

## DAFTAR PUSTAKA

- Abadi, M., Barham, P., Chen, J., Chen, Z., Davis, A., Dean, J., Devin, M., Ghemawat, S., Irving, G., Isard, M., Kudlur, M., Levenberg, J., Monga, R., Moore, S., Murray, D. G., Steiner, B., Tucker, P., Vasudevan, V., Warden, P., ... Zheng, X. (2016). TensorFlow: A system for large-scale machine learning. *Proceedings of the 12th USENIX Symposium on Operating Systems Design and Implementation, OSDI 2016*.
- Amjadi, A. A., Shomali, Z., & Hatami, M. (2012). Defining optimized parameters of seiscomp3 for real-Time seismic data processing in central Alborz Region, Iran. *74th European Association of Geoscientists and Engineers Conference and Exhibition 2012 Incorporating SPE EUROPEC 2012: Responsibly Securing Natural Resources*, 5550–5552.
- Andaru, A. (2018). Pengertian Database Secara Umum. *Proceedings of the 1970 25th Annual Conference on Computers and Crisis: How Computers are Shaping our Future, ACM 1970*.
- Anderson, C. (2015). Docker. Dalam *IEEE Software* (Vol. 32, Nomor 3). <https://doi.org/10.1109/MS.2015.62>
- Aryanti Karlina Nurendyastuti, Mochamad Mardi Marta Dinata, Arumjeni Mitayani, Muhammad Rizki Purnama, Mohammad Bagus Adityawan, Mohammad Farid, Arno Adi Kuntoro, & Widyaningtias. (2022). Tsunami Early Warning System Based on Maritime Wireless Communication. *Journal of the Civil Engineering Forum*. <https://doi.org/10.22146/jcef.2878>
- Auer, F., Lenarduzzi, V., Felderer, M., & Taibi, D. (2021). From monolithic systems to Microservices: An assessment framework. *Information and Software Technology*, 137. <https://doi.org/10.1016/j.infsof.2021.106600>
- Bahri, Z., & Mungkin, M. (2019). Penggunaan SCR sebagai alarm peringatan dini pada saat terjadi gempa bumi. *JET (Journal of Electrical Technology)*, 4(3).

- Beltramone, L., & Gomes, R. C. (2021). Earthquake Early Warning Systems as an Asset Risk Management Tool. Dalam *CivilEng* (Vol. 2, Nomor 1, hlm. 120–133). MDPI. <https://doi.org/10.3390/civileng2010007>
- Dennis, A., Wixom, B. H., & Tegarden, D. (2015). System Analysis & Design An Object - Oriented Approach with UML 5th Edition. Dalam *Information and Software Technology*.
- Hamilton, B. K., & Miles, R. (2006). Learning UML 2.0. Dalam *Polymer Contents* (Vol. 23, Nomor April).
- Hannousse, A., & Yahiouche, S. (2021). Securing microservices and microservice architectures: A systematic mapping study. Dalam *Computer Science Review* (Vol. 41). <https://doi.org/10.1016/j.cosrev.2021.100415>
- Isha, & Sangwan, S. (2014). Software Testing Techniques and Strategies. *International Journal of Engineering Research and Applications*, 4(4).
- Jamshidi, P., Pahl, C., Mendonca, N. C., Lewis, J., & Tilkov, S. (2018). Microservices: The journey so far and challenges ahead. *IEEE Software*, 35(3), 24–35. <https://doi.org/10.1109/MS.2018.2141039>
- Lay, T., Kanamori, H., Ammon, C. J., Nettles, M., Ward, S. N., Aster, R. C., Beck, S. L., Bilek, S. L., Brudzinski, M. R., Butler, R., Deshon, H. R., Ekström, G., Satake, K., & Sipkin, S. (2005). The great Sumatra-Andaman earthquake of 26 December 2004. Dalam *Science* (Vol. 308, Nomor 5725). <https://doi.org/10.1126/science.1112250>
- Mambu, B., Tamuntuan, G. H., & Pasau, G. (2019). Simulasi Ketinggian dan Waktu Tiba Gelombang Tsunami di Tahuna Sebagai Upaya Mitigasi Bencana. *Jurnal MIPA*, 8(1). <https://doi.org/10.35799/jm.8.1.2019.22371>
- Martín, C., Langendoerfer, P., Zarrin, P. S., Díaz, M., & Rubio, B. (2022). Kafka-ML: Connecting the data stream with ML/AI frameworks. *Future Generation Computer Systems*, 126. <https://doi.org/10.1016/j.future.2021.07.037>

- Martínez Solares, J. M., & López Arroyo, A. (2004). The great historical 1755 earthquake. Effects and damage in Spain. *Journal of Seismology*, 8(2). <https://doi.org/10.1023/B:JOSE.0000021365.94606.03>
- Narkhede, N., Shapira, G., & Palino, T. (2017). Kafka : the definitive guide: real-time data and stream processing at scale. Dalam *John Walkenbach's Favorite Excel® 2010 Tips & Tricks*.
- Ohyver, M., Moniaga, J. V., Sungkawa, I., Subagyo, B. E., & Chandra, I. A. (2019). The comparison firebase realtime database and MySQL database performance using wilcoxon signed-rank test. *Procedia Computer Science*, 157, 396–405. <https://doi.org/10.1016/j.procs.2019.08.231>
- Pesaresi, D. (2011). The EGU2010 SM1.3 seismic centers data acquisition session: An introduction to antelope, earthworm and SeisComP, and their use around the world. *Annals of Geophysics*, 54(1). <https://doi.org/10.4401/ag-4972>
- Potdar, A. M., Narayan, D. G., Kengond, S., & Mulla, M. M. (2020). Performance Evaluation of Docker Container and Virtual Machine. *Procedia Computer Science*, 171. <https://doi.org/10.1016/j.procs.2020.04.152>
- Rahmadhani, N., Suprayogi, A., & Sabri, L. (2013). Analisis Aksesibilitas Shelter Evakuasi Tsunami Di Kota Padang Berbasis Sistem Informasi Geografis. *Jurnal Geodesi Undip*, 2(1).
- Rifa, I. H., Pratiwi, H., & Respatiwan. (2019). Implementasi Algoritma CLARA Untuk Data Gempa Bumi di Indonesia. *Seminar Nasional Penelitian Pendidikan Matematika (SNP2M)*, 2006.
- Rosenberg, D., & Scott, K. (2001). *Applying use case driven object modeling with UML: an anotated e-commerce example*. Addison-Wesley Professional.
- Rosenberg, D., Stephens, M., & Collins-Cope, M. (2005). Agile development with ICONIX process: People, process, and pragmatism. Dalam *Agile Development with ICONIX*

*Process: People, Process, and Pragmatism*. <https://doi.org/10.1007-978-1-4302-0009-3>

Rosenberg, Doug., & Stephens, Matt. (2007). *Use case driven object modeling with UML : theory and practice*. Apress.

Shaheen, A., Waheed, U. B., Fehler, M., Sokol, L., & Hanafy, S. (2021). Groningennet: Deep learning for low-magnitude earthquake detection on a multi-level sensor network. *Sensors*, 21(23). <https://doi.org/10.3390/s21238080>

Sinambela, A., Ernawati, E., & Coastera, F. F. (2021). Implementasi Arsitektur Microservices Pada Rancang Bangun Aplikasi Marketplace Berbasis Web (Studi Kasus : Pasar Tradisional Modern Kota Bengkulu). *Rekursif: Jurnal Informatika*, 9(1). <https://doi.org/10.33369/rekursif.v9i1.14929>

Sisik, J., Wardana, I. M. S., Zuhdi, M., A, S., & Syamsuddin, S. (2023). Efektivitas Sistem Informasi Indonesia Tsunami Early Warning System (InaTEWS). *Jurnal Pendidikan, Sains, Geologi, dan Geofisika (GeoScienceEd Journal)*, 4(1). <https://doi.org/10.29303/goescienceed.v4i1.219>

Soewito, B., Christian, Gunawan, F. E., Diana, & Gede Putra Kusuma, I. (2019). Websocket to support real time smart home applications. *Procedia Computer Science*, 157, 560–566. <https://doi.org/10.1016/j.procs.2019.09.014>

Xiao, H., Spica, Z. J., Li, J., & Zhan, Z. (2024). Detection of Earthquake Infragravity and Tsunami Waves With Underwater Distributed Acoustic Sensing. *Geophysical Research Letters*, 51(2). <https://doi.org/10.1029/2023GL106767>

Yang, A., Troup, M., & Ho, J. W. K. (2017). Scalability and Validation of Big Data Bioinformatics Software. *Computational and Structural Biotechnology Journal*, 15, 379–386. <https://doi.org/10.1016/j.csbj.2017.07.002>

Yellavula, N. (2017). Building RESTful Web Services with go. Dalam *Oracle and/or its affiliates*.

Zhu, W., Hou, A. B., Yang, R., Datta, A., Mostafa Mousavi, S., Ellsworth, W. L., & Beroza, G. C. (2023). QuakeFlow: a scalable machine-learning-based earthquake monitoring workflow with cloud computing. *Geophysical Journal International*, 232(1). <https://doi.org/10.1093/gji/ggac355>