

DAFTAR PUSTAKA

- Afriansyah Y, Arifuddin R, & Novrianto Y. (2018). *Rancang Bangun Alat Pendeteksi Detak Jantung, Suhu Tubuh, dan Tensimeter Berbasis Arduino Uno serta Smartphone Android.*
- Agustian I. (2019). Rancang Bangun Pemantau Detak Jantung dan Suhu Tubuh Portabel Dengan Sistem IoT Indra Agustian. *Journal Amplifier*, 9.
- Alfaridzi, F., Dedy Irawan, J., & Orisa, M. (2022). PERANCANGAN SISTEM MANAJEMEN USER HOTSPOT BERBASIS WEB MENGGUNAKAN APPLICATION PROGRAMMING INTERFACE (API) MIKROTIK. *Jurnal Mahasiswa Teknik Informatika*, 6(2).
- Ariyon, D., Munadi, R., & Santoso, I. H. (2021). *PERANCANGAN DAN IMPLEMENTASI SISTEM MONITORING DETAK JANTUNG BERBASIS INTERNET OF THINGS DENGAN MENGGUNAKAN SENSOR EKG DAN WEBSITE.*
- Blinowski, G., Ojdowska, A., & Przybylek, A. (2022). Monolithic vs. Microservice Architecture: A Performance and Scalability Evaluation. *IEEE Access*, 10, 20357–20374. <https://doi.org/10.1109/ACCESS.2022.3152803>
- Brooks, C., Jerady, C., Kim, H., Lee, E. A., Lohstroh, M., Nouvelletz, V., Osyk, B., & Weber, M. (2018). A Component Architecture for the Internet of Things. *Proceedings of the IEEE*, 106(9), 1527–1542. <https://doi.org/10.1109/JPROC.2018.2812598>
- Burhan, M., Rehman, R. A., Khan, B., & Kim, B. S. (2018). IoT elements, layered architectures and security issues: A comprehensive survey. *Sensors (Switzerland)*, 18(9). <https://doi.org/10.3390/s18092796>
- Ciccozzi, F., Malavolta, I., & Selic, B. (2019). Execution of UML models: a systematic review of research and practice. *Software and Systems Modeling*, 18(3), 2313–2360. <https://doi.org/10.1007/s10270-018-0675-4>

- Desai, S., & Keswani, P. (2021). Software Testing Methodologies: A Information Review. In *International Journal on Recent and Innovation Trends in Computing and Communication* (Vol. 9, Issue 2, pp. 1–5). Auricle Global Society of Education and Research. <https://doi.org/10.17762/ijritcc.v9i2.5455>
- Di Francesco, P., Lago, P., & Malavolta, I. (2019). Architecting with microservices: A systematic mapping study. *Journal of Systems and Software*, *150*, 77–97. <https://doi.org/10.1016/j.jss.2019.01.001>
- Dwi Wulandari, A., Ajie Bahari, B., & Zuyyina Hilyarur Rozalia, B. (2022). PENYUSUNAN SOLUSI MODEL KONSEPTUAL UNTUK PEMBANGUNAN STRATEGI SISTEM INFORMASI PADA PERUSAHAAN BISNIS TI: METODE SYSTEMATIC MAPPING CONCEPTUAL MODELLING SOLUTION FOR DEVELOPING INFORMATION SYSTEM STRATEGIC ON IT BUSINESS ENTERPRISE: A SYSTEMATIC MAPPING. *Jurnal Teknologi Informasi Dan Ilmu Komputer*, *9*(2), 225–234. <https://doi.org/10.25126/jtiik.202293506>
- Elgheriani, N. S., & Ahmed, N. A. S. (2022). MICROSERVICES VS. MONOLITHIC ARCHITECTURES [THE DIFFERENTIAL STRUCTURE BETWEEN TWO ARCHITECTURES]. *MINAR International Journal of Applied Sciences and Technology*, *4*(3), 500–514. <https://doi.org/10.47832/2717-8234.12.47>
- Fajar, F., & Nur Rachman, A. (2018). Aplikasi Sistem Informasi Dashboard Rekam Medis RSUD dr. Sukardjo Kota Tasikmalaya Korespondensi. *Scientific Articles of Informatics Students*, *1*(1), 59–63.
- Fowler, M. (2018). *UML DISTILLED THIRD EDITION A BRIEF GUIDE TO THE STANDARD OBJECT MODELING LANGUAGE*.
- Fu'adi, A., Prianggono, A., Komunitas, A., Pacitan, N., Id, A. A., & Id, A. A. (2022). Analisa dan Perancangan Sistem Informasi Akademik Akademi

- Komunitas Negeri Pacitan Menggunakan Diagram UML dan EER. *Jurnal Ilmiah Teknologi Informasi Asia*, 16(1).
- Gamido, H. V., & Gamido, M. V. (2019). Comparative review of the features of automated software testing tools. *International Journal of Electrical and Computer Engineering*, 9(5), 4473–4478. <https://doi.org/10.11591/ijece.v9i5.pp4473-4478>
- Habibullah, R., & Sugiantoro, B. (2023). Rekayasa Perangkat Lunak dalam Pendidikan Pesantren. *Nusantara: Jurnal Pendidikan Indonesia*, 3(1), 83–100. <https://doi.org/10.14421/njpi.2023.v3i1-5>
- Harianto, B., Hidayat, A., & Hulu, F. N. (2021). ANALISIS PENGGUNAAN SENSOR MAX30100 PADA SISTEM PENDETEKSI DETAK JANTUNG BERBASIS IoT BLYNK. *Seminar Nasional Teknologi*.
- Hasan, H., & Fahdal, A. (2023). Digitalisasi UMKM dalam Rangka Membangun Ekosistem Digital pada Masyarakat UMKM Sulawesi. *UMKM Digitalization System in Developing Digital Ecosystem for Sulawesi UMKM Society. Jurnal Pengabdian Kepada Masyarakat*, 7(2). <http://journal.unhas.ac.id/index.php/panritaabdi>
- Hasanah, N. F., & Rahmania, S. U. (2020). *BUKU AJAR REKAYASA PERANGKAT LUNAK Diterbitkan oleh UMSIDA PRESS UNIVERSITAS MUHAMMADIYAH SIDOARJO 2020* (Vol. 1).
- Hendrick, Okvioni A, & Rahmatul Y. (2020). PEMANTAUAN DETAK JANTUNG SINYAL EKG MELALUI JARINGAN. *Seminar Nasional Terapan Riset Inovatif (SENTRINOV)*, 6.
- Herdiyatmoko, H. F. (2022). BACK-END SYSTEM DESIGN BASED ON REST API. *Jurnal Teknik Informasi Dan Komputer (Tekinkom)*, 5(1), 123. <https://doi.org/10.37600/tekinkom.v5i1.401>
- Hergika, G. (2021). *PERANCANGAN INTERNET OF THINGS (IOT) SEBAGAI KONTROL INFRASTRUKTUR DAN PERALATAN TOLL PADA PT. ASTRA*

INFRATOLL ROAD. 8(2).
<https://www.esp8266.com/viewtopic.php?p=68657>

Hussein, A. F., Arun Kumar, N., Burbano-Fernandez, M., Ramirez-Gonzalez, G., Abdulhay, E., & De Albuquerque, V. H. C. (2018). An automated remote cloud-based heart rate variability monitoring system. *IEEE Access*, 6, 77055–77064. <https://doi.org/10.1109/ACCESS.2018.2831209>

Immanuel Rui Costa, K. (2022). *Pengembangan dan Pembuatan Website: Sebuah Tinjauan Literatur.*

Iqbal, M., Syahputra, A. K., & Handoko, W. (2022). PENERAPAN MONOLITIC ARSITEKTUR PADA APLIKASI UJIAN ONLINE BERBASIS WEB. *Jurnal Pemberdayaan Sosial Dan Teknologi Masyarakat*, 2(2), 213–218.
<http://jurnal.goretanpena.com/index.php/JPSTM>

Leff, A., & Rayfield, J. T. (2001). *Web-Application Development Using the ModelNiewlController Design Pattern.*

Lewandowski T, Henze D, Sauer M, Nickles J, & Bruegge B. (2020). *A Software Architecture to enable Self-Organizing, Collaborative IoT Ressource Networks.*

Luthfiyah, S., Juniar, A. P., Indrato, T. B., & Omoogun, M. (2021). Vital Sign Monitor Device Equipped with a Telegram Notifications Based on Internet of Thing Platform. *Indonesian Journal of Electronics, Electromedical Engineering, and Medical Informatics*, 3(3), 108–113.
<https://doi.org/10.35882/ijeeemi.v3i3.4>

Maradona, H. (2021). SISTEM PAKAR DIAGNOSA PENYAKIT JANTUNG DENGAN METODE CASE BASED REASONING (CBR). In *Jurnal Sistem Informasi* (Vol. 3, Issue 1).

Md Shah, W., Hazman Yaakob, M., Harum, N., Hassan, A., Fairuz Iskandar Othman, M., & Rahmi Hamid, I. A. (2020). Internet of Things based Heart

Rate Monitoring and Alert System. *JOURNAL OF ADVANCED COMPUTING TECHNOLOGY AND APPLICATION (JACTA)*, 2(1), 27.

Mishra, D. P., Rout, K. K., & Salkuti, S. R. (2021). Modern tools and current trends in web-development. *Indonesian Journal of Electrical Engineering and Computer Science*, 24(2), 978–985.
<https://doi.org/10.11591/ijeecs.v24.i2.pp978-985>

Narayan, R. (2021). STUDY OF VARIOUS SOFTWARE DEVELOPMENT METHODOLOGIES. *EPRA International Journal of Multidisciplinary Research (IJMR)-Peer Reviewed Journal*, 7(4).
<https://doi.org/10.36713/epra2013>

Nurahman A, Antonius I, & Alona S. (2021). Rancang Bangun Alat Pendeteksi Detak Jantung dan Saturasi Oksigen dalam Darah Berbasis Arduino MEGA 2560. *Jurnal Ilmiah Komputasi*, 20(1).
<https://doi.org/10.32409/jikstik.20.1.2691>

Pertiwi, D. D., & Taufiq, R. (2020). ANALISIS DAN DESAIN SISTEM INFORMASI PENGOLAHAN NILAI SISWA DI SMK AVICENA RAJEG. *Jurnal Teknik Informatika (JIKA) Universitas Muhammadiyah Tangerang*, 29–35.

Pramesti, W. A., Rabani, J., August, K. B., Rakhman, A., & Sutanto, A. (2020). *RANCANG ABNGUN ALAT PENGUKUR DETAK JANTUNG BERBASIS IOT*.

Pranata, B. A., Hijriani Dan, A., Junaidi, A., Komputer, J. I., Matematika, F., Pengetahuan, I., Universitas, A., Jl, L. S., Brodjonegoro, N., & Lampung, B. (2018). PERANCANGAN APPLICATION PROGRAMMING INTERFACE (API) BERBASIS WEB MENGGUNAKAN GAYA ARSITEKTUR REPRESENTATIONAL STATE TRANSFER (REST) UNTUK PENGEMBANGAN SISTEM INFORMASI ADMINISTRASI PASIEN KLINIK PERAWATAN KULIT. *Jurnal Komputasi*, 6(1).

- Prasetyo, S. E., & Wijaya, A. (2021). *Analisa dan Implementasi Microservice pada Container Menggunakan Docker* (Vol. 1, Issue 1). <https://journal.uib.ac.id/index.php/combinas>
- Pressman, R. S., & Maxim, B. R. (2020). *SOFTWARE ENGINEERING: A PRACTITIONER'S APPROACH NINTH EDITION*.
- Pricillia T, & Zulfachmi. (2021). Survey Paper Perbandingan Metode Pengembangan. *Bangkit Indonesia, 10*.
- Pricillia, T., & Zulfachmi. (2021). Survey Paper: Perbandingan Metode Pengembangan Perangkat Lunak. *Bangkit Indonesia, 10(01)*.
- Pujiastuti, D., Purwaty, E., Janah, Ngadhi, P. Y., Suriyanto, P., Dewi, R. C., & Talu, Y. (2021). JURNAL PENELITIAN DAN KEPERAWATAN. *STIKES RS. BAPTIS KEDIRI , 1, 2407–7232*.
- Rosjidi, C. H. (2020). Kesalahan Perawatan Di Rumah Dan Dampak Keterlambatan Di Rujuk Di Rumah Sakit Pada Pasien Penyakit Jantung Koroner. *Jurnal Keperawatan, 11(1), 1–9*. <https://doi.org/10.22219/jk.v11i1.9752>
- Rustan, M. F. (2018). APLIKASI MONITORING DENYUT JANTUNG BERBASIS ANDROID. *Journal Of Computer and Information System*.
- Santosa, W. N., & Baharuddin, B. (2020). Penyakit Jantung Koroner dan Antioksidan. *KELUWIH: Jurnal Kesehatan Dan Kedokteran, 1(2), 98–103*. <https://doi.org/10.24123/kesdok.v1i2.2566>
- Santoso, H. (2019). *REKAYASA PERANGKAT LUNAK*.
- Shofiyah, F., & Wirani, Y. (2021). Jurnal Informatika Terpadu ANALISIS DAN IMPLEMENTASI DASHBOARD MONITORING PROGRAM LINK AND MATCH PERGURUAN TINGGI BERBASIS GOOGLE SHEET. *Jurnal Informatika Terpadu, 7, 53–61*. <https://journal.nurulfikri.ac.id/index.php/JIT>

- Silega, N., & Noguera, M. (2021). Applying an MDA-based approach for enhancing the validation of business process models. *Procedia Computer Science, 184*, 761–766. <https://doi.org/10.1016/j.procs.2021.03.094>
- Sufri S, & Aswardi. (2020). Alat Pendeteksi Detak Jantung dan Kesehatan. *Jurnal Teknik Elektro Indonesia, 1*(2).
- Suryandari, Y. (2020). Survei IoT Healthcare Device. *Jurnal Sistem Cerdas, 03*, 153–164.
- Suwarniyati, S., & H. Masserang, A. W. (2022). Rancang Bangun Alat Pentedeksi Detak Jantung Dan Suhu Tubuh Dengan Memonitoring Tampilan Grafik. *Jurnal Teknologi Elekerika, 19*(2), 137. <https://doi.org/10.31963/elekerika.v6i2.3807>
- Triawan, A., Ramot, A., & Siboro, Y. (2021). Penerapan Application Programming Interface (API) Pada Push Notification Untuk Informasi Monitoring Stok Barang Minim. *Jurnal Ilmiah Teknologi Informasi & Sains, 11*, 107–114. <https://doi.org/10.36350/jbs.v11i2>
- Vanathi, B., Akshaya, S., Nivetha, R., & Mahanivetha, C. (2018). A Wireless Heart Rate Monitoring System Using Smart Case. *International Journal of Innovative Science and Research Technology, 3*(3), 204. www.ijisrt.com
- Wismo Widodo, A., & Candikya Dhanadi, F. (2022). RANCANG BANGUN DASHBOARD REKAM MEDIS PADA KLINIK DR. H. ABDUL RAPIEQ BERBASIS WEB. *TEKINFO, 23*(2).
- Xiaoshu, W. (2020). Optimized development of web front-end development technology. *Journal of Physics: Conference Series, 1693*(1). <https://doi.org/10.1088/1742-6596/1693/1/012057>
- Yamani, F. Z., & Merouani, M. El. (2020). A Model-Driven Architecture Approach for Developing Healthcare ERP: Case study in Morocco. *International Journal of Computer Science Issues, 17*(1), 12. <https://doi.org/10.5281/zenodo.3987098>

- Yuhefizar, Nasution A, Putra R, Asri E, & Satria D. (2019). Terakreditasi SINTA Peringkat 2. *Rekayasa Sistem Dan Teknologi Informasi*, 3(2), 265–270.
- Yutia, S. N., & Satrinia, D. (2021). Automated Functional Testing pada API menggunakan Keyword Driven Framework. *Journal of Informatics and Communications Technology*, 3(1), 65–078.
- Zayas, C. E., Whorton, J. M., Sexton, K. W., Mabry, C. D., Dowland, S. C., & Brochhausen, M. (2023). Development and validation of the early warning system scores ontology. *Journal of Biomedical Semantics*, 14(1). <https://doi.org/10.1186/s13326-023-00296-6>
- Zulbahri, Z. (2019). Tingkat Kemampuan Daya Tahan Jantung dan Pernafasan Mahasiswa Pendidikan Olahraga dan Kesehatan Universitas Pasir Pengaraian. *Gelombang Olahraga: Jurnal Pendidikan Jasmani Dan Olahraga (JPJO)*, 3(1), 96–101. <https://doi.org/10.31539/jpjo.v3i1.852>