

## DAFTAR PUSTAKA

- [1] Merriam-Webster, “Food definition and meaning - merriam-webster,” 2023, [Online]. Available: <https://www.merriam-webster.com/dictionary/food#:~:text=%3A%20something%20that%20nourishes%2C%20sustains%2C%20or%20supplies>, [Accessed February 20, 2023].
- [2] Badan Pusat Statistik, “Prevalensi ketidakcukupan konsumsi pangan (persen),” 2021, [Online]. Available: [https://www.bps.go.id/indikator/indikator/view\\_data/0000/data/1473/sdgs\\_2/1](https://www.bps.go.id/indikator/indikator/view_data/0000/data/1473/sdgs_2/1), [Accessed February 20, 2023].
- [3] Food and Agriculture Organization of The United Nations, “Technical platform on the measurement and reduction of food loss and waste,” 2019, [Online]. Available: <https://www.fao.org/platform-food-loss-waste/food-waste/introduction/en/>, [Accessed September 8, 2022].
- [4] Kementerian Perencanaan Pembangunan Nasional, “Laporan Kajian Food Loss and Waste di Indonesia Dalam Rangka Mendukung Penerapan Ekonomi Sirkular dan Pembangunan Rendah Karbon,” p. 8, 2021.
- [5] ——, “Laporan Kajian Food Loss and Waste di Indonesia Dalam Rangka Mendukung Penerapan Ekonomi Sirkular dan Pembangunan Rendah Karbon,” p. 20, 2021.
- [6] ——, “Laporan Kajian Food Loss and Waste di Indonesia Dalam Rangka Mendukung Penerapan Ekonomi Sirkular dan Pembangunan Rendah Karbon,” p. 29, 2021.
- [7] Pemerintah Indonesia, “Peraturan Presiden Republik Indonesia Nomor 18 Tahun 2020 Tentang Rencana Pembangunan Jangka Menengah Nasional Tahun 2020-2024,” 2019, [Online]. Available: <https://peraturan.bpk.go.id/Home/Details/131386/perpres-no-18-tahun-2020>, [Accessed February 19, 2023].
- [8] Kementerian Perencanaan Pembangunan Nasional, “Laporan Kajian Food Loss and Waste di Indonesia Dalam Rangka Mendukung Penerapan Ekonomi Sirkular dan Pembangunan Rendah Karbon,” p. 64, 2021.
- [9] ——, “Laporan Kajian Food Loss and Waste di Indonesia Dalam Rangka Mendukung Penerapan Ekonomi Sirkular dan Pembangunan Rendah Karbon,” p. 26, 2021.
- [10] John Amiel R. Morilla, Phillip Carl Bagsic, Mark Kenneth Dela Cruz, and Carl Daniel A. Patio and Emeliza R. Yabut, “Foodernity: A Mobile and Web Application for Food Sharing,” *2021 1st International Conference in Information and Computing Research (iCORE)*, p. 90, 2021. [Online]. Available: <https://ieeexplore-ieee-org.ezproxy.ugm.ac.id/stamp/stamp.jsp?tp=&arnumber=9681394&tag=1>
- [11] Garda Pangan, “Tentang kami - garda pangan,” 2018, [Online]. Available: <https://gardapangan.org/tentang-kami/>, [Accessed June 15, 2023].
- [12] Foodbank of Indonesia, “Siapa kita - foodbank of indonesia,” 2021, [Online]. Available: <https://foodbankindonesia.org/siapa-kita/>, [Accessed June 15, 2023].
- [13] J. Vogels, S. van der Haar, G. G. Zeinstra, and H. Bos-Brouwers, “Ict tools for food management and waste prevention at the consumer level,” 2018.

- [14] Ahmed Fadhil, “A review of empirical applications on food waste prevention management,” 2018.
- [15] H. Hajjdiab, A. Anzer, H. A. Tabaza, and W. Ahmed, “A food wastage reduction mobile application,” in *2018 6th International Conference on Future Internet of Things and Cloud Workshops (FiCloudW)*, 2018, pp. 152–157.
- [16] S. Saraswati, S. Aminah, and B. K. Kristanto, “Pengembangan aplikasi berbagi makanan berbasis android,” *Prosiding SISFOTEK*, vol. 6, no. 1, pp. 92–97, Oct. 2022. [Online]. Available: <https://seminar.iaii.or.id/index.php/SISFOTEK/article/view/331>
- [17] B. N. Ngugi, “A mobile application that enables restaurants list their left-over food at discounted rates in nairobi,” 2019.
- [18] R. Shinta Oktaviana, D. A. Febriani, I. Yoshana, and L. Payanta, “Foodx, a system to reduce food waste,” in *2020 3rd International Conference on Computer and Informatics Engineering (IC2IE)*, 2020, pp. 361–365.
- [19] D. E. Prastowo, “Pengembangan aplikasi berbagi makanan (food sharing) berbasis web untuk membantu mengurangi makanan sisa,” 2017.
- [20] A. Andres, E. S. Tanjaya, Ghaniyardi, J. C. Sandhi, and H. L. H. S. Warnars, “Sharing food with foodlifesavr smartphone app,” in *2022 Second International Conference on Artificial Intelligence and Smart Energy (ICAIS)*, 2022, pp. 764–770.
- [21] MDN, “Html - mdn web docs glossary: Definitions of web-related terms | mdn,” 2023, [Online]. Available: <https://developer.mozilla.org/en-US/docs/Glossary/HTML>, [Accessed June 16, 2023].
- [22] W3C, “Html css - w3c,” 2016, [Online]. Available: <https://www.w3.org/standards/webdesign/htmlcss>, [Accessed June 16, 2023].
- [23] Chua Hock-Chuan, “Javascript tutorial - the basics,” 2022, [Online]. Available: [https://www3.ntu.edu.sg/home/ehchua/programming/webprogramming/JavaScript\\_Introduction.html](https://www3.ntu.edu.sg/home/ehchua/programming/webprogramming/JavaScript_Introduction.html), [Accessed June 16, 2023].
- [24] ECMA International, “Ecma - 404 - ecma international,” 2017, [Online]. Available: <https://www.ecma-international.org/publications-and-standards/standards/ecma-404/>, [Accessed June 16, 2023].
- [25] JSON.org, “Json,” 2017, [Online]. Available: <https://www.json.org/json-en.html>, [Accessed June 16, 2023].
- [26] Ghansham Jadhav, Flavia Gonsalves, “Role of node.js in modern web application development,” *International Research Journal of Engineering and Technology (IR-JET)*, vol. 07, p. 6145, Jun. 2020.
- [27] OpenJS Foundation, “About | node js,” 2023, [Online]. Available: <https://nodejs.org/en/about>, [Accessed June 16, 2023].
- [28] A. Mardan, *Starting with Express.js*, 12 2014, pp. 3–14.

- [29] G. for Developers, “Geolocation api overview - google for developers,” 2017, [Online]. Available: <https://developers.google.com/maps/documentation/geolocation/overview>, [Accessed June 17, 2023].
- [30] IBM, “What is an application programming interface (api)?” 2021, [Online]. Available: <https://www.ibm.com/topics/api>, [Accessed June 16, 2023].
- [31] A. Roxin, J. Gaber, M. Wack, and A. Nait-Sidi-Moh, “Survey of wireless geolocation techniques,” in *2007 IEEE Globecom Workshops*, 2007, p. 6.
- [32] Google Maps Platform, “Geolocation api overview - google for developers,” 2023, [Online]. Available: <https://developers.google.com/maps/documentation/geolocation/overview>, [Accessed June 16, 2023].
- [33] C. Gentile, N. Alsindi, R. Raulefs, and C. Teolis, *Geolocation Techniques: Principles and Applications*, 07 2014.
- [34] A. Roxin, J. Gaber, M. Wack, and A. Nait-Sidi-Moh, “Survey of wireless geolocation techniques,” in *2007 IEEE Globecom Workshops*, 2007, p. 2.
- [35] electronics-notes.com, “Free space path loss: details calculator,” 2023, [Online]. Available: <https://www.electronics-notes.com/articles/antennas-propagation/propagation-overview/free-space-path-loss.php>, [Accessed June 17, 2023].
- [36] C. Owusu, Y. Lan, M. Zheng, W. Tang, and E. Delmelle, *Geocoding Fundamentals and Associated Challenges*, 09 2017, p. 3.
- [37] D. Li, *Geocoding and Reverse Geocoding*, 05 2018, p. 103.
- [38] J. Liu, H. Li, Y. Gao, H. Yu, and D. Jiang, “A geohash-based index for spatial data management in distributed memory,” in *2014 22nd International Conference on Geoinformatics*, 2014, p. 1.
- [39] C. Zhou, H. Lu, Y. Xiang, J. Wu, and F. Wang, “Geohashtile: Vector geographic data display method based on geohash,” *ISPRS International Journal of Geo-Information*, vol. 9, no. 7, 2020. [Online]. Available: <https://www.mdpi.com/2220-9964/9/7/418>
- [40] I. S. Suwardi, D. Dharma, D. P. Satya, and D. P. Lestari, “Geohash index based spatial data model for corporate,” in *2015 International Conference on Electrical Engineering and Informatics (ICEEI)*, 2015, p. 483.
- [41] geohash-softeng.co, “Geohash explorer,” [Online]. Available: <https://geohash.softeng.co/>, [Accessed June 17, 2023].
- [42] ——, “Geohash explorer,” [Online]. Available: <https://geohash.softeng.co/qqw7zd>, [Accessed June 17, 2023].
- [43] W3C, “Mobile web application best practices,” 2010, [Online]. Available: <https://www.w3.org/TR/mwabp/#webapp-defined>, [Accessed June 16, 2023].
- [44] MDN, “Service worker api - web apis | mdn,” 2023, [Online]. Available: [https://developer.mozilla.org/en-US/docs/Web/API/Service\\_Worker\\_API](https://developer.mozilla.org/en-US/docs/Web/API/Service_Worker_API), [Accessed June 17, 2023].



- [45] ——, “Serviceworkercontainer: register() method - web apis | mdn,” 2023, [Online]. Available: <https://developer.mozilla.org/en-US/docs/Web/API/ServiceWorkerContainer/register>, [Accessed June 17, 2023].
- [46] Kayce Basques, Matt Gaunt, “Push notifications overview,” 2020, [Online]. Available: <https://web.dev/push-notifications-overview/>, [Accessed June 17, 2023].
- [47] MDN, “Notification: requestpermission() static method | mdn,” 2023, [Online]. Available: [https://developer.mozilla.org/en-US/docs/Web/API/Notification/requestPermission\\_static](https://developer.mozilla.org/en-US/docs/Web/API/Notification/requestPermission_static), [Accessed June 17, 2023].
- [48] Vercel, “Building your application: Rendering | next.js,” 2023, [Online]. Available: <https://nextjs.org/docs/app/building-your-application/rendering/static-and-dynamic-rendering>, [Accessed June 17, 2023].
- [49] ——, “Building your application | next.js,” 2023, [Online]. Available: <https://nextjs.org/docs/app/api-reference/components>, [Accessed June 17, 2023].
- [50] Stinivasa A H, Yashaswini K, “Introduction to reactjs,” *International Advanced Research Journal in Science, Engineering and Technology*, vol. 08, p. 202, Feb. 2021.
- [51] Tailwind Labs Inc.l, “Responsive design - tailwind css,” 2023, [Online]. Available: <https://tailwindcss.com/docs/responsive-design>, [Accessed June 18, 2023].
- [52] A. S. M. Venigalla and S. Chimalakonda, “What’s in a github repository? – a software documentation perspective,” p. 1, 02 2021.
- [53] Soundarya R, B. K. Srinivas, “Automation of end-to-end testing and their importance,” *International Journal for Research in Applied Science Engineering Technology (IJRASET)*, vol. 10, p. 4280, Jul. 2022.
- [54] M. Leotta, D. Clerissi, F. Ricca, and P. Tonella, *Approaches and Tools for Automated End-to-End Web Testing*, 01 2016, vol. 101, p. 195.
- [55] ——, *Approaches and Tools for Automated End-to-End Web Testing*, 01 2016, vol. 101, p. 200.
- [56] ——, *Approaches and Tools for Automated End-to-End Web Testing*, 01 2016, vol. 101, p. 196.
- [57] W. Welda, D. M. D. U. Putra, and A. M. Dirgayusari, “Usability testing website dengan menggunakan metode system usability scale (sus)s,” *International Journal of Natural Science and Engineering*, vol. 4, no. 3, p. 152–161, Nov. 2020. [Online]. Available: <https://ejournal.undiksha.ac.id/index.php/IJNSE/article/view/28864>
- [58] J. C. Bastien, “Usability testing: a review of some methodological and technical aspects of the method,” *International Journal of Medical Informatics*, vol. 79, no. 4, p. e19, 2010, human Factors Engineering for Healthcare Applications Special Issue. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S1386505608002098>
- [59] J. Brooke, “Sus: A quick and dirty usability scale,” *Usability Eval. Ind.*, vol. 189, p. 3, 11 1995.



[60] ——, “Sus: A quick and dirty usability scale,” *Usability Eval. Ind.*, vol. 189, p. 4, 11 1995.

- [61] Sugiyono, *Metode penelitian dan pengembangan untuk bidang pendidikan, manajemen, sosial, teknik: Research and development/*, 3rd ed. Alfabeta, 2017.
- [62] K. M. Ramachandran and C. P. Tsokos, “Chapter 11 - categorical data analysis and goodness-of-fit tests and applications,” in *Mathematical Statistics with Applications in R (Third Edition)*, third edition ed., K. M. Ramachandran and C. P. Tsokos, Eds. Academic Press, 2021, pp. 461–490. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/B9780128178157000117>
- [63] Y. Akmal and Marwan, *ANALISIS JALUR DAN APLIKASI SPSS VERSI 25*, 07 2019.
- [64] ——, *ANALISIS JALUR DAN APLIKASI SPSS VERSI 25*. Sefa Bumi Persada, 07 2019.
- [65] Harinaldi, *PRINSIP-PRINSIP STATISTIK TEKNIK DAN SAINS*. Erlangga, 2005.
- [66] I. Sommerville, *Software Engineering*, 10th ed. Pearson, 2015, p. 28.
- [67] ——, *Software Engineering*, 10th ed. Pearson, 2015, p. 30.
- [68] ——, *Software Engineering*, 10th ed. Pearson, 2015, p. 31.
- [69] I. A. H.N, P. I. Nugroho, and R. Ferdiana, “Pengujian usability website menggunakan system usability scale,” *Jurnal Ilmu Pengetahuan dan Teknologi Komunikasi*, vol. 17, no. 1, pp. 31–38, 2015.
- [70] J. Brooke, “Sus: A quick and dirty usability scale,” *Usability Eval. Ind.*, vol. 189, 11 1995.
- [71] I. Sommerville, *Software Engineering*, 10th ed. Pearson, 2015, p. 84.
- [72] ——, *Software Engineering*, 10th ed. Pearson, 2015, p. 85.
- [73] A. Bangor, P. T. Kortum, and J. T. Miller, “An empirical evaluation of the system usability scale,” *International Journal of Human–Computer Interaction*, vol. 24, no. 6, pp. 574–594, 2008. [Online]. Available: <https://doi.org/10.1080/10447310802205776>
- [74] T. Tullis and J. Stetson, “A comparison of questionnaires for assessing website usability,” 06 2006.
- [75] J. Brooke, “Sus: a retrospective,” *Journal of Usability Studies*, vol. 8, pp. 29–40, 01 2013.
- [76] A. Bangor, P. Kortum, and J. Miller, “Determining what individual sus scores mean: Adding an adjective rating scale,” *J. Usability Studies*, vol. 4, no. 3, p. 114–123, may 2009.
- [77] P. Jeff Sauro, “Measuring usability with the system usability scale (sus),” 2011, [Online]. Available: <https://measuringu.com/sus/>, [Accessed July 6, 2023].

- [78] P. Mishra, C. Pandey, U. Singh, A. Gupta, C. Sahu, and A. Keshri, “Descriptive statistics and normality tests for statistical data,” *Annals of Cardiac Anaesthesia*, vol. 22, pp. 67–72, 01 2019.
- [79] A. Ye, Q. Chen, and L. Xu, “Private and flexible proximity detection based on geohash,” in *2017 IEEE 85th Vehicular Technology Conference (VTC Spring)*, 2017, pp. 1–5.
- [80] E. Adadan and F. Savasci, “An analysis of 16–17-year-old students’ understanding of solution chemistry concepts using a two-tier diagnostic instrument,” *International Journal of Science Education*, vol. 34, no. 4, p. 524, 2012. [Online]. Available: <https://doi.org/10.1080/09500693.2011.636084>