

DAFTAR PUSTAKA

- [1] P. Weichbroth, “applied sciences Usability Testing of Mobile Applications :,” *Appl. Sci.*, vol. 14, pp. 1–27, 2024.
- [2] E. Webber, “30+ Essential UX Stats for 2025 Strategy | Maze,” Maze. Accessed: Dec. 27, 2025. [Online]. Available: <https://maze.co/blog/ux-statistics/>
- [3] S. Çakırca, “150+ UX (User Experience) Statistics and Trends (Updated for 2025),” UserGuiding. Accessed: Dec. 27, 2025. [Online]. Available: <https://userguiding.com/blog/ux-statistics-trends?>
- [4] Z. Huang and M. Benyoucef, “A systematic literature review of mobile application usability: addressing the design perspective,” *Univers. Access Inf. Soc.*, vol. 22, no. 3, pp. 715–735, 2023, doi: 10.1007/s10209-022-00903-w.
- [5] A. Subiyakto *et al.*, “Investigating User Experience To Redesign User Interface Using User-Centered Design Approach,” *ICIC Express Lett. Part B Appl.*, vol. 13, no. 8, pp. 861–868, 2022, doi: 10.24507/icicelb.13.08.861.
- [6] G. Torenvliet, *The Design of Everyday Things*, vol. 15, no. 2. 2008. doi: 10.1145/1340961.1340979.
- [7] J. Salminen, S. Jung, A. Kamel, and B. J. Jansen, “Who is in the sample ? An analysis of real and surrogate users as participants in user study research in the information technology fields,” *PeerJ Comput. Sci.*, pp. 1–30, 2022, doi: 10.7717/peerj-cs.1136.
- [8] N. Kadek *et al.*, “Dampak Implementasi Hris (Human Resource Information System) Terhadap Kinerja Karyawan,” *J. Darma Agung*, no. 6, pp. 393–400, 2023, [Online]. Available: <https://dx.doi.org.10.46930/ojsuda.v3i1i6.3685>
- [9] Herwantaruna, N. I. Iriani, and I. Hidayat, “Penerapan Teknologi Hris (Human Resource Information System) Dalam Meningkatkan Produktivitas Kerja Karyawan Pada Favehotel Malang,” *J. Ris. Mhs. Ekon.*, vol. 7, no. 4, pp. 386–395, 2025, [Online]. Available: <https://journal.stieken.ac.id/index.php/ritmik/article/view/1021>
- [10] G. M. A. Ali Quaosar and M. S. Rahman, “Human Resource Information

- Systems (HRIS) of Developing Countries in 21st Century: Review and Prospects,” *J. Hum. Resour. Sustain. Stud.*, vol. 09, no. 03, pp. 470–483, 2021, doi: 10.4236/jhrss.2021.93030.
- [11] C. Shie and E. Riani, “Penerapan Metode Design Thinking Dalam Membangun Aplikasi Sumber Daya Manusia (Human Resources),” *J. Digit. Ecosyst. Nat. Sustain.*, vol. 3, no. 1, pp. 18–21, 2023, doi: 10.63643/jodens.v3i1.131.
- [12] Rizka Salsabila Dewitasari, Sari Setyaning Tyas, and Deni Kuswoyo, “Perancangan Aplikasi Human Resource Information System (HRIS) Metode Prototyping (Studi Kasus CV. Pawit Mulyo),” *J. Sos. Teknol.*, vol. 5, no. 9, pp. 3788–3806, 2025, doi: 10.59188/jurnalsostech.v5i9.32423.
- [13] R. Fadilah, “Perancangan Aplikasi HRIS Berbasis Web Untuk Mendukung Efisiensi Pengelolaan SDM Dengan Metode TrowAway Prototyping,” *Glob. Res. Innov. J.*, vol. 1, pp. 132–146, 2025.
- [14] W. M. Prawiro and E. R. Subhiyakto, “User-Centered Design Approaches to Enhance Employee Attendance Applications,” *Adv. Sustain. Sci. Eng. Technol.*, vol. 6, no. 3, pp. 1–10, 2024, doi: 10.26877/asset.v6i3.798.
- [15] D. Wirlandika, T. Prayono, and E. Novalia, “UI / UX Design of Mobile-Based Employee Performance Monitoring Using User-Centered Design Method PT Citra Digital Lintas,” *J. Artif. Intell. Softw. Eng.*, vol. 5, no. 2, pp. 384–393, 2025, doi: 10.30811/jaise.v5i2.6401.
- [16] D. D. Saputra, G. Sukadarmika, and F. Purnama, “Development of Employee Management Information System UI/UX Using a User Centered Design Approach,” *Sci. J. Informatics*, vol. 12, no. 3, pp. 419–428, 2025, doi: 10.15294/sji.v12i3.27979.
- [17] H. B. Santoso, P. O. H. Putra, and F. F. H. S. Febrian, “Development & Evaluation of E-Learning Module Based on Visual and Global Preferences Using a User-Centered Design Approach,” *Int. J. Emerg. Technol. Learn.*, vol. 16, no. 15, pp. 139–151, 2021, doi: 10.3991/ijet.v16i15.24163.
- [18] D. Benyon, *The Designing User Experience*. 2017.
- [19] P. P. Rex Hartson, *The UX Book 2*, vol. 2. 2024.
- [20] S. I. Nurfaldini, M. F. R. Alfarizi, and P. D. H. Kuncoro, “Analisis User

- Experience pada Aplikasi Mobile SIA Universitas Teknologi Yogyakarta Dengan Metode User Experience Questionnaire,” *Teknomatika J. Inform. dan Komput.*, vol. 17, no. 1, pp. 48–55, 2024, doi: 10.30989/teknomatika.v17i1.1288.
- [21] D. S. Mubiarto, R. Rizal Isnanto, and I. P. Windasari, “User Interface and User Experience (UI/UX) Redesign on ‘BCA Mobile’ Application Using User Centered Design (UCD) Method,” *J. Tek. Komput.*, vol. 1, no. 4, pp. 209–216, 2023, doi: 10.14710/jtk.v1i4.37686.
- [22] A. Salleh, M. Y. Said, M. H. Osman, and S. Hassan, “A Review on Classifying and Prioritizing User Review-Based Software Requirements,” *Int. J. Informatics Vis.*, vol. 8, no. 3–2, pp. 1651–1661, 2024, doi: 10.62527/joiv.8.3-2.3450.
- [23] Y. Prasetya and R. Rahmi, “Pilot Study on User Experience Analysis of Universitas Indonesia Library Website,” *Tik Ilmeu J. Ilmu Perpust. dan Inf.*, vol. 7, no. 1, p. 105, 2023, doi: 10.29240/tik.v7i1.6453.
- [24] D. User, I. Dan, U. Experience, and A. S. Film, “Penerapan User Centered Design (UCD) Pada Wireframe Desain User Interface Dan User Experience Aplikasi Sinopsis Film,” *J. ELEKTRO Inform. SWADHARMA Vol. 02 NOMOR 01*, vol. 02, pp. 43–47, 2022.
- [25] F. F. Pratama, F. R. Rahma, S. Abdurahman, Y. Dewi, and M. Huda, “Perancangan User Interface (UI) Perpustakaan Online Berbasis Android,” *JAMI J. Ahli Muda Indones.*, vol. 4, no. 2, pp. 149–162, 2023.
- [26] F. Abdulameer, B. Baluch, and Z. Abu, “A Model for Classification Usability Testing Practically from the Agile Methodology Aspect,” *Int. J. INFORMATICS Vis.*, vol. 9, no. January, pp. 81–89, 2025.
- [27] M. A. Arga Kusumah, R. I. Rokhmawati, and F. Amalia, “Evaluasi Usability Pada Website E-commerce XYZ Dengan Menggunakan Metode Cognitive Walkthrough dan System Usability Scale (SUS),” *Pengemb. Teknol. Inf. dan Ilmu Komput.*, vol. 3, no. 5, pp. 4340–4348, 2019.
- [28] Aneke Putri Nadila, Tranggono, and Mega Cattleya Prameswari Anissa Islami, “Application of the Think Aloud and System Usability Scale (SUS) Methods in Usability Evaluation in Online Transportation Applications for

- the Elderly,” *J. Appl. Informatics Comput.*, vol. 9, no. 2, pp. 501–510, 2025, doi: 10.30871/jaic.v9i2.9191.
- [29] A. P. Sukma, R. Yusuf, and R. H. Dai, “Analisis Pengukuran Usability Sistem Informasi Manajemen Baznas (Simba) Menggunakan Metode System Usability Scale (Sus),” *Diffus. J. Syst. Inf. Technol.*, vol. 3, no. 2, pp. 224–231, 2023.
- [30] A. Zalfie Ardian, Khairun Nisa, “Usability Testing Aplikasi Jamsostek (JMO) Menggunakan Metode Think Aloud Dengan Matriks Nielsen,” *J. Informatics Comput. Sci.*, vol. 11, no. 2, pp. 276–281, 2025.
- [31] A. M. Fabricio Davila, Freddy Paz, “Usage And Application Of Heatmap,” 2023.
- [32] H. Rezaiguia and A. Djeflal, “Usability evaluation from client-side traces using heatmap and system usability scale,” *2022 Int. Symp. Innov. Informatics Biskra, ISNIB 2022*, pp. 1–6, 2022, doi: 10.1109/ISNIB57382.2022.10075994.
- [33] R. Andika and D. Renaldi, “Heuristic Evaluation of UI / UX to Enhance Experience and Sales in E-commerce,” *Bit-Tech (Binary Digit. - Technol.*, vol. 7, no. 2, 2024, doi: 10.32877/bt.v7i2.1730.
- [34] D. K. Tou, V. Memanfaatkan, W. R. Putra, N. Adha, and O. Saputri, “Desain UI / UX Aplikasi E-Commerce Berbasis Mobile pada Jurnal Indonesia : Manajemen Informatika dan Komunikasi,” *J. Indones. Manaj. Inform. dan Komun.*, vol. 5, no. 1, pp. 221–228, 2024.
- [35] Z. A. Pratama, A. Permata, and S. Singgih, “Maze Design Usability Testing Pada Prototipe Aplikasi IOT Urban Farming HIPS,” *J. POLEKTRO J. Power Elektron.*, vol. 12, no. 3, pp. 174–179, 2023.
- [36] M. Ahmad and S. Wilkins, “Purposive sampling in qualitative research: a framework for the entire journey,” *Qual. Quant.*, vol. 59, no. 2, pp. 1461–1479, 2025, doi: 10.1007/s11135-024-02022-5.
- [37] J. NIELSEN, *Usability Engineering*. Morgan Kaufmann, 1993. [Online]. Available: <http://www.hbuk.co.uk/>
- [38] O. Agustiranda and M. F. A. Nasrullah, “Analisis Usability dengan Metode Heuristic Evaluation pada Web IFBT People Dashboard,” *J. Appl. Multimed.*

- Netw.*, vol. 6, no. 1, pp. 71–78, 2022, doi: 10.30871/jamn.v6i1.4066.
- [39] S. D. E. P. Mentari Estefin Milania Pangkey, Xaverius B. N. Najoan, “Designing UI/UX of UPT Bahasa Website using Heuristic Evaluation and User-Centered Design,” *J. Tek. Inform.*, vol. 19, no. 2, pp. 161–172, 2024.
- [1] P. Weichbroth, “applied sciences Usability Testing of Mobile Applications :,” *Appl. Sci.*, vol. 14, pp. 1–27, 2024.
- [2] E. Webber, “30+ Essential UX Stats for 2025 Strategy | Maze,” Maze. Accessed: Dec. 27, 2025. [Online]. Available: <https://maze.co/blog/ux-statistics/>
- [3] S. Çakırca, “150+ UX (User Experience) Statistics and Trends (Updated for 2025),” UserGuiding. Accessed: Dec. 27, 2025. [Online]. Available: <https://userguiding.com/blog/ux-statistics-trends?>
- [4] Z. Huang and M. Benyoucef, “A systematic literature review of mobile application usability: addressing the design perspective,” *Univers. Access Inf. Soc.*, vol. 22, no. 3, pp. 715–735, 2023, doi: 10.1007/s10209-022-00903-w.
- [5] A. Subiyakto *et al.*, “Investigating User Experience To Redesign User Interface Using User-Centered Design Approach,” *ICIC Express Lett. Part B Appl.*, vol. 13, no. 8, pp. 861–868, 2022, doi: 10.24507/icicelb.13.08.861.
- [6] G. Torenvliet, *The Design of Everyday Things*, vol. 15, no. 2. 2008. doi: 10.1145/1340961.1340979.
- [7] J. Salminen, S. Jung, A. Kamel, and B. J. Jansen, “Who is in the sample ? An analysis of real and surrogate users as participants in user study research in the information technology fields,” *PeerJ Comput. Sci.*, pp. 1–30, 2022, doi: 10.7717/peerj-cs.1136.
- [8] N. Kadek *et al.*, “Dampak Implementasi Hris (Human Resource Information System) Terhadap Kinerja Karyawan,” *J. Darma Agung*, no. 6, pp. 393–400, 2023, [Online]. Available: <https://dx.doi.org.10.46930/ojsuda.v3i1i6.3685>
- [9] Herwantaruna, N. I. Iriani, and I. Hidayat, “Penerapan Teknologi Hris (Human Resource Information System) Dalam Meningkatkan Produktivitas Kerja Karyawan Pada Favehotel Malang,” *J. Ris. Mhs. Ekon.*, vol. 7, no. 4, pp. 386–395, 2025, [Online]. Available:

<https://journal.stieken.ac.id/index.php/ritmik/article/view/1021>

- [10] G. M. A. Ali Quaosar and M. S. Rahman, “Human Resource Information Systems (HRIS) of Developing Countries in 21st Century: Review and Prospects,” *J. Hum. Resour. Sustain. Stud.*, vol. 09, no. 03, pp. 470–483, 2021, doi: 10.4236/jhrss.2021.93030.
- [11] C. Shie and E. Riani, “Penerapan Metode Design Thinking Dalam Membangun Aplikasi Sumber Daya Manusia (Human Resources),” *J. Digit. Ecosyst. Nat. Sustain.*, vol. 3, no. 1, pp. 18–21, 2023, doi: 10.63643/jodens.v3i1.131.
- [12] Rizka Salsabila Dewitasari, Sari Setyaning Tyas, and Deni Kuswoyo, “Perancangan Aplikasi Human Resource Information System (HRIS) Metode Prototyping (Studi Kasus CV. Pawit Mulyo),” *J. Sos. Teknol.*, vol. 5, no. 9, pp. 3788–3806, 2025, doi: 10.59188/jurnalsostech.v5i9.32423.
- [13] R. Fadilah, “Perancangan Aplikasi HRIS Berbasis Web Untuk Mendukung Efisiensi Pengelolaan SDM Dengan Metode TrowAway Prototyping,” *Glob. Res. Innov. J.*, vol. 1, pp. 132–146, 2025.
- [14] W. M. Prawiro and E. R. Subhiyacto, “User-Centered Design Approaches to Enhance Employee Attendance Applications,” *Adv. Sustain. Sci. Eng. Technol.*, vol. 6, no. 3, pp. 1–10, 2024, doi: 10.26877/asset.v6i3.798.
- [15] D. Wirlandika, T. Prayono, and E. Novalia, “UI / UX Design of Mobile-Based Employee Performance Monitoring Using User-Centered Design Method PT Citra Digital Lintas,” *J. Artif. Intell. Softw. Eng.*, vol. 5, no. 2, pp. 384–393, 2025, doi: 10.30811/jaise.v5i2.6401.
- [16] D. D. Saputra, G. Sukadarmika, and F. Purnama, “Development of Employee Management Information System UI/UX Using a User Centered Design Approach,” *Sci. J. Informatics*, vol. 12, no. 3, pp. 419–428, 2025, doi: 10.15294/sji.v12i3.27979.
- [17] H. B. Santoso, P. O. H. Putra, and F. F. H. S. Febrian, “Development & Evaluation of E-Learning Module Based on Visual and Global Preferences Using a User-Centered Design Approach,” *Int. J. Emerg. Technol. Learn.*, vol. 16, no. 15, pp. 139–151, 2021, doi: 10.3991/ijet.v16i15.24163.
- [18] D. Benyon, *The Designing User Experience*. 2017.

- [19] P. P. Rex Hartson, *The UX Book 2*, vol. 2. 2024.
- [20] S. I. Nurfaldini, M. F. R. Alfarizi, and P. D. H. Kuncoro, "Analisis User Experience pada Aplikasi Mobile SIA Universitas Teknologi Yogyakarta Dengan Metode User Experience Questionnaire," *Teknomatika J. Inform. dan Komput.*, vol. 17, no. 1, pp. 48–55, 2024, doi: 10.30989/teknomatika.v17i1.1288.
- [21] D. S. Mubiarto, R. Rizal Isnanto, and I. P. Windasari, "User Interface and User Experience (UI/UX) Redesign on 'BCA Mobile' Application Using User Centered Design (UCD) Method," *J. Tek. Komput.*, vol. 1, no. 4, pp. 209–216, 2023, doi: 10.14710/jtk.v1i4.37686.
- [22] A. Salleh, M. Y. Said, M. H. Osman, and S. Hassan, "A Review on Classifying and Prioritizing User Review-Based Software Requirements," *Int. J. Informatics Vis.*, vol. 8, no. 3–2, pp. 1651–1661, 2024, doi: 10.62527/joiv.8.3-2.3450.
- [23] Y. Prasetya and R. Rahmi, "Pilot Study on User Experience Analysis of Universitas Indonesia Library Website," *Tik Ilmeu J. Ilmu Perpust. dan Inf.*, vol. 7, no. 1, p. 105, 2023, doi: 10.29240/tik.v7i1.6453.
- [24] D. User, I. Dan, U. Experience, and A. S. Film, "Penerapan User Centered Design (UCD) Pada Wireframe Desain User Interface Dan User Experience Aplikasi Sinopsis Film," *J. ELEKTRO Inform. SWADHARMA Vol. 02 NOMOR 01*, vol. 02, pp. 43–47, 2022.
- [25] F. F. Pratama, F. R. Rahma, S. Abdurahman, Y. Dewi, and M. Huda, "Perancangan User Interface (UI) Perpustakaan Online Berbasis Android," *JAMI J. Ahli Muda Indones.*, vol. 4, no. 2, pp. 149–162, 2023.
- [26] F. Abdulameer, B. Baluch, and Z. Abu, "A Model for Classification Usability Testing Practically from the Agile Methodology Aspect," *Int. J. INFORMATICS Vis.*, vol. 9, no. January, pp. 81–89, 2025.
- [27] M. A. Arga Kusumah, R. I. Rokhmawati, and F. Amalia, "Evaluasi Usability Pada Website E-commerce XYZ Dengan Menggunakan Metode Cognitive Walkthrough dan System Usability Scale (SUS)," *Pengemb. Teknol. Inf. dan Ilmu Komput.*, vol. 3, no. 5, pp. 4340–4348, 2019.
- [28] Aneke Putri Nadila, Tranggono, and Mega Cattleya Prameswari Anissa

- Islami, “Application of the Think Aloud and System Usability Scale (SUS) Methods in Usability Evaluation in Online Transportation Applications for the Elderly,” *J. Appl. Informatics Comput.*, vol. 9, no. 2, pp. 501–510, 2025, doi: 10.30871/jaic.v9i2.9191.
- [29] A. P. Sukma, R. Yusuf, and R. H. Dai, “Analisis Pengukuran Usability Sistem Informasi Manajemen Baznas (Simba) Menggunakan Metode System Usability Scale (Sus),” *Diffus. J. Syst. Inf. Technol.*, vol. 3, no. 2, pp. 224–231, 2023.
- [30] A. Zalfie Ardian, Khairun Nisa, “Usability Testing Aplikasi Jamsostek (JMO) Menggunakan Metode Think Aloud Dengan Matriks Nielsen,” *J. Informatics Comput. Sci.*, vol. 11, no. 2, pp. 276–281, 2025.
- [31] A. M. Fabricio Davila, Freddy Paz, “Usage And Application Of Heatmap,” 2023.
- [32] H. Rezaiguia and A. Djeflal, “Usability evaluation from client-side traces using heatmap and system usability scale,” *2022 Int. Symp. Innov. Informatics Biskra, ISNIB 2022*, pp. 1–6, 2022, doi: 10.1109/ISNIB57382.2022.10075994.
- [33] R. Andika and D. Renaldi, “Heuristic Evaluation of UI / UX to Enhance Experience and Sales in E-commerce,” *Bit-Tech (Binary Digit. - Technol.*, vol. 7, no. 2, 2024, doi: 10.32877/bt.v7i2.1730.
- [34] D. K. Tou, V. Memanfaatkan, W. R. Putra, N. Adha, and O. Saputri, “Desain UI / UX Aplikasi E-Commerce Berbasis Mobile pada Jurnal Indonesia : Manajemen Informatika dan Komunikasi,” *J. Indones. Manaj. Inform. dan Komun.*, vol. 5, no. 1, pp. 221–228, 2024.
- [35] Z. A. Pratama, A. Permata, and S. Singgih, “Maze Design Usability Testing Pada Prototipe Aplikasi IOT Urban Farming HIPS,” *J. POLEKTRO J. Power Elektron.*, vol. 12, no. 3, pp. 174–179, 2023.
- [36] M. Ahmad and S. Wilkins, “Purposive sampling in qualitative research: a framework for the entire journey,” *Qual. Quant.*, vol. 59, no. 2, pp. 1461–1479, 2025, doi: 10.1007/s11135-024-02022-5.
- [37] J. NIELSEN, *Usability Engineering*. Morgan Kaufmann, 1993. [Online]. Available: <http://www.hbuk.co.uk/>

- [38] O. Agustiranda and M. F. A. Nasrullah, “Analisis Usability dengan Metode Heuristic Evaluation pada Web IFBT People Dashboard,” *J. Appl. Multimed. Netw.*, vol. 6, no. 1, pp. 71–78, 2022, doi: 10.30871/jamn.v6i1.4066.
- [39] S. D. E. P. Mentari Estefin Milania Pangkey, Xaverius B. N. Najoan, “Designing UI/UX of UPT Bahasa Website using Heuristic Evaluation and User-Centered Design,” *J. Tek. Inform.*, vol. 19, no. 2, pp. 161–172, 2024.