DAFTAR PUSTAKA

- [1] U. Nations, "Population." Accessed: Dec. 25, 2022. [Online]. Available: https://www.un.org/en/global-issues/population
- [2] B. P. Statistik, "Jumlah Penduduk Pertengahan Tahun (Ribu Jiwa), 2020-2022." Accessed: Dec. 26, 2022. [Online]. Available: https://www.bps.go.id/indicator/12/1975/1/jumlah-penduduk-pertengahantahun.html
- [3] B. P. Statistik, "Jumlah Penduduk Menurut Kelompok Umur dan Jenis Kelamin, 2021." Accessed: Dec. 26, 2022. [Online]. Available: https://www.bps.go.id/indikator/indikator/view_data_pub/0000/api_pub/YW40a 21pdTU1cnJxOGt6dm43ZEdoZz09/da_03/1
- [4] F. Oktariano and H. Hastuti, "Buku Panduan penulisan Esai Berdasarkan Analisis Historical Thinking," vol. 2, no. 4, 2020.
- [5] E. Amorim, M. Cançado, and A. Veloso, "Automated Essay Scoring in the Presence of Biased Ratings," in *Proceedings of the 2018 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies, Volume 1 (Long Papers)*, New Orleans, Louisiana: Association for Computational Linguistics, 2018, pp. 229–237. doi: 10.18653/v1/N18-1021.
- [6] D. Fortunato and J. Bernardino, "Progressive web apps: An alternative to the native mobile Apps," in 2018 13th Iberian Conference on Information Systems and Technologies (CISTI), Caceres: IEEE, Jun. 2018, pp. 1–6. doi: 10.23919/CISTI.2018.8399228.
- [7] M. M. Moe and University of Computer Studies, Hpa-An, Kayin State, Myanmar, "Comparative Study of Test-Driven Development TDD, Behavior-Driven Development BDD and Acceptance Test-Driven Development ATDD," *Int. J. Trend Sci. Res. Dev.*, vol. Volume-3, no. Issue-4, pp. 231–234, Jun. 2019, doi: 10.31142/ijtsrd23698.
- [8] B. George and L. Williams, "A structured experiment of test-driven development," *Inf. Softw. Technol.*, vol. 46, no. 5, pp. 337–342, Apr. 2004, doi: 10.1016/j.infsof.2003.09.011.
- [9] J. B. Ibarra *et al.*, "Development of the Low Cost Classroom Response System Using Test-Driven Development Approach and Analysis of the Adaptive Capability of Students Using Sequential Minimal Optimization Algorithm," in 2019 IEEE 6th International Conference on Industrial Engineering and Applications (ICIEA), Tokyo, Japan: IEEE, Apr. 2019, pp. 689–693. doi: 10.1109/IEA.2019.8714889.
- [10] H. K. N. Leung and L. White, "A study of integration testing and software regression at the integration level," in *Proceedings. Conference on Software Maintenance 1990*, San Diego, CA, USA: IEEE Comput. Soc. Press, 1990, pp. 290–301. doi: 10.1109/ICSM.1990.131377.
- [11] D. Pal and V. Vanijja, "Perceived usability evaluation of Microsoft Teams as an online learning platform during COVID-19 using system usability scale and technology acceptance model in India," *Child. Youth Serv. Rev.*, vol. 119, p. 105535, Dec. 2020, doi: 10.1016/j.childyouth.2020.105535.

- [12] P. Vlachogianni and N. Tselios, "Perceived usability evaluation of educational technology using the System Usability Scale (SUS): A systematic review," *J. Res. Technol. Educ.*, vol. 54, no. 3, pp. 392–409, May 2022, doi: 10.1080/15391523.2020.1867938.
- [13] J. R. Lewis, "Psychometric Evaluation of the PSSUQ Using Data from Five Years of Usability Studies," *Int. J. Hum.-Comput. Interact.*, vol. 14, no. 3–4, pp. 463–488, Sep. 2002, doi: 10.1080/10447318.2002.9669130.
- [14] U. Ependi, T. B. Kurniawan, and F. Panjaitan, "SYSTEM USABILITY SCALE VS HEURISTIC EVALUATION: A REVIEW," *Simetris J. Tek. Mesin Elektro Dan Ilmu Komput.*, vol. 10, no. 1, pp. 65–74, Apr. 2019, doi: 10.24176/simet.v10i1.2725.
- [15] T. Hidayat and M. Muttaqin, "Pengujian Sistem Informasi Pendaftaran dan Pembayaran Wisuda Online menggunakan Black Box Testing dengan Metode Equivalence Partitioning dan Boundary Value Analysis," vol. 6, 2018.
- [16] xinyu chang and jing Li, "Improvement of Excel data processing function based on Spring MVC framework," in *Third International Conference on Computer Science and Communication Technology (ICCSCT 2022)*, Y. Lu and C. Cheng, Eds., Beijing, China: SPIE, Dec. 2022, p. 25. doi: 10.1117/12.2661778.
- [17] I. Glantz and H. Hurtig, "Express.js and Ktor web server performance A comparative study".
- [18] D. Smilkov *et al.*, "TensorFlow.js: Machine Learning for the Web and Beyond".
- [19] S. L. Ingólfsdóttir, H. Loftsson, J. F. Daðason, and K. Bjarnadóttir, "Nefnir: A high accuracy lemmatizer for Icelandic." arXiv, Jul. 27, 2019. Accessed: Jan. 05, 2023. [Online]. Available: http://arxiv.org/abs/1907.11907
- [20] B. Jose and S. Abraham, "Performance analysis of NoSQL and relational databases with MongoDB and MySQL," *Mater. Today Proc.*, vol. 24, pp. 2036–2043, 2020, doi: 10.1016/j.matpr.2020.03.634.
- [21] C. Kaner, "An Introduction to Scenario Testing".
- [22] G. Steinfeld, "5 steps of test-driven development," *IBM Developer*, Feb. 06, 2020. Accessed: Jan. 30, 2023. [Online]. Available: https://developer.ibm.com/articles/5-steps-of-test-driven-development/
- [23] Institut Teknologi Sepuluh Nopember *et al.*, "A Different Approach on Automated Use Case Diagram Semantic Assessment," *Int. J. Intell. Eng. Syst.*, vol. 14, no. 1, pp. 496–505, Feb. 2021, doi: 10.22266/ijies2021.0228.46.
- [24] Dept. of Computer Science & Engineering, BITM, VTU, Ballari, India., Dr. R. N. Kulkarni, C. K. Srinivasa, and Dept. of Computer Science & Engineering, BITM, VTU, Ballari, India., "Novel approach to transform UML Sequence diagram to Activity diagram," *J. Univ. Shanghai Sci. Technol.*, vol. 23, no. 07, pp. 1247–1255, Jul. 2021, doi: 10.51201/JUSST/21/07300.
- [25] M. Shirole and R. Kumar, "Constrained permutation-based test scenario generation from concurrent activity diagrams," *Innov. Syst. Softw. Eng.*, vol. 17, no. 4, pp. 343–353, Dec. 2021, doi: 10.1007/s11334-021-00389-4.
- [26] A. Firdaus, S. Widodo, A. Sutrisman, S. G. F. Nasution, and R. Mardiana, "RANCANG BANGUN SISTEM INFORMASI PERPUSTAKAAN MENGGUNAKAN WEB SERVICE PADA JURUSAN TEKNIK KOMPUTER POLSRI," vol. 5, 2019.

- [27] A. Ismail and K. S. Kuppusamy, "Web accessibility investigation and identification of major issues of higher education websites with statistical measures: A case study of college websites," *J. King Saud Univ. Comput. Inf. Sci.*, vol. 34, no. 3, pp. 901–911, Mar. 2022, doi: 10.1016/j.jksuci.2019.03.011.
- [28] R. S. Malik, J. Patra, and M. Pradel, "NL2Type: Inferring JavaScript Function Types from Natural Language Information," in 2019 IEEE/ACM 41st International Conference on Software Engineering (ICSE), Montreal, QC, Canada: IEEE, May 2019, pp. 304–315. doi: 10.1109/ICSE.2019.00045.
- [29] M. Shcherbakov, M. Balliu, and C.-A. Staicu, "Silent Spring: Prototype Pollution Leads to Remote Code Execution in Node.js".
- [30] H. Brar, T. Kaur, and Y. Rajoria, "The Better Comparison between PHP, Python-web & Node.js," web ...
- [31] A. Romanelli, S. Serbout, and C. Pautasso, "ExpressO: From Express.js implementation code to OpenAPI interface descriptions".
- [32] G. Langdale and D. Lemire, "Parsing gigabytes of JSON per second," *VLDB J.*, vol. 28, no. 6, pp. 941–960, Dec. 2019, doi: 10.1007/s00778-019-00578-5.
- [33] S. Hamza, M. Sarosa, and P. B. Santoso, "Sistem Koreksi Soal Essay Otomatis Dengan Menggunakan Metode Rabin Karp," vol. 7, no. 2, 2013.
- [34] S. Burrows, I. Gurevych, and B. Stein, "The Eras and Trends of Automatic Short Answer Grading," *Int. J. Artif. Intell. Educ.*, vol. 25, no. 1, pp. 60–117, Mar. 2015, doi: 10.1007/s40593-014-0026-8.
- [35] J. Hao and T. K. Ho, "Machine Learning Made Easy: A Review of *Scikitlearn* Package in Python Programming Language," *J. Educ. Behav. Stat.*, vol. 44, no. 3, pp. 348–361, Jun. 2019, doi: 10.3102/1076998619832248.
- [36] P. Qi, Y. Zhang, Y. Zhang, J. Bolton, and C. D. Manning, "Stanza: A Python Natural Language Processing Toolkit for Many Human Languages." arXiv, Apr. 23, 2020. Accessed: Jan. 09, 2023. [Online]. Available: http://arxiv.org/abs/2003.07082
- [37] A. Bangor, P. T. Kortum, and J. T. Miller, "An Empirical Evaluation of the System Usability Scale," *Int. J. Hum.-Comput. Interact.*, vol. 24, no. 6, pp. 574–594, Jul. 2008, doi: 10.1080/10447310802205776.
- [38] M. E. Delamaro, J. C. Maidonado, and A. P. Mathur, "Interface Mutation: an approach for integration testing," *IEEE Trans. Softw. Eng.*, vol. 27, no. 3, pp. 228–247, Mar. 2001, doi: 10.1109/32.910859.
- [39] A. Popov, J. Bilokin, T. Solianyk, and K. Vasylchenko, "Development of the system to provide cross-browser compatibility of web application," in 2018 IEEE 9th International Conference on Dependable Systems, Services and Technologies (DESSERT), Kyiv, Ukraine: IEEE, May 2018, pp. 117–122. doi: 10.1109/DESSERT.2018.8409111.
- [40] K. Paltoglou, V. E. Zafeiris, N. A. Diamantidis, and E. A. Giakoumakis, "Automated refactoring of legacy JavaScript code to ES6 modules," *J. Syst. Softw.*, vol. 181, p. 111049, Nov. 2021, doi: 10.1016/j.jss.2021.111049.
- [41] A. Dearle, "Software Deployment, Past, Present and Future," in *Future of Software Engineering (FOSE '07)*, Minneapolis, MN: IEEE, May 2007, pp. 269–284. doi: 10.1109/FOSE.2007.20.
- [42] R. S. Hall, D. Heimbigner, and A. L. Wolf, "A Cooperative Approach to Support Software Deployment Using the Software Dock".