

## DAFTAR PUSTAKA

- Aguaded-Ramírez, E. (2017). Smart City and Intercultural Education. *Procedia - Social and Behavioral Sciences*, 237, 326-333. doi:10.1016/j.sbspro.2017.02.010
- Aljazzaf, Z. M., Capretz, M. A., & Perry, M. (2016). Trust-based Service-Oriented Architecture. *Journal of King Saud University - Computer and Information Sciences*, 28(4), 470-480. doi:10.1016/j.jksuci.2015.12.003
- Bhadoria, R. S., Chaudhari, N. S., & Tharinda Nishantha Vidanagama, V. G. (2018). Analyzing the role of interfaces in enterprise service bus: A middleware epitome for service-oriented systems. *Computer Standards and Interfaces*, 55, 146-155. doi:10.1016/j.csi.2017.08.001
- Bhadoria, R. S., Chaudhari, N. S., & Tomar, G. S. (2017). The Performance Metric for Enterprise Service Bus (ESB) in SOA system: Theoretical underpinnings and empirical illustrations for information processing. *Information Systems*, 65, 158-171. doi:10.1016/j.is.2016.12.005
- Bouguettaya, A., Sheng, Q. Z., & Daniel, F. (2013). *Web Services Foundations*. doi:10.1007/978-1-4614-7518-7
- Cherradi, G., Bouziri, A. E., Boulmakoul, A., & Zeitouni, K. (2017). Real-Time Microservices Based Environmental Sensors System for Hazmat Transportation Networks Monitoring. *Transportation Research Procedia*. doi:10.1016/j.trpro.2017.12.087
- Ciavotta, M., Alge, M., Menato, S., Rovere, D., & Pedrazzoli, P. (2017). A Microservice-based Middleware for the Digital Factory. *Procedia Manufacturing*. doi:10.1016/j.promfg.2017.07.197
- Clark, K. (2016, Januari 21). *Microservices, SOA, and APIs: Friends or enemies?* Retrieved from Microservices, SOA, and APIs: Friends or enemies?:

HAIKAL ADHA HANDAMARA, 2013 PENERAPAN ENTERPRISE SERVICE BUS UNTUK INTEGRASI LAYANAN MICROSERVICE BERBASIS REST DAN JSON

[https://www.ibm.com/developerworks/websphere/library/techarticles/1601\\_clark-trs/1601\\_clark.html](https://www.ibm.com/developerworks/websphere/library/techarticles/1601_clark-trs/1601_clark.html)

- Delen, D., & Demirkan, H. (2013). Data, information and analytics as services. *Decision Support Systems*. doi:10.1016/j.dss.2012.05.044
- Deviana, H. (2011). Penerapan XML Web Service Pada Sistem Distribusi Barang.
- Erl, T. (2005). *Service-Oriented Architecture: Concepts, Technology, and Design*. Prentice Hall PTR.
- Fielding, R. T. (2000). *Fielding Dissertation: CHAPTER 5: Representational State Transfer (REST)*. Retrieved from Fielding Dissertation: [http://www.ics.uci.edu/~fielding/pubs/dissertation/rest\\_arch\\_style.htm](http://www.ics.uci.edu/~fielding/pubs/dissertation/rest_arch_style.htm)
- Floyd, B. (2017). Was ist Middleware? *CloudComputing-Insider*. Retrieved from <https://www.cloudcomputing-insider.de/was-ist-middleware-a-611085/>
- Francesco, P. D. (2017). Architecting microservices. *Proceedings - 2017 IEEE International Conference on Software Architecture Workshops, ICSAW 2017: Side Track Proceedings*. doi:10.1109/ICSAW.2017.65
- Haddad, C. (2014, September 15). *Merging microservices architecture with SOA practices*. Retrieved from Merging microservices architecture with SOA practices: <https://www.slideshare.net/wso2.org/microservices-20140915v11>
- Hanifa, M. A. (2018). Penerapan Service Oriented Architecture (SOA) dengan Teknologi Web Service pada Layanan Sistem Pembelajaran.
- Hasya, K. N. (2018). Penerapan Service Oriented Architecture (SOA) dalam Layanan Sistem Monitoring Siswa dengan Teknologi Web Service.
- Himmelbauer, H. (2006, September 27). *SOAP - Simple Object Access Protocol*. Retrieved from <http://violin.qwer.tk/dusty/thesis/html/node9.html>
- Hubackova, S., & Klimova, B. F. (2014). Integration of ICT in Lifelong Education. *Procedia - Social and Behavioral Sciences*, 116, 3593-3597. doi:10.1016/j.sbspro.2014.01.808

- Internet Engineering Task Force. (n.d.). *RFC 2616 - Hypertext Transfer Protocol - HTTP/1.1*. Retrieved from IETF: <https://tools.ietf.org/html/rfc2616#section-9>
- Juric, M. (2007). *SOA Approach to Integration: XML, Web Services, ESB, and BPEL in Real-world SOA Projects*. Packt Pub. Retrieved from <https://books.google.co.id/books?id=phJx5DNML0AC>
- Juric, M. (2010). *WS-BPEL 2.0 for SOA Composite Applications with Oracle SOA Suite 11g*. Packt Publishing. Retrieved from <https://books.google.co.id/books?id=mBNySZUDOUMC>
- Kapojos, F., Wowor, H., & Rumangit, M. (2012). Implementasi Service-Oriented Architecture dengan web service untuk aplikasi informasi akademik.
- Kartashova, A., Shirko, T., Khomenko, I., & Naumova, L. (2015). Educational Activity of National Research Universities as a Basis for Integration of Science, Education and Industry in Regional Research and Educational Complexes. *Procedia - Social and Behavioral Sciences*, 214, 619-627. doi:10.1016/j.sbspro.2015.11.768
- Kementerian Komunikasi dan Informatika RI. (2013, Oktober 23). *Kementerian Komunikasi dan Informatika*. Retrieved Februari 22, 2018, from Kementerian Komunikasi dan Informatika: [https://kominfo.go.id/index.php/content/detail/3319/Aplikasi+e-Government/0/e\\_government](https://kominfo.go.id/index.php/content/detail/3319/Aplikasi+e-Government/0/e_government)
- Kousalya, G., Balakrishnan, P., & Pethuru Raj, C. (2017). Workflow Integration and Orchestration, Opportunities and the Challenges. *Automated Workflow Scheduling in Self-Adaptive Clouds: Concepts, Algorithms and Methods*, 137-156. doi:10.1007/978-3-319-56982-6\_8
- Kumari, V. (2015). Web services protocol: SOAP vs REST. *International Journal of Advanced Research in Computer Engineering & Technology*, 4(5), 2467-2469.

- Kurniawan, K., & Ashari, A. (2016). Service orchestration using enterprise service bus for real-Time government executive dashboard system. *Proceedings of 2015 International Conference on Data and Software Engineering, ICODSE 2015*, 207-212. doi:10.1109/ICODSE.2015.7436999
- Lemos, A. L., Daniel, F., & Benatallah, B. (2015, Desember). Web Service Composition: A Survey of Techniques and Tools. *ACM Comput. Surv.*, 48(3), 33:1--33:41. doi:10.1145/2831270
- Lisetskii, F., Terekhin, E., Marinina, O., & Zemlyakova, A. (2015). Integration Strategies of Academic Research and Environmental Education. *Procedia - Social and Behavioral Sciences*, 214, 183-191. doi:10.1016/j.sbspro.2015.11.616
- Lu, D., Huang, D., Walenstein, A., & Medhi, D. (2017). A Secure Microservice Framework for IoT. *Proceedings - 11th IEEE International Symposium on Service-Oriented System Engineering, SOSE 2017*. doi:10.1109/SOSE.2017.27
- Mazlami, G., Cito, J., & Leitner, P. (2017). Extraction of Microservices from Monolithic Software Architectures. *Proceedings - 2017 IEEE 24th International Conference on Web Services, ICWS 2017*. doi:10.1109/ICWS.2017.61
- Mueller, J. (2013, Januari 8). *Understanding SOAP and REST Basics And Differences*. Diambil kembali dari Software Quality Matters Blog - SmartBear Software — Resources for Mobile, Agile and Cloud: <https://blog.smartbear.com/apis/understanding-soap-and-rest-basics/>
- Myrkhalykov, Z., Aidarova, A., Seidahmetov, M., Abishova, A., & Dosmuratova, E. (2014). Integration of Innovative Forms of Education and Science in the Republic of Kazakhstan. *Procedia - Social and Behavioral Sciences*, 143, 491-496. doi:10.1016/j.sbspro.2014.07.421
- Pertiwi, V. B. (2017). Penerapan Sistem Manajemen Siswa di Sekolah dengan Service Oriented Architecture (SOA) dan Teknologi Web Service.

- Platonova, E., Bogomolova, J., Musarskiy, M., & Igumnov, O. (2015). Various Approaches to Financing Russian Higher Education Institutions Integrating into the Global Educational Environment. *Procedia - Social and Behavioral Sciences*, 214, 393-398. doi:10.1016/j.sbspro.2015.11.682
- Radesta, R. F. (2017). Penerapan Sistem Penilaian di Sekolah dengan Service Oriented Architecture dan Teknologi Web Service.
- Rautenbach, V., Coetzee, S., & Iwaniak, A. (2013). Orchestrating OGC web services to produce thematic maps in a spatial information infrastructure. *Computers, Environment and Urban Systems*. doi:10.1016/j.compenvurbsys.2012.08.001
- Rufino, J., Alam, M., Ferreira, J., Rehman, A., & Tsang, K. F. (2017). Orchestration of containerized microservices for IIoT using Docker. *Proceedings of the IEEE International Conference on Industrial Technology*. doi:10.1109/ICIT.2017.7915594
- Sampaio, A. R., Kadiyala, H., Hu, B., Steinbacher, J., Erwin, T., Rosa, N., . . . Rubin, J. (2017). Supporting microservice evolution. *Proceedings - 2017 IEEE International Conference on Software Maintenance and Evolution, ICSME 2017*. doi:10.1109/ICSME.2017.63
- Shegelman, I., Shchukin, P., & Vasilev, A. (2015). Integration of Universities and Industrial Enterprises as a Factor of Higher Vocational Education Development. *Procedia - Social and Behavioral Sciences*, 214, 112-118. doi:10.1016/j.sbspro.2015.11.601
- Silvia. (2017). Perancangan Sistem Layanan Publik Kecamatan Berbasis Service Oriented Architecture (SOA) Untuk Meningkatkan Kinerja Layanan (Studi Kasus : Kecamatan Cimahi Tengah Kota Cimahi).
- SmartBear Software. (n.d.). *SOAP vs REST APIs: Which Is Right For You? | SoapUI*. Retrieved from The World's Most Popular API Testing Tool | SoapUI: <https://www.soapui.org/resources/api-testing/article/soap-vs-rest-api.html>

- Stackify. (2017, Maret 14). *SOAP vs. REST Comparison: Differences in Performance, APIs & More*. Diambil kembali dari Software Development Tools For Diagnosing App Performance Issues: <https://stackify.com/soap-vs-rest/>
- Suhardi, Doss, R., & Yustianto, P. (2015). Service Engineering Based on Service Oriented Architecture methodology. *TELKOMNIKA*.
- Sun, L., Li, Y., & Memon, R. A. (2017). An open IoT framework based on microservices architecture. *China Communications*. doi:10.1109/CC.2017.7868163
- The Open Group. (2009, April). *SOA Reference Architecture – Overview of the SOA RA Layers*. Retrieved from Leading the development of open, vendor-neutral IT standards and certifications | The Open Group: [http://www.opengroup.org/soa/source-book/soa\\_refarch/p7.htm](http://www.opengroup.org/soa/source-book/soa_refarch/p7.htm)
- The Open Group. (n.d.). *Service-Oriented Architecture – What Is SOA?* Retrieved Februari 27, 2018, from Leading the development of open, vendor-neutral IT standards and certifications | The Open Group: [http://www.opengroup.org/soa/source-book/soa/p1.htm#soa\\_definition](http://www.opengroup.org/soa/source-book/soa/p1.htm#soa_definition)
- Utomo, W. H. (2012). Penerapan Enterprise Service Bus (ESB) sebagai Middleware. *Sentika*.
- W3C Working Group Note. (2004, Februari 11). *Web Service Architecture*. Retrieved from World wide Web consortium (W3C): <https://www.w3.org/TR/ws-arch/#technology>
- W3C Working Group Note. (2004, Februari 11). *Web Services Glossary*. Retrieved from World Wide Web Consortium (W3C): <https://www.w3.org/TR/ws-gloss/>
- Wähner, K. (2015, Juli 31). *Microservices = Death of Enterprise Service Bus | The TIBCO Blog*. Retrieved from The TIBCO Blog: <https://www.tibco.com/blog/2015/07/31/microservices-death-of-the-enterprise-service-bus/>

Watts, S. (2017, Juni 14). *Microservices vs SOA: What's the Difference?* - *BMC Blogs*. Retrieved from *Microservices vs SOA: What's the Difference?* - BMC Blogs: <https://www.bmc.com/blogs/microservices-vs-soa-whats-difference/>

Yahoo! (t.thn.). *Fielding discussing the definition of the REST term*. Diambil kembali dari [groups.yahoo.com](https://groups.yahoo.com/neo/groups/rest-discuss/conversations/topics/6735): <https://groups.yahoo.com/neo/groups/rest-discuss/conversations/topics/6735>

Zimmermann, O. (2017, Juli). *Microservices tenets*. *Computer Science - Research and Development*, 32(3-4), 301-310. doi:10.1007/s00450-016-0337-0