

DAFTAR PUSTAKA

- Abdel-Lattif A. dan Sherief Y. 2012. Morphometric Analysis and Flash Floods of Wadi Sudr and Wadi Wardan, Gulf of Suez, Egypt: Using Digital Elevation model. *Arabian Journal of Geosciences*. Vol. 5 Hal 181–195
- Adi S. 2013. Characterization of Flash Flood Disaster in Indonesia. *Jurnal Sains dan Teknologi Indonesia* Vol. 15, No. 1, April 2013 Halaman.42-51
- Alexakis D.D, Grillakis M. G. , Koutroulis A. G., Agapiou A., Themistocleous K., Tsanis I. K., Michaelides S., Pashiardis S., Demetriou C., Aristeidou K., Retalis A., Tymvios F. dan Hadjimitsis D.G. 2014. GIS and Remote Sensing Techniques For The Assessment of Land Use Change Impact on Flood Hydrology: The Case Study of Yialias Basin in Cyprus. *Journal of Natural Hazard and Earth System Sciences*. Vol. 14. Lembar 413–426
- Altaf F., Meraj G.dan Romshoo S. A., 2013. Morphometric Analysis to Infer Hydrological Behaviour of Lidder Watershed, Western Himalaya, India. *Geography Journal of Hindawi*. Vol. 2013 Hal. 14
- Angellieri M.Y.E. 2008. Morphometric analysis of Colanguil River Basin and Flash Flood Hazard, San Juan, Argentina. *Journal of Environmental Geology*. Vol.55 Hal. 107–111
- APFM. 2012. *Integrated Flood Management Tools Series Management of Flash Floods*. World Meteorological Organization. http://www.apfm.info/publications/tools/APFM_Tool_16.pdf
- Backwell C.A. dan Bijkerk T.G.J., 2010. An Analysis of Flash Floods in The Payne Catchment Southern France. *Tesis*. Utrecht University
- Bagira T. 2013. Mapping of Flash Flood Potential Areas in The Western Cape (South Africa) Using Remote Sensing and In Situ Data. *Thesis*. Faculty of Geo-Information Science and Earth Observation. University of Twente
- Bera K. dan Bandyopadhyay J. 2013. Prioritization of Watershed using Morphometric Analysis Through Geoinformatics technology: A case study of Dungra sub-watershed, West Bengal, India. *Journal of Advances in Remote Sensing and GIS*. Vol. 2 No. 1
- Biswas R. dan Chakraborty S. 2017. Watershed Prioritization Based On Geo-Morphometry And Land Use Parameters An Approach To Watershed Development Using Remote Sensing And GIS, Neora Watershed, Darjeeling And Jalpaiguri Districts, West Bengal, India. *Journal of Applied Geology and Geophysics*. Vol. 4 Hal. 36-39
- Borga M., Stoffel M., Marchi L., Marra F. dan Jakob M. 2014 Hydrogeomorphic Response to Extreme Rainfall in Headwater Systems: Flash Floods and Debris Flows. *Journal of Hydrology*. Vol. 518 Lembar 194- 205
- Danoedoro P. 2012. *Pengantar Penginderaan Jauh Digital*. Andi: Yogyakarta
- Daruati D. 2008. Penggunaan Citra Landsat 7 ETM⁺ untuk Kajian Penggunaan Lahan DAS Cimanuk. *Jurnal LIMNOTEK*. VOL. 15 Hal. 40-50
- Dawod G.M, Mirza M.N, Al-Ghamdi K.A. 2011. GIS-Based Spatial Mapping of Flash Flood Hazard in Makkah City, Saudi Arabia. *Journal of Geographic Information System*, Vol. 3 No. 3 Lembar 225-231

- Diakakis M. 2001. A Method for Flood Hazard Mapping Based on Basin Morphometry: Application in Two Catchments in Greece. *Journal of Natural Hazards*. Vol. 56 Hal. 803–814
- Elmoustafa M. A. dan Mohamed M. M. 2013. Flash Flood Risk Assessment Using Morphological Parameters in Sinai Peninsula. *Journal of Modern Hydrology*. Vol. 3 Lembar 122-129
- ENVI. 2009. *ENVI EX User's Guide*. www.harrisgeospatial.com/portals/0/pdfs/enviex/ENVI_EX_User_Guide.pdf
- Farhan Y., Anaba O. dan Salim A. 2017. Morphometric Analysis and Flash Floods Assessment for Drainage Basins of the Ras En Naqb Area, South Jordan Using GIS. *Journal of Geoscience and Environment Protection*. Vol. 9 Hal. 9-33
- Farhan Y., Anbar A., Al-Shaikh N. dan Mousa N. 2017. Prioritization of Semi-Arid Agricultural Watershed Using Morphometric and Principal Component Analysis, Remote Sensing, and GIS Techniques, the Zerqa River Watershed, Northern Jordan. *Agricultural Sciences*. Vol. 8 Hal. 113-148
- Garambois P. A., Larnier K., Roux H., Labat D. dan Dartus D. 2014. The Use of Distributed Hydrological Models for The Gard 2002 Flash Flood Event: Analysis of Associated Hydrological Processes. *Journal of Atmospheric Research*. Vol. 137 Lembar 14-24
- Gaume E., Bain V., Bernardara P., Newinger O., Barbucd M., Batemane A., Blaškovičová L., Blöschlg G., Borgah M., Dumitrescui A., Daliakopoulou I., Garciae J., Irimescui A., Kohnovaj S., Koutroulisk A., Marchil L., Matreatad S., Medinae V., Precisol E., Torresm D. S., Stancaliei G., Szolgayj J., Tsanisk I., Velascom D. dan Viglione A. 2009. A Compilation of Data on European Flash Floods. *Journal of Hydrology*. Vol. 367 Lembar 70–78
- Gaume E., Livet M., Desbordes M. dan Villeneuve J.P. 2004. Hydrological Analysis of The River Aude, France, Flash Flood on 12 and 13 November 1999. *Journal of Hydrology*. Vol. 286. Hal. 135-154
- Gioti E., Riga C., Kalogeropoulos. Dan Chalkias C. 2013. A Gis Based Flash Flood Runoff Model Using High Resolution DEM and Meteorological Data. *Journal of European Association of Remote Sensing Laboratories*. Vol. 12 No. 1 Lembar 33-43.
- Goron N. D. 2012. The Conditional Factors and Their Influence Upon The Evolution of Flash Flood Phenomena in The Upper River Basin of Mureş. *Academica Science Journal*. Vol. 1 Lembar 53-59
- Gourley J.J., Erlingis J.M., Hong Y., dan Wells E.B. 2010. Evaluation of Tools Used for Monitoring and Forecasting Flash Floods in the United States. *Journal of Weather and Forecasting*, Vol. 27 Isu 1 Lembar 158–173
- Hanafiah, K. A., 2005. *Dasar-Dasar Ilmu Tanah*. PT Raja Grafindo, Persada: Jakarta.
- Himayah S., Hartono. dan Danoedoro P. 2017. The Utilization of Landsat 8 Multitemporal Imagery and Forest Canopy Density (FCD) Model for Forest Reclamation Priority of Natural Disaster Areas at Kelud Mountain,

- East Java. *2nd International Conference of Indonesian Society for Remote Sensing (ICOIRS) 2017*. <http://iopscience.iop.org/1755-1315/47/1/012043>
- Hoedjes J. C. B, Kooiman A, Maathuis Ben H. P, Said Mohammed Y, Becht R, Mumo M, Nduhiu-Mathenge J, Shaka A dan Su B. 2014. A Conceptual Flash Flood Early Warning System for Africa, Based on Terrestrial Microwave Links and Flash Flood Guidance. *Journal of Geo-Information*, Vol 3 Lembar 584-598
- Horton R. E. (1945). Erosional development of streams and their drainage basins- hydrophysical approach to quantitative morphology. *Geological Society of America Bulletin*. Vol 56 (3) Lembar 275-370
- Jia K., Wei X., Gu X., Yaou Y., Xie X., dan Li B. 2014. Land Cover Classification Using Landsat 8 Operational Land Imager Data in Beijing, China. Geocarto International. <https://www.researchgate.net/publication/264563165>
- Kaatz J. A. 2012. Development of a HEC-HMS Model to Inform River Gauge Placement for a Flood Early Warning System in Uganda. *Thesis of Engineerin Civil and Environmental Engineering*. Massachusetts Institute of Technology
- Kanth T. A. dan Hassan Z. U. 2012. Morphometric Analysis and Prioritization of Watersheds for Soil and Water Resource Management in Wular Catchment Using Geo-Spatial Tools. *International Journal of Geology, Earth and Environmental Sciences*. Vol. 1 Hal. 30-41
- Kim E.S. dan Choi H. 2012. Estimation of the Relative Severity of Floods in Small Ungauged Catchments for Preliminary Observations on Flash Flood Preparedness: A Case Study in Korea. *Journal of Environmental Research and Public Health*, Vol. 9 Lembar 1507-1522
- Kishore K., Subbiah A. R., Sribimawati T., Diharto S., Alimoeso S., Rogers P. dan Setiana A. 2000. *Indonesia Country Study*. Asian Disaster Preparedness Center: Thailand. <http://archive.unu.edu/env/govern/ElNino/CountryReports/pdf/indonesia.pdf>.
- Knocke E. W. 2006. Modeling Flash Floods in Small Ungaged Watersheds using Embedded GIS. *Thesis*. Master of Science in Geography: Virginia Polytechnic Institute and State University
- Kodoatie, R. J. 2013. *Rekayasa dan Manajemen Banjir Kota*. Yogyakarta: Andi.
- Kulkarni D. M. 2013. The Basic Concept to Study Morphometric Analysis of River Drainage Basin. *International Journal of Science and Research*. Vol. 2319-7064
- Krudzlo R. 2010. Flash Flood Potential Index for The Mount Holly Hydrologic Service Area. *Poster*. Eastern Region Flash Flood Conference
- Kumar P. dan Joshi V. 2015. Characterization of Hydro Geological Behavior of The Upper Watershed of River Subarnarekha Through Morphometric Analysis Using Remote Sensing and GIS Approach. *International Journal of Environmental Sciences* Vol. 6 No. 4
- Lóczy D., Czigány S. and Pirkhoffer E. 2012. Flash Flood Hazards. *Ebook of Studies on Water Management Issues*, InTech, DOI: 10.5772/28775.

- Maddox R. A., Canova F., dan Hoxit L. R. 1890. Meteorological Characteristics of Flash Flood Events over the Western United States. *Environmental Research Laboratories, Office of Weather Research and Modification-NOAA*. [http://dx.doi.org/10.1175/1520-0493\(1980\)108<1866:MCOFFE>2.0.CO;2](http://dx.doi.org/10.1175/1520-0493(1980)108<1866:MCOFFE>2.0.CO;2).
- Marchi, L., Borga, M., Preciso, E., dan Gaume, E., 2010. Characterisation of Selected Extreme Flash Floods in Europe and Implications for Flood Risk Management. *Journal of Hydrology*. Vol. 394 Isu 1–2 Lembar 118–133
- Mehta P., Bisht D. dan Das P. 2015. Image Classification: Methods and Techniques. *Journal of Academia*. http://www.academia.edu/13062918/Image_Classification_Methods_and_Techniques
- Mhonda A. 2013. Evaluating Flash Flood Risk Reduction Strategies in Built-up Environment in Kampala. *Thesis*. Faculty of Geo-Information Science and Earth : University of Twente
- Miller, J.R. Ritter, D.F. dan Kochel, R.C. 1990. Morphometric Assessment of Lithologic Controls on Drainage Basin Evolution in The Crawford Upland, South-Central Indiana. *American Journal of Science*. Vol. 290 Hal. 569-599
- Mustafa A. A., Singh M., Sahoo R. N., Ahmed N., Khana M., Sarangi A. dan Mishra A. K. 2011. Land Suitability Analysis for Different Crops: A Multi Criteria Decision Making Approach using Remote Sensing and GIS. *Journal of Researcher*. Vol. 3 Hal. 61–84
- Musy, A. 2001. *E-Drologie*. Ecole Polytechnique Fédérale, Lausanne, Suisse.
- Narulita I. 2017. Distribusi Spasial dan Temporal Curah Hujan di DAS Cerucuk, Pulau Belitung. *Jurnal Riset Geologi dan Pertambangan*. Vol. 2 No. 2 Lembar 141-154.
- Narulita I., Maria R. dan Djuwansah M. R. 2010. Karakteristik Curah Hujan di Wilayah Pengaliran Sungai (WPS) Ciliwung Cisadane. *Journal Riset Geologi dan Pertambangan*. Vol. 20 Hal. 95-110
- NASA. 2015. Applied Remote Sensing Training: NASA Remote Sensing Observations for Flood Management. <http://arset.gsfc.nasa.gov>. Tanggal 8 Juni 2015 Pukul 20:00 WIB
- NASA. 2003. Suspicious Traits of 2002-2003 El Nino. <https://www.nasa.gov/centers/goddard/news/topstory/2003/0131nao.html>. Tanggal 10 Maret 2017 Pukul 22.05 WIB.
- Neto J.G.D.C., Neto A.R. and Montenegro M.S.G.L. 2014. Assessment of Rainfall-Runoff Models for Flood River Extreme Event Simulations. *Proceeding of the 6th International Conference on Flood Management - ICFM6*. São Paulo, Brazil
- Noordwijk M.N., Agus F., Suprayogo D., Verbist B. dan Faridah. 2004. Peranan Agroforestri dalam Mempertahankan Fungsi Hidrologi Daerah Aliran Sungai (DAS). *Journal of Agricultural Science*. Vol. 26 No.1
- Ogden F.L., Sharif H.O., Senarath S.U.S., Smith J.A., Baeck M.L. dan Richardson J.R. 2000. Hydrologic Analysis of The Fort Collins, Colorado, Flash Flood of 1997. *Journal of Hydrology*. Vol. 228. Hal. 82-100

- Omran A., Schroder D., El-Reyes A. E. dan Geriess M. H. 2011. Flood Hazard Assessment in Wadi Dahab, Egypt Based on Basin Morphometry Using GIS Techniques. *Paper Conference of Geoinformatics Forum Salzburg*. https://www.researchgate.net/profile/Ahmed_El-Rayes/publication/216112913_Flood_hazard_assessment_in_Wadi_Dahab_Egypt_based_on_basin_morphometry_using_GIS_techniques/links/02bfe513242eb622f3000000/Flood-hazard-assessment-in-Wadi-Dahab-Egypt-based-on-basin-morphometry-using-GIS-techniques.pdf
- Papagiannaki K., Lagouvardos K., Kotroni V., dan Bezes A. 2015. Flash Flood Occurrence and Relation to The Rainfall Hazard in A Highly Urbanized Area. *Natural Hazards and Earth System Sciences*. Vol. 15 Hal. 1859–1871
- Pincott-Miller D., McGarry D., Fairweather H. and Srivastava S.K. 2012. Review and Framework Development for Addressing Flash Flood Potential Using GIS Assisted Spatial Hydrologic Modelling. *Papers and Presentations of Queensland Surveying and Spatial Conference 2012*. Hal. 1-16
- Prasad R., K., Mondal N. C., Banerjee P., Nandakumar M. V., dan Singh V. S. 2008. Deciphering Potential Groundwater Zone in Hard Rock through the Application of GIS. *Environmental Geology*. Vol. 55 Hal. 467-475
- Purwantor T. H. 2013. Ekstraksi Morfometri Daerah Aliran Sungai Dari Data Digital Surface Model (Studi Kasus Das Opak). *Jurnal Geografi UGM*. <http://geo.ugm.ac.id/wp-content/uploads/2013/05>.
- Rekha V. B., George A. V. dan Rita M. (2011), Morphometric Analysis and Micro-Watershed Prioritization of Peruvanthanam Sub-Watershed, The Manimala River Basin, Kerala, South India. *Environmental Research, Engineering and Management*. Vol 57 Hal. 6-14
- Rencana Tata Ruang Wilayah Kabupaten Maros Tahun 2012-2032
- Rencana Tata Ruang Wilayah Provinsi Sulawesi Selatan Tahun 2009-2029
- Rencana Tata Ruang Wilayah Kabupaten Pangkep Tahun 2012-2032
- Rencana Pengeolaan Daerah Aliran Sungai Provinsi Sulawesi Selatan Tahun 2015-2030
- Richards J., A. 2013. Remote Sensing Digital Image Analysis. *Ebook: Springer Heidelberg New York Dordrecht London*. ISBN: 978-3-642-30062-2
- Ritter, D.F., Kochel, R.C., dan Miller, J.R. 1995. *Process Geomorphology 3rd Ed*”, W.C. Brown Publishers: Dubuque.
- Ritohardoyo S. 2013. *Penggunaan dan Tata Guna Lahan*. Ombak: Yogyakarta
- Romshoo, S.A., Bhat, S.A. dan Rashid, I. 2012. Geoinformatics for Assessing The Morphometric Control on Hydrological Response at Watershed Scale in The Upper Indus Basin. *Journal of Earth System Science*. Vol. 121 Hal. 659–686
- Rosyidah E. dan Wirosodarmo R. 2013. Pengaruh Sifat Fisik Tanah pada Konduktivitas Hidrolik Jenuh di 5 Penggunaan Lahan (Studi Kasus di Kelurahan Sumbersari Malang). *Jurnal AGRITECH*. Vol. 33 No. 3
- Scharffenberg W. A. 2013. *Hydrologic Modeling System HEC-HMS, Users Manual Version 4.0*. U.S. Army Corps of Engineers: Washington. <http://www.hec.usace.army.mil/software/hec-hms/documentation.html>

- Sanda, Rosca, Iacob I. C. 2012. Flood Susceptibility Assessment in The Niraj Basin. *Journal of Air & Water Components of the Environment Conference-Geography Faculty of Babeş-Bolyai University*.
- Sangati M., Borga M., Rabuffetti D. dan Bechini R. 2009. Influence of Rainfall and Soil Properties Spatial Aggregation on Extreme Flash Flood Response Modelling: An Evaluation Based on The Sesia River Basin, North Western Italy. *Advances in Water Resources*. Vol. 32 Hal. 1090-1106
- Sartohadi J., Suratman, Jamulya dan Dewi N. I. S. 2014. *Pengantar Geografi Tanah. Pustaka Pelajar: Yogyakarta*
- Schumm, S.A. 1956. Evolution of Drainage Systems and Slopes in Badlands at Perth Amboy. *Journal of Geological Society of America*, New Jersey. Vol .67 lembar 597-646
- Skias S. G. 2001. The Effectiveness of Engineering Geology in Coping with Flash Floods: A Systems Approach. *Nato Science Series Chapter: Coping With Flash Floods*. Vol. 77 Lembar 115-122.
- Smith, G., 2003, Flash Flood Potential: Determining The Hydrologic Response of FFMP Basins to Heavy Rain by Analyzing Their Physiographic Characteristics. *Paper of The NWS Colorado Basin River Forecast Center*. http://www.cbrfc.noaa.gov/papers/ffp_wpap.pdf.
- Smith G.E., 2010, Development of a Flash Flood Potential Index Using Physiographic Data Sets Within a Geographic Information System, *Thesis*. Master of Science, Department of Geography The University of Utah
- Sohlman M. 2001. Remote Sensing Methods for Measuring Vegetation Density for Hydrological Modelling Applications in The Okavango Delta, Botswana. *Thesis*. Department of Civil and Environmental engineering, Royal Institute of Technology
- Sosrodarsono S. dan Takeda K. 2003. *Hidrologi untuk Pengairan*. PT Pradnya Pramita: Jakarta.
- Talukdar, R. 2011. Geomorphological Study of the Jia Bharali River Catchment, n. E. India. *Tesis*. Department of Geological Sciences-Gauhati University.
- Tamang D. K.Dhakal D., Shrestha D. G dan Sharma N.P. 2012. Morphometric Analysis and Prioritization of Miniwatersheds in Rongli Watershed, Sikkim (India) Using Remote Sensing and GIS Techniques. *International Journal of Fundamental & Applied Sciences*. Vol 1. Hal 61-66
- Triatmodjo B. 2014. *Hidrologi Terapan*. Beta Offset Yogyakarta: Sleman
- UCAR. 2010. Flash Flood Early Warning System Reference Guide. http://www.meted.ucar.edu/hazwarnsys/haz_fflood.php
- Zuidam R. A. V. 1979. *Chapter 6: Terrain Analysis and Classification Using Aerial Photographs*. ITC: The Netherlands
- Vinod P. G., Menon A. R. R., Ajin R. S. A. dan Chinnu R. V. 2014. RS & GIS Based Spatial Mapping of Flash Floods in Karamana and Vamanapuram River Basin, Thiruvananthapuram District, Kerala. *Journal Of International Symposium on Integrated Water Resources Management*, Vol 2 Lembar 1237-1243
- Zaharuddin N. dan Samad A. M. 2007. Study on The Impact of Land Cover Changes in Runoff Generation Using GIS: Case Study of Sg. Gombak

Catchment. *Jurnal Persidangan Kebangsaan ke-empat Kejuruteraan
Awan*. Tanggal 29-31 Januari 2007

Zogg J. dan Deitsch K. 2013. *The Flash Flood Potential Index at WFO Des Moines,
Iowa*. National Oceanic and Atmospheric Administration.
www.crh.noaa.gov/Image/dmx/hydro/FFPI_WriteUp.pdf