



## DAFTAR PUSTAKA

- Alamian, R., Behbahani-Nejad, M., Ghanbarzadeh, A., 2012, A state space model for transient flow simulation in natural gas pipelines, *Journal of Natural Gas Science and Engineering*, vol. 9, pp. 51-59.
- Anonymous, 1999, *Learning MATLAB*, MA: The MathWorks, Inc.
- Arsene C.T.C., Bargiela A., Al-Dabass D., 2004, Modelling and simulation of water systems based on loop equations, *International Journal of Simulation*, 5(1-2):61–72.
- Boriyantoro, N.H., Adewumi, M.A., 1994, An Integrated Single-Phase/Two-Phase Hydrodynamic Model for Predicting the Fluid Flow Behaviour of Gas Condensate in Pipelines, The Pennsylvania State University.
- Brill, J.P., Beggs, H.D., 1991, Two-Phase Flow in Pipes (Sixth Edition), Copyright @1978 by Dr. James P. Brill and Dr. H. Dale Beggs.
- Brill, J.P., Mukherjee, H., 1999, Multiphase Flow in Wells, Henry Doherty Memorial Fund of AIME Society of Petroleum Engineers Incorporation, Richardson, Texas.
- Brkic, D., 2009, An improvement of Hardy Cross method applied on looped spatial natural gas distribution networks, *Journal of Applied Energy*, 86:1290–1300.
- Brkic, D., 2011, Iterative Methods for Looped Network Pipeline Calculation, *Journal of Water Resour Manage*, 25:2951–2987.
- Cengel, Y. E, 2006, Fluid Mechanics Fundamentals and Applications (2<sup>nd</sup> Edition), McGraw-Hill, New York.
- Dorao, C.A., Fernandino, M., 2011, Simulation of Transients in Natural Gas Pipelines, *Journal of Natural Gas Science and Engineering*, vol. 3, pp. 349-355.
- Dukhovnaya, Y., Adewumi, M.A., 2000, Simulation of Non-Isothermal Transients in Gas/Condensate pipelines using TVD Scheme, *Journal of Powder Technology*, vol. 112, pp. 163-171.
- Ekinci, O., Konak, H., 2009, An Optimization Strategy for Water Distribution Networks, *Journal of Water Resour Manage*, 23:169–185.



- Genic, S., Arandjelovic, I., Kolendic, P., Jaric, M., Budimir, N., Genic, V., 2011, A Review of Explicit Approximations of Colebrook's Equation, *FME Transactions*, vol. 39, pp. 67-71.
- Giudice, J.J., 1965, Analysis of pipe networks based on the Newton-Raphson method, MS Thesis, Massachusetts Institute of Technology.
- Hamam, Y.M., Brameller, A., 1971, Hybrid method for the solution of piping networks, *Proc IEEE*, 118(11):1607-12.
- Hardito, A.P., 2012, Simulasi Aliran Dua Fasa Jalur Perpipaan Gas, Jurusan Teknik Mesin dan Industri: Skripsi Sarjana, Universitas Gadjah Mada.
- Herràn-Gonzalez, A., De La Cruz, J.M., De Andrés-Toro, B., Risco-Martín, J.L., 2009, Modeling and simulation of a gas distribution pipeline network, *Applied Mathematical Modelling*, vol. 33, pp. 1584-1600.
- Ke, S.L., Ti, H.C., 2000, Transient Analysis of Isothermal Gas Flow in Pipeline Network, *Chemical Engineering Journal*, vol. 76, pp. 169-177.
- Kessal, M., 2000, Simplified Numerical Simulation of Transient in Gas Networks, *Trans IChemE*, vol. 78.
- Kiuchi, T., 1994 An Implicit Method for Transient Gas Flows in Pipe Networks, *International Journal of Heat and Fluid Flow*, vol. 15, no. 5.
- Laksana, A., 2012, Model Simulasi Jaringan Perpipaan Gas dengan Metode Newton Raphson, Jurusan Teknik Mesin dan Industri: Skripsi Sarjana, Universitas Gadjah Mada.
- Matko, D., Geiger, G., Gregoritza, W., 2000, Pipeline Simulation Techniques, *Mathematics and Computers in Simulation*, vol. 52, pp. 211-230.
- Megyesy, E.F., 1997, Pressure Vessel Handbook, Pressure Vessel Publishing, Inc., Oklahoma.
- Menon, E.S., 2004, Liquid Pipeline Hydraulics, Marcel Dekker, Inc., New York.
- Menon, E.S., 2005, Gas Pipeline Hydraulics, Taylor & Francis Group, LLC, Florida.
- Noorbehesht N., Ghaseminejad, P., 2013, Numerical Simulation of the Transient Flow in Natural Gas Transmission Lines using a Computational Fluid Dynamic Method, *American Journal of Applied Sciences*, vol. 10 (1), pp. 24-34.
- Osiadacz, A.J., 1987, Simulation and Analysis of Gas Pipeline Networks, E. & F.N. Spon, London.



UNIVERSITAS  
GADJAH MADA

Pengembangan Program Analisa Hidraulik Jaringan Perpipaan Dua Fasa Berbasis Model Beggs dan Brill

ACHILLEUS HERMAWAN A, Ir. Joko Waluyo, M.T., Ph.D.; Prof. Dr. Ir. Indarto, DEA.

Universitas Gadjah Mada, 2015 | Diunduh dari <http://etd.repository.ugm.ac.id/>

- Osiadacz, A.J., Yedroudj, M., 1989, A Comparison of a Finite Element Method and a Finite Difference Method for Transient Simulation of a Gas Pipeline, *Journal of Applied Mathematical Modelling*, vol. 13, Butterwoth Publisher.
- Stoecker, W.F., 1989, Thermal Systems Design (International Edition), McGraw-Hill Book Company (printed in Malaysia).
- Wallis, G.B., 1969, One-Dimensional Two-Phase Flow, McGraw-Hill, New York.
- WangHai., Xiaojing, L., Weiguo, Z., 2011, Transient Flow Simulation of Municipal Gas Pipelines and Networks using Semi Implicit Finite Volume Method, *Procedia Engineering*, vol. 12, pp. 217-223.
- Woldeyohannes, A.D., Majid, M.A., 2011, Simulation Model for Natural Gas Transmission Pipeline Network System, *Journal of Simulation Modelling Practice and Theory*, vol. 19, pp. 196-212.
- Zhou, J., Adewumi, M.A., 1995, Simulation of Transient Flow in Natural Gas Pipelines, Petroleum and Natural Gas Engineering, The Pennsylvania State University.