

DAFTAR PUSTAKA

- Anonim (2002), SNI 7509-2011 Tentang Tata Cara Perencanaan Teknik Jaringan Distribusi dan Unit Pelayanan Sistem Penyediaan Air Minum, Badan Standarisasi Nasional.
- Alkassseh, J and Adlan, M.N., and Abustan, I and Aziz, H., and Hanif, A. (2013). Applying Minimum Night Flow to Estimate Water *loss* Using Statistical Modeling: A Case Study in Kinta Valley, Malaysia. *Water Resources Management*. 27. 10.1007/s11269-012-0247-2.
- Awad, H., and Yassin, A. (2014). *Geographic Information Systems in Water Distribution Networks*, (May).
- AWWA, *Principles and Practices of Water Supply Operations: Water Transmission and Distribution*; Fourth Edition, AWWA, 2010.
- Bhave P (1988) Calibrating water distribution network models. *J Environ Eng ASCE* 114:120–136.
- BPPSPAM. (2014) : *Pedoman Penurunan Air Tak Berekoning (non revenue water)*. Kementerian Pekerjaan Umum BPPSPAM : Jakarta.
- Cannarozzo, M., Criminisi, A., Gagliardi, M., and Mazzola, M. R. (2006). *Statistical Analysis Of Water Main Failures In The Distribution Network Of An Italia Municipality*, 1 - 18.
- Criminisi, A., Fontanazza, C., Freni, G., and la Loggia, G. (2009). Evaluation of the Apparent *losses* Caused by Water Meter Under-Registration in Intermittent Water *supply*. *Water science and technology : a journal of the International Association on Water Pollution Research*. 60. 2373-82. 10.2166/wst.2009.423.
- Di Nardo, A., Di Natale, M., Giudicianni, C., Greco, R. and Santonastaso, G. (2017) Weighted spectral clustering for water distribution network partitioning. *Appl Netw Sci* 2, 19.
- Farley, M., Wyeth, G., Ghazali, Z., B. M., Istandar, A. and Ginh, S. (2008). *Buku Pegangan tentang Air Tak Berekoning (NRW) untuk Manajer - Panduan untuk Memahami Kehilangan Air*. van Dijk, N., Raksakulthai, V., dan Kirkwood, E., penyunting. Terjemahan dari: *The manager's non-revenue water handbook. A Guide to Understanding Water losses*. 119 hal.
- Ghozali, I. (2005). *Aplikasi Analisis Multivarians dengan Program SPSS*. Semarang : Badan Penerbit Universitas Diponegoro.
- Gomes R., Marques. A and Sousa J., Decision support system to divide a large network into suitable District Metered Areas. *Water Sci Technology*. 2012;65(9):1667-1675. doi:10.2166/wst.2012.061.

- Greco, M., Del Giudice, G. (1999). New Approach to Water Distribution Network Calibration. *Journal of Hydraulic Engineering*. 125. 849–854. 10.1061/(ASCE)0733-9429(1999)125:8(849).
- Greco M., Di Cristo C. (1999). Calibration for Hydraulic Network Simulation, International Water Resources Engineering Conference, A.S.C.E., Seattle.
- Hadi, S.(2001), Analisis Regresi. Yogyakarta: CV Andi.
- Haestad., Walski, T., Chase, D., Savic, D., Grayman, W., Backwith, S and Koelle, E. (2004). Advanced Water Distribution Modeling and Management.
- Islam, M. S. (2012). Water distribution system failures: an integrated framework for prognostic and diagnostic analyses.
- Izquierdo, J., Herrera, M., Montalvo, I., Pérez-garcía, R., Valencia, U. P. De, and Vera, C. De. (2011). Division of Water *supply* Systems into District Metered Areas Using a Multi-agent Based Approach, 167–168.
- Jadhao, R.D., Gupta, R. (2018) Calibration of water distribution network of the Ramnagar zone in Nagpur City using online *pressure* and flow data. *Appl Water Sci* 8, 29. <https://doi.org/10.1007/s13201-018-0672-3>.
- Jang, D., Choi, G. (2017). Estimation of Non-Revenue Water Ratio Using MRA and ANN in Water Distribution Networks. *Water*. 10. 2. 10.3390/w10010002.
- Jonathan, Sarwono. (2006). Metode Penelitian Kuantitatif dan Kualitatif. Yogyakarta :Graha Ilmu.
- Kanakoudis, V. (2004). A troubleshooting manual for handling operational problems in water pipe networks. *Aqua*. 53. 109-124. 10.2166/aqua.2004.0010.
- Kanakoudis, V, Gonelas, K (2014), Applying *pressure* Management to Reduce Water *losses* in Two Greek Cities' WDSs: Expectations, Problems, Results and Revisions, *Procedia Eng*. 89, 318-325.
- Kiliç, Y., Özdemir, Ö., Orhan, C., and Firat, M. (2018). Evaluation of Technical Performance of Pipes in Water Distribution Systems by Analytic Hierarchy Process. *Sustainable Cities and Society*. 42. 10.1016/j.scs.2018.06.035.
- Laaribi, A., (2000), SIG et Analyse Multicite`re (Paris: Herme`s Sciences Publications).
- Lambert, A.O., (2002). International Report: Water *losses* management and techniques. *Water Science and Technology: Water supply*. 2. 1-20. 10.2166/ws.2002.0115.
- Lambert, A.O, Brown T.G., M. Takizawa, D. Weimer (1999), A review of

performance indicators for real *losses* from water *supply* systems. *Journal of Water supply: Research and Technology-Aqua* 1 October 1999; 48 (6): 227–237. doi: <https://doi.org/10.2166/aqua.1999.0025>.

Mateo, J. (2012). Weighted Sum Method and Weighted Product Method. 10.1007/978-1-4471-2346-0_4.

Menteri Pekerjaan Umum. Peraturan Menteri Pekerjaan Umum Nomor 27/PRT/M/2016. (2006). Penyelenggaraan Sistem Penyediaan Air Minum. Jakarta: Kementerian Pekerjaan Umum.

Menteri Pekerjaan Umum. Peraturan Menteri Pekerjaan Umum Nomor 20/PRT/M/2006. (2006). Kebijakan dan Strategi Nasional Pengembangan Sistem Penyediaan Air Minum (KSNP-SPAM). Jakarta: Kementerian Pekerjaan Umum.

Marzouk, M., Hamid, S., and El-Said, M. (2014). A methodology for prioritizing water mains rehabilitation in Egypt. *HBRC Journal*. 11. 10.1016/j.hbrcj.2014.03.002.

Morrison, J. (2003). IWA Taskforce Managing leakage by District Metered Areas : a practical approach, (January 2000), 2003–2005.

Mutikanga, H.E., Sharma, S. and Vairavamorthy, K. (2009). Water *loss* management in developing countries: Challenges and prospec. *Journal - American Water Works Association*, 101: 57-68. doi:10.1002/j.1551-8833.2009.tb10010.x

Noer, A., and Hadi, W. (2015). Studi Literatur Perencanaan dan Algoritma Pembentukan DMA (District Metered Area), 4(1).

Ormsbee LE, Wood DJ (1986). Explicit pipe network calibration. *J Water Resour Plan Manage* 112(2):166–182.

Özdemir, Ö., (2018). Water leakage management by district metered areas at water distribution networks. *Environmental Monitoring and Assessment*. 190. 10.1007/s10661-018-6559-9.

PDAM Kota Padang (2016). Laporan Audit Kinerja PDAM Kota Padang Th. Buku 2016, Padang.

PDAM Kota Padang (2017). Laporan Audit Kinerja PDAM Kota Padang Th. Buku 2017, Padang.

Pemasari, A.O., (2016). Identifikasi air (*non revenue water-NRW*) Pada Proses Distribusi Dengan Menggunakan Cause-Effect Diagram dan Analytical Hierarchy Process (AHP) di Perusahaan Daerah Air Minum (PDAM) Delta Sidoarjo. Skripsi Thesis, Universitas Airlangga.

Pemerintah Republik Indonesia. (2005). Peraturan Pemerintah No.122 Tahun 2016 Tentang Sistem Penyediaan Air Minum. Pemerintah Republik Indonesia : Jakarta.

Saaty, T., (2008). Decision making with the Analytic Hierarchy Process. *Int. J. Services Sciences Int. J. Services Sciences.* 1. 83-98. 10.1504/IJSSCI.2008.017590.

Schock, M.R., and J.A. Clement (1995). "You Can't Do That With These Data! Or: Uses and Abuses of Tap Water Monitoring Analyses." Proceedings of the National Conference on Environmental Problem-Solving with Geographic Information Systems, EP A/625/R-95/004, Office of Research and Development, United States Environmental Protection Agency, Cincinnati, Ohio, September 1995, 31-41.

Shamsi. (2004). GIS Applications for Water Distribution Systems, *6062*, 459–473. <https://doi.org/10.14796/JWMM.R220-21>.

Sya'bani, M.R. (2016) : Penerapan Jaringan Distribusi Sistem DMA Dalam Optimalisasi Penurunan Kehilangan Air Fisik Ditinjau Dari Aspek Teknis dan Finansial (Studi Kasus : Wilayah Layanan IPA Bengkuring PDAM Tirta Kencana Kota Samarinda), ITB, Bandung.

Tscheikner, G.F., and Egger, P., and Rauch, W., Kleidorfer, M. (2017). Comparison of Multi-Criteria Decision Support Methods for Integrated Rehabilitation Prioritization. *Water.* 9. 68. 10.3390/w9020068.

Triantaphyllou, E. (2000). Multi-Criteria Decision Making Methods: A Comparative Study. 10.1007/978-1-4757-3157-6.

Walski T.M. (1983a) Technique for calibrating network models. *J Water Resour Plann Manage* 109:360–372.

Walski T.M. (1983b) Using water distribution system models. *J Am Water Works Assoc* 75:58–63.

