



DAFTAR PUSTAKA

- Altinakar, Mustafa Siddik. 2008. *Modeling Tools for Dam Break Analysis (draft)*. Mississippi: Association of State Flood Plain Managers.
- Altinakar, Mustafa Siddik; McGrath, Marcus Z; Dabak, Turgay; Thomas, Wilbert; Scroggins, Chad; Gauntt, Trey; Harvey, Hubbard; dan Kelly, James. 2017. *Two-Dimensional Dam-Breach Flood Modeling and Inundation Mapping with Cascading Failures*. Sacramento: World Environmental and Water Resources Congress 2017.
- Arcement Jr, GJ dan Schneider, VR. 2000. *Guide for Selecting Manning's Roughness Coefficients for Natural Channels and Flood Plains*. Urbana: USGS.
- As-Syakur, Abd Rahman; Tanaka, T; Prasetia, R; Swardika IK; dan Kasa, IW. 2011. *Comparison of TRMM Multisatellite Precipitation Analysis (TMPA) Products and Daily-Monthly Gauge Data Over Bali*. International Journal of Remote Sensing, 32: 8969-8982.
- Bappeda Kab. SBB. 2008. *RTRW Buku Data dan Analisa*. Pemerintah Kabupaten Seram Bagian Barat.
- BBC NEWS. 2008. (*online*). (<http://news.bbc.co.uk/2/hi/asia-pacific/7443461.stm> diakses 6 Februari 2015)
- BNPB. 2017. (*online*). (<http://dibi.bnppb.go.id> diakses 18 Agustus 2017)
- Brunner, Gary W. 2016. *HEC-RAS, River Analysis System Hydraulic Reference Manual*. Davis: US Army Corps of Engineers Hydrologic Engineering Center.
- Brunner, Gary W. 2014a. *Combined 1D and 2D Modeling with HEC-RAS*. Davis: US Army Corps of Engineers Hydrologic Engineering Center.
- Brunner, Gary W. 2014b. *Using HEC-RAS for Dam Break Studies*. Davis: US Army Corps of Engineers Hydrologic Engineering Center.
- Brunner, Gary W. 2016. *HEC-RAS River Analysis System, 2D Modeling User's Manual*. Davis: US Army Corps of Engineers Hydrologic Engineering Center.
- Butt, Mohsin Jamil; Umar, Muhammad; dan Qamar, Raheel. 2012. *Landslide dam and subsequent dam-break flood estimation using HEC-RAS model in Northern Pakistan*. Nat Hazards (2013) 65:241–254.



- Cenderelli, Daniel A. 2000. *Floods from natural and artificial dam failures*. Dalam Wohl, Ellen E. Inland Flood Hazards Human, Riparian, and Aquatic Communities. Cambridge: Cambridge University Press.
- Chow, Ven Te. 1959. *Open Channel Hydraulics*. New York: McGraw-Hill Book Company. Chow, Ven Te; Maidment, David R; dan Mays, Larry W. 1988. *Applied Hydrology*. New York: McGraw-Hill Inc.
- Clark, CO. 1945. *Storage and The Unit Hydrograph*. Transactions, American Society of Civil Engineers, vol. 110, paper No. 2261, hal. 1419-1488.
- Courant, Richard; Friedrichs, Kurt; dan Lewy, Hans. 1967. *On the partial difference equations of mathematical physics*. New York: AEC Computing and Applied Mathematics Center.
- Cronshey, Roger. 1986. *Urban Hydrology for Small Watersheds, TR-55*. USDA-NRCS.
- Cui, Peng; Zhu, Ying-yan; Han, Yong-shun; Chen, Xiao-qing; dan Zhuang, Jian-qi. 2009. *The 12 May Wenchuan earthquake-induced landslide lakes: distribution and preliminary risk evaluation*. Landslides, 6, 209-223.
- Czubski, K; Kozak, J; dan Kolecka, N. 2013. *Accuracy of SRTM-X and ASTER elevation data and its influence of topographical and hydrological modelling: Case study of the Pieniny Mts. in Poland*. International Journal of Geoinformatics, Vol. 9, No. 2, June 2013.
- Feldman, Arlen D. 2000. *Hydrologic Modeling System HEC-HMS Technical Reference Manual*. Davis CA: US Army Corps of Engineers Hydrologic Engineering Center.
- FEMA. 2014. *Flood Depth and Analysis Grids*. Washington DC: US Government.
- Froehlich, David C. 1995. *Embankment Dam Breach Parameters Revisited*. ASCE: Water Resources Engineering Proceedings.
- Froehlich, David C. 2008. *Embankment Dam Breach Parameters and Their Uncertainties*. J. Hydraul. Eng. 2008.134:1708-1721.
- Goodell, Christopher. 2008. (*online*). (<http://hecrasmodel.blogspot.com/2008/12/what-are-teh-limitations-of-hec-ras.html> diakses 1 Februari 2015)
- Goodell, Christopher. 2013. (*online*). (<http://hecrasmodel.blogspot.com/2010/01/down-stream-boundary-normal-depth.html> diakses 1 Februari 2015)



Goodell, Christopher. 2015. (*online*). (<http://hecrasmodel.blogspot.com/2015/03/2d-mesh-leaking.html> diakses 21 Mei 2015)

Guzzetti, Fausto; Peruccacci, Silvia; Rossi, Mauro; dan Stark, Colin P. 2007. *Rainfall Thresholds for the Initiation of Landslides in Central And Southern Europe*. Meteorology and Atmospheric Physics, Vol. 98, Issue 3-4, pp. 239-267.

Guth, PL. 2010. *Geomorphometric comparison of ASTER GDEM and SRTM*. A special joint symposium of ISPRS Technical Commission IV & AutoCarto in conjunction with ASPRS/CaGIS 2010 Fall Specialty Conference November 15-19, 2010 Orlando, Florida.

Haile, Alemseged Tamiru dan Rientjes, THM. 2005. *Effects of LIDAR DEM resolution in flood modelling: a model sensitivity study for the city of Tegucigalpa, Honduras*. Proceedings of the ISPRS Workshop Laser scanning 2005.

Hawkins, RH; Jiang, R; Woodward, DE; Hjelmfelt, AT; Van Mullem, JA; dan Quan, QD. 2002. *Runoff Curve Number Method: Examination of the Initial Abstraction Ratio*, dalam Proceedings of the Second Federal Interagency Hydrologic Modeling Conference, Las Vegas, Nevada. Colorado: US Geological Survey.

Horton, P; Jaboyedof, M; Rudaz, B; dan Zimmermann, M. 2013. *Flow-R, a model for susceptibility mapping of debris flows and other gravitational hazards at a regional scale*. Nat. Hazards Earth Syst. Sci., 13, 869–885, 2013.

Hungr, Oldrich dan McDougall, Scott. 2009. *Two numerical models for landslide dynamic analysis*. Elsevier: Computers & Geosciences35 (2009) 978–992.

Hungr, Oldrich. 2011. *Prospects for Prediction of Landslide Dam Geometry Using Empirical and Dynamic Models*. Dalam Evans, Stephen G, dkk Natural and Artificial Rockslide Dams, Springer-Verlag Berlin Heidelberg.

Isa, Made. 2012. *Dusun Nasiri Berduka Bencana Banjir Bandang 1 Agustus 2012*. Pemerintahan Dusun Nasiri-Desa Luhu.

Islam, Md. Nazrul; Das, Someshwar; dan Uyeda, Hiroshi. *Calibration of TRMM Derived Rainfall Over Nepal During 1998-2007*. The Open Atmospheric Science Journal, 2010, 4, 12-23.

Iverson, Richard M; Logan, Matthew; LaHusen, Richard G, dan Berti, Matteo. 2010. *The perfect debris flow? Aggregated results from 28 large-scale experiments*.



Journal of Geophysical Research, Vol. 115, F03005, doi:10.1029/2009JF001514.

Jain, Sharad K dan Sudheer, KP. 2008. *Fitting of Hydrologic Models: A Close Look at the Nash–Sutcliffe Index*. J. Hydrol. Eng. 2008.13:981-986.

Julien, Pierre Y. 2002. *River Mechanics*. Cambridge University Press.

Khattak, Ghazanfar A; Khan, M. Asif; Haneef, M; Giriraj, Amarnath; dan Bajracharya, Samjwal. 2010. *The Attabad Debris Dam, Upper Hunza Valley, North Pakistan : A Potential Hazard*. Prosiding ICIMOD Symposium 2010.

Kustiyo; Manalu, Yohanes; dan Pramono, Sri Harini. 2005. *Analisis Ketelitian Ketinggian Data DEM SRTM*. Prosiding PIT MAPIN XIV.

Limerinos, JT. 1970. *Determination of the Manning Coefficient from Measured Bed Roughness in Natural Channels*. Washington: Unites States Government Printing Office.

Liu, Junzhi; Duan, Zheng; Jiang, Jingchao; dan Zhu1, A-Xing. 2014. *Evaluation of Three Satellite Precipitation Products TRMM 3B42, CMORPH, and PERSIANN over a Subtropical Watershed in China*. Dalam Eduardo Garcia-Ortega. Advances in Meteorology. Hindawi Publishing Corporation.

Liu, QQ; Chen, L; Li, JC; dan Singh, Vijay P. 2004. *Two-dimensional kinematic wave model of overland-flow*. Journal of Hydrology 291 (2004) 28–41

Maarif, Syamsul. 2012. *Peraturan Kepala BNPB Nomor 02 tahun 2012 tentang tentang Pedoman Umum Pengkajian Risiko Bencana*. Jakarta: BNPB.

Mamenun; Pawitan, Hidayat; dan Sophaheluwanan, Ardhasena. 2014. *Validasi dan Koreksi Data Satelit TRMM Pada Tiga Pola Hujan di Indonesia*. Puslitbang BMKG: Jurnal Meteorologi dan Geofisika Vol 15, No 1.

McCuen, Richard H; Knight, Zachary; dan Cutter, A Gillian. 2006. *Evaluation of the Nash–Sutcliffe Efficiency Index*. J. Hydrol. Eng. 2006.11:597-602.

McDonald, Thomas C dan Langridge-Monopolis, Jennifer. 1984. *Breaching Characteristics of Dam Failures*. J. Hydraul. Eng. 1984.110:567-586.

McEnroe, Bruce M dan Zhao, Hongying. 1999. *Lag Times and Peak Coefficients for Rural Watersheds in Kansas*. Lawrence: University of Kansas.

Meyer-Peter, E dan Müller, R. 1948. *Formulas for bed-load transport*. Prosiding 2nd Meeting IAHR. Stockholm.

Mishra, Surendra Kumar dan Singh, Vijay K. 2003. *Soil Sonservation Service Survey Number (SCS-CN) Methodology*. Springer Science+Business Media Dordrecht



Morgenstern, NR dan Price, VE. 1965. *The Analysis of The Stability of General Slip Surfaces*. London: The Institution of Civil Engineers.

Mushthofa, Akhyar. 2015. *Simulasi Banjir Bandang untuk Sistem Peringatan Dini dan Peta Bahaya (Studi Kasus Bencana Banjir Bandang di Dusun Nasiri, Kecamatan Huamual, Kabupaten Seram Bagian Barat Tahun 2012)*. Tesis. Yogyakarta: Program Pascasarjana Fakultas Teknik UGM.

NASA. 2015. (*online*). (<http://trmm.gsfc.nasa.gov> diakses 5 Februari 2015)

Nash, JE dan Sutcliffe, JV. 1970. *River flow forecasting through conceptual models. Part 1: Discussion of Principles*. Journal of Hydrology 10 (1970) 282-290 Amsterdam: North-Holland Publishing Co.

Nearing, MA; Liu, BY; Risse, LM; dan Zhang, X. 1996. *Curve numbers and Green-Ampt effective hydraulic conductivities*. Water Resources Bulletin Vol. 32 No. 1, February 1996.

Nikolakopoulos, KG; Kamaratakis, K; dan Chrysoulakis, N. 2006. *SRTM vs ASTER elevation products. Comparison for two regions in Crete, Greece*. International Journal of Remote Sensing Vol. 27, No. 21, 10 November 2006, 4819–4838.

Omachi, Toshikatsu dan Le-Huu, Ti. 2003. *Overview of the Natural Disaster and Flood Forecasting and Warning Systems in the Region*. Prosiding Second International Conference on Early Warning, Bandung-Indonesia.

Pairault, Angelique A; Hall, Robert; dan Elders, Christopher F. 2003. *Structural styles and tectonic evolution of the Seram Trough, Indonesia*. Marine and Petroleum Geology 20 (2003) 1141–1160.

Papaioannou, George dkk. 2017. *Probabilistic flood inundation mapping at ungauged streams due to roughness coefficient uncertainty in hydraulic modelling*. Adv. Geosci., 44, 23–34, 2017.

Parry, RHG. 2004. *Mohr Circles, Stress Paths and Geotechnics*. New Fetter Lane, London: Spon Press.

Peng, Ming; Zhang, Limin; dan Huang, Runqiu. 2010. *Risk analysis of Tangjiashan landslide dam*. GeoFlorida 2010: Advances in Analysis, Modeling & Design.

Pradel, Daniel dan Raad, Glen. 1993. *Effect of Permeability on Surficial Stability of Homogeneous Slopes*. J. Geotech. Engrg. 1993.119:315-332.

Prakash, Om dan Curtis, David C. 2012. *Comparisons of Satellite Derived Precipitation Estimation*. Prosiding dalam World Environmental and Water Resources Congress 2012: Crossing Boundaries © ASCE 2012.



Pratikto, Abiseno. 2012. *Identifikasi Kejadian Hujan Ekstrem Berdasarkan Data TRMM Secara Temporal (Studi Kasus: Soreang)*. Program Studi Meteorologi Institut Teknologi Bandung.

Singh, Vijay P. 1996. *Dam Breach Modeling Technology*. Dordrecht: Springer-Science+Business Media, B.Y.

Singh, Vijay P. 2003. *Kinematic Wave Modeling in Hydrology*. World Water & Environmental Resources Congress.

Soil Conservation Service. 1972. *National Engineering Handbook, section 4, Hydrology*. Washington DC: US Dept. of Agriculture.

Snider, Dean. 1971. *National Engineering Handbook, Section 4 Hydrology, Chapter 16 Hydrographs*. USDA-NRCS.

Snyder, Franklin F. 1938. *Synthetic unit-graphs*. Transactions, American Geophysical Union, hal. 447-454.

Soemarto, CD. 1987. *Hidrologi Teknik*. Surabaya: Usaha Nasional.

Sredojevic, Dragan dan Simonosevic, Slobodan P. 2009. *City of London: Vulnerability of Infrastructure to climate Change, Background Report #2 Hydraulic Modeling and Floodplain Mapping*. Ontario: The University of Western Ontario Canada.

Sri Harto, Brotowiriyatmo. 1985. *Hidrograf Satuan Sintetis Gama I*. Jakarta: Badan Penerbit Pekerjaan Umum.

Sri Harto, Brotowiriyatmo. 2016. *Review of Rainfall Hourly Distribution the Island of Java*. Yogyakarta: Journal of the Civil Engineering Forum Vol. 2 No. 1 (January 2016).

Straub, Timothy D; Melching, Charles S; dan Kocher, Kyle E. 2000. *Equations for Estimating Clark Unit-Hydrograph Parameters for Small Rural Watersheds in Illinois*. Urbana: USGS.

Strickler. 1923. *Contributions to the Question of a Velocity Formula and Roughness Data for Streams, Channels and Closed Pipelines* (diterjemahkan oleh Thomas Roesgen and William R. Brownlie). Pasadena: California Institute of Technology.

Takahashi, Tamotsu. 2007. *Debris Flow: Mechanics, Prediction, and Counter measures*. Leiden: CRC Press/Balkema.



Tang, Chenxiao. 2012. *2-D Flash Flood Simulation of the Tangjiashan Landslide Dam*

Induced by the 2008 Wenchuan Earthquake. Thesis. Enschede: University of Twente.

Tjokrosapoetro, S; Rusmana, E; dan Achdan, A. 1993. Peta Geologi Lembar Ambon, Maluku. Jakarta: Pusat Penelitian dan Pengembangan Geologi.

USGS. 2008. (*online*). (<http://earthquake.usgs.gov/earthquakes/eqinthenews/2008/us2008ryan/#summary> diakses 6 Februari 2015)

Van Bemmelen, Reinout Willem. 1949. *The Geology of Indonesia: Vol IA General Geology of Indonesia and Adjacent Archipelagoes.* The Hague : Government Printing Office.

Vernimmen, RRE; Hooijer, A; Mamenun; Aldrian, E; dan Van Dijk, AIJM. 2012. *Evaluation and Bias Correction of Sattellite Rainfall Data for Drought Monitoring in Indonesia.* Hydrology and Earth System Science, 16, 133-146.

Wahl, Tony L. 1998. *Prediction of Embankment Dam Breach Parameters.* US Department of the Interior Bureau of Reclamation.

Washington State Department of Ecology. 2007. *Dam Break Inundation Analysis and Downstream Hazard Classification.* Olympia: Water Resources Program Publications.

WMO. 2009. *Guide to Hydrological Practices Volume II Management of Water Resources and Application of Hydrological Practices.* Geneva: WMO.

Woodward, Donald E; Hawkins, Richard H; Hjelmfelt Jr, Allen T; Van Mullem, J A; dan Quan, Quan D. 2002. *Curve Number Method: Origins, Applications, and Limitations.* USDA-NRCS.

Woodward, Donald E. dan Hoeft, Claudia C. 2007. *National Engineering Handbook, Part 630 Hydrology, Chapter 16 Hydrographs.* USDA-NRCS.

Xu, Y dan Zhang, LM. 2009. *Breaching Parameters for Earth and Rockfill Dams.* J. Geotech. Geoenviron. Eng. 2009.135:1957-1970.

Zang, LM; Peng, M; dan Xu, Y. 2010. *Assessing Risks of Breaching of Earth Dams and Natural Landslide Dams.* Prosiding Indian Geotechnical Conference – 2010, GEOTrendz.

Zhu, DY; Lee, CF; Qian, QH; dan Chen, GR. 2005. *A Concise Algorithm for Computing the Factor of Safety Using the Morgenstern–Price Method.* Canadian Geotechnical Journal 42: 272–278.