh signifikan.

Analisis faktor tambahan menunjukkan bahwa *Integrity* memengaruhi penggunaan ChatGPT dalam hal potensi kecurangan akademik, dengan meningkatnya kemungkinan akan dilakukannya kecurangan maka dapat menaikkan niat penggunaanya bagi mahasiswa, sedangkan *Accuracy* berpengaruh pada keakuratan informasi yang diperoleh, walaupun informasi yang didapatkan dari ChatGPT masih kurang akurat, tidak membuat mahasiswa kekurangan kepercayaan terhadap penggunaan ChatGPT dan akan tetap menggunakan sebagai referensi dalam pengerjaan tugas kuliah.

B. Saran

Saran yang diberikan untuk mengembangkan penelitian selanjutnya yaitu pada pengembangan model hipotesis yang lebih luas lagi, di mana selain membahas mengenai faktor positif yang memengaruhi penggunaan ChatGPT, diharapkan penelitian selanjutnya bisa lebih untuk meneliti mengenai faktor negatif yang memengaruhi mahasiswa dalam penggunaan ChatGPT untuk pengerjaan tugas kuliah. Selain itu penelitian selanjutnya juga dapat memberikan masukan mengenai bagaimana kita harus bersikap dan menanggapi kemajuan teknologi saat ini serta penelitian selanjutnya diharapkan dapat mengkombinasikan model TAM dengan model lain seperti UTAUT dengan model penelitian yang lain sehingga hasil penelitian lebih akurat.



DAFTAR PUSTAKA

- [1] T. T. A. Ngo, “The Perception by University Students of the Use of ChatGPT in Education,” *International Journal of Emerging Technologies in Learning*, vol. 18, no. 17, pp. 4–19, 2023, doi: 10.3991/ijet.v18i17.39019.
- [2] M. A. Firmansyah, “ANALISIS HAMBATAN BELAJAR MAHASISWA PADA MATA KULIAH STATISTIKA,” 2017.
- [3] W. A. Dasopang, M. A. Hascan, D. Ayu, and R. Pratiwi, “PROBLEMATIKA MAHASISWA TERHADAP TUGAS PERKULIAHAN BERBASIS KURIKULUM KKNI (STUDI KASUS PRODI PAI UIN SUMATERA UTARA) STUDENT PROBLEMS ON LECTURE ASSIGNMENTS BASED ON KKNI CURRICULUM (CASE STUDY OF PAI UIN NORTH SUMATRA STUDY PROGRAM),” vol. 8, no. 1, 2022, doi: 10.31943/jurnal_risalah.v8i1.194.
- [4] M. I. Jowarder, “The Influence of ChatGPT on Social Science Students: Insights Drawn from Undergraduate Students in the United States,” *Indonesian Journal of Innovation and Applied Sciences (IJIAS)*, vol. 3, no. 2, pp. 194–200, Jun. 2023, doi: 10.47540/ijias.v3i2.878.
- [5] M. Abdaljaleel *et al.*, “Factors Influencing Attitudes of University Students towards ChatGPT and Its Usage: A Multi-National Study Validating the TAME-ChatGPT Survey Instrument,” 2023, doi: 10.20944/preprints202309.1541.v1.
- [6] K. Marlin *et al.*, “Manfaat dan Tantangan Penggunaan Artificial Intelligences (AI) Chat GPT Terhadap Proses Pendidikan Etika dan Kompetensi Mahasiswa Di Perguruan Tinggi,” 2023.
- [7] H. Albayati, “Investigating undergraduate students’ perceptions and awareness of using ChatGPT as a regular assistance tool: A user acceptance perspective study,” *Computers and Education: Artificial Intelligence*, vol. 6, Jun. 2024, doi: 10.1016/j.caai.2024.100203.
- [8] A. C. Niloy *et al.*, “Why do students use ChatGPT? Answering through a

- triangulation approach," *Computers and Education: Artificial Intelligence*, vol. 6, Jun. 2024, doi: 10.1016/j.caeari.2024.100208.
- [9] G. Maheshwari, "Factors influencing students' intention to adopt and use ChatGPT in higher education: A study in the Vietnamese context," *Educ Inf Technol (Dordr)*, 2023, doi: 10.1007/s10639-023-12333-z.
- [10] M. Abdaljaleel *et al.*, "A multinational study on the factors influencing university students' attitudes and usage of ChatGPT," *Sci Rep*, vol. 14, no. 1, Dec. 2024, doi: 10.1038/s41598-024-52549-8.
- [11] J. M. Romero-Rodríguez, M. S. Ramírez-Montoya, M. Buenestado-Fernández, and F. Lara-Lara, "Use of ChatGPT at University as a Tool for Complex Thinking: Students' Perceived Usefulness," *Journal of New Approaches in Educational Research*, vol. 12, no. 2, pp. 323–339, 2023, doi: 10.7821/naer.2023.7.1458.
- [12] I. Salifu, F. Arthur, V. Arkorful, S. Abam Nortey, and R. Solomon Osei-Yaw, "Economics students' behavioural intention and usage of ChatGPT in higher education: a hybrid structural equation modelling-artificial neural network approach," *Cogent Soc Sci*, vol. 10, no. 1, 2024, doi: 10.1080/23311886.2023.2300177.
- [13] A. Strzelecki, "To use or not to use ChatGPT in higher education? A study of students' acceptance and use of technology," *Interactive Learning Environments*, pp. 1–14, doi: 10.1080/10494820.2023.2209881.
- [14] J. D, M. Srinivasan, G. S. Dhanunjay, and R. Shamala, "UNVEILING STUDENT MOTIVATIONS: A STUDY OF CHATGPT USAGE IN EDUCATION," *ShodhKosh: Journal of Visual and Performing Arts*, vol. 4, no. 2, Aug. 2023, doi: 10.29121/shodhkosh.v4.i2.2023.503.
- [15] W. Yifan, Y. Mengmeng, and M. K. Omar, "'A Friend or A Foe' Determining Factors Contributed to the Use of ChatGPT among University Students," *International Journal of Academic Research in Progressive Education and Development*, vol. 12, no. 2, Jun. 2023, doi: 10.6007/ijarped/v12-i2/17400.
- [16] A. O. Ajlouni, F. A. A. Wahba, and A. S. Almahaireh, "Students' Attitudes

- Towards Using ChatGPT as a Learning Tool: The Case of the University of Jordan," *International Journal of Interactive Mobile Technologies*, vol. 17, no. 18, pp. 99–117, 2023, doi: 10.3991/ijim.v17i18.41753.
- [17] C. K. Tiwari, M. A. Bhat, S. T. Khan, R. Subramaniam, and M. A. I. Khan, "What drives students toward ChatGPT? An investigation of the factors influencing adoption and usage of ChatGPT," *Interactive Technology and Smart Education*, 2023, doi: 10.1108/ITSE-04-2023-0061.
- [18] Q. Cai, Y. Lin, and Z. Yu, "Factors Influencing Learner Attitudes Towards ChatGPT-Assisted Language Learning in Higher Education," *Int J Hum Comput Interact*, pp. 1–15, doi: 10.1080/10447318.2023.2261725.
- [19] R. Masa'deh *et al.*, "Antecedents of adoption and usage of ChatGPT among Jordanian university students: Empirical study," *International Journal of Data and Network Science*, vol. 8, no. 2, pp. 1099–1110, 2024, doi: 10.5267/j.ijdns.2023.11.024.
- [20] H. Singh, M. H. Tayarani-Najaran, and M. Yaqoob, "Exploring Computer Science Students' Perception of ChatGPT in Higher Education: A Descriptive and Correlation Study," *Educ Sci (Basel)*, vol. 13, no. 9, Sep. 2023, doi: 10.3390/educsci13090924.
- [21] Y. Shaengchart, N. Bhumpenpein, K. Kongnakorn, P. Khwannu, A. Tiwtakul, and S. Detmee, "Factors Influencing the Acceptance of ChatGPT Usage Among Higher Education Students in Bangkok, Thailand," *Advance Knowledge for Executives (AKE)*, vol. 2, no. 4, 2023.
- [22] T. Dube, R. Van Eck, and T. Zuva, "Review of Technology Adoption Models and Theories to Measure Readiness and Acceptable Use of Technology in a Business Organization," *Journal of Information Technology and Digital World*, vol. 02, no. 04, pp. 207–212, Dec. 2020, doi: 10.36548/jitdw.2020.4.003.
- [23] A. Taufik, S. Kom, M. Bernadus Gunawan Sudarsono, and M. Kom, *Pengantar Teknologi Informasi*. 2022.
- [24] dan Muhammad Yamin, "PENDIDIKAN BERBASIS TEKNOLOGI INFORMASI DAN KOMUNIKASI," 2019.

- [25] E. Saurabh Sharma, A. Goyal, S. Singh, and P. Chand Sharma, “The Role of Information Technology in the Business Sector,” 2020.
- [26] L. Huang, “The Widespread Application of Artificial Intelligence in Education Necessitates Critical Analyses,” *Science Insights Education Frontiers*, vol. 16, no. 2, pp. 2577–2587, Jun. 2023, doi: 10.15354/sief.23.re202.
- [27] Y. Sirinti Pongtambing *et al.*, “Peluang dan Tantangan Kecerdasan Buatan Bagi Generasi Muda,” *Jurnal Pengabdian Masyarakat*, vol. 3, no. 1, 2023, doi: 10.35746/bakwan.
- [28] R. M. Abdullah, H. D. I. Masseh, A. Salihi, and B. M. Faraj, “Unleashing the Power of OpenAI in Shaping the Future of Cancer Research,” *BioMed Target Journal*, vol. 1, no. 1, pp. 2–11, Jun. 2023, doi: 10.59786/bmtj.112.
- [29] G. F. Avisyah, I. J. Putra, and S. S. Hidayat, “Open Artificial Intelligence Analysis using ChatGPT Integrated with Telegram Bot,” *Jurnal ELTIKOM*, vol. 7, no. 1, pp. 60–66, Jun. 2023, doi: 10.31961/eltikom.v7i1.724.
- [30] A. Setiawan and U. K. Luthfiyani, “Penggunaan ChatGPT Untuk Pendidikan di Era Education 4.0: Usulan Inovasi Meningkatkan Keterampilan Menulis,” *Jurnal PETISI*, vol. 04, no. 01, 2023, [Online]. Available: <https://chat.openai.com>.
- [31] A. Bhattacherjee, “Acceptance of e-commerce services: the case of electronic brokerages,” *IEEE Transactions on Systems, Man, and Cybernetics - Part A: Systems and Humans*, vol. 30, no. 4, pp. 411–420, 2000, doi: 10.1109/3468.852435.
- [32] J. Yu, I. Ha, M. Choi, and J. Rho, “Extending the TAM for a t-commerce,” *Information & Management*, vol. 42, no. 7, pp. 965–976, Oct. 2005, doi: 10.1016/j.im.2004.11.001.
- [33] C. Autry, S. Grawe, P. Daugherty, and R. Richey, “The Effects of Technological Turbulence and Breadth on Supply Chain Technology Acceptance and Adoption,” *Journal of Operations Management*, vol. 28, pp. 522–536, Nov. 2010, doi: 10.1016/j.jom.2010.03.001.
- [34] C. Martins, T. Oliveira, and A. Popović, “Understanding the Internet banking

- adoption: A unified theory of acceptance and use of technology and perceived risk application,” *Int J Inf Manage*, vol. 34, no. 1, pp. 1–13, 2014, doi: <https://doi.org/10.1016/j.ijinfomgt.2013.06.002>.
- [35] E. Karahanna and D. W. Straub, “The psychological origins of perceived usefulness and ease-of-use,” *Information & Management*, vol. 35, no. 4, pp. 237–250, Apr. 1999, doi: 10.1016/S0378-7206(98)00096-2.
- [36] D. A. Adams, R. R. Nelson, and P. A. Todd, “Perceived Usefulness, Ease of Use, and Usage of Information Technology: A Replication,” *MIS Quarterly*, vol. 16, no. 2, pp. 227–247, 1992, doi: 10.2307/249577.
- [37] M. A. Al-Sharafi, R. Abdullah Arshah, E. Abu-Shanab, and N. Elayah, “The Effect Of Security And Privacy Perceptions On Customers’ Trust To Accept Internet Banking Services: An Extension Of TAM,” *Journal of Engineering and Applied Sciences*, vol. 11, pp. 545–552, Jan. 2016, doi: 10.3923/jeasci.2016.545.552.
- [38] I. Ajzen and M. Fishbein, “Attitudes and normative beliefs as factors influencing behavioral intentions.,” *J Pers Soc Psychol*, vol. 21, no. 1, pp. 1–9, Jan. 1972, doi: 10.1037/h0031930.
- [39] S. F. Amiri Aghdaie, S. Fathi, and A. Piraman, “An Analysis of Factors Affecting the Consumer’s Attitude of Trust and their Impact on Internet Purchasing Behavior,” *International Journal of Business and Social Science*, vol. 2, pp. 147–158, Jan. 2011.
- [40] A. Bhattacherjee and G. Premkumar, “Understanding Changes in Belief and Attitude toward Information Technology Usage: A Theoretical Model and Longitudinal Test,” *MIS Quarterly*, vol. 28, no. 2, pp. 229–254, 2004, doi: 10.2307/25148634.
- [41] B. Ferede, J. Elen, W. Van Petegem, A. B. Hunde, and K. Goeman, “A structural equation model for determinants of instructors’ educational ICT use in higher education in developing countries: Evidence from Ethiopia,” *Comput Educ*, vol. 188, p. 104566, Oct. 2022, doi: 10.1016/j.compedu.2022.104566.
- [42] A. Kim and E. Ko, “The impact of design characteristics on brand attitude

- and purchase intention: focus on luxury fashion brands,” *J Korean Soc Clothing Text*, vol. 34, pp. 252–265, Feb. 2010, doi: 10.5850/JKSCT.2010.34.2.252.
- [43] S. Basak, D. Govender, and I. Govender, *Examining the impact of privacy, Security, and trust on the TAM and TTF models for e-commerce consumers: A pilot study*. 2016. doi: 10.1109/PST.2016.7906922.
- [44] S. Wu *et al.*, “BloombergGPT: A Large Language Model for Finance,” Mar. 2023, [Online]. Available: <http://arxiv.org/abs/2303.17564>
- [45] J. Garcia-Alfaro, G. Navarro-Arribas, H. Hartenstein, and J. Herrera-Joancomartí, *Data privacy management, Cryptocurrencies and Blockchain Technology*. 2017.
- [46] K. J. Patel and H. J. Patel, “Adoption of internet banking services in Gujarat,” *International Journal of Bank Marketing*, vol. 36, no. 1, pp. 147–169, Feb. 2018, doi: 10.1108/IJBM-08-2016-0104.
- [47] D.-H. Shin, “The effects of trust, security and privacy in social networking: A security-based approach to understand the pattern of adoption,” *Interact Comput*, vol. 22, no. 5, pp. 428–438, 2010, doi: <https://doi.org/10.1016/j.intcom.2010.05.001>.
- [48] Y. Malhotra and D. F. Galletta, “Extending the technology acceptance model to account for social influence: theoretical bases and empirical validation,” in *Proceedings of the 32nd Annual Hawaii International Conference on Systems Sciences. 1999. HICSS-32. Abstracts and CD-ROM of Full Papers*, 1999, pp. 14 pp.-. doi: 10.1109/HICSS.1999.772658.
- [49] Y. Sidi, T. Shamir-Inbal, and Y. Eshet-Alkalai, “From face-to-face to online: Teachers’ perceived experiences in online distance teaching during the Covid-19 pandemic,” *Comput Educ*, vol. 201, p. 104831, Aug. 2023, doi: 10.1016/j.compedu.2023.104831.
- [50] W. Crano and R. Prislin, “Attitudes and Persuasion,” *Annu Rev Psychol*, vol. 57, pp. 345–374, Feb. 2006, doi: 10.1146/annurev.psych.57.102904.190034.
- [51] R. Falcone and C. Castelfranchi, “Social Trust: A Cognitive Approach,” in *Trust and Deception in Virtual Societies*, C. Castelfranchi and Y.-H. Tan,

- Eds., Dordrecht: Springer Netherlands, 2001, pp. 55–90. doi: 10.1007/978-94-017-3614-5_3.
- [52] J. Kim and A. Gambino, “Do we trust the crowd or information system? Effects of personalization and bandwagon cues on users’ attitudes and behavioral intentions toward a restaurant recommendation website,” *Comput Human Behav*, vol. 65, pp. 369–379, 2016, doi: <https://doi.org/10.1016/j.chb.2016.08.038>.
- [53] H. L. Harvey, S. K. Parahoo, S. Mumtaz, D. Badran, and K. B. Hani, “INVESTIGATING INDIVIDUAL AND SITUATIONAL FACTORS INFLUENCING ACADEMIC INTEGRITY: AN EMPIRICAL STUDY AMONG MEDICAL STUDENTS.” [Online]. Available: www.scientific-publications.net
- [54] H. J. Passow, M. J. Mayhew, C. J. Finelli, T. S. Harding, and D. D. Carpenter, “Factors influencing engineering students’ decisions to cheat by type of assessment,” *Res High Educ*, vol. 47, no. 6, pp. 643–684, Sep. 2006, doi: 10.1007/s11162-006-9010-y.
- [55] F. K. Y. Chan, J. Y. L. Thong, S. A. Brown, and V. Venkatesh, “Service Design and Citizen Satisfaction with E-Government Services: A Multidimensional Perspective,” *Public Adm Rev*, vol. 81, no. 5, pp. 874–894, Sep. 2021, doi: 10.1111/puar.13308.
- [56] A. M. Hasanein and A. E. E. Sobaih, “Drivers and Consequences of ChatGPT Use in Higher Education: Key Stakeholder Perspectives,” *Eur J Investig Health Psychol Educ*, vol. 13, no. 11, pp. 2599–2614, Nov. 2023, doi: 10.3390/ejihpe13110181.
- [57] Y. D. Handarkho, Y. Harjoseputro, J. E. Samodra, and A. B. P. Irianto, “Understanding proximity mobile payment continuance usage in Indonesia from a habit perspective,” *Journal of Asia Business Studies*, vol. 15, no. 3, pp. 420–440, 2021, doi: 10.1108/JABS-02-2020-0046.
- [58] P. Istiqomah and L. Alfansi, “Navigating Style: Exploring the Influence of Perceived Benefit and Perceived Ease of Use on Attitude Towards Use in AI-Enhanced Fashion E-Commerce,” *Journal of Entrepreneurship and*

- Business*, vol. 5, no. 1, pp. 1–14, Dec. 2023, doi: 10.24123/jeb.v5i1.6070.
- [59] M. Bodimani, “Assessing The Impact of Transparent Ai Systems in Enhancing User Trust and Privacy”, doi: 10.55662/JST.2024.5102.
- [60] T. Wu, M. Terry, and C. J. Cai, “AI Chains: Transparent and Controllable Human-AI Interaction by Chaining Large Language Model Prompts,” in *Conference on Human Factors in Computing Systems - Proceedings*, Association for Computing Machinery, Apr. 2022. doi: 10.1145/3491102.3517582.
- [61] M. Striepe, S. Thomson, and L. Sefcik, “Understanding Academic Integrity Education: Case Studies from Two Australian Universities,” *J Acad Ethics*, vol. 21, no. 1, pp. 1–17, Mar. 2023, doi: 10.1007/s10805-021-09429-x.

