

## DAFTAR PUSTAKA

- Alexander S. Balankin, L. M. (2018). Comparative study of gravity-driven discharge from reservoirs with translationally invariant and fractal pore networks. *Journal of Hydrology*, 467-473.
- Arsyad, M. (2011). Sistem Fluidisasi Untuk Rekayasa Pemeliharaan Alur. Disertasi. Universitas Gadjah Mada Yogyakarta 2006
- Arsyad, M. (2011). Perencanaan Sistem Perpipaan air Limbah Kawasan Pemukiman Penduduk. *Jurnal Ilmiah Media Engineering Vol.6 No.1*, 406-412
- A. M. Syamsuri, D. A. Suriamihardja, M. A. Thaha, T. Rachman. Effect of Pipe Wall Roughness On Porous Breakwater Structure On Wave Deformation International Journal of Engineering Trends and Technology, 69(5),147-15.
- Banasiak, R. (2008). Hydraulic performance of sewer pipes with deposited sediments. *Water Science & Technology*, 57(11).
- Biksono, D. (2006). Karakteristik dan Visualisasi Aliran Dua Fasa pada Pipa Spiral. *Jurnal Teknik Mesin*, 69 – 74.
- Bakri B, Arai Y, Inakazu T, Koizumi T, Pallu S, Yoda H. A multi-step genetic algorithms model for ensuring cost-effectiveness and adequate water pressure in a trunk/limb mains pipe system. *Journal of Water Supply; Research and Technology – AQUA*, 2015; 64.2
- B. Bakri, Y. Arai, T. Inakazu, A. Koizumi, H. Yoda, S. Pallu (2015). Selection and concentration of pipeline mains for rehabilitation and expansion of water distribution network. *Procedia Environmental Sciences* 28 (2015) 732 – 742
- B. Bakri, S. Pallu, R. Lopa<sup>1</sup>, F. Maricar<sup>1</sup>, A. Sumakin<sup>1</sup>, M. F. Maricar, and Ridwan (2020). Analysis of Sediment Distribution at the Intake Structure. The 3rd EPI International Conference on Science and Engineering 2019 (EICSE2019) IOP Conf. Series: Materials Science and Engineering 875 (2020) 012031 IOP Publishing doi:10.1088/1757-899X/875/1/012031 1
- Breusers, H. (1983). *Lecture Notes on Sediment Transport 1*. IHE Delft.
- Bruce E. Larock, R. W. (2000). *Hydraulics of Pipeline Systems*. Washington, D.C: CRC Press.

- Carlos Montes, J. B. (2017). Criteria of Minimum Shear Stress vs. Minimum Velocity for Self-cleaning Sewer Pipes Design. *Procedia Engineering*, 69-75.
- Carlos Montes, Zoran Kapelan, Juan Saldarriaga (2020) *Predicting no-deposition sediment transport in sewer pipes using random forest*. *Water Research* S0043-1354(20)31174-X, <https://doi.org/10.1016/j.watres.2020.116639>
- Changhee Kim, Mansoo Lee and Cheolheui Han,(2008) . Hydraulic transport of sand-water mixtures in pipelines Part I. Experiment. *Journal of Mechanical Science and Technology* 22 (2008) 2534~2541 DOI 10.1007/s12206-008-0811-0
- Charles Hin Joo Bong, T. L. (n.d.). Effect Of Deposition Thickness On The Incipient Motion Of Sediments.
- Charles Hin Joo Bong, Tze Liang Lau, Aminuddin AB. Ghani. (2015). Effect Of Desposition Thickness On The Incipient Motion Of Sediments. *E-proceedings of the 36 th IAHR World Congress*.
- Chen, R. (1994). Analysis of Homogeneous Slurry Pipe Flow. *Marine Science and Technology*, 37-45.
- Ching Min, C. H. (2016). Probability density functions of the stream flow discharge in linearized diffusion wave models. *Journal of Hydrology*, 625-629.
- Deyu Zhong, L. Z. (2015). Velocity profile of turbulent sediment-laden flows in open-channels. *International Journal of Sediment Research*, 285-296.
- Deyu Zhong, Lei Zhang,Baosheng Wu,Yongqiang Wang. (2015). Velocity profile of turbulent sediment-laden flows in open-channels. *International Journal of Sediment Research*, 285-296.
- Fasdarsyah (2016). Analisis Karakteristik Sedimen Dasar Sungai Terhadap Parameter Kedalaman Teras. *Jurnal*, Vol.6, No.2, September 2016 P-ISSN 2088-0561 E-ISSN 2502-1680
- Gencer Gencoglu, N. M. (2017). Minimizing Excess Pressures by Optimal Valve Location and Opening Determination in Water Distribution Networks. *Procedia Engineering*, 319-326.
- Graf, W. (1996). *Hydraulic of Sediment Transport (3rd Edition)*. Colarado, USA: Water Resources Publications, LLC.

- Guangli Xu, L. C. (2016). *Experiments and Simulation of Water Displacement from Lower Sections of Oil Pipelines*. *Journal of petroleum science and engineering*, 829-842.
- Gudrun Mikota, B. M. (2017). *Modal Testing of hydraulic pipeline systems*. *Journal of Sound and Vibration*, 256-273.
- Hasbi, M., Pallu, M. S., Lopa, R., Hatta, M. P., & Zetiawan, Z. (2020). Effect of velocity flow patterns on viscosity in Saddang River. *IOP Conference Series: Earth and Environmental Science*, 419, 012108. doi:10.1088/1755-1315/419/1/012108
- Herbich, J. B. (2000). *Handbook of Dredging Engineering, 2nd Edition*. New York: McGraw-Hill Professional.
- HR Mulyanto, (2018) *Pengelolaan sedimen terpadu*. Yogyakarta. tekno sain
- Isa Ebtehaj, H. B. (2016). *Bed Load Sediment Transport in Sewers at Limits of Deposition*. *Scientia Iranica*, 907-917.
- Isa Ebtehaj, H. B. (2013). *Evaluation of Sediment Transport in Sewer using Artificial Neural Network*. *Engineering Applications of Computational Fluid Mechanics*, 382-392.
- Isa Ebtehaj, H. B. (2014). Design Criteria for Sediment Transport in Sewers Based on Self-cleansing concept. *Zhejiang University-Science A*, 914-924.
- Isa Ebtehaj, Hussein Bonakdari. (2017). No-deposition sediment Transport in Sewers Using Gene Expression Programming. *Soft Computing in Civil Engineering*, 29-53.
- Isa Ebtehaj, H. Bonakdari (2016) *Bed load sediment transport in sewers at limit of deposition*. *Journal Scientia Iranica A* (2016) 23(3), 907 -907
- J.J Ota, C. N. (2000). *Graded Sediment Transport at Limit Deposition in Clean Pipe Channel*. Newcastle, UK: Departement of Civil Engineering, University of Newcastle.
- J.J Ota, G. P. (2013). Particle Velocity And Sediment Transport At Limit Deposition In Sewers. *Water Science & Technology*, 959–967.
- Kodoatie, R. J. (2002). *Hidrolika Terapan : aliran pada saluran terbuka dan pipa*. Yogyakarta: Andi.

- Kuhail, Z. (2001). A Optimum Method for Designing Dredging System . *An-Najah Univ. J. Res*, Vol. 15.
- Kumar, U., Mishra, R., Singh, S. N., & Seshadri, V. (2003). Effect of particle gradation on flow characteristics of ash disposal pipelines. *Powder Technology*, 132(1), 39–51. doi:10.1016/s0032-5910(03)00045-7
- Kaushal, D. R., Sato, K., Toyota, T., Funatsu, K., & Tomita, Y. (2005). Effect of particle size distribution on pressure drop and concentration profile in pipeline flow of highly concentrated slurry. *International Journal of Multiphase Flow*, 31(7), 809–823. doi:10.1016/j.ijmultiphaseflow.2005.03.003
- Liu, H. (2003). *Pipeline Engineering*. Florida, USA: Lewis Publiser.
- M. Orianto, W. P. (1989). *Mekanika fluida I*. Yogyakarta: BPFE UGM.
- Manoj Kumar Gopaliya , D.R. Kaushal. Modeling Of Sand-Water Slurry Flow Through Horizontal Pipe Using CFD. *J. Hydrol. Hydromech.*, 64, 2016, 3, 261–272 DOI: 10.1515/johh-2016-0027 261
- Mardjikoan, P. (1988). *Hidrolika Terapan*. Yogyakarta: Universitas Gadjah Mada.
- Manoj Kumar Gopaliya , D.R. Kaushal (2016) . *Modeling of sand-water slurry flow through horizontal pipe using CFD* *J. Hydrol. Hydromech.*, 64, 2016, 3, 261–272 DOI: 10.1515/johh-2016-0027 261
- May, R. (1993). *Sediment Transport in Pipes and Sewers with Deposited Beds*. England: HR Wallingford.
- Messa, G. V., & Matoušek, V. (2019). Analysis and discussion of two fluid modelling of pipe flow of fully suspended slurry. *Powder Technology*. doi:10.1016/j.powtec.2019.09.017
- M. Ali , G. Sterk , M. Seeger, L. Stroosnijder (2012). *Effect of flow discharge and median grain size on mean flow velocity under overland flow*. *Journal of Hydrology* 452–453 (2012) 150–160
- Miedema, S. A. (2016). The heterogeneous to homogeneous transition for slurry flow in pipes. *Ocean Engineering*, 123, 422–431. doi:10.1016/j.oceaneng.2016.07.031
- Nayyar, M. (2000). *Piping Handbook (Seventh Edition)*. New York, USA: McGraw Hill.

- Ned H.C. Hwang, R. J. (1996). *Fundamentals of Hydraulic Engineering Systems*. Columbus, Ohio, Amerika Serikat: Prentice Hall.
- P.U.Akpan, S. (2017). Modelling and transient simulation of water flow in pipelines using WANDA Transient software. *Ain Shams Engineering Journal*, 457-466.
- Peter A.Nelson, J. A. (2018). Flume experiments on flow and sediment supply controls on gravel bedform dynamics. *Geomorphology*, 98-105.
- Priyantoro, D. (1998). *Diktat Kuliah Transport Sedimen*. Malang: Jurusan Pengairan Universitas Brawijaya.
- P. Doron, D. Granica and D. BARI~n~A (1986) *slurry flow in horizontal pipes experimental and modeling* . International Journal of Multiphase Flow Pergamon Journals/El~wier Vol. 13, No. 4, pp. 535-547, 1987 0301-9322/87
- Pavel Vlasak & Zdenek Chara (2011) Effect of Particle Size Distribution and Concentration on Flow Behavior of Dense Slurries, *Particulate Science and Technology: An International Journal*, 29:1, 53-65, DOI: 10.1080/02726351.2010.508509
- Rafael Raoni, A. R. (2017). Novel method for looped pipeline network resolution. *Computers & Chemical Engineering*, 169-182.
- Ravelet, F., Bakir, F., Khelladi, S., & Rey, R. (2013). Experimental study of hydraulic transport of large particles in horizontal pipes. *Experimental Thermal and Fluid Science*, 45, 187–197. doi:10.1016/j.expthermflusci.2012.11.003
- Robert Banasiak (2008), *Hydraulic performance of sewer pipes with deposited sediments*. *Water Science & Technology—WST* | 57.11 | 2008. DOI: 10.2166/wst.2008.287 · Source: PubMed
- Sarjito, Subroto, Arif Kurniawan (2016). *Studi Distribusi Tekanan Aliran Melalui Pengecilan Saluran Secara Mendadak Dengan Belokan Pada Penampang Segi Empat*. *Jurnal Ilmiah Teknik Mesin* Vol. 17 No. 1 Januari 2016: 8-22. ISSN: 1411-4348
- Setiyadi, Suratno Lourentius, Ezra Ariella W, Gede Prema (2013). *Menentukan Persamaan Kecepatan Pengendapan Pada Sedimentasi*. *Jurnal Widya Teknik* ISSN 1412-7350. Vol 12, No 12
- Syahrul Purnawan, Ichsan Setiawan, Marwantim (2012). Studi Sebaran Sedimen Berdasarkan Ukuran Butir Di Perairan Kuala Gigieng,

Kabupaten Aceh Besar. Depik, 1(1): 31-36 April 2012 ISSN 2089-779031

Tuti Nursiania , Yoga Satria Putraa, Muhardia (2020). Studi Ukuran Diameter Butir Sedimen Dasar terhadap Kecepatan Arus di Sungai Pawan Kabupaten Ketapang PRISMA FISIKA, Vol. 8, No. 1 (2020), Hal. 17 - 20 ISSN : 2337-8204 17

Thomas, A. D. (1979). *Predicting the deposit velocity for horizontal turbulent pipe flow of slurries*. International Journal of Multiphase Flow, 5(2), 113–129. doi:10.1016/0301-9322(79)90040-5

Thomas, D. G. (1965). Transport characteristics of suspension: VIII. A note on the viscosity of Newtonian suspensions of uniform spherical particles. Journal of Colloid Science, 20(3), 267–277. doi:10.1016/0095-8522(65)90016-4

Toorman, E. A. (2002). Modelling of turbulent flow with suspended cohesive sediment. Proceedings in Marine Science, 155–169. doi:10.1016/s1568-2692(02)80014-6

Thomas, D. G. (1965). Transport characteristics of suspension: VIII. A note on the viscosity of Newtonian suspensions of uniform spherical particles. Journal of Colloid Science, 20(3), 267–277. doi:10.1016/0095-8522(65)90016-4

Toorman, E. A. (2002). Modelling of turbulent flow with suspended cohesive sediment. Proceedings in Marine Science, 155–169. doi:10.1016/s1568-2692(02)80014-6

Triatmodjo, B. 2014. *Hidraulika I*. Penerbit Beta Offset. Yogyakarta.

Triatmodjo, B. 2016. *Hidraulika II*. Penerbit Beta Offset. Yogyakarta.

Umesh Kumar; R. Mishra; S.N. Singh; V. Seshadri (2003). Effect of particle gradation on flow characteristics of ash disposal pipelines. Powder Technology journal Elsevier 132(1), 39–51. doi:10.1016/s0032-5910(03)00045-7

Xiong Ting, Zhang Xinzhuo , Sape A. Miedema, Chen Xiuhan (2019) Study of the characteristics of the flow regimes and dynamics of coarse particles in pipeline transportation Power Technology 347 (2019)148-158

Yousef Faraja, Mi Wanga , Jiabin Jiaa, (2015) Automated Horizontal Slurry Flow Regime Recognition Using Statistical Analysis Of The ERT

Signal. *Procedia Engineering* 102 ( 2015 ) 821 – 830 Available online at [www.sciencedirect.com](http://www.sciencedirect.com) 1877-7058 © 2015

Yousef Faraj, Mi wang, Jiabin Jia (2015). *Automated orizontal slurry flow regime recognition using statistical analysis of the ERT signal*. *Procedia Engineering* 102 (2015) 821 – 830. doi: 10.1016/j.proeng.2015.01.198

Zaher Kuhail (2001) *A Optimum Method for Designing Dredging System* *An-Najah Univ. J. Res., Vol. 15, 2001*

