

## DAFTAR PUSTAKA

- Abdullahi, F. B., Lawal, M. M., dan Agushaka, J. O., 2010, "Design and implementation of a Web-based GIS for public healthcare decision support system in Zaria metropolis", *Int J Res Rev Appl Sci*, Vol. 4 (4), hal. 435-439.
- Alesheikh, A. A., Helali, H., dan Behroz, H. A., 2002, "Web GIS: technologies and its applications", *Symposium on geospatial theory, processing and applications*, Vol. 15.
- Alves, L. L. dan Davis Jr., C. A., 2007, "Evaluation of OGC web services for local spatial data infrastructures and for the development of clients for geographic information systems", *Advances in Geoinformatics*, hal. 217-234, Springer Berlin Heidelberg.
- Anderson, G., dan Moreno-Sanchez, R., 2003, "building web-based spatial information solutions around open specifications and open source software", *Transactions in GIS*, Vol. 7 (4), hal. 447-466.
- Anonim, 2007, "local government spatial information management toolkit", *Module*, Australian Local Government Association and ANZLIC, diakses pada 20 April 2016, [http://alga.asn.au/site/misc/alga/downloads/info-technology/02\\_Spatial\\_Toolkit\\_Module2.pdf](http://alga.asn.au/site/misc/alga/downloads/info-technology/02_Spatial_Toolkit_Module2.pdf).
- Anselin, L., 1998, "GIS research infrastructure for spatial analysis of real estate markets." *Journal of Housing Research*, Vol. 9 (1), hal. 113-133.
- Bevan, N., 1995, "Usability is quality of use", *Proceedings of 6th International Conference on Human Interaction*, (Ed.) Anzai & Ogawa, Yokohama, Elsevier.
- Bevan, N., 2000, "Cost benefit analysis", *TRUMP report (September 2000)*.
- Bevan, N., Barnum, C., Cockton, G., Nielsen, J., Spool, J., dan Wixon, D., 2003, "The magic number 5: is it enough for web testing?", *CHI'03 extended abstracts on Human factors in computing systems*, hal. 698-699, ACM.
- Booth, R. dan Rogers, J., 2001, "Using GIS technology to manage infrastructure capital assets", *Journal (American Water Works Association)*, Vol. 93 (11), hal. 62-68.
- CERF, 1996, "Level of investment study: facility and infrastructure maintenance and repair", Civil Engineering Research Foundation, Washington, D.C.
- Congalton, R. G. dan Green, K., 1992, "The ABCs of GIS", *Journal of Forestry*, Vol. 90 (11), hal. 13-20.
- County, C., 2006, "Geographic information systems strategic plan", diakses pada tanggal 20 April 2016, [www.co.coles.il.us/gis/strategicplan.pdf](http://www.co.coles.il.us/gis/strategicplan.pdf).
- Davis, A. M., Bersoff, E. H., dan Comer, E. R., 1988, "A strategy for comparing alternative software development life cycle models", *IEEE*, Vol. 14 (10).

- De Smith, M. J., Goodchild, M. F., dan Longley, P., 2007, *Geospatial analysis: a comprehensive guide to principles, techniques and software tools*, Troubador Publishing Ltd.
- Dragičević, S., 2004, "The potential of web-based GIS", *Journal of Geographical Systems*, Vol. 6 (2), hal. 79-81.
- ESRI, 2013, *Return on investment: ten GIS case studies*, diakses pada 9 Februari 2016, [www.esri.com/library/ebooks/return-on-investment.pdf](http://www.esri.com/library/ebooks/return-on-investment.pdf).
- Firdaus, R., Muludi, K., dan Sinurat, S. P., 2016, "Sistem informasi inventarisasi aset berbasis web GIS di PT. PLN (Persero) sektor pembangkitan Tarahan", *Jurnal Komputasi*, Vol. 3 (1).
- Fuad, S., 2011, "Information systems: definitions and components", *Lecture Note*, diakses 19 April 2016, [http://www.uotechnology.edu.iq/ce/Lectures/SarmadFuad-MIS/MIS\\_Lecture\\_3.pdf](http://www.uotechnology.edu.iq/ce/Lectures/SarmadFuad-MIS/MIS_Lecture_3.pdf).
- Goodchild, M. F., 1998, "Geographic information systems and disaggregate transportation modeling", *Geographical Systems*, Vol. 5, hal. 19-44.
- Goodwin, N. C., 1987, "Functionality and usability", *Communications of the ACM*, Vol. 30 (3), hal. 229-233.
- Halfawy, M., 2004, "The interoperability of geographic information systems for municipal asset management applications", *Institute for Research in Construction, National Research Council of Canada, Ottawa, Ont. Municipal Infrastructure Investment Planning Project Report B-5123.4*.
- Halfawy, M. R. dan Figueroa, R., 2006, "Developing enterprise GIS-based data repositories for municipal infrastructure asset management", Prosiding, *Joint International Conference on Computing and Decision Making in Civil and Building Engineering, ICCCB/ASCE/DMUCE/CIB*, Montreal, Canada.
- Hall, J. P., 2015, *Successful Practices in GIS-based Asset Management*, No. Project 08-87.
- Helali, H. 2001, "Design and implementation of a web GIS for the city of Tehran", Thesis, Department Of Geodesy And Geomatics Engineering KN Toosi University Of Technology, Tehran, Iran.
- Holdstock, D., 2007, "Return on investment-the key to GIS implementation", *GEO WORLD*, Vol. 20 (4), hal. 26-29.
- Keenan, P., 2005, "Concepts and theories of GIS in business", Ed. Pick, J. B., *Geographic information systems in business*, hal. 1.
- Kubota, S., Sugawara, T., Kosawada, T., dan Abe, A., 2011, "Web GIS-based information portal system for road maintenance", *Geoinformatics, 19th International Conference*, IEEE.
- Landauer, T. K., 1995, *The trouble with computers: usefulness, usability, and productivity*, Vol. 21, Cambridge, MA: MIT press.
- Laurini, R. dan Thompson, D., 1992, *Fundamentals of spatial information systems*, (No. 37), Academic press.

- Layard, R. dan Glaister, S., 1994, *Cost-benefit analysis*, Cambridge University Press.
- Lemer, A. C., 1998, "Progress toward integrated infrastructure-assets-management systems: GIS and beyond", *Innovations in Urban Infrastructure Seminar of the APWA International Public Works Congress*.
- Maguire, D. J., 1991, "An overview and definition of GIS", *Geographical Information Systems: principles and applications*, Vol. 1, hal. 9-20.
- Maguire, D. J., Kouyoumjian, V. dan Smith, R., 2008, *The business benefits of GIS: an ROI approach*, ESRI, Inc..
- Maguire, M. dan Bevan, N., 2002, "User requirements analysis", *Usability*, Springer US, hal. 133-148.
- Matera, M., Rizzo, F., dan Carughi, G., 2006, "Web usability: Principles and evaluation methods", *Web engineering*, hal. 143-180.
- McMahon, N. A., 2016, "The role of GIS in asset management: county of Kauai Department of Parks and Recreation a need for an asset management program", Disertasi, University of Southern California.
- Nedović-Budić, Z., 1998, "The impact of GIS technology", *Environment and Planning B: Planning and Design*, Vol. 25 (5), hal. 681-692.
- Nielsen, J., 1993, *Usability engineering*, Academic Press, Boston, MA.
- Nielsen, J., 2000, "Why you only need to test with 5 users", diakses pada tanggal 20 April 2017, [www.useit.com/alertbox/2000319.html](http://www.useit.com/alertbox/2000319.html).
- Olphert, C. W. dan Damodaran, L., 2004, "Getting what you want, or wanting what you get?—Beyond user centered design", *Design and Emotion*, Ed. Erp, J. V. dan Gyi, D., CRC Press.
- Peterson, K., 1998, "Development of spatial decision support systems for residential real estate." *Journal of Housing Research*, Vol. 9 (1), hal. 135-156.
- Pick, J., 2005, "Costs and benefits of GIS in business", *Geographic Information Systems in Business*, hal. 56-78.
- Rajabifard, A., Feeney, M. F., dan Williamson, I. P., 2002, "Future directions for SDI development", *International Journal of Applied Earth Observation and Geoinformation*, Vol. 4, hal. 11-22.
- Ramlal, B., 2005, "Using GIS for asset management in Trinidad and Tobago", *Journal of the Association of Professional Engineers of Trinidad and Tobago* Vol. 36 (1), hal. 16-21.
- Rinner, C. dan Jankowski, P., 2002, "Web-based spatial decision support-technical foundations and applications." *The Encyclopedia of Life Support Systems*.
- Rock, C., 2004, "Town of Castle Rock Geographic Information Systems", diakses pada tanggal 22 Maret 2016, <http://catalog.douglascountylibraries.org/Record/723048>.

- Rolf, A. D., 2004, *Principles of geographic information systems: an introductory textbook* (Vol. 1). International Institute for Geo-Information Science and Earth Observation.
- Schneider, J., Gaul, A. J., Neumann, C., Hognräfer, J., Wellßow, W., Schwan, M., dan Schnettler, A., dkk., 2006, "Asset management techniques", *International Journal of Electrical Power & Energy Systems*, Vol. 28 (9), hal. 643-654.
- Schultz, A. J., 2012, "The role of GIS in asset management: Integration at the Otay Water District", Disertasi, University of Southern California.
- Semple, H., Qin, H., dan Sasson, C., 2013, "Development of a web GIS application for visualizing and analyzing community out of hospital cardiac arrest patterns", *Online journal of public health informatics*, Vol. 5 (2).
- Shekhar, S. dan Chawla, S., 2003, *Spatial databases: a tour*, Upper Saddle River, NJ: Prentice Hall.
- Singh, P. S., Chutia, D., dan Sudhakar, S., 2012, "Development of a web based GIS application for spatial natural resources information system using effective open source software and standards", *Journal of Geographic Information System*, Vol. 4 (3).
- Spool, J., dan Schroeder, W., 2001, "Testing web sites: five users is nowhere near enough", *CHI'01 extended abstracts on Human factors in computing systems*, hal. 285-286, ACM.
- Stair, R., dan Reynolds, G., 2013, *Fundamentals of information systems*. Cengage Learning.
- Vanier, D. D., 2001, "Why industry needs asset management tools", *Journal of computing in civil engineering*, Vol. 15 (1), hal. 35-43.
- Virzi, R. A., 1992, "Refining the test phase of usability evaluation: How many subjects is enough?", *Human Factors: The Journal of the Human Factors and Ergonomics Society*, Vol. 34 (4), hal. 457-468.
- Waljiyanto, 2003, *Sistem basisdata analisis dan pemodelan data*, Graha Ilmu, Yogyakarta.
- Wheeler, D. A., 2015, "Why open source software/free software (OSS/FS, FLOSS, or FOSS)? Look at the numbers", diakses pada tanggal 16 Februari 2017, [https://www.dwheeler.com/oss\\_fs\\_why.html](https://www.dwheeler.com/oss_fs_why.html).
- Winnipeg, 1998, "Strategic infrastructure reinvestment policy: report and recommendations", *Strategic Infrastructure Reinvestment Policy*, City of Winnipeg, 100 Main Street, Winnipeg, Manitoba, Canada.
- Yeung, A. K., dan Hall, G. B., 2007, *Spatial database systems: design, implementation and project management*, Vol. 87, Springer Science & Business Media.