

## DAFTAR PUSTAKA

- Ajlouni, A., AlOmary, A., Wahba, F. A.-A., Al-Kubaisi, H., & Ibrahim, A. (2025). The Intensity of Using ChatGPT in Relation to Academic Stress: A Cross-Sectional Study. *International Journal of Interactive Mobile Technologies (iJIM)*, 19(17), 81–100. <https://doi.org/10.3991/ijim.v19i17.56495>
- Ajlouni, A. O., Abu-Shawish, R. K., Silim, D. M., & Ibrahim, A. H. (2024). The Academic Intensity Use of Chatbot-Based Artificial Intelligence and Its Relation to Academic Well-Being: A Correlational Study at the University of Jordan. *International Journal of Engineering Pedagogy*, 14(8), 72. <https://doi.org/10.3991/ijep.v14i8.50339>
- Almondés, K. M. D., Castro, E. D. A. S., & Paiva, T. (2022). Sleep Habits, Quality of Life and Psychosocial Aspects in the Older Age: Before and During COVID-19. *Frontiers in Neuroscience*, 16. <https://doi.org/10.3389/fnins.2022.694894>
- Amadi, K., Odinka, J., Obiechina, K., Ofoefuna, C., Chukwu, U., & Aguocha, C. (2023). Improving the Quality of Life of People Living with HIV/AIDS: A Cross-Sectional Study of the Role of Religion. *Nigerian Journal of Clinical Practice*, 26(5), 574–580. [https://doi.org/10.4103/njcp.njcp\\_309\\_22](https://doi.org/10.4103/njcp.njcp_309_22)
- Arnout, B. A. (2024). Quality of Life: The Concept and Interventions. In J. Mullings, T. Paul, L. Dunn, S. Arbor, J. Meeks-Gardner, & T. Arbor (Eds.),

*Sustainable Development* (Vol. 14). IntechOpen.  
<https://doi.org/10.5772/intechopen.108610>

Astiarani, Y., Kristian, K., Ekaputra, A., & Hardi, N. (2024). Factors on Medical Clerkship Students' Quality of Life: A Survey Study. *Journal of Public Health Research*, 13(4), 1–7. <https://doi.org/10.1177/22799036241301705>

Ayanouz, S., Abdelhakim, B. A., & Benhmed, M. (2020). A Smart Chatbot Architecture based NLP and Machine Learning for Health Care Assistance. *Proceedings of the 3rd International Conference on Networking, Information Systems & Security*, 1–6. <https://doi.org/10.1145/3386723.3387897>

Barros, R., Ohnuma, A. A., & Manso, M. C. (2024). Self-Perceived Quality of Life (WHOQOL-Bref), and Self-Reported Health, Social and Environmental Factors Related to Its Improvement among Residents of Anil, Rio de Janeiro—Cross-Sectional Study. *Healthcare*, 12(15), 1520. <https://doi.org/10.3390/healthcare12151520>

Belkacem, A. N., Jamil, N., Palmer, J. A., Ouhbi, S., & Chen, C. (2020). Brain Computer Interfaces for Improving the Quality of Life of Older Adults and Elderly Patients. *Frontiers in Neuroscience*, 14, 692. <https://doi.org/10.3389/fnins.2020.00692>

Ben-Nun, L. (2019). *Quality of Life*. B. N. Publication House.

- Braga, J. D., Thongngam, M., & Kumrungsee, T. (2024). Gamma-Aminobutyric Acid as a Potential Postbiotic Mediator in the Gut–Brain Axis. *Npj Science of Food*, 8(1), 16. <https://doi.org/10.1038/s41538-024-00253-2>
- Bratu, M. L., Sandesc, D., Anghel, T., Tudor, R., Shaaban, L., Ali, A., Toma, A.-O., Bratosin, F., Turcu, I., Gantsa, A., Fericean, R. M., Bondrescu, M., & Barata, P. I. (2023). Evaluating the Aspects of Quality of Life in Individuals with Substance Use Disorder: A Systematic Review Based on the WHOQOL Questionnaire. *Journal of Multidisciplinary Healthcare, Volume 16*, 4265–4278. <https://doi.org/10.2147/JMDH.S440764>
- Dahlan, M. S. (2018). *Langkah-Langkah Membuat Proposal Penelitian Bidang Kedokteran dan Kesehatan* (2nd ed.). Sagung Seto.
- De Vries, L. P., Van De Weijer, M. P., & Bartels, M. (2022). The Human Physiology of Well-Being: A Systematic Review on the Association between Neurotransmitters, Hormones, Inflammatory Markers, the Microbiome and Well-Being. *Neuroscience & Biobehavioral Reviews*, 139. <https://doi.org/10.1016/j.neubiorev.2022.104733>
- De Vries, L. P., Van De Weijer, M. P., & Bartels, M. (2023). A Systematic Review of the Neural Correlates of Well-Being Reveals No Consistent Associations. *Neuroscience & Biobehavioral Reviews*, 145. <https://doi.org/10.1016/j.neubiorev.2023.105036>

- Fayzah, M., Ayu, D., Aprilia, Y., Salsabila, D., Aulia, M., Ratnawati, E., Salma, N., Ismailatul, S., & Andre, D. (2024). Hubungan Kesehatan Mental Dengan Kualitas Hidup Mahasiswa Semester Akhir. *Jurnal Aliansi Keperawatan Indonesia*, 1(2), 67–74. <https://doi.org/10.55887/jaki.v1i2.7>
- Hall, J. E., & Hall, M. E. (2021). *Guyton and Hall Textbook of Medical Physiology* (14th edition). Elsevier.
- He, Y., Yang, L., Qian, C., Li, T., Su, Z., Zhang, Q., & Hou, X. (2023). Conversational Agent Interventions for Mental Health Problems: Systematic Review and Meta-analysis of Randomized Controlled Trials. *Journal of Medical Internet Research*, 25, 1–25. <https://doi.org/10.2196/43862>
- Heffner, J., Qin, C., Chadwick, M., Knutsen, C., Summerfield, C., Kurth-Nelson, Z., & Rutledge, R. B. (2025). Increasing Happiness through Conversations with Artificial Intelligence. *arXiv Preprint*. <https://doi.org/10.48550/arXiv.2504.02091>
- Hermawan, A. (2024). Kaitan antara Kebiasaan Makan Tidak Teratur dan Kesehatan Mental pada Mahasiswa. *Jurnal Mitra Sehat*, 14(2), 737–741.
- Hiraga, T., Hata, T., Soya, S., Shimoda, R., Takahashi, K., Soya, M., Inoue, K., Johansen, J. P., Okamoto, M., & Soya, H. (2024). Light-Exercise-Induced Dopaminergic and Noradrenergic Stimulation in the Dorsal Hippocampus:

Using a Rat Physiological Exercise Model. *The FASEB Journal*, 38(24), e70215. <https://doi.org/10.1096/fj.202400418RRR>

Jabkowski, P., Domaradzki, J., & Walkowiak, D. (2025). Quality of Life among Family Caregivers of Individuals with Rare Diseases: Web-Based Population Study on the Validity and Reliability of the Polish World Health Organization Quality of Life-BREF Questionnaire. *JMIR Public Health and Surveillance*, 11, e72590–e72590. <https://doi.org/10.2196/72590>

Kangwanrattanakul, K., & Kulthanachairojana, N. (2024). Modern Psychometric Evaluation of Thai WHOQOL-BREF and Its Shorter Versions in Patients Undergoing Warfarin in Thailand: Rasch Analysis. *Scientific Reports*, 14(1). <https://doi.org/10.1038/s41598-024-71048-4>

Kim, M., Lee, S., Kim, S., Heo, J., Lee, S., Shin, Y.-B., Cho, C.-H., & Jung, D. (2025). Therapeutic Potential of Social Chatbots in Alleviating Loneliness and Social Anxiety: Quasi-Experimental Mixed Methods Study. *Journal of Medical Internet Research*, 27, e65589. <https://doi.org/10.2196/65589>

Kumar, R., & Ali, M. M. (2020). A Review on Chatbot Design and Implementation Techniques. *International Research Journal of Engineering and Technology*, 07(02), 2791–2800.

Labadze, L., Grigolia, M., & Machaidze, L. (2023). Role of AI Chatbots in Education: Systematic Literature Review. *International Journal of*

*Educational Technology in Higher Education*, 20(1).

<https://doi.org/10.1186/s41239-023-00426-1>

Liem, A., Chih, H. J., Velaithan, V., Norman, R., Reidpath, D., & Su, T. T. (2025).

A Comparison of Health-Related Quality of Life Using the World Health Organization Quality of Life–BREF and 5-Level EuroQol-5 Dimensions in the Malaysian Population. *Osong Public Health and Research Perspectives*, 16(2), 126–140. <https://doi.org/10.24171/j.phrp.2024.0076>

Liu, H., Peng, H., Song, X., Xu, C., & Zhang, M. (2022). Using AI Chatbots to

Provide Self-Help Depression Interventions for University Students: A Randomized Trial of Effectiveness. *Internet Interventions*, 27. <https://doi.org/10.1016/j.invent.2022.100495>

López-Ruiz, V.-R., Huete-Alcocer, N., Alfaro-Navarro, J.-L., & Nevado-Peña, D.

(2021). The Relationship between Happiness and Quality of Life: A Model for Spanish Society. *PLOS ONE*, 16(11), e0259528. <https://doi.org/10.1371/journal.pone.0259528>

M., S. A., Fattah, N., Mulyadi, F. E., Rasfayanah, & Aisyah, W. N. (2025).

Gambaran Derajat Kecemasan Mahasiswa Menghadapi Ujian di Fakultas Kedokteran Universitas Muslim Indonesia. *Jurnal Kedokteran Mulawarman*, 12(1), 34–43.

- Mahin, M. I., Rahman, Md. S., Rahman, S. M., Ilias, F. B., Hasan, Md. M., Akter, M., & Mredul, A. R. (2025). Factors Impacting University Students' Quality of Life. *PLOS One*, *20*(8). <https://doi.org/10.1371/journal.pone.0329851>
- Marwi, H. C., & Saptadi, N. T. S. (2024). Comparative Analysis of Artificial Intelligence Chatbot Performance. *Journal of Embedded Systems, Security and Intelligent Systems*, *5*(2), 119–130. <https://doi.org/10.59562/jessi.v5i2.2986>
- Mutiarrama, Z. S., Darajatunnisa, R., Faustina, F., Mahfuzhah, N., & Wihita, A. R. (2024). Studi Fenomenologi: Pengalaman Generasi Z dalam Menghadapi Kesepian dengan Character Artificial Intelligence. *Jurnal Empati*, *13*(4), 291–301.
- My, M., Fitriani, S., Santri, D. D., & Chaniago, F. (2025). Manajemen Stres Semester Akhir: Memahami Dampaknya pada Kualitas Hidup dan Kesejahteraan Mental Mahasiswa. *Didaktika: Jurnal Kependidikan*, *14*(2), 2913–2926.
- Naiyar, I., Masud, R., Ashfaq, A., Faheem, A., Anjum, A. F., & Hashmi, S. N. (2023). Factors Affecting Quality of Life (QOL) in Students during Study in Medical Institution. *The Professional Medical Journal*, *30*(10), 1355–1361. <https://doi.org/10.29309/TPMJ/2023.30.10.7632>
- Nashir, M. H., Wirakusumah, T. K., & Erlandia, D. R. (2024). Hubungan Penggunaan ChatGPT dengan Pemenuhan Kebutuhan Mahasiswa. *Filosofi*:

*Publikasi Ilmu Komunikasi, Desain, Seni Budaya*, 1(1), 129–139.  
<https://doi.org/10.62383/filosofi.v1i1.57>

Norsely, F., Arviani, H., & Achmad, Z. A. (2023). Pengalaman Interaksi Pengguna Remaja Curhat dengan ChatGPT. *Komunikologi: Jurnal Pengembangan Ilmu Komunikasi dan Sosial*, 7(2), 120.  
<https://doi.org/10.30829/komunikologi.v7i2.16653>

Nurjaman, M. F. (2021). *Gambaran Kualitas Hidup (Quality of Life) Mahasiswa Profesi Fakultas Keperawatan Universitas Padjajaran* [Universitas Padjajaran]. <https://repository.upad.ac.id/handle/kandaga/220110166003>

Nurzahirah, R., Aulia, V., Martino, H., Rosaria, R., & Sjalini, N. (2024). Stres Akademik sebagai Mediator Kualitas Hidup Mahasiswa. *Educate: Journal of Education and Learning*, 2(2), 50–60.  
<https://doi.org/10.61994/educate.v2i2.343>

Nyakhar, S., & Wang, H. (2025). Effectiveness of Artificial Intelligence Chatbots on Mental Health & Well-Being in College Students: A Rapid Systematic Review. *Frontiers in Psychiatry*, 16.  
<https://doi.org/10.3389/fpsy.2025.1621768>

Pasha, I. I. (2018). *Peran Kesenian terhadap Stres Akademik pada Mahasiswa yang Sedang Mengerjakan Skripsi di Universitas X*. Universitas Sriwijaya.

- Pereira, D. S. M., Falcão, F., Costa, L., Lunn, B. S., Pêgo, J. M., & Costa, P. (2023). Here's to the Future: Conversational Agents in Higher Education- A Scoping Review. *International Journal of Educational Research*, 122. <https://doi.org/10.1016/j.ijer.2023.102233>
- Reyes-Portillo, J. A., So, A., McAlister, K., Nicodemus, C., Golden, A., Jacobson, C., & Huberty, J. (2025). Generative AI–Powered Mental Wellness Chatbot for College Student Mental Wellness: Open Trial. *JMIR Formative Research*, 9. <https://doi.org/10.2196/71923>
- Romaní-Pérez, M., Bullich-Vilarrubias, C., López-Almela, I., Liébana-García, R., Olivares, M., & Sanz, Y. (2021). The Microbiota and the Gut–Brain Axis in Controlling Food Intake and Energy Homeostasis. *International Journal of Molecular Sciences*, 22(11), 5830. <https://doi.org/10.3390/ijms22115830>
- Schillings, C., Meissner, D., Erb, B., Schultchen, D., Bendig, E., & Pollatos, O. (2023). A Chatbot-Based Intervention with ELME to Improve Stress and Health-Related Parameters in a Stressed Sample: Study Protocol of a Randomised Controlled Trial. *Frontiers in Digital Health*, 5. <https://doi.org/10.3389/fdgth.2023.1046202>
- Schober, P., Boer, C., & Schwarte, L. A. (2018). Correlation Coefficients: Appropriate Use and Interpretation. *Anesthesia & Analgesia*, 126(5), 1763–1768. <https://doi.org/10.1213/ANE.0000000000002864>

- Stöhr, C., Ou, A. W., & Malmström, H. (2024). Perceptions and Usage of AI Chatbots among Students in Higher Education across Genders, Academic Levels and Fields of Study. *Computers and Education: Artificial Intelligence*, 7, 100259. <https://doi.org/10.1016/j.caeai.2024.100259>
- Suharmanto. (2024a). Hubungan antara Academic Burnout dengan Kualitas Hidup pada Mahasiswa. *Jurnal Kesehatan Tropis Indonesia*, 2(4), 182–188.
- Suharmanto. (2024b). Hubungan antara Dukungan Sosial dengan Kualitas Hidup pada Mahasiswa di Fakultas Kedokteran Universitas Lampung. *Jurnal Kesehatan Tropis Indonesia*, 2(4), 193–200.
- Suharmanto. (2025). Relationship Between Physical Activity and Quality of Life of Students. *Jurnal Kedokteran Universitas Lampung*, 9(1), 17–22.
- Suprihartini, Y., Rahayu, D. A., Utama, I. W. K., Suwarma, D. M., Marlina, & Irawan. (2025). Analisis Penggunaan Chatbot Berbasis AI sebagai Asisten Virtual dalam Pembelajaran Daring. *Jurnal Review Pendidikan Dan Pengajaran*, 8(2), 4778–4784.
- Szegedi, K., Györi, Z., & Juhász, T. (2024). Factors Affecting Quality of Life and Learning-Life Balance of University Students in Business Higher Education. *Humanities and Social Sciences Communications*, 11(1), 113. <https://doi.org/10.1057/s41599-024-02603-7>

- Tashila, H. A. (2024). *Faktor-Faktor yang Berhubungan dengan Tingkat Stres pada Mahasiswa Kedokteran UPN “Veteran” Jakarta*. Universitas Pembangunan Nasional “Veteran” Jakarta.
- Terania, M. M. (2025). *Perbedaan Burnout dan Kualitas Hidup pada Mahasiswa Fakultas Kedokteran Tiap Angkatan*. Universitas Islam Sultan Agung.
- Torres, Z., Oliver, A., & Tomás, J. M. (2024). Understanding the Effect of Loneliness on Quality of Life in Older Adults from Longitudinal Approaches. *Psychosocial Intervention*, 33(3), 171–178. <https://doi.org/10.5093/pi2024a11>
- Tortora, G. J., & Derrickson, B. (2017). *Principles of Anatomy & Physiology* (15th ed.). Wiley.
- Verdugo, M. Á., & Schalock, R. L. (2024). From a Concept to a Theory: The Six Eras of Quality of Life Research and Application. *Research in Developmental Disabilities*, 150, 104763. <https://doi.org/10.1016/j.ridd.2024.104763>
- Wahyudi, Panjaitan, A. N., Putri, A. S., Bara, F. S. B., Winfi, R. A., & Sembiring, Y. V. (2025). Hubungan Aktivitas Fisik dengan Kualitas Tidur pada Remaja di Indonesia: Studi Literatur. *Jurnal Kesehatan Tambusai*, 6(2).
- Wen, Y., Wang, D., Zhou, M., Zhou, Y., Guo, Y., & Chen, W. (2019). Potential Effects of Lung Function Reduction on Health-Related Quality of Life.

*International Journal of Environmental Research and Public Health*, 16(2),  
260. <https://doi.org/10.3390/ijerph16020260>

Witjaksana, A. F., Emmy Amalia, & Setyorini, R. H. (2022). Hubungan antara Perilaku Bullying dengan Kualitas Hidup pada Mahasiswa Pendidikan Dokter Tahun ke 4 di Fakultas Kedokteran Universitas Mataram. *Lombok Medical Journal*, 1(1), 43–47. <https://doi.org/10.29303/lmj.v1i1.553>

Yusron, A. A. (2024). *Pengaruh Self Efficacy terhadap Penggunaan Chat Bot AI (Artificial Intelligency) dalam Pengerjaan Tugas Mahasiswa Psikologi Angkatan 2020 UIN Maulana Malik Ibrahim Malang*. Universitas Islam Negeri Maulana Malik Ibrahim.

Zaky, Y. A. M. (2023). Chatbot Positive Design to Facilitate Referencing Skills and Improve Digital Well-Being. *International Journal of Interactive Mobile Technologies (iJIM)*, 17(09), 106–126. <https://doi.org/10.3991/ijim.v17i09.38395>

Zhang, Y., Zhao, D., Hancock, J. T., Kraut, R., & Yang, D. (2025). *The Rise of AI Companions: How Human-Chatbot Relationships Influence Well-Being* (No. arXiv:2506.12605). arXiv. <https://doi.org/10.48550/arXiv.2506.12605>

Zhou, M., Li, F., Wang, Y., Chen, S., & Wang, K. (2020). Compensatory Social Networking Site Use, Family Support, and Depression Among College Freshman: Three-Wave Panel Study. *Journal of Medical Internet Research*, 22(9). <https://doi.org/10.2196/18458>