

Daftar Pustaka

- [1] S. M. Al Zikri, “Perancangan Sistem Pengelolaan Data Penerima Dana Zakat, Infaq dan Sedekah Menggunakan Framework Laravel,” *Jurnal Informatika dan Rekayasa Perangkat Lunak (JATIKA)*, vol. 2, no. 3, pp. 344–352, Sep. 2021, [Online]. Available: <http://jim.teknokrat.ac.id/index.php/informatika>
- [2] Laravel Documentation, “Laravel 10 Release Notes,” 2024. [Online]. Available: <https://laravel.com/docs/10.x/releases>
- [3] M. Rusli, D. Hermawan, and N. N. Supuwingsih, *Memahami E-learning: Konsep, Teknologi, dan Arah Perkembangan*. Yogyakarta: Penerbit Andi, 2020. Accessed: Aug. 13, 2024. [Online]. Available: <https://books.google.co.id/books?id=xwMOEAAAQBAJ>
- [4] Pusat Prestasi Nasional, “Olimpiade Sains Nasional 2024.” Accessed: Aug. 13, 2024. [Online]. Available: <https://pusatprestasinasional.kemdikbud.go.id/event/riset-dan-inovasi/smp/olimpiade-sains-nasional-2024-2024-smp>
- [5] D. R. Garrison and T. Anderson, *E-learning in the 21st Century: A Framework for Research and Practice*. London: Routledge/Falmer, 2003.
- [6] R. C. Clark and R. E. Mayer, *E-learning and the Science of Instruction: Proven Guidelines for Consumers and Designers of Multimedia Learning*, Fourth Edition. 2016. Accessed: Aug. 19, 2024. [Online]. Available: <http://lcn.loc.gov/2015037550>
- [7] Laravel Team, “Laravel 5.8 Release Notes,” 2019. [Online]. Available: <https://laravel.com/docs/5.8/releases>
- [8] J. A. Ramadhan, D. T. Haniva, and A. Suharso, “Systematic Literature Review Penggunaan Metodologi Pengembangan Sistem Informasi Waterfall, Agile, dan Hybrid,” *Journal Information Engineering and Educational Technology (JIEET)*, vol. 07, no. 01, pp. 1–7, Jun. 2023.
- [9] R. Hartono, “Penerapan Kanban Model Sebagai Metode Perancangan Sistem Informasi (Studi Kasus: Pemetaan Sekolah SMA/K/MA Kota Tasikmalaya),” *Jurnal Petik*, vol. 8, no. 1, pp. 27–34, Mar. 2022.
- [10] V. Y. P. Ardhana, Muh. Sapi’i, and M. D. Mulyodiputro, “Sistem Informasi E-Learning Berbasis Web Pada Universitas Qamarul Huda Badaruddin,” *Web Based E-Learning Information System at Qamarul Huda Badaruddin University*, 2021.
- [11] A. L. Dalimunthe, “Sistem Informasi E-Learning Di SMA Negeri 1 Rantau Selatan Berbasis Web,” *Journal of Student Development Informatics Management (JoSDIM)*, vol. 1, no. 1, Jan. 2022.
- [12] A. M. Putri and S. N. Rakhmah, “Sistem Informasi E-Learning Pada Sekolah Dasar Islam Nailufar Jakarta,” *Jurnal Sistem dan Rekayasa Komputer*, vol. 3, no. 1, pp. 1–16, May 2022, doi: 10.31599/jsrsc.v3i1.1026.



- [13] Agustini and W. J. Kurniawan, “Sistem E-Learning Do’a dan Iqro’ dalam Peningkatan Proses Pembelajaran pada TK Amal Ikhlas,” *Jurnal Mahasiswa Aplikasi Teknologi Komputer dan Informasi*, vol. 1, no. 3, pp. 154–159, 2019.
- [14] P. Nabila, R. H. Purabaya, and A. O. Indarso, “Rancang Bangun Sistem Informasi E-learning Berbasis Website Pada Sekolah Menengah Atas Negeri 1 Jonggol,” in *Seminar Nasional Mahasiswa Ilmu Komputer dan Aplikasinya (SENAMIKA)*, Jakarta, Indonesia: Universitas Pembangunan Nasional Veteran Jakarta, 2022, pp. 1–10.
- [15] N. Nuryadi *et al.*, “RANCANG BANGUN APLIKASI WEBSITE E-LEARNING PADA SMK RESPATI 1 JAKARTA,” *Jurnal Teknik Komputer*, vol. 4, no. 1, 2018.
- [16] M. Eyato and D. Murdiani, “Perancangan E-Learning Stmik Muhammadiyah Jakarta Berbasis Website,” *Jurnal Sibernetika*, vol. 6, no. 1, pp. 99–116, 2021.
- [17] Hendri, “Optimisasi Pembelajaran Online di MTS Al Falah menggunakan Node.js Express dan MongoDB,” *Jurnal PROCESSOR*, vol. 18, no. 2, Nov. 2023, doi: 10.33998/processor.2023.18.2.831.
- [18] P. D. Cantika and B. Hermanto, “Rancang Bangun Aplikasi E-Learning untuk Pembelajaran Agama Islam Berbasis Android (Studi Kasus MIN 6 Bandar Lampung),” *Jurnal Komputasi*, vol. 6, no. 1, pp. 25–32, 2018.
- [19] C. P. A. Sukran and I. Huda, “Pengembangan Aplikasi Pembelajaran Online dengan Metode Gamifikasi Berbasis Web,” *Journal of Internet and Software Engineering*, vol. 4, no. 1, pp. 6–11, May 2023, doi: 10.22146/jise.v4i1.2456.
- [20] Y. Mariyati, I. D. Hastuti, and N. Sari, “Pembinaan Olimpiade Sains Nasional (OSN) Siswa Sekolah Dasar di Kecamatan Gunungsari Kabupaten Lombok Barat,” *Program Studi Pendidikan Guru Sekolah Dasar (PGSD), Universitas Muhammadiyah Mataram*, Dec. 2019.
- [21] M. Erfan, T. Ratu, F. Yahya, S. N. Walidain, and S. Fitriyanto, “Pendampingan Persiapan Olimpiade Sains Nasional (OSN) Tingkat Kabupaten bagi Siswa SMA Negeri 4 Sumbawa,” *Jurnal Pendidikan dan Pengabdian Masyarakat*, vol. 2, no. 1, p. 114, Feb. 2019.
- [22] R. A. Hidayatullah, “LKP: Pembuatan Desain Website Sebagai Penunjang Company Profile CV. Hensindo,” 2016.
- [23] E. Y. K, Dr. S. S. Kusumawardani, and Ir. P. I. Santosa, “Analisis Faktor Penentu Kesiapan Sumber Daya Manusia pada Implementasi Massive Open Online Course (Studi Kasus: ELOK),” *Magister Teknologi Informasi*, 2019.
- [24] Universitas Gadjah Mada, “ELOK,” 2024. [Online]. Available: <https://elok.ugm.ac.id>
- [25] K. Hamilton and R. Miles, *Learning UML 2.0*. Sebastopol, CA: O’Reilly, 2006.
- [26] R. Amici, D. R. Cacciagrano, F. Corradini, and E. Merelli, “A Process Algebra View of Coordination Models with a Case Study in Computational Systems Biology,” *Technical Report, Dipartimento di Matematica e Informatica, Università di Camerino*, 2004.



- [27] R. Yanto, *Manajemen basis data menggunakan MySql*. Deepublish, 2016.
- [28] N. Lutfiani, E. P. Harahap, Q. Aini, A. D. A. R. Ahmad, and U. Rahardja, “Inovasi Manajemen Proyek I-Learning Menggunakan Metode Agile Scrumban,” *InfoTekJar: Jurnal Nasional Informatika dan Teknologi Jaringan*, vol. 5, no. 1, pp. 1–10, Sep. 2020, [Online]. Available: <http://bit.ly/InfoTekJar>
- [29] A. S. Vidianto and W. H. Haji, “Sistem Informasi Manajemen Proyek Berbasis Kanban (Studi Kasus: PT. XYZ),” *Jurnal Teknologi Informasi dan Ilmu Komputer (JTIK)*, vol. 7, no. 2, pp. 283–292, Apr. 2020, doi: 10.25126/jtiik.202071676.
- [30] R. R. Saragih, “Pemrograman dan bahasa Pemrograman,” *STMIK-STIE Mikroskil*, pp. 1–91, 2016.
- [31] J. Enterprise, *HTML, PHP, dan MySQL untuk Pemula*. Elex Media Komputindo, 2018.
- [32] A. Pratama, *CSS Uncover*. Padang Panjang: Duniaikom, 2016. [Online]. Available: <http://www.duniaikom.com>
- [33] A. Pratama, *JavaScript Uncover*. Padang Panjang: Duniaikom, 2016. [Online]. Available: <http://www.duniaikom.com>
- [34] R. T. Fielding, “Architectural styles and the design of network-based software architectures,” University of California, Irvine, 2000.
- [35] R. Patria, “Rest API adalah: Perbedaan Rest API dan Restful API,” 2024. [Online]. Available: <https://www.domainesia.com/berita/rest-api-adalah/>
- [36] PHP Manual, “PHP: Hypertext Preprocessor,” 2021.
- [37] R. Januhandini and U. Y. Oktiawati, “Analisis Kinerja Web Server Apache, Nginx, dan Caddy dengan Metode Stress Testing menggunakan Autocannon,” 2024.
- [38] A. Basuki, H. Satrio, R. A. Setyawan, and K. Amron, “Server-Side Lookup Optimization of A Web Service,” in *Proceedings of IEEE Conference*, Malang, Indonesia, 2024.
- [39] Laravel, “Meet Laravel.” Accessed: Aug. 21, 2024. [Online]. Available: <https://laravel.com/docs/11.x#meet-laravel>
- [40] Laravel, “Why Laravel.” Accessed: Aug. 21, 2024. [Online]. Available: <https://laravel.com/docs/11.x#why-laravel>
- [41] PHP Team, “PHP 7 ChangeLog,” 2024. [Online]. Available: <https://www.php.net/ChangeLog-7.php>
- [42] PHP Team, “PHP 8.3 ChangeLog,” 2024. [Online]. Available: https://www.php.net/ChangeLog-8.php#PHP_8_3
- [43] Heroku, “Heroku PHP Support Reference,” 2024. [Online]. Available: <https://devcenter.heroku.com/articles/php-support>
- [44] N. K. D. A. Jayanti and N. K. Sumiari, *Teori Basis Data*. Penerbit Andi, 2017. [Online]. Available: <https://books.google.co.id/books?id=Tn2DDwAAQBAJ>
- [45] PostgreSQL, “About PostgreSQL - PostgreSQL.” Accessed: Aug. 21, 2024. [Online]. Available: <https://www.postgresql.org/about/>



- [46] A. El Alami, M. Bahaj, and Y. Khourdifi, "Supply of a Key Value Database Redis In-Memory by Data from a Relational Database," in *2018 IEEE International Conference on In-Memory Computing and Applications*, Settat, Morocco: IEEE, Nov. 2018, p. 46. doi: 10.1109/IMCA.2018.3738.
- [47] W.-C. Shih, C.-T. Yang, R. Ranjan, and C.-I. Chiang, "Implementation and evaluation of a container management platform on Docker: Hadoop deployment as an example," *Cluster Comput*, vol. 24, pp. 3421–3430, 2021, doi: 10.1007/s10586-021-03337-w.
- [48] R. Krosnick, "Postman Flows: A Visual Programming Tool for Building API-Powered Apps and Workflows," in *2024 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC)*, New York, NY, USA: IEEE, 2024. doi: 10.1109/VL/HCC60511.2024.00047.
- [49] V. Tiwari, S. Upadhyay, J. K. Goswami, and S. Agrawal, "Analytical Evaluation of Web Performance Testing Tools: Apache JMeter and SoapUI," in *2023 IEEE 12th International Conference on Communication Systems and Network Technologies (CSNT)*, Mathura, India: IEEE, May 2023, pp. 1–8. doi: 10.1109/CSNT57126.2023.10134699.
- [50] H. R. I. Fikri and A. Voutama, "Penguujian Black Box pada Aplikasi Database Perguruan Tinggi dengan Teknik Equivalence Partitions," *ANTIVIRUS: Jurnal Ilmiah Teknik Informatika*, vol. 17, no. 1, pp. 1–18, Sep. 2023.
- [51] L. Mulana, K. Prihandani, and A. Rizal, "Analisis Perbandingan Kinerja Framework Codeigniter Dengan Express.Js Pada Server RESTful Api," *Jurnal Ilmiah Wahana Pendidikan*, vol. 8, no. 16, pp. 316–326, Sep. 2022, doi: 10.5281/zenodo.7067707.
- [52] R. Munthe, P. I. Santosa, and R. Ferdiana, "Evaluasi Proses UAT (User Acceptance Testing) dalam Pengembangan Produk dengan Pendekatan Pengujian Pragmatis," 2016. [Online]. Available: <http://etd.repository.ugm.ac.id/>
- [53] F. N. Rosyid and G. Alfian, "Rancang Bangun Aplikasi Pembelian Tiket Event dengan Solusi Akun Peran Ganda Berbasis Responsive Web," 2023. [Online]. Available: <http://etd.repository.ugm.ac.id/>
- [54] Katadata, "Kecepatan Internet Mobile Indonesia Peringkat ke-3 Terbawah ASEAN," 2024. [Online]. Available: <https://databoks.katadata.co.id/teknologi-telekomunikasi/statistik/e440545a3dc266e/kecepatan-internet-mobile-indonesia-peringkat-ke-3-terbawah-asean>