

## DAFTAR PUSTAKA

- Anderson, T. K. (2009). *Kernel density estimation and K-means clustering to profile road accident hotspots*. *Accident Analysis and Prevention*, 41(3), 359–364. <https://doi.org/10.1016/j.aap.2008.12.014>
- Altaweel, Mark. (2017). [https://www.gislounge.com/density-mapping/#\\_ftn1](https://www.gislounge.com/density-mapping/#_ftn1) Access Wednesday, 17 April 2024.
- Aronoff, Stan. 1989. *Geographic Information System; A Management Perspective*, Ottawa.WDL, Publications.
- Aydin, Y . E. (2006). *Web Based Multi Participant Spatial Data Entry in Crime Mapping*. Middle East Technical University
- Bertin, J. (1967). *Semiology of Graphics: Diagram, Networks, Maps*, Translated by William J. Berg, 2011. Esri Press.
- Deeb, R. (2015). *Assessing Visual Variables of Cartographic Text Design*. Ghent University.
- Deepak, N., & Kumar, S. (2015). *Flexible Self-Managing Pipe-line Framework Reducing Development Risk to Improve Software Quality*. *International Journal of Information Technology and Computer Science*, 7(7), 35–47. <https://doi.org/10.5815/ijitcs.2015.07.05>
- Esri. (2018a). *How Kernel Density works—Help | ArcGIS for Desktop*. <https://desktop.arcgis.com/en/arcmap/latest/tools/spatial-analyst-toolbox/kernel-density.htm> Access Sunday, 26 May 2024.
- Esri. (2018b). *How Line Density works—Help | ArcGIS for Desktop*. <https://desktop.arcgis.com/en/arcmap/10.3/tools/spatial-analyst-toolbox/how-line-density-works.htm> Access Sunday, 26 May 2024
- Esri. (2018c). *How Point Density works—Help | ArcGIS for Desktop*. <https://pro.arcgis.com/en/pro-app/latest/tool-reference/spatial-analyst/point-density.htm> Access Sunday, 26 May 2024
- Esri. (2020). *ArcGIS Online: Mapping and analysis in the cloud*. Environmental Systems Research Institute. <https://www.esri.com/en-us/arcgis/products/arcgis-online/overview> Access Thursday, 10 April 2025
- Ester, Martin; Kriegel, Hans-Peter; Sander, Jörg and Xu, Xiaowei. 1996. *A densitybased algorithm for discovering clusters in large spatial databases with noise*. Simoudis, Evangelos
- Goyal, H., Sharma, C., & Joshi, N. (2017). *An Integrated Approach of GIS and Spatial Data Mining in Big Data*. *International Journal of Computer Applications*, 169(11), 1–6. <https://doi.org/10.5120/ijca2017914012>
- Han, Y., Hu, Y., Zhu, H., & Wang, F. (2023). *A cyclically adjusted spatio-temporal kernel density estimation method for predictive crime hotspot analysis*. *Annals of GIS*, 29(2), 177–191. <https://doi.org/10.1080/19475683.2023.2166584>

- Hu, Y., Wang, F., Guin, C., & Zhu, H. (2018). *A spatio-temporal kernel density estimation framework for predictive crime hotspot mapping and evaluation*. Applied Geography, 99, 89–97. <https://doi.org/10.1016/j.apgeog.2018.08.001>
- Ilmawan, H., dan Santosa, P. B. (2021). *Visualisasi Data Statistik Kabupaten Banyumas Menggunakan Peta Interaktif*. Geoid, 16(2), 150. <https://doi.org/10.12962/j24423998.v16i2.7842>
- Kamatchia, R., Iyer, J., dan Singh, S. (2013). *Software Engineering: Web Development Life cycle*. International Journal of Engineering Research & Technology (IJERT), 2(3), 1–4. <https://doi.org/10.17577/IJERTV2IS3438>
- Kraak, M. J., dan Brown, A. (2001). *Web Cartography*. ITC Division of Geoinformatics, Cartography and Visualisation, Enschede, The Netherlands
- Lambert, N., & Zanin, C. (2020). *Practical Handbook of Thematic Cartography; Principles, Methods, and Application*. <http://taylorandfrancis.com>
- Lapaine, M., Midtbø, T., Gartner, G., Bandrova, T., Wang, T., & Shen, J. (2021). *Definition of the Map*. *Advances in Cartography and GIScience of the ICA*, 3, 1–6. <https://doi.org/10.5194/ica-adv-3-9-2021>
- Lwin, K. K., Estoque, R. C., & Murayama, Y. (2012). *Data Collection, Processing, and Applications for Geospatial Analysis*. In *Journal Of Geographic Information System*, 6(02)
- Mitchell, T. (2005). *Web Mapping Illustrated: Using Open Source GIS Toolkits*. O'Reilly Media
- Nurdiati, S., Barus, B., & Prasetyo, D. (2006). *Pengembangan Sistem Informasi Geografis Tindak Kejahatan Multilevel berbasis Web*. *Journal IPB*
- Nurhadryani, Y., Sianturi, S. K., Hermadi, I., & Khotimah, H. (2013). *Pengujian Usability untuk Meningkatkan Antarmuka Aplikasi Mobile Usability Testing to Enhance Mobile Application User Interface*. <http://journal.ipb.ac.id/index.php/jika>
- Prathap, B. R., & Ramesha, K. (2020). *Geospatial crime analysis to determine crime density using kernel density estimation for the indian context*. *Journal of Computational and Theoretical Nanoscience*, 17(1), 74–86. <https://doi.org/10.1166/jctn.2020.8632>
- Raharjo, Beni, Natres, dan Muhammad Ikhsan. (2015). *Belajar ArcGIS Desktop 10: ArcGIS 10.2/10.3*. Kalimantan Selatan: Geosiana Press.
- Soekanto, Soerjono. (2010). *Pengantar Penelitian Hukum*. Universitas Indonesia Press. Jakarta.
- Soysal, O. M., Schneider, H., Shrestha, A., Sekeroglu, K., Soysal, Ö. M., Guempel, C. D., Li, P., Donepudi, H., & Kondoju, N. K. (2012). *Zonal Statistics to Identify Hot-regions of Traffic Accidents*. <https://www.researchgate.net/publication/268274048>
- Sudipa, I. G. I., Sarasvananda, I. B. G., Hartatik, Prayitno, H., Putra, I. N. T. A., Darmawan, R., dan Atmojo, D. (2023). *Visualisasi. Teknik Visualisasi Data* (hal. 1 – 92). Jambi: PT. Sonpedia Publishing Indonesia
- Sugiyono. (2013). *Metode Penelitian Kuantitatif Kualitatif Dan R&D*. Bandung : Alfabeta



- Tait, A. (2018). *Visual Hierarchy and Layout. Geographic Information Science & Technology Body of Knowledge*. <https://doi.org/10.22224/gistbok/2018.2.4>
- Toppireddy, H. K. R., Saini, B., & Mahajan, G. (2018). *Crime Prediction & Monitoring Framework Based on Spatial Analysis*. *Procedia Computer Science*, 132, 696–705. <https://doi.org/10.1016/j.procs.2018.05.075>
- Y. Murayama (2012), *Progress in Geospatial Analysis*. Tokyo: Springer Japan 2012. <https://doi.org/10.1007/978-4-431-54000-7>
- You, M., Chen, C.-w., Liu, H., & Lin, H. (2007). *A usability evaluation of web map zoom and pan functions*. *International Journal of Design*, 1(1), 15-25.