

DAFTAR PUSTAKA

- Ackers, P. and White, W.R. 1973, Sediment Transport: New Approach and Analysis, *Journal of the Hydraulics Division*, ASCE, Vol. 99 No. 11, pp. 2041-2060.
- Ackers, P. and White, W.R. 1993, 'Sediment Transport in Open Channels: Ackers and White Update', *Proceeding of the Institution of Civil Engineers, Water, Maritime, and Energy*, Vol. 101, No. 4, December 1993, pp. 247-249.
- Alam, S. 2004, Sedimentation Management in Hydro Reservoir, *Water India*, Hydrocop Publication, Delhi.
- Arsyad. 1989, *Konservasi Tanah dan Air*, Penerbit IPB, Bogor.
- Atkinson, E. 1996, *The Feasibility of Flushing Sedimen From Reservoir*, TDR Project R 5839, Report OD 137, November 1996, HR Walingford, UK.
- Atmodjo, P.S. and Suripin 2012, The Effect of Water Level on the Effectiveness of Sediment Flushing, *International Journal Waste of Resources*, Vol. 2, No. 2, pp. 30-31.
- Bagnold, R.A. 1966, An Approach to the Sediment Transport Problem from General Physics, *U.S. Geology Survey*, Professional Paper No. 422 Vol. I, p. 37.
- Balitbang PPP SDA. 2004, *Laporan Akhir Uji Model Hidrolika Spilway dan Flushing Device Waduk Jatigede*, Badan Penelitian dan Pengembangan PPP Sumber Daya Air, Bandung.
- Basson, G.R. and Rooseboom. 1996, *Dealing With Reservoir Sedimentation*, Water Research Commission Report, No. TT 91/97.
- Bathrust, J.C. 1987, Critical Condition for Bed Material Movement in Steep, Boulders Bed Stream, *Erosion and Sedimentation in the Pacific Rim*, AIHS, Corvallis.
- Bird, J.D. 1987, 'Effect of Siltation On Operation of Reservoir to Minimize Sedimentation', *Workshop On Reservoir Sedimentation Paper*, Bandung, September 22-24.
- Bloomer, J.J. 1999, *Practical Fluid Mechanics for Engineering Applications*, Marcel Dekker, Inc. New York.
- Bolton, P. 1987, 'Density Variation of Deposited Sediment', *Workshop on Reservoir Sedimentation Paper*, Bandung, September 22-24.
- Bolton, P. and Bird. J.D. 1987, 'Estimation Traping Efficiency and Recervoing Modelling', *Workshop on Reservoir Sedimentation Paper*, Bandung, September 22-24.
- BPPIPWSB. 1978, *Pengelolaan Waduk-waduk Besar*, Badan Pelaksana Proyek Induk Pengembangan Wilayah Sungai Brantas, Direktorat Jendral Pengairan, Departemen Pekerjaan Umum.
- Brabben, T.E. 1987, 'Reservoir Desalination Methods', *Workshop on Reservoir Sedimentation Paper*, Bandung, September 22-24.

- Brandt, S.A. 2000, A Review of Reservoir Desiltation, *International Journal of Sediment Research*, Vol.15 No.2, pp. 321-342.
- Breusers, HNC. 1988, *Lecture Notes on Sediment Transport*, IHE Delft, Nederland.
- Celik, I. and Rodi, W. 1991, Suspended Sediment Transport Capacity for Open Channel Flow, *Journal of Hydraulic Engineering*, ASCE, Vol. 117 No. 2, pp. 191-204.
- Chadwick, A., Morfett, J. and Borthwick, M. 1994, *Hydraulics in Civil and Environmental Engineering*, CRC Press, Taylor & Francis Group, NW, USA.
- Chang, H.H. 2008, Case Study of Pluvial Modelling of River Responses to The Dam Removal, *Journal of Hydraulic Engineering*, Vol. 134 No. 3, pp. 295-302.
- Chanson, H. 1998, Extreme Reservoir Sedimentation in Australia: A Review, *International Journal of Sediment Research*, Water Resources Journal, Vol. 13 No. 3, pp. 55-63.
- Cheng, N.S. 2008, Comparison of Settling – Velocity – Based Formulas for Threshold of Sediment Motion, *Journal of Hydraulic Engineering*, Vol. 134 No. 8, pp. 1136 -1141.
- Chow, V.T. 1959, *Open Channel Hydraulics*, McGraw-Hill Kogakusha, Ltd.
- Colby, B.R. 1964, Practical Computations of Bed Material Discharge, *Journal of Hydraulic Engineering*, ASCE, Vol. 90 No. HY2, pp. 217-246.
- DPU. 1994^a, *Pedoman Kriteria Desain Embung Kecil Untuk Daerah Semi Kering di Indonesia*, Pusat Penelitian dan Pengembangan Departemen Pekerjaan Umum.
- DPU. 1994^b, *Pedoman Teknis Sederhana Pelaksanaan Konstruksi dan Pemeliharaan Embung Tipe Urugan*, Pusat Penelitian dan Pengembangan Departemen Pekerjaan Umum.
- Einstein, H.A. 1950, The Bed-Load Function for Sediment Transportation in Open Channel Flows, USDA, *Technology Bulletin*, No. 1026, September.
- Emamgholizadeh, S. and Samadi, H. 2008, Desilting of Deposited Sediment at Upstream of the Dez Reservoir in Iran, *Journal Of Science in Environmental Sanitation*, Vol. 3 No. 1, pp. 25-35.
- Emamgholizadeh, S., Bina M., Fathimoghadam, M. and Ghomeyshi, M. 2006, Investigation and Evaluation of the Pressure Flow Flushing Throught Storage Reservoir, *ARPN Journal of Engineering and Applied Science*, Vol. 1 No.4.
- Emamgholizadeh, S., Samadi, H. and Bina M. 2005, The Flushing of Sediment near the Power Intake in the Dez Reservoir. *River Basin Management*, Italy.
- Engelund, F. and Hansen, E. 1967, *A Monograph on Sediment Transport in Alluvial Streams*, Technical University of Denmark, Hydraulic Laboratory.
- Fan, J. and Jiang, R. 1980, 'On Methods For The Desiltation of Reservoir', *International Seminar of Expert on Reservoir Desiltation*, Tunis.
- Fang, D. and Cao, S. 1996, 'An Experimental Study on Scour Funnel in Front of a Sediment Flushing Out Let of Reservoir', *Proceeding of the 6th Federal Interagency Sedimentation Conference*.

- Gomez, B., and Church, M. 1989, An Assessment of Bedload Sediment Transport Formulae for Gravel Bed Rivers, *Water Resources*, Vol. 25, pp. 1161-1186.
- Gosschalk, E.M. 2002, *Reservoir Engineering Guideline for Practice*, Thomas Telford, London.
- Graf, W.H. 1984, *Hydraulics of Sediment Transport*, Water Resources Publications, Littleton Colorado, USA.
- Greimann, B., Yong, L. and Huang, J. 2008, Two Dimensional Total Sediment Load Model Equations, *Journal Of Hydraulic Engineering*, Vol. 134 No.8, pp. 1142-1146.
- Guo, Q., Fan, C.Y., Raghaven, R., and Field, R. 2004, Gate and Vacuum Flushing of Sewer Sediment: Laboratory Testing, *Journal of Hydraulic Engineering*, Vol. 130 No. 5, pp. 463-466.
- Guozhen, H., Zhengben, H. and Geoshi, W. 1987, 'Regulation of Streamflow and Sediment Region by Sanmexia Reservoir and Palticularities of Scouring and Deposition', *Selected Paper of Research on the Yellow Rivers and Present Practice*, The Editors: The Yellow River Conservacy Committee.
- Habibi, M. 1994, 'Sediment Transport Estimation Methods in River Systems', *Thesis*, Ph.D., Department of Civil and Mining Engineering, University of Wollongong.
- Hadihardaja, I.K. 2009, 'Decision Support System For Optimal Reservoir Operasion Modeling Within Sediment Deposal Control', *Water Science and Technology*, IWA Publishing.
- Hasibuan, G.M. 2004, Banjir Medan Permasalahan dan Upaya Penyelesaiannya, *Harian Waspada*, Medan.
- Hilhorst, D. 2013, *Disaster, Conflict and Society in Crises: Everyday Politics of Crisis Response*, Routledge Taylor & Francis Group, London & New York.
- Hines, W.W. and Montgomery, D.C. 2004, *Probabilitas dan Statistik dalam Ilmu Rekayasa dan Manajemen*, Edisi ke-2, Universitas Indonesia.
- Hutheff, F. 2008, Interacting Divided Channel Method for Compound Channel Plan, *Journal of Hydraulic Engineering*, ASCE, Vol. 134 No. 8, pp. 1158-1665.
- Indra Karya. 2002, *Review Detail Desain Waduk Jatigede*, Proyek Pembangunan Waduk Jatigede, Sumedang, PT. Indra Karya.
- Indra Karya. 2004, *Review Desain Waduk Jatigede*, Buku Panduan Operasi dan Pemeliharaan Waduk Jatigede, Proyek Induk PWS Cimanuk Cisadane, PT. Indra Karya.
- Inpasihardjo, K. 1992, Pengaruh Distribusi Ukuran Butir Sedimen terhadap Penentuan Diameter Referensi, *Forum Teknik Sipil*, No. I, pp. 30-36.
- Isnugroho. 1994, *Metode Pengukuran Tinggi Muka Air Pada Model Fisik*, SNI 03-4311-1994, BSN.

- Isnugroho. 2008, *The Role of Hydraulic Model Test in the Designing of Gate Operation for Bojonegoro Barrage*, Pusat Penelitian dan Pengembangan Sumber Daya Air, Kementerian Pekerjaan Umum, Bandung.
- Jatiwiryo, A., Mulyono, J. dan Wahyuni, I.D. (ed). 2009, *Sekilas Pembangunan Bendungan Di Indonesia (2004-2009)*, Direktorat Jenderal Sumber Daya Alam, Departemen Pekerjaan Umum, Jakarta.
- Ji, U., Julien, P.Y., and Park, S.K. 2011, Sediment Flushing at the Nakdong River Estuary Barrage, *Journal of Hydraulic Engineering*, ASCE, Vol. 137 No. 11, pp. 1522-1535.
- JICA. 2007, *The Study on Countermeasure For Sedimentation in the Wonogiri Multipurpose Dam Reservoir in the Republic of Indonesia*, Final Report, Volume II, Main Report, Directorate General of Water Resources Ministry of Public Works The Republic of Indonesia.
- JICA. 2007, *The Study on Countermeasure For Sedimentation in The Wonogiri Multipurpose Dam Reservoir in the Republic of Indonesia*, Final Report, Volume III, Supporting Report I, Directorate General of Water Resources Ministry of Public Works The Republic of Indonesia.
- Kashiwaj, J. 1998, *Reservoir Sedimentation and Sedimentation Management In Japan*, Incorporated Administrative Agency, Public Works Research Institute, Japan.
- Kodoatie dan Sugiyanto, 2002, *Banjir - Penyebab dan Metode Pengendaliannya*, Pustaka Pelajar, Yogyakarta.
- Kodoatie, 2002, *Hidrolika Terapan*, Andi, Yogyakarta.
- Kodoatie, 2003, *Manajemen dan Rekayasa Infrastruktur*, Pustaka Pelajar, Yogyakarta.
- Lejeune, 1989, *Lecture Note on Hydraulics 2*, IHE, Delft.
- Linsley, R.K. and Franzini, J.B. 1979, *Water Resources Engineering*, McGraw-Hill Kogakusha Ltd., Tokyo.
- Linsley, R.K. Jr., Kohler M.A., Paulus J.L.H. dan Hermawan, Y. 1989, *Hydrologi untuk Insinyur*, Erlangga, Jakarta.
- Loebis, J., Suharto, Mahbub, B. dan Ilyas, M.A. 1987, 'The Problem Reservoir Sedimentation in Indonesia', *Workshop On Reservoir Sedimentation Paper*, Bandung, September 22-24.
- Meshkati, M.E., Dehghani, A.A., Naser, G., Emamgholizadeh, S., and Mosaedi A. 2009, 'Evolution of Developing Flushing Cone During The Pressurized Flushing in Reservoir Storage', *World Academic of Science, Engineering and Technology*.
- Meyer-Peter, E. and Muller, R. 1948, 'Formulas for Bed Load Transport', *Proceeding of the 3rd Meeting of IAHR*, Stockholm, pp. 39-64.
- Mohanty, A.K. 2006, *Fluid Mechanics*, Prentice-Hall of India, Ltd. New Delhi.
- Morris, G.L. and Fan, J. 1998, *Reservoir Sedimentation Handbook Design and Management of Dam, Reservoir, and Watersheds for Sustainable Use*, McGraw-Hill Companies, Inc., New York.

- Muntolib, D. 2006, 'Evaluasi Operasi Pintu Pengendali Banjir Pucang Gading', *Tesis*, M.T., Program Pascasarjana, Universitas Diponegoro, Semarang.
- Nippon Koei. 2009, *Detail Design of Structural Counter Measures for Sedimentation On Wonogiri Reservoir*, Volume I : Design Report, BBWS Bengawan Solo, Nippon Koei Co. Ltd.
- Oliveira, C.N. and Filizola, J.N.M. 2000, *Reservoir Sedimentation Assessment Guideline*, Brazilian Electricity Regulatory Agency – Aneel, Brasilia.
- Palmeiri, A. 1998, 'Sustainability of Dams – Reservoir Sedimentation Management and Safety Implication', *Dams Sustainability World Bank Paper*, 15 December.
- Pangestu, D.R. 1994^a, *Metode Pengukuran Kecepatan Aliran Pada Model Fisik Dengan Alat Ukur Arus Tipe Baling-Baling*, SNI 03-3408-1994, BSN.
- Pangestu, D.R. 1994^b, *Metode pengukuran Pola Aliran Pada Model Fisik*, SNI 03-3410-1994, BSN.
- Pangestu, D.R. 1995, *Metode Pembuatan Model Fisik Sungai Dengan Drain Tetap*, SNI 03-3965-1995, BSN.
- Prima Cipta Lestarindo. 2005, *Laporan Akhir Penelitian Sedimentasi Rencana Waduk Jatigede*, Proyek Pembangunan Waduk Jatigede, Sumedang, PT. Prima Cipta Lestarindo.
- Prima Cipta Lestarindo. 2005, *Penelitian Sedimentasi Rencana Waduk Jatigede*, Final Laporan Akhir, Proyek Induk PWS Cimanuk Cisanggarung, PT. Prima Cipta Lestarindo.
- Puslitbang Pengairan. 1986, *Konstruksi Cara-cara Untuk Mengurangi Angkutan Sedimen yang Akan Masuk ke Intake Saluran Pengairan*, Departemen Pekerjaan Umum, Jakarta.
- Puslitbang SDA. 2004, *Uji Model Hidrolika Spillway dan Flushing Device Waduk Jatigede dalam Rangka Pekerjaan Review Detail Desain Waduk Jatigede*, Departemen Pekerjaan Umum, Bandung.
- Rijn, L.C. van 1984^a, Sediment Transport, Part I: Bed Load Transport, *Journal of Hydraulic Engineering*, ASCE, Vol. 110 No. 10, pp. 1431-1456.
- Rijn, L.C. van 1984^b, Sediment Transport, Part II: Suspended Load Transport, *Journal of Hydraulic Engineering*, ASCE, Vol. 110 No. 11, pp. 1613-1641.
- Samaga, R.B., Ranga Raju, G.K., and Garde, J.R. 1986^a, Bed Load Transport of Sediment Mixtures, *Journal of Hydraulic Engineering*, ASCE, Vol. 112 No. 11, pp. 1003-1018.
- Samaga, R.B., Ranga Raju, G.K., and Garde, J.R. 1986^b, Suspended Load Transport of Sediment Mixtures, *Journal of Hydraulic Engineering*, ASCE, Vol. 112 No. 11, pp. 1019-1035.
- Scheuerlein, H. 1993, 'Estimation of Flushing Efficiency in Silted Reservoir', *Proceeding of The International Conference On Hydro-Science and Engineering*, Washington DC, June 7-11.

- Shen, H.W., and Lai, J.S. 1996, Sustain Reservoir Useful Life by Flushing Sediment, *International Journal of Sediment Research*, Vol. 11 No. 3, pp. 10-17.
- Simons, D.B. and Senturk, F.D. 1992, *Sediment Transport Technology*, Water Resource Publications, Fort Collins Co.
- Sinaro, R., Kasiro, I., Brotodihardjo, A., dan Widyarsono, T. 2007, *Menyimak Bendungan di Indonesia (1910-2006)*, Bentara Adhi Cipta, Jakarta.
- Soetjiono, C. dan Sampudjo, K. 1991, *Metode Pengukuran Debit Sungai dan Saluran Terbuka*, SNI 03-2414-1991, BSN.
- Soewarno, and Syariman, P. 2008, Sedimentation Control: Part II. Intensive Measures The Inside Of The Mrica Reservoir, Central Java, *Journal Of Scince in Environmental Sanitation*, Vol. 3 No. 1, Department of Environmental Enginnering, Sepuluh November Intitute of Technology, Surabaya, pp.17-24.
- Streeter, V.L. 1996, *Mekanika Fluida*, Erlangga, Jakarta.
- Subramanya, K. 2011, *Fluid Mechanics and Hydraulic Machines: Problems & Solutions*, Tata McGraw Hill, Ltd. New Delhi.
- Sumi, T. and Hirose, T. 2009, 'Accumulation of Sediment in Reservoirs', *Water Storage, Transport, and Distribution*, Y. Takahasi (Edt.), Eolss Publishers Co. Ltd., Oxford , pp. 224-252.
- Supriharyono. 2005, *Metodologi Penelitian*, Diklat Kuliah, Doktor Teknik Sipil, Universitas Diponegoro.
- Suripin. 2004, *Sistem Drainase Perkotaan yang Berkelanjutan*, Penerbit Andi, Yogyakarta.
- Suripin. 2007, *Pelestarian Sumber Daya Tanah dan Air*, Penerbit Andi, Yogyakarta.
- Sutanto, M. dan Graita, S. 1987, 'Case Study On Planning and Design of Wonogiri Dam', *Workshop on Reservoir Sedimentation Paper*, Bandung, September 22-24.
- Tan, W. 2004, *Practical Research Methods*, Prentice Hall, Singapura.
- Toffaleti, F.B. 1969, Definitive Computation of Sand Discharge in Rivers, *Journal of Hydraulic Enginnering*, ASCE, Vol. 95 No. HY1, pp. 225-248.
- Tokaty, G.A. 2013, *A History and Philoshopy of Fluid Mechanics*, Dover Publications, Inc. New York.
- Tomasi, L. 1996, *Operation and Maintenance Problems due to Sedimentation in Reservoirs*, Fort Collins, Colorado State University.
- Tu, S. 1996, 'Reservoir Sedimentation Enginnering Handbook', *International Conference On Reservoir Sedimentation*, August 30.
- USDIBR. 1979, *Design Of Small Dams*, United State Department of the Interior Bereau of Reclamation, Oxford & IBH Publishing Co., New Delhi.
- Vining, G. and Kowalski, S.M. 1997, *Statistical Methods for Engineers*, Brooks/Cole, Cengage Learning, Boston, USA.

- Vries, M. 1997, *Scale Model in Hydraulic Enggining*, Lecture Note, IHE,Delft, Nederland.
- White, R. 2001, *Evacuation of sediments from reservoirs*, Thomas Telford Ltd., London.
- White, W.R. 1990, 'Reservoir Sedimentation and Flushing', *Proceeding of Two Symposium*, August 1990, IAHS Publ. No. 194.
- White, W.R. and Better, R. 1994, 'The Feasibility of Flushing Sediment Trought Reservoir', *Proceeding of The Harare Symposium*, July 1994, IAHR Publish No.144.
- Wiuff, R. 1985, Transport of Suspended Materials in Open Submerged Streams, *Journal of Hydraulic Enginnering*, ASCE, Vol. 111 No. 5, pp. 774-792.
- Wurb, R.A. 1996, *Modeling and Analisis of Reservoir System Operation*, Prentice-Hall Inc.
- Xia, M. (ed) 1983, *Sedimen Problem in Design and Operation of Medium and Small Size Reservoir*, Science Press, Beijing, People's Republic of China.
- Xia, Z. and Zhang, Q. 1980, 'Reservoir Sedimentation, International Symposium on River Sedimentation', *Chinese Society on Hydraulic Enginnering*, Beijing, People's Republic Of China, Vol. 1, pp. 1-13.
- Yang, C.T. 1973, Incipient Motion and Sediment Tranport, *Journal of Hydraulic Enginnering*, ASCE, Vol. 99 No. HY10, pp. 1679-1704.
- Yang, C.T. 1984, Unit Stream Power Equation for Gravel, *Journal of Hydraulic Enginnering*, ASCE, Vol. 110 No. 12, pp. 1783-1797.
- Yang, C.T. 1996, *Sediment Transport Theory and Practice*, McGraw-Hill, Singapore.
- Yuwono, N. 1999, *Model Fisik Hidraulik*, Vol. 2, Laboratorium Hidrolika dan Hidrologi, PAU-IT-UGM, Yogyakarta.