

DAFTAR PUSTAKA

- Aiyegbusi, O. L. (2020). Key Methodological Considerations For Usability Testing Of Electronic Patient-Reported Outcome (Epro) Systems. *Quality of Life Research*, 29(2), 325–333. <https://doi.org/10.1007/s11136-019-02329-z>
- Al-Khiami; Mohamad Iyad Jaeger; Martin Soleimani; Sayed Mohamad Kazem; Abdulhadi. (2024). Enhancing concrete structures education: Impact of virtual reality on motivation, performance and usability for undergraduate engineering students. *Journal of Computer Assisted Learning*, 40(1), 306–325.
- Alvarez, J., Rodriguez, R., & Martinez, M. (2020). Work in progress-Use of immersive videos of virtual reality in education. *2020 IEEE World Conference on Engineering Education (EDUNINE)*, 1–4.
- Anonim. (2025). *Food Storage Guidelines*. <https://foodbanksbc.org/wp-content/uploads/2014/12/Food-Storage-Guidelines.pdf?srsltid=AfmBOooiX4tfQgGrMR526kHEzsSFQJ-8ntMwwDtT3-4K7yzAZKU-NVgx>
- Austin, J. E. (1981). *Agroindustrial project analysis*. The Johns Hopkins University Press.
- Aydin, S., & Aktaş, B. (2020). Developing an integrated VR infrastructure in architectural design education. *Frontiers in Robotics and AI*, 7, 495468.
- Bangor, A., Kortum, P. T., & Miller, J. T. (2008). An empirical evaluation of the System Usability Scale. *International Journal of Human-Computer Interaction*, 24(6), 574–594.
- Barnum, C. M. (2021). *Usability Testing Essentials: Ready, Set ...Test!* (2 ed.). Morgan Kaufmann, an imprint of Elsevier.
- Biswas, N., Mukherjee, A., & Bhattacharya, S. (2024). “Are you feeling sick?” – A systematic literature review of cybersickness in virtual reality. *ACM Computing Surveys*, 56(11), 1–38. <https://doi.org/10.1145/3670008>
- Buditjahjanto, I. G. P. A. (2022). Analyzing factors of GUI simulation as learning media toward students’ learning outcomes. *Journal of Technology and Science Education*, 12(1), 83–95. <https://doi.org/10.3926/jotse.1317>
- Clark, N., Dabkowski, M., Driscoll, P. J., Kennedy, D., Kloo, I., & Shi, H. (2021). Empirical Decision Rules for Improving the Uncertainty Reporting of Small Sample System Usability Scale Scores. *International Journal of Human-Computer Interaction*, 37(13), 1191–1206. <https://doi.org/10.1080/10447318.2020.1870831>
- Costa, C., Antonucci, F., Pallottino, F., Aguzzi, J., Sarriá, D., & Menesatti, P. (2013). A Review on Agri-food Supply Chain Traceability by Means of RFID Technology. *Food and Bioprocess Technology*, 6(2), 353–366. <https://doi.org/10.1007/s11947-012-0958-7>
- Daalen, V. C. E., Schaffernicht, M., & Mayer, I. (2014, Juli). System dynamics and serious games. *International Conference of the System Dynamics Society*.
- Das, K. R., & Imon, A. H. M. R. (2016). A Brief Review of Tests For Normality. *American Journal of Theoretical and Applied Statistics*, 5(1), 5–12. <https://doi.org/10.11648/j.ajtas.20160501.12>

- David, L., & Weinstein, N. (2024). Using technology to make learning fun: technology use is best made fun and challenging to optimize intrinsic motivation and engagement. *European Journal of Psychology of Education, 39*(2), 1441–1463.
- Deshmukh, A. M., & Chalmeta, R. (2024). Validation of system usability scale as a usability metric to evaluate voice user interfaces. *PeerJ Computer Science, 10*, e1918. <https://doi.org/10.7717/peerj-cs.1918>
- Diaz-Oreiro, I., López, G., Quesada, L., & Guerrero, L. A. (2021). UX evaluation with standardized questionnaires in ubiquitous computing and ambient intelligence: a systematic literature review. *Advances in Human-Computer Interaction, 2021*(1), 5518722.
- Doerner, R., Broll, W., Grimm, P., & Jung, B. (2022). *Virtual and Augmented Reality (VR/AR): Foundations and Methods of Extended Realities (XR)*. Springer.
- El Mawas, N., Tal, I., Moldovan, A.-N., Bogusevschi, D., Andrews, J., Muntean, G.-M., & Muntean, C. H. (2020). Investigating the impact of an adventure-based 3D solar system game on primary school learning process. *Knowledge Management & E-Learning, 12*(2), 165–190.
- Fitria, T. N. (2023). Augmented Reality (AR) and Virtual Reality (VR) Technology in Education: Media of Teaching and Learning: A Review. *International Journal of Computer and Information System (IJCIS), 04*(01).
- Fussell, S. G., & Hight, M. P. (2021). Usability testing of a VR flight training program. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, 65*(1), 1124–1128.
- Galloway, A. (2005). *Non-probability sampling*. Elsevier. <https://doi.org/https://doi.org/10.1016/B0-12-369398-5/00382-0>
- Gedam, M. N., & Meshram, B. B. (2023). Proposed Secure Activity Diagram for Software Development. Dalam *IJACSA International Journal of Advanced Computer Science and Applications* (Vol. 14, Nomor 6). www.ijacsa.thesai.org
- Gergely, O., Mazalová, R., Štýbnar, M., Hlavinka, A., Goodfellow, N., Scott, M., Fleming, G., Jochmannová, L., & Stanke, L. (2024). Patients' UX Impact on Medication Adherence in Czech Pilot Study for Chronically Ill. *Behavioral Sciences, 14*(6), 489.
- Ghasemi, A., & Zahediasl, S. (2012). Normality tests for statistical analysis: A guide for non-statisticians. *International Journal of Endocrinology and Metabolism, 10*(2), 486–489.
- Gurung, G., Shah, R., & Jaiswal, D. P. (2020). Software Development Life Cycle Models-A Comparative Study. *International Journal of Scientific Research in Computer Science, Engineering and Information Technology, 6*(4), 30–37. <https://doi.org/10.32628/CSEIT206410>
- Gutierrez, M. A., Vexo, F., & Thalmann, D. (2008). *Stepping into Virtual Reality*. Springer-Verlag London Limited.
- Hackathorn, J., Solomon, E. D., Blankmeyer, K. L., Tennial, R. E., & Garczynski, A. M. (2011). Learning By Doing: An Empirical Study Of Active Teaching Techniques. *The Journal of Effective Teaching, 11*(2), 40–54.
- Hadi, D. K., Santoso, P. B., & Sucipto. (2019). Traceability implementation based on RFID at agro-industry: A review. *IOP Conference Series: Earth and Environmental Science, 230*(1), 12070. <https://doi.org/10.1088/1755-1315/230/1/012070>

- Hassenzahl, M., Diefenbach, S., & Göritz, A. (2010). Needs, Affect, and Interactive Products – Facets of User Experience. *Journal of Interacting with Computers*, 22(5), 353–362.
- He, D. (2022). Teaching Practices Of A Warehousing Management Curriculum Based On Virtual Reality Simulation Technology. *International Journal of Emerging Technologies in Learning (iJET)*, 17(09). <https://doi.org/10.3991/ijet.v17i09.30939>
- Heizer, J. R. B. M. C. (2017). *Operations Management Sustainability and Supply Chain Management 12th Edition*.
- Helle, N., Vikman, M. D., Dahl-Michelsen, T., & Lie, S. S. (2023). Health Care and Social Work Students' Experiences With a Virtual Reality Simulation Learning Activity: Qualitative Study. *JMIR Medical Education*, 9.
- Henstrom, J., De Amicis, R., Sanchez, C. A., & Turkan, Y. (2024). Immersive engineering instruction: Using Virtual Reality to enhance students' experience in the classroom. *Computers & Graphics*, 121, 103944.
- Hernández Campos, M., Thomaschewski, J., & C. Law, Y. (2023). Results of a Study to Improve the Spanish Version of the User Experience Questionnaire (UEQ). *International Journal of Interactive Multimedia and Artificial Intelligence*, 8(4), 202–207. <https://doi.org/10.9781/ijimai.2022.11.003>
- Hertzog, M. A. (2008). Considerations in determining sample size for pilot studies. *Research in Nursing & Health*, 31(2), 180–191. <https://doi.org/10.1002/nur.20247>
- Hidayatno, A., Zulkarnain, Hasibuan, R. G., Wardana Nimpuno, G. C., & Destyanto, A. R. (2019). Designing a serious simulation game as a learning media of sustainable supply chain management for biofuel production. *Journal Energy Procedia*, 156, 43–47.
- Hinderks, A., Schrepp, M., Domínguez Mayo, F. J., Escalona, M. J., & Thomaschewski, J. (2019). Developing A UX KPI Based On The User Experience Questionnaire. *Computer Standards & Interfaces*, 65, 38–44. <https://doi.org/10.1016/j.csi.2019.01.007>
- Huerta-Torruco, V. A., Hernández-Urbe, Ó., Cárdenas-Robledo, L. A., & Rodríguez-Olivares, N. A. (2022). Effectiveness of virtual reality in discrete event simulation models for manufacturing systems. *Computers & Industrial Engineering*, 168, 108079.
- Ingrassia, T., Lombardo, E., Nigrelli, V., & Sabatino, G. (2008). Kansei Engineering And Virtual Reality In Conceptual Design. *Journal Quality Management and Organizational Development Attaining Sustainability*.
- Jasper, J. (2019). Virtual Reality-Based Product Representations in Conjoint Analysis. *International Journal of Innovation and Economics Development*, 4(6), 51–67.
- Jerga F. (2021). *What Is The Unity Game Engine- All You Need To Know*. medium.com. <https://medium.com/eincode/what-is-theunity-game-engineall-you-need-to-know-d4ce77a1b7d2>
- Jordan, P. W. (2000). *Designing Pleasurable Product: An introduction to the new human factors*. Taylor & Francis.
- Kalinov, I., Trinitatova, D., & Tsetserukou, D. (2021). WareVR: Virtual Reality Interface for Supervision of Autonomous Robotic System aimed at Warehouse Stocktaking. *IEEE International Conference on Systems, Man, and Cybernetics (SMC)*.

- Kalkofen, D., Mori, S., Ladinig, T., Daling, L., Abdelrazeq, A., Ebner, M., Ortega, M., Feiel, S., Gabl, S., Shepel, T., & others. (2020). Tools for teaching mining students in virtual reality based on 360 video experiences. *2020 IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW)*, 455–459.
- Kaminska, D., Zwolinski, G., & Laska-Leśniewicz, A. (2022). Usability Testing of Virtual Reality Applications—The Pilot Study. *Sensors*, 22(1342). <https://doi.org/10.3390/s22041342>
- Kang, H., Yang, J., Ko, B.-S., Kim, B.-S., Song, O.-Y., & Choi, S.-M. (2023). Integrated augmented and virtual reality technologies for realistic fire drill training. *IEEE computer graphics and applications*, 44(2), 89–99.
- Koch, R. (2011). *The 80/20 Principle: The Secret to Achieving More with Less*. Nicholas Brealey Publishing.
- Kushendriawan, M. A., Az-Zahra, H. M., & Rokhmawati, R. I. (2018). Evaluasi website forum United Indonesia dengan metode Kansei Engineering dan Extended Goal Question Metric untuk meningkatkan user experience. *Jurnal Pengembangan Teknologi Informasi dan Ilmu Komputer*, 2(11), 5022–5029.
- Latif, J. J. K., Triputra, A. A., Kesuma, M. A., & Maulana, F. I. (2023). Design and Development a Virtual Planetarium Learning Media Using Augmented Reality. *Procedia Computer Science*, 227, 726–733. <https://doi.org/10.1016/j.procs.2023.10.577>
- Laugwitz, B., Held, T., & Schrepp, M. (2008). Construction And Evaluation Of A User Experience Questionnaire. Dalam A. Holzinger (Ed.), *USAB 2008, Lecture Notes in Computer Science* (Vol. 5298, hlm. 63–76). Springer-Verlag. https://doi.org/10.1007/978-3-540-89350-9_6
- Liu, X., & Yang, S. (2022). Study On Product Form Design Via Kansei Engineering And Virtual Reality. *Journal of Engineering Design*.
- Mahendra, F. M. (2024). *Pengembangan Permainan Edukasi Berbasis Virtual Reality Untuk Asesmen Pelafalan Dasar Bahasa Korea*. Program Studi Teknologi Informasi, Departemen Teknik Elektro dan Teknologi Informasi, Fakultas Teknik, Universitas Gadjah Mada.
- Mishra, A., & Alzoubi, Y. I. (2023). Structured software development versus agile software development: a comparative analysis. *International Journal of System Assurance Engineering and Management*, 14(4), 1504–1522.
- Montgomery, D. C., & Runger, G. C. (2011). *Applied statistics and probability for engineers* (5 ed.). John Wiley & Sons.
- Munassar, N. M. A., & Govardhan, A. (2010). A Comparison Between Five Models of Software Engineering. *IJCSI International Journal of Computer Science Issues*, 7(5), 94.
- Nery, M. P., Neto, S. J. dos S., Alves, R. S., Santana, J. V. dos S., Griza, S., & Martins, C. O. D. (2024). Development Of Educational Software For Stainless Steel Selection And Evaluating Usability Using The System Usability Scale (SUS). *International Journal of Mechanical Engineering Education*. <https://doi.org/10.1177/03064190241266978>
- Nguyen, V. (2023). *Usability Testing In Virtual Reality And Traditional Physical Environments: A Comparative Study*. School of Industrial Design, College of Design, Georgia Institute of Technology.

- Nielsen, J. (1994). *Usability Engineering*. AP Professional.
- Ozcelik, D., Quevedo-Fernandez, J., Thalen, J., & Terken, J. (2011). Engaging Users In The Early Phases Of The Design Process: Attitudes, Concerns And Challenges From Industrial Practice. *DPPI '11: Proceedings of the 2011 Conference on Designing Pleasurable Products and Interfaces*, 1–8.
- Pasin, F., & Giroux, H. (2011). The Impact Of A Simulation Game On Operations Management Education. *Computers & Education*, 57(1), 1240–1254.
- Pirker, J., & Dengel, A. (2021). The potential of 360° virtual reality videos and real VR for education—A literature review. *IEEE Computer Graphics and Applications*, 41(3), 86–93.
- Pressman, R. S. (2010). *Software engineering: A practitioner's approach* (7 ed.). McGraw-Hill.
- Qureshi, M. I., Khan, N., Raza, H., Imran, A., & Ismail, F. (2021). Digital Technologies in Education 4.0. Does it Enhance the Effectiveness of Learning? *International Journal of Interactive Mobile Technologies*, 15(4), 31–47. <https://doi.org/10.3991/IJIM.V15I04.20291>
- Rosenberg, B. D., & Navarro, M. A. (2018). *The SAGE Encyclopedia of Educational Research, Measurement, and Evaluation*. Sage Publications.
- Royce, W. W. (1970). Managing the Development of Large Software Systems. *Proceedings, IEEE WESCON*.
- Sauro, J., & Lewis, J. R. (2012). *Quantifying the user experience: Practical statistics for user research*. Morgan Kaufmann. <https://doi.org/10.1016/C2013-0-19085-7>
- Schrepp, M. (2023). *User Experience Questionnaire Handbook: All You Need To Know To Apply The UEQ Successfully In Your Projects (Version 11)*.
- Shylesh, S. (2017). A study of software development life cycle process models. *National Conference on Reinventing Opportunities in Management, IT, and Social Sciences*, 534–541.
- Spillner, A., & Linz, T. (2021). *Software testing foundations: A study guide for the Certified Tester exam (CTFL) based on the ISTQB® syllabus* (5 ed.). Rocky Nook.
- Sugiyono. (2016). *Metode Penelitian Kuantitatif, Kualitatif, dan R&D*. Alfabeta.
- Sukirman, Ibharm, L. F. M., Said, C. S., & Murtiyasa, B. (2024). Development and Usability Testing of a Virtual Reality Game for Learning Computational Thinking. *International Journal of Serious Games*, 11(3), 1–25.
- Takano, E., Maruyama, H., Takahashi, T., Mori, K., Nishiyori, K., Morita, Y., Fukuda, T., Kondo, I., & Ishibashi, Y. (2023). User experience of older people while using digital health technologies: A systematic review. *Applied Sciences*, 13(23), 12815.
- Tseng, W.-J., Kontrazis, P. D., Lecolinet, E., Huron, S., & Gugenheimer, J. (2024). Understanding Interaction and Breakouts of Safety Boundaries in Virtual Reality Through Mixed-Method Studies. *2024 IEEE Conference Virtual Reality and 3D User Interfaces (VR)*, 482–492. <https://doi.org/10.1109/VR58804.2024.00069>
- Ushada, M., Khuriyati, N., Agustriana, S., & Okayama, T. (2020). Evaluation Of Kansei Engineering-Based Sensor For Agro-Industry (KESAN). *Agricultural Engineering International: CIGR Journal*, 22(1), 133.
- Van Griethuijsen, R. A. L. F., Van Eijck, M. W., Haste, H., Den Brok, P. J., Skinner, N. C., Mansour, N., Savran Gencer, A., & BouJaoude, S. (2015). Global patterns in

- students' views of science and interest in science. *Research in science education*, 45(4), 581–603.
- Walls, R., Nageswaran, P., Cowell, A., Sehgal, T., White, T., McVeigh, J., Staykov, S., Basett, P., Mitelpunkt, D., & Sam, A. H. (2024). Virtual reality as an engaging and enjoyable method for delivering emergency clinical simulation training: a prospective, interventional study of medical undergraduates. *BMC Medicine*, 22(1), 222. <https://doi.org/10.1186/s12916-024-03433-9>
- Webster, R. (2017). System Usability Scale (SUS): Oculus Rift DK2 and Samsung Gear VR. *American Society for Engineering Education*.
- Whitley, E., & Ball, J. (2002). Statistics review 6: Nonparametric methods. *Critical Care*, 6(6), 509–513.
- Winter, C., Kern, F., Gall, D., Latoschik, M. E., Pauli, P., & Käthner, I. (2021). Immersive virtual reality during gait rehabilitation increases walking speed and motivation: a usability evaluation with healthy participants and patients with multiple sclerosis and stroke. *Journal of neuroengineering and rehabilitation*, 18(1), 68.
- Xu, C., Siegrist, M., & Hartmann, C. (2021). The application of virtual reality in food consumer behavior research: A systematic review. Dalam *Trends in Food Science and Technology* (Vol. 116, hlm. 533–544). Elsevier Ltd. <https://doi.org/10.1016/j.tifs.2021.07.015>