

DAFTAR PUSTAKA

- [1] R. Y. Endra, Y. Aprilinda, Y. Y. Dharmawan, and W. Ramadhan, “Analisis perbandingan bahasa pemrograman php laravel dengan php native pada pengembangan website,” *EXPERT: Jurnal Manajemen Sistem Informasi dan Teknologi*, vol. 11, p. 48, 6 2021.
- [2] Z. K. Mundargi, K. Patel, A. Patel, R. More, S. Pathrabe, and S. Patil, “Plotplay: An automated data visualization website using python and plotly,” in *2023 International Conference for Advancement in Technology, ICONAT 2023*. Institute of Electrical and Electronics Engineers Inc., 2023.
- [3] F. Boström, A. Dahlberg, W. Linderöth, M. Lamb, and J. Steinhauer, “A performance investigation into javascript visualization libraries with the focus on render time and memory usage: A performance measurement of different libraries and statistical charts,” Tech. Rep., 2022.
- [4] J. Persson, “Scalability of javascript libraries for data visualization bachelor degree project in information technology basic level 30 ects spring term 2021,” Tech. Rep., 2021.
- [5] Chart.js, “Chart.js samples,” pp. 1–1, 2 2025.
- [6] D3, “What is d3?”
- [7] ossinsight, “Javascript charting - ranking.”
- [8] A. H. Renear, S. Sacchi, and K. M. Wickett, “Definitions of dataset in the scientific and technical literature,” in *Proceedings of the ASIST Annual Meeting*, vol. 47, 11 2010.
- [9] M. D. Khairy, A. N. Defitri, A. Hadi, A. Nuzuli, A. L. Dyakiyyah, and A. Heryanto, “Netplg journal of network and computer applications pengolahan data sensor iot dengan apache spark menggunakan metode batch processing,” *NetPLG*, vol. 2, 10 2023. [Online]. Available: <https://jurnal.netplg.com/jnca>
- [10] S. Vučetić, M. Vulović, D. Radosavljević, P. Milić, J. Lekić, and B. Milosavljević, “Open data visualization by using javascript libraries,” Tech. Rep., 2023. [Online]. Available: <https://data.gov.rs/sr/datasets/ustanove-kulture-biblioteke-1>

- [11] S. Manna and A. Banerjee, "Experimental study on mqtt protocol based home automation system with enhancement," in *Proceedings - 2024 4th International Conference on Computer, Communication, Control and Information Technology, C3IT 2024*. Institute of Electrical and Electronics Engineers Inc., 2024.
- [12] P. Toppany, D. Kurnia, Janizal, and P. Aji, "Integrasi framework bootstrap dan chart.js untuk visualisasi data sensor pada sistem hidroponik berbasis internet of things (iot)," 2023.
- [13] L. Rothenhäusler, "d3.js and its potential in data visualization creating a diagram showcase using ukrainian refugee data," 8 2022.
- [14] M. Triawan, H. Husnawati, and F. Humam, "Sistem pemantauan lingkungan menggunakan sensor bme280 berbasis internet of things," *Generic*, vol. 15, pp. 37–41, 6 2023.
- [15] G. C. G. D. Melo, I. C. Torres, Ícaro Bezzera Queiroz De Araújo, D. B. Brito, and E. D. A. Barboza, "A low-cost iot system for real-time monitoring of climatic variables and photovoltaic generation for smart grid application a low-cost iot system for real-time monitoring of climatic variables and photovoltaic generation for smart," *Grid Application. Sensors*, 5 2021.
- [16] G. Danielyan, "Analysis of data visualization tools and approaches," Tech. Rep., 2018.
- [17] L. A. Gokhale, B. Vidyapeeth, K. Nilesh, M. B. Vidyapeeth, . Kirti, N. Mahajan, . Leena, and A. Gokhale, "Comparative study of data visualization tools," Tech. Rep., 2020. [Online]. Available: <https://www.researchgate.net/publication/344425307>
- [18] S. Benbba, "Comparison of d3.js and chart.js as visualisation tools," Tampere University, Tech. Rep., 4 2021.
- [19] H. M. Millqvist, N. Bolin, A. Márki, and J. Steinhauer, "En jämförelse av prestanda och skalbarhet för grafgenerering i datavisualiserande javascript-bibliotek a comparison of performance and scalability of chart generation for javascript data visualisation libraries," Tech. Rep., 2022.
- [20] N. W. Kim, G. Ataguba, S. C. Joyner, C. Zhao, and H. Im, "Beyond alternative text and tables: Comparative analysis of visualization tools and accessibility methods," *Computer Graphics Forum*, vol. 42, pp. 323–335, 6 2023.

- [21] Laravel, “Why laravel?”
- [22] w3schools.com, “Javascript introduction.”
- [23] Highcharts, “Highcharts documentation.” [Online]. Available: <https://www.highcharts.com/docs/index>
- [24] A. Unwin, “Why is data visualization important? what is important in data visualization?” *Harvard Data Science Review*, 1 2020.
- [25] R. P. Sari and M. H. MT, “Analisis jumlah penerimaan pajak bumi dan bangunan di kecamatan gunung labuhan way kanan,” *JTAM — Jurnal Teori dan Aplikasi Matematika*, vol. 3, p. 22, 4 2019.
- [26] E. I. Wahyuni, S. A. Gani, H. Aryanto, A. K. Siregar, and Q. Aini, “Analisis perancangan sistem informasi pendaftaran siswa baru tk putiek nanggroe berbasis web menggunakan unified modeling language,” Tech. Rep.
- [27] S. Al-Fedaghi, “Uml sequence diagram: An alternative model,” Tech. Rep. [Online]. Available: www.thesai.org
- [28] I. K. Setiawan and A. I. I. Paramitha, “Prototype mobile application menggunakan metode five planes pada startup mainheal,” Tech. Rep.
- [29] L. Mykhailo and S. Yevgeniya, “Real-time data visualization for iot network systems: Challenges and strategies for performance optimization,” *System technologies*, vol. 5, pp. 52–61, 3 2024.
- [30] S. Egger-Lampl, T. Hossfeld, R. Schatz, and M. Fiedler, “Waiting times in quality of experience for web based services,” in *2012 4th International Workshop on Quality of Multimedia Experience, QoMEX 2012*, 6 2012.
- [31] D. J. Paradis and B. Segee, “Remote rendering and rendering in virtual machines,” 2016.
- [32] A. Yıldız, H. F. Ugurdag, B. Aktemur, D. İskender, and S. Gören, “Cpu design simplified,” in *2018 3rd International Conference on Computer Science and Engineering (UBMK)*, 2018, pp. 630–632.
- [33] A. B. Bondi, “Characteristics of scalability and their impact on performance,” Tech. Rep., 2000. [Online]. Available: <http://www.whatis.com/scalabil.htm>.
- [34] I. H. Nurwarsito, M. K. Barlian, H. P. St, M. T. Eko, S. Pramukantoro, S. Kom, and M. Kom, “Arsitektur dan organisasi komputer i internal memori,” Tech. Rep.

- [35] R. K. Kasera and T. Acharjee, “A comprehensive iot edge based smart irrigation system for tomato cultivation,” *Internet of Things (Netherlands)*, vol. 28, 12 2024.
- [36] T. Suryana, “Membangun stasiun cuaca dengan bme 280 untuk monitoring suhu, kelembaban, tekanan udara dan ketinggian,” Tech. Rep., 2022. [Online]. Available: <https://github.com/nodemcu/nodemcu-devkit>
- [37] Flask, “Flask documentation.”
- [38] S. Diantika, “Penerapan teknik random oversampling untuk mengatasi imbalance class dalam klasifikasi website phishing menggunakan algoritma lightgbm,” Tech. Rep., 2023.
- [39] R. Akbar, R. A. Siroj, M. W. Afgani, and U. I. N. R. F. P. Abstract, “Experimental researcch dalam metodologi pendidikan,” *Jurnal Ilmiah Wahana Pendidikan, Januari*, vol. 2023, pp. 465–474.
- [40] Mozilla, “Performance: now() method.” [Online]. Available: <https://developer.mozilla.org/en-US/docs/Web/API/Performance/now>
- [41] K. Vayadande, A. Raut, R. Bhonsle, V. Pungliya, A. Purohit, and S. Pate, “Efficient system for cpu metric visualization,” *3C TIC: Cuadernos de desarrollo aplicados a las TIC*, vol. 11, pp. 239–250, 12 2022.
- [42] S. Febriani, Astuti, K. Ediputra, and Zulfah, “Anova dan tukey hsd analisis kesalahan siswa dalam menjawab soal cerita matematika berdasarkan kriteria watson,” *Jurnal Pengabdian Masyarakat dan Riset Pendidikan*, vol. 2, pp. 183–188, 8 2023.
- [43] M. Ljubojevic and M. Mitrea, “Interactive media planning data visualization,” pp. 361–362, 2024. [Online]. Available: <https://hal.science/hal-04914047v1>
- [44] K. Basques and S. Emelianova, “Referensi fitur performa.”