

DAFTAR PUSTAKA

- Amrullah, A., Salim, Y., & Manga, A. R. (2021, Agustus). Implementasi Progressive Web App Terhadap Aplikasi E-Commerce Sebagai Solusi Untuk Meningkatkan Kinerja Aplikasi Berbasis Web. *Buletin Sistem Informasi dan Teknologi Islam*, 2(3), 213-221. <https://doi.org/https://doi.org/10.33096/busiti.v2i3.912>
- Anwar, M. S., & Verawati, L. (2025, September). Kepuasan Pengguna dan Niat Tetap Menggunakan Smartphone Android: Perspektif Interaktivitas dan Fitur Perangkat. *Jurnal Lentera Bisnis*, 14, No 3, 3942-3960. <https://doi.org/10.34127/jrlab.v14i3.1794>
- Ariansidi, M.; Candiasa, I. M.; & Sunarya, I. M. (2023). Analisis Usability Pada Sistem Informasi LAPORBUP Menggunakan Performance Measurement, Retrospective Think Aloud dan User Experience Questionnaire. *KLIK: Kajian Ilmiah Informatika dan Komputer*, 3(6), 754-764.
- Asosiasi Penyelenggara Jasa Internet Indonesia. (2025). *Survei Penetrasi Internet dan Perilaku Penggunaan Internet 2025*. Asosiasi Penyelenggara Jasa Internet Indonesia.
- Asroni, O., Pratama, I. W., Sudarsana, I. P., Peong, H. K., & Innuddin, M. (2024). Penerapan Usability Testing Dengan Menggunakan Metode Retrospective Think Aloud Untuk Pengukuran Tingkat Kebergunaan Aplikasi Wisata Labuan Bajo. *JATI (Jurnal Mahasiswa Teknik Informatika)*, 8(2), 2130-2137.
- Ayu, P. D. (2017). Analisis Pengukuran Tingkat Efektivitas dan Efisiensi Sistem Informasi Manajemen Surat STIKOM Bali. *SISTEM DAN INFORMATIKA*, 11(2), 1-11.
- Bahari, C. C.; & Sumaryana, Y. (2019). Penerapan Progressive Web Apps Pada Aplikasi Lowongan Pekerjaan Dosen Universitas Perjuangan. *Informatics and Digital Expert (INDEX)*, 1(1), 26.
- Biørn-Hansen, A. (2021). *Presence and Performance of Mobile Development Approaches*. London: Brunel University London.
- Cardieri, G. A., & Zaina, L. (2018, October). Analyzing User Experience in Mobile Web, Native, and Progressive Web Application: A User and HCI Specialist Perspectives. *Proceedings of the 17th Brazilian Symposium on Human Factors in Computing Systems*(No. 9), 1-11. <https://doi.org/https://doi.org/10.1145/3274192.3274201>
- Chand, M. (2020, Oktober 13). *What is a PWA (Progressive Web App) and Why Do We Need PWAs?* Dipetik Juli 23, 2024, dari C#Corner. <https://www.c-sharpcorner.com/article/what-is-a-pwa/>

- Exploding Topics. (2025, Mei 16). *Internet Traffic from Mobile Devices (May 2025)*. Dipetik Juni 24, 2025, dari Exploding Topics. <https://web.archive.org/web/20250521060447/https://explodingtopics.com/blog/mobile-internet-traffic>
- Firmansyah, M. (2020). *Pengantar E-marketing*. Penerbit Qiara Media.
- Geisen , E.;& Bergstrom, J. R. (2017). *Usability Testing for Survey Research*. Elsevier Inc.
- Gillis, A. S. (2022, Desember 01). *What is native app? | Definition from TechTarget*. Dipetik May 09, 2024, dari TechTarget. <https://techtarget.com/searchsoftwarequality/definition/native-application-native-app>
- Ginanjari, M. R., Prehanto, A., & Guntara, R. G. (2023). Evaluasi dan Rekomendasi Usability Pada Fitur Pemesanan Bike di Aplikasi Mobile Maxim Dengan Metode Usability Testing dan Use Questionnaire. *Madani: Jurnal Ilmiah Multidisiplin* , 1(7).
- Ginanjari, M. R., Prehanto, A., & Guntara, R. G. (2023). Evaluasi dan Rekomendasi Usability Pada Fitur Pemesanan Bike di Aplikasi Mobile Maxim Dengan Metode Usability Testing dan Use Questionnaire. *MADANI (Jurnal Ilmiah Multidisiplin*, 1(7), 163-171. <https://doi.org/10.5281/zenodo.8208192>
- Guiyab, R. B., Tarun, I. M., Maddalora, A. L., Cabauatan, D. C., Balisi, V. L., & Beltran, R. M. (2025). SeDi LMSS: A Self-Directed Learning Management and Support. *International Journal of Environmental Sciences*, 11(No. 16s), 744-752. <https://doi.org/10.64252/ad60y763>
- Guritno, S., Sudaryono, & Raharja, U. (2011). *Theory and application of IT research: Metodologi Penelitian Teknologi Informasi*. Penerbit ANDI.
- Hafidz, F.;& Azizah, Z. (2021). Implementation of Usability Testing Methods to Measure the Usability Aspect of Management Information System Mobile Application (Case Study Sukamiskin Correctional Institution). *International Journal of Modern Education and Computer Science (IJMECS)*, Vol. 13, No. 5, 58-67.
- Hasan, L. (2022). Investigating Usability Problems on Shopee E-Commerce Website. *4th National Symposium on Human Computer Interaction*, (hal. 46-53). Dipetik Juni 2025, dari https://www.researchgate.net/publication/367433337_Investigating_Usability_Problems_on_Shoppee_E-Commerce_Website
- International Organization for Standardization. (2018). *Usability: Definitions and concepts*. <https://www.iso.org/standard/63500.html>
- Irmawati D. (2011). Pemanfaatan e-commerce dalam dunia bisnis. *Jurnal Ilmiah Orasi Bisnis-ISSN*, 2085, 1375.

- Kusuma, O., Munir, A., & Surasa, H. (2023). USABILITY TESTING OF THE HI JOBS! APPLICATION USING THE PERFORMANCE MEASUREMENT AND THE CONCURRENT THINK ALOUD TECHNIQUES. *KHARISMA Tech*, 18(2), 133-147.
- Lengkong, O., Tumewu, M., & Lumintang, N. (2021). Analisis Usability Pada Aplikasi M-Commerce Tokopedia Terhadap Kepuasan Pengguna Menggunakan USE (Usefulness, Satisfaction, Ease of Use) Questionnaire. *CogITO Smart Journal*, 7(1), 182–192. <https://doi.org/10.31154/cogito.v7i1.311.182-192>
- Lund, A. (2001, January). *Measuring Usability with USE Questionnaire*. Research Gate. https://www.researchgate.net/publication/230786746_Measuring_Usability_with_the_USE_Questionnaire
- Nielsen, J. (2000, Maret 18). *Why You Only Need to Test with 5 Users - NN/G*. Nielsen Norman Group. <https://www.nngroup.com/articles/why-you-only-need-to-test-with-5-users/>
- Ningtiyas, A., Faizah, S. N., Mustikasari, M., & Bastian, I. (2021, Maret). Pengukuran Usability Sistem Menggunakan Use Questionnaire pada Aplikasi Ovo. *Jurnal Ilmiah Komputasi*. 20,1, 101-108.
- Novshienza Putri, S. (2020). Evaluasi User Interface Pada Aplikasi KRL Access Untuk Meningkatkan User Experience Menggunakan Usability Evaluation Methods . Tangerang Selatan, Banten .
- Nurbaiti, Rahma, T., Wulandari, A., & Maha, N. (2021). Pengaruh E-Commerce Shopee pada Kualitas Layanan Shopee terhadap Loyalitas Pengguna Shopee (Studi Kasus Masyarakat Kota Medan). *Jurnal Pendidikan Tambusai*, Vol. 5(No. 3), 8600-8606. <https://doi.org/10.31004/jptam.v5i3.2360>
- Nurlan, F. (2019). *Metodologi Penelitian Kuantitatif*. CV. Pilar Nusantara.
- Prasetyaningsih, S., & Muchtar, S. (2023, September). Analisis Perbandingan User Experience pada Website dan Aplikasi Mobile Shopee Menggunakan UEQ. *jtim*, 5(3), 162-170. <https://doi.org/10.35746/jtim.v5i3.326>.
- Pratama, I. P. (2015). *E-Commerce, E-Business, dan Mobile Commerce Berbasis Open Source*. Bandung: Informatika Bandung.
- Pressman, R., & Maxim, B. (2014). *Software Engineering : A Practitioner's Approach*. New York: Mc-Graw Hill Education.
- Rizal, M. F., Widodo, A. P., Adi, K., Riyanto, D. E., & Nurhayati, O. D. (2020, April). Usability testing mozita application based on use questionnaire model. *Journal of Physics: Conference Series*, 1524(1). <https://doi.org/10.1088/1742->

- Rubin, J., & Chisnell, D. (2008). *Handbook of Usability Testing: Second Edition*. Canada: Wiley Publishing, Inc. Indianapolis, Indiana.
- Safaat, N. (2012). *Pemrograman Aplikasi Mobile Smartphone dan Tablet PC Berbasis Android*. Bandung: Bandung: informatika.
- Santoso, H. (2019). *Membangun Aplikasi Mobile dengan PWA Progressive Web App*. Yogyakarta: CV.Lokomedia.
- Sari, M. K., Setyadi, H. J., & Kamila, V. Z. (2023). Penerapan Model Use Questionnaire Untuk Menganalisis Usability yang Dipengaruhi oleh User Experience pada Aplikasi Shopee. *Jurnal Ilmiah Teknologi Sistem Informasi (JITSI)*, 4(2), 64-73. <https://doi.org/10.62527/jitsi.4.2.129>
- Sauro, J. (21. March 2011). *What Is A Good Task-Completion Rate? - Measuring U*. Haettu 2026 osoitteesta Measuring U. <https://measuringu.com/task-completion/>
- Semnesia. (2025, April 4). *35 Data Statistik E-commerce Indonesia yang Penting*. Dipetik Juni 24, 2025, dari Semnesia. <https://semnesia.com/blog/data-statistik-ecommerce-indonesia/>
- Setiawan, A. M.;A. N., A. E.;& Sukmasetya, P. (2020). The Growth Electronic Commerce Technology and User Interface in Indonesia. *Test Engineering and Management*, 83, 16819.
- Setiawan, A., Muna, A. N., Arumi, E. R., & Sukmasetya, P. (2020). The Growth Electronic Commerce Technology and User Interface in Indonesia. *TEST ENGINEERING AND MANAGEMENT*; Vol. 83; ISSN: 0193-4120, 16824.
- Sugiyono. (2019). *Metode Penelitian Kuantitatif, Kualitatif, dan R&D*. (Sutopo, Penyunt.) LFABETA, cv | Hotline: 081.1213.9484 , Bandung: ALFABETA, cv .
- Sulistiyawati, U. S., & Munawir. (2024). Membangun Keunggulan Kompetitif melalui Platform E-Commerce: Studi Kasus Tokopedia. *Jurnal Manajemen dan Teknologi*, 1(1), 43-55. <https://doi.org/https://doi.org/10.35870/jmt.vxix.776>
- Teoderescu, C. A., Ciucu, A.-N., & Vargas, V. M. (2023). The Rise of the Mobile Internet: Tracing the Evolution of Portable Devices. *Proceedings of the International Conference on Business Excellence*; Vol. 17 (2023); ISSUE 1 (JULY 2023).
- Tiarani, Z., Ajie, H., & Nugraheni, M. (2023). Analisis Usabilitas Web Sistem Uang Kuliah Tunggal Universitas Negeri Jakarta. *Jurnal PINTER*, 7(1), 78-86. <https://doi.org/10.21009/pinter.7.1.10>
- Tokopedia. (2024, April 05). *Tokopedia Lite PWA, Aplikasi Versi Ringan Tanpa Install dan Hemat Penyimpanan*. Dipetik November 01, 2024, dari

Tokopedia Blog. <https://www.tokopedia.com/blog/update-tokopedia-lite-pwa/>

Ujung, A. M., Adisa, Y., & Nurbaiti. (2023). Analisis Perbandingan Pengalaman Konsumen Terhadap Strategi Bisnis Dalam E-Commerce: Studi Kasus Shopee, Lazada, Dan Tokopedia. *Journals of Informatics And Business*, 01(No. 03), 118-123. <https://doi.org/10.47233/jibs.v1i3.384>

Wargo, J. M. (2020). *Learning Progressive Web Apps: Building Modern Web Apps Using Service Workers*. United States: Addison-Wesley/Pearson Education.

Yuliyana, T.;Arthana, I. K.;& Agustini, K. (2019). Usability Testing pada Aplikasi POTWIS. *Jurnal Sains dan Teknologi (JST)*, 8(1), 12-22.

