

## DAFTAR PUSTAKA

- Abbas, M., Rioboo, R., Ben-Yelles, C. B., & Snook, C. F. (2021). Formal modeling and verification of UML Activity Diagrams (UAD) with FoCaLiZe. *Journal of Systems Architecture*, 114. <https://doi.org/10.1016/j.sysarc.2020.101911>
- Abiyuu, J. P., Andreswari, R., & Hasibuan, M. A. (2018). Implementasi Aplikasi Mobile Modul Penyelenggara Dan Konsumen Kegiatan Di Kota Bandung Menggunakan Metode Iterative Incremental Untuk Meningkatkan Minat Terhadap Kegiatan Di Kota Bandung. *e-Proceeding of Engineering*, 5(1).
- Abushark, Y., Miller, T., Thangarajah, J., Winikoff, M., & Harland, J. (2017). Requirements specification via activity diagrams for agent-based systems. *Autonomous Agents and Multi-Agent Systems*, 31(3). <https://doi.org/10.1007/s10458-016-9327-7>
- Akor, U. S., Suleiman, A., Gatta&, C., & Umoh, I. E. (2019). Design and Implementation of Digital Prepaid Water Meter Using Arduino for Efficient Water Management. *National Engineering Conference*, 21, 145–148.
- Ali, G., Dida, M. A., & Sam, A. E. (2022). Heuristic Evaluation and Usability Testing of G-MoMo Applications. *Journal of Information Systems Engineering and Management*, 7(3). <https://doi.org/10.55267/iadt.07.12296>
- Alkhafaji, S. M. (2016). User Satisfaction on Mobile Apps: An Analytical Study on Omani Business Environment. *Archives of Business Research*, 4(1). <https://doi.org/10.14738/abr.41.1798>
- Alshamrani, A., & Bahattab, A. (2015). A Comparison Between Three SDLC Models Waterfall Model, Spiral Model, and Incremental/Iterative Model. *IJCSI International Journal of Computer Science Issues*, 12(1).
- Bangkit, H., Fakhrurroja, H., Aripin, I., Supriadi, S., Rahman, M. S. A., & Ahmad, N. (2023). Automatic Water Meter Reading Development Based on CNN and LoRaWAN. *Proceedings - 2023 10th International Conference on Computer, Control, Informatics and its Applications: Exploring the Power of Data*:

*Leveraging Information to Drive Digital Innovation, IC3INA 2023*, 212–215.  
<https://doi.org/10.1109/IC3INA60834.2023.10285780>

Bangor, A., Kortum, P., studies, J. M.-J. of usability, & 2009, undefined. (2009). Determining what individual SUS scores mean: Adding an adjective rating scale. *uxpajournal.orgA Bangor, P Kortum, J MillerJournal of usability studies, 2009•uxpajournal.org*, 4.

Bank Indonesia. (t.t.-a). *QRIS Bank Indonesia*. Bank Indonesia. Diambil 4 Juni 2024, dari <https://www.bi.go.id/QRIS/default.aspx>

Bank Indonesia. (t.t.-b). *Tentang BI*. Bank Indonesia. Diambil 4 Juni 2024, dari <https://www.bi.go.id/id/tentang-bi/default.aspx>

Bhoyer, D., Katey, B., & Ingle, M. (2018). LoRa Technology Based Low Cost Water Meter Reading System. *SSRN Electronic Journal*.  
<https://doi.org/10.2139/ssrn.3172772>

Casadei, V., Granollers, T., & Zaina, L. (2017). Investigating accessibility issues of UI mobile design patterns in online communities: A virtual ethnographic study. *ACM International Conference Proceeding Series*.  
<https://doi.org/10.1145/3160504.3160521>

Chengyu, Z., Rangding, W., Ling, Y., Songyin, F., Fugiang, Z., Qifei, G., & Ming, J. (2017). A Near field communication-enabled water meter system with mobile payment. *Joumal of Computer Applications*, 37(1), 166–169.

Chowdhury, A. E., Bhowmik, A., Hasan, H., & Rahim, M. S. (2020). Analysis of the Veracities of Industry Used Software Development Life Cycle Methodologies. *AIUB Journal of Science and Engineering (AJSE)*, 16(2).  
<https://doi.org/10.53799/ajse.v16i2.71>

Darmawan, I., Anwar, M. S., Rahmatulloh, A., & Sulastri, H. (2022). Design Thinking Approach for User Interface Design and User Experience on Campus Academic Information Systems. *International Journal on Informatics Visualization*, 6(2). <https://doi.org/10.30630/jov.6.2.997>

- Diehl, C., Martins, A., Almeida, A., Silva, T., Ribeiro, Ó., Santinha, G., Rocha, N., & Silva, A. G. (2022). Defining Recommendations to Guide User Interface Design: Multimethod Approach. *JMIR Human Factors*, 9(3). <https://doi.org/10.2196/37894>
- Efrizon, Irmansyah, M., Madona, E., Anggara, N., & Yultrisna. (2021). Design and Development of Water Distribution Monitoring System in Regional Drinking Water Companies (PDAM) Based On Internet Of Things. *Journal of Physics: Conference Series*, 2111(1), 012024. <https://doi.org/10.1088/1742-6596/2111/1/012024>
- Fakhrurroja, H., Valentino, M. R., Musnansyah, A., Wangsaputra, M. W., & Harsono, D. (2023). A wireless inductive-capacitive (LC) sensor for Automatic Water Meter System with Nucleo-WL55. *ICADEIS 2023 - International Conference on Advancement in Data Science, E-Learning and Information Systems: Data, Intelligent Systems, and the Applications for Human Life, Proceeding*. <https://doi.org/10.1109/ICADEIS58666.2023.10270989>
- Farzat, F. D. A., Barros, M. D. O., & Travassos, G. H. (2021). Evolving JavaScript Code to Reduce Load Time. *IEEE Transactions on Software Engineering*, 47(8). <https://doi.org/10.1109/TSE.2019.2928293>
- Fauzan, R., Siahaan, D., Rochimah, S., & Triandini, E. (2021). A Different Approach on Automated Use Case Diagram Semantic Assessment. *International Journal of Intelligent Engineering and Systems*, 14(1). <https://doi.org/10.22266/IJIES2021.0228.46>
- Finstad, K. (2010). Response interpolation and scale sensitivity: evidence against 5-point scales. *Response interpolation and scale sensitivity: evidence against 5-point scales*, 5(3).
- García-Mendoza, B., & Jaimez-Gonzalez, C. R. (2017). A Customisable and Responsive Design Online Booking System. *International Journal of Computer Science and Information Technology*, 9(5). <https://doi.org/10.5121/ijcsit.2017.9506>

- Gosala, B., Chowdhuri, S. R., Singh, J., Gupta, M., & Mishra, A. (2021). Automatic classification of uml class diagrams using deep learning technique: Convolutional neural network. *Applied Sciences (Switzerland)*, 11(9). <https://doi.org/10.3390/app11094267>
- Gülçüoglu, E., Ustun, A. B., & Seyhan, N. (2021). Comparison of Flutter and React Native Platforms. *Journal of Internet Applications and Management*. <https://doi.org/10.34231/iuyd.888243>
- Hanjahanja, R., & Omuto, C. (2018). Do prepaid water meters improve the quality of water service delivery? The case of Nakuru, Kenya. *Smart Water*, 3(1). <https://doi.org/10.1186/s40713-018-0010-9>
- Hansson, N., & Vidhall, T. (2016). Effects on performance and usability for cross-platform application development using React Native. *Department of Computer and Information Science Final*.
- Hevner, A. R., March, S. T., Park, J., & Ram, S. (2004). Design science in information systems research. *MIS Quarterly: Management Information Systems*, 28(1). <https://doi.org/10.2307/25148625>
- Hossain. (2023). Software Development Life Cycle (SDLC) Methodologies for Information Systems Project Management. *International Journal For Multidisciplinary Research*, 5(5). <https://doi.org/10.36948/ijfmr.2023.v05i05.6223>
- Ilyas, Q. M., Ahmad, M., Zaman, N., Alshamari, M. A., & Ahmed, I. (2022). Localized Text-Free User Interfaces. *IEEE Access*, 10. <https://doi.org/10.1109/ACCESS.2021.3139525>
- Kalimuthu, M., Ponraj, A. S., & Christy Jackson, J. (2020). Water management and metering system for smart cities. *International Journal of Scientific and Technology Research*, 9(4).
- Krishnavarty, A. A., Defriani, M., & Hermanto, T. I. (2022). UI/UX Design for Language Learning Mobile Application Chob Learn Thai Using the Design

- Lewis, J. R., & Sauro, J. (2018). Item Benchmarks for the System Usability Scale. *Journal of Usability Studies*, 13(January).
- Liu, X. (2023). Research on Intelligent Water Meter Based on Non Magnetic Sensor and NB-IoT Communication Technology. *Proceedings of 2023 IEEE 16th International Conference on Electronic Measurement and Instruments, ICEMI 2023*, 84–87. <https://doi.org/10.1109/ICEMI59194.2023.10270278>
- Luh, N., Kartika, A., Sarja, Y., Stikom, S., Jl, B., Puputan, R., 86 Renon, N., & Bali, D. (2016). Analisis Pengukuran Faktor Usability Sistem Informasi Konferensi Nasional Sistem dan Informatika STIKOM Bali. *SEMNASTEKNOMEDIA ONLINE*, 4(1).
- Maggidwar, V., Kumbhare, H., Thakre, M., Nagrecha, P., & Bhilkar, R. (2019). Digital Water Quality and Quantity Management System. *International Journal of Research in Engineering, Science and Management*, 2(3).
- Marchesi, L., Marchesi, M., & Tonelli, R. (2020). ABCDE—agile block chain DApp engineering. *Blockchain: Research and Applications*, 1(1–2). <https://doi.org/10.1016/j.bcra.2020.100002>
- Maryani, Prabowo, H., Gaol, F. L., & Hidayanto, A. N. (2022). Comparison of the System Development Life Cycle and Prototype Model for Software Engineering. *International Journal of Emerging Technology and Advanced Engineering*, 12(4). [https://doi.org/10.46338/ijetae0422\\_19](https://doi.org/10.46338/ijetae0422_19)
- Massaro, A., Giannone, D., Birardi, V., & Galiano, A. M. (2021). An innovative approach for the evaluation of the web page impact combining user experience and neural network score. *Future Internet*, 13(6). <https://doi.org/10.3390/fi13060145>
- Mehta, M. S., Misra, R. R., Chaugule, A., & Gupta, J. (2019). Automated Water Metering System. *International Journal of Advanced Research in Computer Science*, 10(2), 49–52. <https://doi.org/10.26483/IJARCS.V10I2.6387>

- Meziane, H., & Ouerdi, N. (2022). A Study of Modelling IoT Security Systems with Unified Modelling Language (UML). *International Journal of Advanced Computer Science and Applications*, 13(11). <https://doi.org/10.14569/IJACSA.2022.0131130>
- Mon, K. T., Wai, K. H., Funabiki, N., & Kyaw, H. H. S. (2022). Value Trace Problems for Code Reading Study of JavaScript Programming. *International Journal of Information and Education Technology*, 12(5). <https://doi.org/10.18178/ijiet.2022.12.5.1637>
- Moran, K. (2019). *Usability Testing 101*. Nielsen Norman Group. <https://www.nngroup.com/articles/usability-testing-101/>
- Musyaffa, L. F., Pramesti, D., Bimantoro, M. R., & Fakhrurroja, H. (2023). Smart Dashboard on an Internet of Things-Based Automatic Water Meter Reading System. *International Conference Advancement in Data Science, E-learning and Information Systems (ICADEIS)*.
- Naik, K., & Tripathy, P. (2008). Software Testing and Quality Assurance: Theory and Practice. Dalam *Software Testing and Quality Assurance: Theory and Practice*. <https://doi.org/10.1002/9780470382844>
- Ntambara, B., Blasius, N., Nyambo, D. G., Kipketer, D., & Ally, M. (2023). A novel and intelligent GSM-based smart prepaid water meter: A case of rural/urban areas in Arusha, Tanzania. *IEEE Potentials*, 42(4). <https://doi.org/10.1109/MPOT.2023.3262908>
- Nurhayata, I. G., Sutaya, I. W., & Ariawan, K. U. (2021). The development of prepaid water meters based on AT89S52 Microcontroller. *Journal of Physics: Conference Series*, 1810(1). <https://doi.org/10.1088/1742-6596/1810/1/012004>
- Peguero, K., & Cheng, X. (2021). CSRF protection in JavaScript frameworks and the security of JavaScript applications. *High-Confidence Computing*, 1(2). <https://doi.org/10.1016/j.hcc.2021.100035>

- Permana, A. D., Faisal, S., & Juwita, A. R. (2022a). Rancang Bangun Alat Monitoring Meteran Air Menggunakan Nodemcu Berbasis Internet of Things. *Journal for Information, Technology and Science*, 3(2), 51–59.
- Permana, A. D., Faisal, S., & Juwita, A. R. (2022b). Rancang Bangun Alat Monitoring Meteran Air Menggunakan Nodemcu Berbasis Internet of Things. *Journal for Information, Technology and Science*, 3(2), 51–59.
- Petersen, K., Feldt, R., Mujtaba, S., & Mattsson, M. (2008). Systematic mapping studies in software engineering. *12th International Conference on Evaluation and Assessment in Software Engineering, EASE 2008*. <https://doi.org/10.14236/ewic/ease2008.8>
- Polishwala, M. V., & Shastri, Dr. A. kumar. (2021). Comparative Analysis of Various Software Development Approaches. *International Journal of Advanced Research in Science, Communication and Technology*. <https://doi.org/10.48175/ijarsct-v2-i3-315>
- Pratama, A., Piarsa, I. N., & Suar Wibawa, K. (2020). Prototipe Sistem Prabayar PDAM Terpadu Menerapkan Teknologi Internet of Thing. *Jusikom : Jurnal Sistem Komputer Musirawas*, 5(2), 82–95. <https://doi.org/10.32767/jusikom.v5i2.1002>
- Pratama, M. A. T., & Cahyadi, A. T. (2020). Effect of User Interface and User Experience on Application Sales. *IOP Conference Series: Materials Science and Engineering*, 879(1). <https://doi.org/10.1088/1757-899X/879/1/012133>
- Rahy, S., & Bass, J. M. (2022). Managing non-functional requirements in agile software development. *IET Software*, 16(1). <https://doi.org/10.1049/sfw2.12037>
- Ramayasa, I. P., & Candrawibawa, I. G. A. (2021). Usability Evaluation of Lecturer Information Systems Using Sirius Framework and Moscow Technique. *Scientific Journal of Informatics*, 8(1). <https://doi.org/10.15294/sji.v8i1.27126>

- Ranisavljević, T., Karabašević, D., Brzaković, M., & Popović, G. (2022). React Native: A Brief Introduction to Modern Cross-Platform Mobile Application Development. *Quaestus*, 21.
- Reddy, D. G., Darshan, V., Salanke, N. S. G. R., Shobha, G., & Manas, M. N. (2024). Aadhaar Enabled Water Distribution System. *Water Resources Management*, 1–13. <https://doi.org/10.1007/S11269-024-03759-2/FIGURES/6>
- Sandesara, M., Bodkhe, U., Tanwar, S., Alshehri, M. D., Sharma, R., Neagu, B. C., Grigoras, G., & Raboaca, M. S. (2022). Design and Experience of Mobile Applications: A Pilot Survey. Dalam *Mathematics* (Vol. 10, Nomor 14). <https://doi.org/10.3390/math10142380>
- Sauro, J., & Lewis, J. R. (2016). Quantifying the User Experience: Practical Statistics for User Research, Second Edition. Dalam *Quantifying the User Experience: Practical Statistics for User Research, Second Edition*.
- Setiyawati, N., & Bangkalang, D. H. (2022). *The Comparison of Evaluation on User Experience and Usability of Mobile Banking Applications Using User Experience Questionnaire and System Usability Scale*. <https://doi.org/10.3390/proceedings2022082087>
- Sholikhan, M. (2022). HTML, CSS dan Javascript. *Penerbit Yayasan Prima Agus Teknik*.
- Souri, A., Ali Sharifloo, M., & Norouzi, M. (2011). Formalizing class diagram in UML. *ICSESS 2011 - Proceedings: 2011 IEEE 2nd International Conference on Software Engineering and Service Science*, 524–527. <https://doi.org/10.1109/ICSESS.2011.5982368>
- Stack Overflow. (2023). *Stack Overflow Developer Survey 2023*. Stack Overflow. <https://survey.stackoverflow.co/2023/#technology-most-popular-technologies>
- Sukma Indrayana, A., Primananda, R., & Amron, K. (2018). Rancang Bangun Sistem Komunikasi Bluetooth Low Energy (BLE) Pada Sistem Pengamatan

Tekanan Darah. *Jurnal Pengembangan Teknologi Informasi dan Ilmu Komputer*, 2(8), 2462–2472. <http://j-ptiik.ub.ac.id>

Syahputra, A. W. R., Rifa'i, M., & Adhisuwignjo, S. (2021). Kontrol Water Flow Smart Metering pada Pemakaian Air PDAM (Perusahaan Daerah Air Minum) Menggunakan Nomor Token. *Jurnal Elektronika dan Otomasi Industri*, 8(1). <https://doi.org/10.33795/elk.v8i1.227>

Taufik, M., Rakhmania, A. E., & Afnani, Y. N. (2020). Prepaid water meter card based on internet of things. *IOP Conference Series: Materials Science and Engineering*, 732(1). <https://doi.org/10.1088/1757-899X/732/1/012105>

Thakare, V. P., Shinde, S., Hadge, R., Chawale, A., Swami, M., Turak, A., & Singh, R. (2019). Design and Implementation of Automatic Water Distribution System With Pre-paid & Post-paid Facility. *International Journal of Analytical, Experimental and Finite Element Analysis (IJAEEA)*, 6(1). <https://doi.org/10.26706/ijaefea.1.6.20190303>

Yao, S., Yang, M., Zhang, P., Zhang, K., Fang, J., Huang, J., Chen, J., & Zhao, Y. (2021). A Small Diameter Ultrasonic Water Meter with Self-Diagnosis Function and Self-Adaptive Technology. *IEEE Access*, 9, 80703–80715. <https://doi.org/10.1109/ACCESS.2021.3085300>

Yenurkar, G., Hukre, D., Lekurwale, S., & Shinde, V. (2019). Consumer Water Distribution and Control System. *International Journal of Research in Engineering Science and Management*, 2(2). [www.ijresm.com](http://www.ijresm.com)