

## DAFTAR PUSTAKA

- Badan Nasional Penanggulangan Bencana. (2004). *Peraturan Kepala Badan Nasional Penanggulangan Bencana Nomor 4 Tahun 2004 tentang Pedoman Penyusunan Rencana Penanggulangan Bencana*.
- Barjitya, S., Sharma, A., & Rani, U. (2017). A Study of Software Development Life Cycle Process Models. *International Journal Of Engineering And Computer Science*, 6(7). <https://doi.org/10.2139/ssrn.2988291>
- Barzegar, M., Sadeghi-Niaraki, A., & Shakeri, M. (2019). Spatial Experience Based Route Finding Using Ontologies. *ETRI Journal*. <https://doi.org/10.4218/etrij.2017-0246>
- Bassil, Y. (2012). A Simulation Model for the Waterfall Software Development Life Cycle. *International Journal of Engineering and Technology (IJET)*, 2(5). <http://arxiv.org/abs/1205.6904>
- Bhanumurthy, V., Bothale, V. M., Kumar, B., Urkude, N., & Shukla, R. (2015). Route Analysis for Decesion Support System in Emergency Management Through Gis Technologies. *International Journal of Advanced Engineering and Global Technology*, 3(2), 345–350.
- Caballero, L. C., Choy, J. L. C., & Micheline, R. B. (2015). RIMAC Project: Open Urban Routing Information System Fed by Real Time Reliable Sources. *International Smart Cities Conference*. <https://doi.org/10.1109/ISC2.2015.7366205>
- Chadha, C., & Garg, S. (2018). Shortest Path Analysis on Geospatial Data Using PgRouting. In *International Conference on Innovative Computing and Communications* (Vol. 55). Springer Singapore. <https://doi.org/10.1007/978-981-13-2324-9>
- Chen, Y. Z., Shen, S. F., Chen, T., & Yang, R. (2014). Path Optimization Study for Vehicles Evacuation Based on Dijkstra Algorithm. *Procedia Engineering*, 71, 159–165. <https://doi.org/10.1016/j.proeng.2014.04.023>
- Choosumrong, S., Humhong, C., Raghavan, V., & Fenoy, G. (2019). Development Of Optimal Routing Service For Emergency Scenarios Using pgRouting and FOSS4G. *Spatial Information Research*, 27(4), 465–474. <https://doi.org/10.1007/s41324-019-00248-2>
- Choosumrong, S., & Raghavan, V. (2011). Real-Time Cost Updates Based on Current Traffic Condition for Optimal Routing Planning. *Asian Conference on Remote Sensing*, 2, 1183–1188.
- Choosumrong, S., Raghavan, V., Delucchi, L., Yoshida, D., & Vinayaraj, P. (2014). Implementation of Dynamic Routing as A Web Service for Emergency Routing Decision Planning. *International Journal of Geoinformatics*, 10(2), 13–20.
- Cormen, T., Leiserson, C. E., Rivest, R. L., & Stein, C. (2009). *Introduction To*

*Algorithms* (3rd ed.).

- Dinas Pemadam Kebakaran Jakarta. (2020). *Waktu Tanggap (Response Time) Pemadam Kebakaran*. <https://www.jakartafire.net/profile/detail/20/waktu-tanggap>
- Dong, X., Li, Y., Pan, Y., Huang, Y., & Cheng, X. (2018). Study On Urban Fire Station Planning Based On Fire Risk Assessment And GIS Technology. *Procedia Engineering*.
- Dorman, M. (2020). Introduction to Web Mapping. In *Introduction to Web Mapping* (1st ed.). CRC Press. <https://doi.org/10.1201/9780429352874>
- Duckett, J. (2011). *HTML and CSS: Design and Build Websites*. Wiley. <https://doi.org/10.4324/9780203994979-11>
- Fischer, M. M. (2006). *Spatial Analysis and Geocomputation* (1st ed.). Springer.
- Garcia-Molina, H., Ullman, J. D., & Widom, J. (2009). *Database Systems: The Complete Book* (T. Dunkelberger (ed.); 2nd ed.). Pearson Prentice Hall.
- Gonzaga, A., Widi, J., Irawan, B., Si, S., & Setianingsih, C. (2017). Optimal Finding Route Application Design And Implementation For Firefighter. *E-Proceeding of Engineering*, 4(3), 3993–4000.
- Harms, I., & Schweibenz, W. (2000). Usability Engineering Methods for the Web Results From a Usability Study. *Internationalen Symposiums Für Informationswissenschaft*, 8(10), 17–30.
- Holzinger, A. (2005). Usability Engineering Methods for Software Development. *Communication of The ACM*, 48(1), 71–74.
- Indonesia. (2004). *Undang-Undang Nomor 38 Tahun 2004 Tentang Jalan*.
- Kettenis, J. (2007). *Getting Started With Use Case Modeling*. Oracle. <http://www.oracle.com/technetwork/testcontent/gettingstartedwithusecasemodeling-133857.pdf>
- Kohler, A., Julich, S., & Bloemertz, L. (2004). *Guidelines: Risk Analysis - A bases for disaster risk management*. <http://www.gtz.de/de/dokumente/en-risk-analysis-basis-for-disaster-risk-management.pdf>
- Kurniawan, A. (2016). *PHP and PostgreSQL Programming By Example* (1st ed.). PE Press.
- Kurosu, Masaaki. (2015). Human-Computer Interaction: Design and Evaluation. In Masaaki Kurosu (Ed.), *The 17th International Conference on Human-Computer Interaction: Vol. I* (pp. 169–177). Springer International Publishing. [https://doi.org/10.1007/978-3-319-20901-2\\_19](https://doi.org/10.1007/978-3-319-20901-2_19)
- Li, S., Veenendaal, B., & Dragičević, S. (2011). *Advances, challenges and future directions in web-based GIS, mapping services and applications* (1st ed.). CRC Press. <https://doi.org/10.1201/b11080-3>
- Longley, P., Goodchild, M., Maguire, D., & Rhind, D. (2015). *Geographic*

*Information Science and Systems*. Wiley.

Michael, B. (2010). *Preparedness Disaster Management* (1st ed.). F. A. Davis Company.

Miguel, J. P., David, M., & Rodriguez, G. (2014). A Review Of Software Quality Models For The Evaluation of Software Products. *International Journal of Software Engineering & Applications (IJSEA)*, 5(6).

Mikiewicz, D., Mackiewicz, M., & Nycz, T. (2017). *Mastering PostGIS* (1st ed.). Packt Publishing. [www.packtpub.com](http://www.packtpub.com)

Miller, H. J., & Shaw, S. L. (2001). *Geographic Information Systems for Transportation: Principles and Applications*. Oxford University Press.

Mitchell, T. (2005). *Web Mapping Illustrated* (1st ed.). O'Reilly.

Nixon, R. (2018). *Learning PHP, MySQL, and JavaScript: with jQuery, CSS, HTML5* (5th ed.). O'Reilly.

Obe, R., & Hsu. Lou. (2017). *pgRouting : A Practical Guide* (G. E. Sherman (ed.)). Locate Press.

pgRouting Contributors. (2018). *pgRouting Manual*.

Pritee, K., Garg, R. D., & Ohri, A. (2019). Windows Implementation of PgRouting to find Shortest Path using Dijkstra's Algorithm for Varanasi Road Network. *Journal of Basic and Applied Engineering Research*, 2(2), 85–88.

Pritee, K., & R.D., G. (2017). Identification of Optimum Shortest Path using Multipath Dijkstra's Algorithm Approach. *International Journal of Advanced Remote Sensing and GIS*, 6(1), 2442–2448. <https://doi.org/10.23953/cloud.ijarsg.321>

Riad, A. M., El-Mikkawy, M. E. A., & Shabana, B. T. (2012). Real Time Route for Dynamic Road Congestions. *International Journal of Computer Science Issues*, 9(3), 423–428.

Rigaux, P., Scholl, M., & Voisard, A. (2006). *Spatial Databases With Application to GIS* (1st ed.). Elsevier Science. <https://doi.org/10.1016/b978-1-55860-711-8.50025-3>

Rumbaugh, J., Jacobson, I., & Booch, G. (2013). *The Unified Modeling Language Reference Manual* (1st ed.). Addison Wesley Longman. <https://doi.org/10.1017/CBO9781107415324.004>

Septifany, D. S., Nugraha, A. L., & Awaluddin, M. (2017). Analisis Optimalisasi Rute Pemadam Kebakaran Berdasarkan Area Cakupan Pipa Hidran Di Kota Semarang. *Jurnal Geodesi Undip*, 6(3), 28–36.

Silberschatz, A., Korth, H. F., & Sudarshan, S. (2011). *Database System Concepts - 6th. ed.* (7th ed., Vol. 4). Mc Graw Hill Education.

Tomaszewski, B. (2014). *Geographic information systems (GIS) for disaster management*. CRC Press. <https://doi.org/10.1201/b17851>

- Tullis, T., & Albert, B. (2013). *Measuring the User Experience* (M. Dunkerley (ed.); 2nd ed.). Elsevier. <https://doi.org/10.1016/C2011-0-00016-9>
- Wazlawick, R. S. (2013). *Object-Oriented Analysis and Design for Information Systems* (A. Dierna (ed.); Vol. 53). Elsevier.
- Yeung, A. K. W., & Hall, G. B. (2007). Spatial Database Systems. In *Journal of Chemical Information and Modeling* (Vol. 53, Issue 9). Springer. <https://doi.org/10.1017/CBO9781107415324.004>