



DAFTAR PUSTAKA

- [1] W. Wardiana, “Perkembangan Teknologi Informasi di Indonesia,” in *Seminar dan Pameran Teknologi Informasi 2002, Fakultas Teknik Universitas Komputer Indonesia (UNIKOM) Jurusan Teknik Informatika*, 2002.
- [2] APJII, “Penetrasi dan Perilaku Pengguna Internet Indonesia,” *Apjii*, no. Penetrasi dan Perilaku Pengguna Internet Indonesia, pp. 1–34, 2019.
- [3] A. Bera, “80 Mind-Blowing IoT Statistics (Infographic),” 2019. [Online]. Available: <https://safeatlast.co/blog/iot-statistics/>. [Accessed: 15-Jun-2019].
- [4] World Economic Forum, “What is the Fourth Industrial Revolution? - YouTube,” *World Economic Forum*, 2016. [Online]. Available: <https://www.weforum.org/agenda/2016/01/what-is-the-fourth-industrial-revolution/>. [Accessed: 17-Jun-2019].
- [5] A. Shemshadi, Q. Z. Sheng, Y. Qin, A. Sun, W. E. Zhang, and L. Yao, “Searching for the internet of things: where it is and what it looks like,” *Pers. Ubiquitous Comput.*, vol. 21, no. 6, pp. 1097–1112, 2017.
- [6] A. Schafer and D. G. Victor, “The future mobility of the world population,” *Transp. Res. Part A Policy Pract.*, vol. 34, no. 3, pp. 171–205, 2000.
- [7] M. Aleksandrova, “IoT in Agriculture: 5 Technology Use Cases for Smart Farming (and 4 Challenges to Consider) : Eastern Peak,” *Eastern Peak - Blog*, 2018. [Online]. Available: <https://easternpeak.com/blog/iot-in-agriculture-5-technology-use-cases-for-smart-farming-and-4-challenges-to-consider/>. [Accessed: 17-Jun-2019].
- [8] A. Azis, “Pengembangan RESTful API untuk Mendukung Sistem Pemantauan Perkebunan Kelapa Sawit,” Skripsi, Departemen Teknik Elektro dan Teknologi Informasi, Universitas Gadjah Mada, Yogyakarta, 2017.
- [9] A. G. H. Pratama, “Pengembangan Sistem Informasi Pemantauan Lahan Kelapa Sawit dengan Pendekatan Progressive Web App,” Skripsi, Departemen Teknik Elektro dan Teknologi Informasi, Universitas Gadjah Mada, Yogyakarta, 2017.



- [10] R. A. Partadiredja, “Pengembangan Prototipe Antarmuka Peranti Bergerak Sistem Informasi Bus Menggunakan The Elements of User Experience,” Skripsi, Departemen Teknik Elektro dan Teknologi Informasi, Universitas Gadjah Mada, Yogyakarta, 2016.
- [11] B. L. Anggoro, “Pengembangan Antarmuka Sistem Informasi Internal Subsistem Penerbitan berbasis User Centered Design (Studi Kasus di UGM Press),” Skripsi, Departemen Teknik Elektro dan Teknologi Informasi, Universitas Gadjah Mada, Yogyakarta, 2018.
- [12] F. N. Alfani, “Pengembangan dan Evaluasi Antarmuka Sistem Informasi Manajemen Rumah Sakit Hewan Prof. Soeparwi Subsistem Administrasi Menggunakan Metode Goal-Directed Design,” Skripsi, Departemen Teknik Elektro dan Teknologi Informasi, Universitas Gadjah Mada, Yogyakarta, 2018.
- [13] A. Williams, “User-centered design, activity-centered design, and goal-directed design: A review of three methods for designing web applications,” *SIGDOC'09 - Proc. 27th ACM Int. Conf. Des. Commun.*, pp. 1–8, 2009.
- [14] R. Stair and G. Reynolds, *Fundamentals of Information Systems, 4th Edition*, Fourth Edi. New York, NY, USA: Course Technology; 4 edition (January 4, 2007), 2007.
- [15] R. Stair and G. Reynolds, *Principles of Information Systems: a managerial Approach, 9th Edition*. New York, NY, USA: Course Technology Ptr (Sd); 9th edition (December 31, 1997), 2010.
- [16] T. Noda, “ChapterVII-Monitoring_Information_System,” in *People’s Process in Post-disaster and Post-conflict Recovery and Reconstruction*, L. Lankatilleke and O. A. Barrios, Eds. Fukuoka, Japan: UN-HABITAT Regional Office for Asia and the Pacific, 2007, p. 60.
- [17] Jie Tan, L. Xu, T. Li, P. Bin Su, and P. J. Wu, “Image-Contrast Technology Based on the Electrochemiluminescence of Porous Silicon and Its Application in Fingerprint Visualization†,” *P534*, p. 60, 2014.
- [18] A. Enshassi, “A monitoring and controlling system in managing infrastructure projects,” *Build. Res. Inf.*, vol. 24, no. 3, pp. 183–189, May 1996.
- [19] K. Karimi and G. Atkinson, “What the Internet of Things (IoT) Needs to Become a Reality,”



Freescale

White

Paper,

2014.

[Online].

Available:

http://www.freescale.com/files/32bit/doc/white_paper/INTOTHNGSWP.pdf. [Accessed: 20-Jun-2019].

- [20] M. Soni and S. T. Edwin, “Challenges , Applications and Future Technologies in ‘ Internet of Things ,’” *Int. J. Adv. Res. Comput. Commun. Eng.*, vol. 6, no. 11, pp. 132–136, 2017.
- [21] A. V. Sutagundar and D. Hatti, “Data Management in Internet of Things,” *The Internet of Things*, vol. 20, no. 2, pp. 365–382, 2017.
- [22] S. Ariyanti *et al.*, *Implementasi Internet of Things (IoT) Untuk Sektor Kesehatan*. Jakarta: Puslitbang Sumber Daya, Perangkat, dan Penyelenggaraan Pos dan Informatika Badan Penelitian dan Pengembangan Sumber Daya Manusia Kementerian, 2016.
- [23] K. Rong, G. Hu, Y. Lin, Y. Shi, and L. Guo, “Understanding business ecosystem using a 6C framework in Internet-of-Things-based sectors,” *Int. J. Prod. Econ.*, vol. 159, pp. 41–55, 2015.
- [24] H. S. Bisht, “HTML | Introduction,” 2019. [Online]. Available: <https://www.geeksforgeeks.org/html-introduction/>. [Accessed: 20-Jun-2019].
- [25] C. McKenzle, “Definition JavaScript,” 2019. [Online]. Available: <https://www.theserverside.com/definition/JavaScript>. [Accessed: 20-Jun-2019].
- [26] H. Soffar, “JavaScript features, uses, advantages and disadvantages,” 2019. [Online]. Available: <https://www.online-sciences.com/programming/javascript-features-uses-advantages-and-disadvantages/>. [Accessed: 20-Jun-2019].
- [27] M. D. C. Nugroho, “Ayo Ngoding,” 2019. [Online]. Available: <https://www.ayongoding.net/apa-itu-vue-js-dan-fitur-yang-dimilikinya/>. [Accessed: 22-Jun-2019].
- [28] M. A. Ganiardi, “Perbandingan Website Vue.js dengan Vanilla.js,” *J. Politek. Bandung*, vol. 2, no. 2006, pp. 18–44, 2010.
- [29] V. Js, “What is Vue.js?,” 2019. [Online]. Available: <https://vuejs.org/v2/guide/>. [Accessed: 22-Jun-2019].



- [30] T. Hossain, “What are the pros and cons of using Vue.js,” 2017. [Online]. Available: <https://towardsdatascience.com/what-are-the-pros-and-cons-of-using-vue-js-3689d00d87b0>. [Accessed: 22-Jun-2019].
- [31] N. Hajdarbegovic, “Learn About Bootstrap : Get Started Developing Responsive Websites,” 2019. [Online]. Available: <https://www.whoishostingthis.com/resources/bootstrap/#features>. [Accessed: 22-Jun-2019].
- [32] J. Recker, “Opportunities and constraints: The current struggle with BPMN,” *Bus. Process Manag. J.*, vol. 16, no. 1, pp. 181–201, 2010.
- [33] R. Gabryelczyk and A. Jurczuk, “Does Experience Matter? Factors Affecting the Understandability of the Business Process Modelling Notation,” *Procedia Eng.*, vol. 182, pp. 198–205, Jan. 2017.
- [34] K. Lano, “Introduction to the Unified Modeling Language,” *UML 2 Semantics and Applications*, 2009. [Online]. Available: <https://developer.ibm.com/articles/an-introduction-to-uml/>. [Accessed: 22-Jun-2019].
- [35] S.Sparx, “Unified Modeling Language (UML) | State Diagrams,” 2019. [Online]. Available: <https://sparxsystems.com/platforms/uml.html>. [Accessed: 22-Jun-2019].
- [36] S. Sagar, “UML Diagrams Point Of Sale Terminal | Programs and Notes for MCA,” 2019. [Online]. Available: <http://www.programsformca.com/2012/03/uml-diagrams-point-of-sale-terminal.html>. [Accessed: 09-Oct-2019].
- [37] Visual Paradigm, “What is Unified Modeling Language (UML)?,” www.visual-paradigm.com, 2017. [Online]. Available: <https://www.visual-paradigm.com/guide/uml-unified-modeling-language/what-is-uml/>. [Accessed: 22-Jun-2019].
- [38] A. Cooper, R. Reimann, and D. Cronin, *About Face 3: The Essentials of Interaction Design*. New York, NY, USA, 2007.
- [39] Usability Partners, “ISO standards Standards in usability and user-centred design,” 2015. [Online]. Available: <http://www.usabilitypartners.se/about-usability/iso-standards>. [Accessed: 22-Jun-2019].



- [40] B. University, “Usability Vs User Experience,” *Binus University*, 2015. [Online]. Available: <https://socs.binus.ac.id/2015/09/18/usability-vs-user-experience/>. [Accessed: 22-Jun-2019].
- [41] TrymyUI, “SUS : The System Usability Scale Interpreting your System Usability Scale results,” 2019. [Online]. Available: <https://www.trymyui.com/sus-system-usability-scale>. [Accessed: 22-Jun-2019].
- [42] I. S. Venticinque, “Sintassi Java Commenti java,” *J. Usability Stud.*, vol. 4, no. 3, pp. 114–123, 2009.
- [43] M. E. Khan, “Different forms of software testing techniques for finding errors,” *Int. J. Comput. Sci. Issues*, vol. 7, no. 3, pp. 11–16, 2010.
- [44] K. Mohd. Ehmer and K. Farmeena, “A Comparative Study of White Box , Black Box and Grey Box Testing Techniques,” *Int. J. Adv. Comput. Sci. Appl.*, vol. 3, no. 6, pp. 12–15, 2012.
- [45] E. Ilama, “Creating Personas,” *UXBooth*, 2015. [Online]. Available: <http://www.uxbooth.com/articles/creating-personas/>. [Accessed: 22-Jun-2019].
- [46] B. Putra, “Perancangan Kontroler Game Mobile Menggunakan Gyroscope Dengan Algoritma Pid Dan Kalman Filtering Berbasis Arduino Nano Dan Unity,” 2017.
- [47] Z. S. Wijaya, “Pembangunan Sistem Informasi Perusahaan Berbasis Web Di CV. Yeji Jaya Sentosa,” Bandung, 2010.
- [48] S. Roohullah Jan, S. Tauhid Ullah Shah, Z. Ullah Johar, Y. Shah, and F. Khan, “An Innovative Approach to Investigate Various Software Testing Techniques and Strategies,” *Int. J. Sci. Res. Sci. Eng. Technol.*, vol. 2, no. 2, pp. 682–689, 2016.
- [49] Z. Sharfina and H. B. Santoso, “An Indonesian adaptation of the System Usability Scale (SUS),” *2016 Int. Conf. Adv. Comput. Sci. Inf. Syst. ICACSIS 2016*, pp. 145–148, 2017.
- [50] N. Bevan, C. Barnum, G. Cockton, J. Nielsen, J. Spool, and D. Wixon, “The ‘magic number 5,’” *CHI ’03 Ext. Abstr. Hum. factors Comput. Syst. - CHI ’03*, no. 5, p. 698, 2003.
- [51] L. Faulkner, “Beyond the five-user assumption: Benefits of increased sample sizes in



PENGEMBANGAN FRONT END SISTEM SMART FARMING BERBASIS WEB

Zati Hulwani, I Wayan Mustika, S.T., M.Eng., Ph.D.; Warsun Najib, S.T., M.Sc.

Universitas Gadjah Mada, 2019 | Diunduh dari <http://etd.repository.ugm.ac.id/>

130

UNIVERSITAS
GADJAH MADA

usability testing," *Behav. Res. Methods, Instruments, Comput.*, vol. 35, no. 3, pp. 379–383,

2003.