

## REFERENCES

- [1] R. A. Sunarjo, M. H. R. Chakim, S. Maulana, dan G. Fitriani, "Management of Educational Institutions through Information Technology Systems for Enhanced Efficiency and Decision-Making," *Int. Trans. Educ. Technol. ITEE*, vol. 3, no. 1, hlm. 47–61, Nov 2024, doi: 10.33050/itee.v3i1.670.
- [2] Y. Zhang, "A Study of the Digital Transformation and Efficiency Improvement Path of University Administration," *SHS Web Conf.*, vol. 213, hlm. 01001, 2025, doi: 10.1051/shsconf/202521301001.
- [3] S. N. Ashraf, "Awareness Regarding Importance of SDLC among IT Professionals and Students: A Survey," *Int. J. Comput. Appl.*, vol. 178, no. 18, hlm. 38–46, Jun 2019, doi: 10.5120/ijca2019919026.
- [4] M. I. Hossain, "Software Development Life Cycle (SDLC) Methodologies for Information Systems Project Management," *Int. J. Multidiscip. Res.*, vol. 5, no. 5, Sep 2023.
- [5] S. Beecham, T. Clear, R. Lal, dan J. Noll, "Do scaling agile frameworks address global software development risks? An empirical study," *J. Syst. Softw.*, vol. 171, hlm. 110823, Jan 2021, doi: 10.1016/j.jss.2020.110823.
- [6] S. W. Ambler dan M. Lines, "Disciplined Agile Delivery: An Introduction." IBM Software, 2011.
- [7] L. Kazi dan Z. Kazi, "BPriS: Disciplined Agile Delivery Planning Method Based on Work Items List Pattern Applied to Prioritized Semantically Coupled Software Functions Derived from Business Process Model and Software Functional Pattern," *Appl. Sci.*, vol. 15, no. 9, hlm. 5091, Mei 2025, doi: 10.3390/app15095091.
- [8] N. Zulkifli, A. L. Amir, A. H. S. A. Shukri, N. B. M. Salleh, E. N. E. M. F. Suhaimi, dan M. A. Osman, "Examination Management System Using Yii2 Framework," dalam *Leading Towards Creativity & Innovation, Series 2*, Melaka International College of Science and Technology, 2019, hlm. 322–328.
- [9] A. H. M. Saiful Islam, Md. H. A. R. Khan Ishan, N. Ahmed, dan M. K. Chakraborty, "Exam Management System at Notre Dame University Bangladesh," *Glob. J. Comput. Sci. Technol.*, vol. 9, no. 1, hlm. 15–21, Mei 2021, doi: 10.34257/GJCSTGVOL21IS1PG15.
- [10] Maulana Aprizqy Sumaryanto dan Ahmad Sinnun, "Implementation Of Scrum And Laravel In The New Student Admission Information System At STMIK Mercusuar," *J. Multidisiplin Sahombu*, vol. 4, no. 01, 2024, doi: 10.58471/jms.v4i01.
- [11] A. A. R. Cockburn, "Characterizing People as Non-Linear, First-Order Components in Software Development," dalam *Proceedings of the 4th International Multi-Conference on Systems, Cybernetics, and Informatics*, Orlando, Florida: International Institute of Informatics and Systemics, 2000, hlm. 1–6.
- [12] P. Hohl dkk., "Back to the future: origins and directions of the 'Agile Manifesto' – views of the originators," *J. Softw. Eng. Res. Dev.*, vol. 6, no. 1, hlm. 15, Des 2018, doi: 10.1186/s40411-018-0059-z.
- [13] J. Sutherland, *More Praise for Scrum: The Art of Doing Twice the Work in Half the Time*. Crown Business, an imprint of the Crown Publishing Group, a division of Random House LLC, 2014. [Daring]. Tersedia pada: <https://www.crownpublishing.com>

- [14] K. Beck, *Extreme Programming Explained: Embrace Change*. dalam An Alan R. Apt Book Series. Addison-Wesley, 2000. [Daring]. Tersedia pada: <https://books.google.co.id/books?id=7qJQAAAAMAAJ>
- [15] I. Jacobson, G. Booch, dan J. Rumbaugh, *The Unified Software Development Process (Paperback)*. dalam Addison-Wesley Object Technology Series. Addison Wesley Professional, 1999. [Daring]. Tersedia pada: <https://books.google.co.id/books?id=s1OdpwAACAAJ>
- [16] S. K. Boell dan D. Cecez-Kecmanovic, "What is an Information System?," dalam *2015 48th Hawaii International Conference on System Sciences*, HI, USA: IEEE, Jan 2015, hlm. 4959–4968. doi: 10.1109/HICSS.2015.587.
- [17] J. Nielsen, *Designing Web Usability: The Practice of Simplicity*. USA: New Riders Publishing, 1999.
- [18] H. Sharma dan K. Tripathi, "The Importance of Website Usability in Digital Marketing- A Review," *Int. J. Innov. Res. Comput. Sci. Technol.*, vol. 11, no. 3, hlm. 27–31, Mei 2023, doi: 10.55524/ijirest.2023.11.3.5.
- [19] L. Richardson, M. Amundsen, dan S. Ruby, *RESTful Web APIs: Services for a Changing World*. O'Reilly Media, 2013. [Daring]. Tersedia pada: <https://books.google.co.id/books?id=wWnGAAAAQBAJ>
- [20] A. Ehsan, M. A. M. E. Abuhaliqa, C. Catal, dan D. Mishra, "RESTful API Testing Methodologies: Rationale, Challenges, and Solution Directions," *Appl. Sci.*, vol. 12, no. 9, hlm. 4369, Apr 2022, doi: 10.3390/app12094369.
- [21] C. P. W. Apiag, "A Review on PHP Programming Language".
- [22] E. Ogala dan A. O. Sylvester, "CONCEPT OF WEB PROGRAMMING, AN OVERVIEW OF PHP VOL. 1," 2019.
- [23] E. Gamma, *Design patterns : elements of reusable object-oriented software*. dalam Addison-Wesley professional computing series. Reading, MA: Addison-Wesley Publishing Company, 1995.
- [24] K. Cwalina dan B. Abrams, *Framework Design Guidelines: Conventions, Idioms, and Patterns for Reusable .NET Libraries*. dalam Microsoft Windows Development Series. Pearson Education, 2008. [Daring]. Tersedia pada: <https://books.google.co.id/books?id=39d1wZ598ecC>
- [25] T. Otwell, "Laravel 12.x Documentation." Diakses: 2 Oktober 2025. [Daring]. Tersedia pada: <https://laravel.com/docs/12.x>
- [26] S. Chaudhuri dan U. Dayal, *The Comprehensive Guide to Databases*. McGraw-Hill Education, 2019. [Daring]. Tersedia pada: [https://www.google.co.id/books/edition/The\\_Comprehensive\\_Guide\\_to\\_Databases/ymMjEQAAQBAJ?hl=en&gbpv=0&kptab=overview](https://www.google.co.id/books/edition/The_Comprehensive_Guide_to_Databases/ymMjEQAAQBAJ?hl=en&gbpv=0&kptab=overview)
- [27] S. Pachev, *Understanding MySQL Internals: Discovering and Improving a Great Database*. O'Reilly Media, 2007. [Daring]. Tersedia pada: <https://books.google.co.id/books?id=vz6PcTdo8VUC>
- [28] T. Pettit dan S. Cosentino, *The MySQL Workshop: A practical guide to working with data and managing databases with MySQL*. Packt Publishing, 2022. [Daring]. Tersedia pada: <https://books.google.co.id/books?id=7H1rEAAAQBAJ>
- [29] S. B. Verma, B. Pandey, dan B. Kumar Gupta, "Containerization and its Architectures: A Study," *ADCAIJ Adv. Distrib. Comput. Artif. Intell. J.*, vol. 11, no. 4, hlm. 395–409, Jun 2023, doi: 10.14201/adcaij.28351.
- [30] L. Urblik, E. Kajati, P. Papcun, dan I. Zolotov , "Containerization in Edge Intelligence: A Review," *Electronics*, vol. 13, no. 7, hlm. 1335, Apr 2024, doi: 10.3390/electronics13071335.

- [31] A. Mouat, *Using Docker: Developing and Deploying Software with Containers*. O'Reilly Media, 2015. [Daring]. Tersedia pada: <https://books.google.co.id/books?id=wpYpCwAAQBAJ>
- [32] J. Mukaj, "Containerization: Revolutionizing Software Development and Deployment Through Microservices Architecture Using Docker and Kubernetes," 2023, doi: 10.13140/RG.2.2.23804.51841.
- [33] P. Sommerlad, "Reverse Proxy Patterns.," Jan 2003, hlm. 431–458.
- [34] K. M. K dan A. Rengarajan, "Reverse Proxy Technology," *Int. J. Innov. Res. Comput. Commun. Eng.*, vol. 12, no. 02, hlm. 1067–1071, Feb 2024, doi: 10.15680/IJRCCE.2024.1202057.
- [35] G. N. Schenker, *Learn Docker – Fundamentals of Docker 19.x: Build, test, ship, and run containers with Docker and Kubernetes, 2nd Edition*. Packt Publishing, 2020. [Daring]. Tersedia pada: <https://books.google.co.id/books?id=CeTWDwAAQBAJ>
- [36] G. J. Myers, C. Sandler, dan T. Badgett, *The Art of Software Testing*. dalam ITPro collection. Wiley, 2011. [Daring]. Tersedia pada: <https://books.google.co.id/books?id=GjyEFPkMCwcC>
- [37] N. B. Saif, M. Almohawes, dan N. S. M. Jamail, "The impact of user involvement in software development process," vol. 21, no. 1, 2021.
- [38] V. Khorikov, *Unit Testing Principles, Practices, and Patterns*. Manning, 2020. [Daring]. Tersedia pada: <https://books.google.co.id/books?id=rDszEAAAQBAJ>
- [39] R. Osherove, *The Art of Unit Testing: with examples in C#*. Manning, 2013. [Daring]. Tersedia pada: <https://books.google.co.id/books?id=tTkzEAAAQBAJ>
- [40] I. Otaduy dan O. Diaz, "User acceptance testing for Agile-developed web-based applications: Empowering customers through wikis and mind maps," *J. Syst. Softw.*, vol. 133, hlm. 212–229, Nov 2017, doi: 10.1016/j.jss.2017.01.002.
- [41] B. Hambling dan P. van Goethem, *User Acceptance Testing: A Step-by-step Guide*. dalam G - Reference, Information and Interdisciplinary Subjects Series. BCS, 2013. [Daring]. Tersedia pada: <https://books.google.co.id/books?id=NzDkkgEACAAJ>
- [42] M. S. Jahan, F. Azam, M. W. Anwar, A. Amjad, dan K. Ayub, "A Novel Approach for Software Requirement Prioritization," dalam *2019 7th International Conference in Software Engineering Research and Innovation (CONISOFT)*, Mexico City, Mexico: IEEE, Okt 2019, hlm. 1–7. doi: 10.1109/CONISOFT.2019.00012. zam, M. W. Anwar, A. Amjad, dan K. Ayub, "A Novel Approach for Software Requirement Prioritization," dalam *2019 7th International Conference in Software Engineering Research and Innovation (CONISOFT)*, Mexico City, Mexico: IEEE, Okt 2019, hlm. 1–7. doi: 10.1109/CONISOFT.2019.00012.