

DAFTAR PUSTAKA

- Adler, R.F., Negri, A.J., Keen, P.R., Hakkarinen, I.M. 1993. *Estimation of Monthly Rainfall Over Japan and Surrounding Water from a Combination of Low Orbit Microwave and Geosynchronous IR Data. Journal Applied of Meteorology*. 32:335-356.
- Adler, R.F., Huffman, G.H., Keehn, P.R. 1994. *Global Tropical Rain Estimation from Microwave Adjusted Geosynchronous IR Data. Remote Sensing Rev.* 11:125-152.
- Adamowski, J., Chan, F.H., Prasher, S.O., Sharda, V.N. 2012. Comparison of Multivariate Adaptive Regression Splines with Coupled Wavelet Transform Artificial Neural Networks for runoff forecasting in Himalayan Micro-Watersheds with Limited Data. *Journal of Hidroinformatics*. P-731. Vol-14.3.
- Aldrian, E. 2003. *Identification Of Three Dominant Rainfall Regions Within Indonesia And Their Relationship To Sea Surface Temperature. International Journal Of Climatology*. 23: 1435–1452
- Aldrian, E., Karmini, M., Budiman. 2011. *Adaptasi dan Mitigasi Perubahan Iklim di Indonesia. Pusat Perubahan Iklim dan Kualitas Udara. Badan Meteorologi Klimatologi dan Geofisika (BMKG) Indonesia.*
- Anagnostou, E.N., Krajewski, W.F., Seo, D.J., Jun, D., Johnson, E.R. 1998. *Mean field rainfall bias studies for WSR-88D. Journal of Hydrology Engineering*, 3 , 149-159.
- Anneka, D., Ismail. 2013. *The Learning of K-Nearest Neighbours Model and Multivariate Adaptive Regression Splines Model in Rainfall – Runoff Processes at Pahang River, Malaysia. Proceeding of International Conference on Advance in Structural, Civil, and Environmental Engineering – SCEE. Jakarta.*
- Arkin, P.A., Meisner, B., 1987. *The relationship between Large-Scale Convective rainfall and cold cloud over the western Hemisphere during 1982-1984. Mon. Wea. Rev.*, 115, 51-74.
- Asklany S., Elhelow K., Youssef I.K., Wahab M. 2010. *Rainfall events prediction using rule-based fuzzy inference system. Science Direct Journal. Atmospheric Research* 101.228-236.
- Badan Meteorologi dan Geofisika (BMG). 2008. *Buletin Badan Meteorologi dan Geofisika. Puslitbang BMG. Jakarta.*
- Badan Meteorologi Klimatologi dan Geofisika (BMKG). 2010. Peraturan Kepala Badan Meteorologi, Klimatologi, dan Geofisika Nomor : Kep.009 Tahun 2010 tentang Prosedur Standar Operasional Pelaksanaan Peringatan Dini, Pelaporan, dan Diseminasi Informasi Cuaca Ekstrem. BMKG. Jakarta Indonesia.
- Badan Nasional Penanggulangan Bencana Republik Indonesia (BNPB RI). 2010. *Peta Kejadian Bencana Banjir di Indonesia Tahun 1979-2010.*
- Badan Pusat Statistik. 2016. Provinsi Jawa Timur dalam Angka 2016. Publikasi Badan Pusat Statistik Provinsi Jawa Timur.

- Barret, E.C. 1970. *The estimation of monthly rainfall from satellite data. Monitoring Weather*, 98, 322-327.
- Barret, E.C., Martin, D.W., 1981. *The use of satellite data in rainfall monitoring*. Academic Press. London. UK.
- Battan, L.J. 1973. *Radar Observations of the Atmosphere*. The University of Chicago Press. P 324.
- Bemmelen, RW. 1949. *The Geology of Indonesia (First Edition), Vol IA*. Government Printing Office, The Netherlands.
- Bennartz, R., Thoss, A., Dybbroe, A., Michelson, D.B. 2002. *Precipitation Analysis Using the Advanced Microwave Sounding Unit in Support of Nowcasting Applications. Journal of Applied Meteorology*. 9, 177-189.
- Blanchard, D.C. 1953. *Raindrop Size Distribution in Hawaian Rain*. Journal of Meteorology. 10. Pp 457-473.
- Budiati, 1996. *Estimasi Curah Hujan Berdasarkan Indeks Pantulan Radar dan Profil Kelembaban Relatif Hasil Observasi Radiosonde*. Tesis. Program Pascasarjana Institut Pertanian Bogor. Jawa Barat.
- Budiati. 2008. *Interaksi Fenomena El Nino dan Dipole Mode Secara Simultan serta Monsun Panas India terhadap Variabilitas Curah Hujan di Sumatera Bagian Utara*. Disertasi. Institut Teknologi Bandung. Indonesia.
- Bureau of Meteorology Australia. 2001. *Climate Variability and El Nino*. <http://www.bom.gov.au>. Diunduh 12 Juni 2010
- Charania N.A., Dudul S.V. 2013. *Design of Natural Network Models for Daily Rainfall Prediction*. International Journal of Computer Science Application (0975-8887) Vol 61 No. 14.
- Chumchean, S., Sharma, A., Seed, A. 2006. *An Integrated Approach to Error Correction for Realtime Radar Rainfall Estimation. Bulletin of American Meteorological Society*. Vol 23, pp 67-79.
- Ciach, G.J. Krajewski, W.F., Anagnostau, E.N., Baeck, M.L., Smith, J.A., Mccollum, J.R., Kruger, A. 1996. *Radar Rainfall Estimation for Ground Validation Studies of The Tropical Rainfall Measuring Mission. Jurnal of Applied Meteorology. American Meteorological Society*. Pp 735-747.
- Cluckie, I.D., Tilford, K.A., Shepard, G.W. 1991. *Signal Quantization and Its Influence on Rainfall Runoff Model. Hydrological Application of Weather Radar*. Collier, C.G., Ed., Ellis Horwood, 440-451.
- Creutin, J.D., Obled, C. 1982. *Objective Analysis and Mapping Techniques for Rainfall Fields : an Objective Comparasion*. Water Resources. 18. 413-431.
- Dittberner , G.J., Vonder H.T.H. 1973. *Large scale preipitation estimate using satellite data : Application to the Indian Monsoon*. Arch. Met. Geogp. Biokl. Ser. B., 21, 317-334.
- Dubey, D. A. 2015. *Artificial Neural Network Models for Rainfall Prediction in Pondicherry*. International Journal of Computer Applications (0975 – 8887) Vol 120 – No.3.

- Fields, G., Seed, A., Yu, B., Malone, T. 2004. *Calibration of Weather Radar in South East Queensland*. Sixth International Symposium on Hydrological Application of Weather Radar, Melbourne. Australia.
- Foot, G.B. 1966. *A Z-R Relation for mountain thundrestorms*. *Journal of Applied Meteorology*. 5. 229-231.
- Friedman, J.H. 1991. *Multivariate Adaptive Regression Splines (With Discussion)*. *The Annals of Statistics*. Vol 19. Hal 1-14.
- Fulton, R.A., Breidenbach, J.P., Seo, D.J., Miller, D.A. 1998. *The WSR-88D Rainfall Algorithm*. *Weather Forecasting*, Vol 13, pp 377-395.
- Gabella, M., Perona, G. 1998. *Simulation of the Orographic Influence on Weather Radar Using Geometric-Optics Approach*. *Journal of Atmospheric Oceanic Technology*. 15, 1485-1494.
- Gutierrez, A.G., Schnabel, S., Contador, F.J. 2008. *Use of Two Non Parametric Methods (CART and MARS) to Model the Potential Distribution of Gullies in Spanish Rangelands*. International Environmental Modelling and Software Society (iEMSs).
- Han, D. 1991. *Weather Radar Information Processing and Realtime Flood Forecasting*. *PhD Thesis*. Water Resources Research Group, Department of Civil Engineering. University of Salford, UK.
- Henken, C.C. 2009. *Detection of Cb and TCu Clouds using MSG-SEVIRI cloud physical properties and weather radar observation*. *Thesis*. Utrecht University.
- Ingsriwang L., Ingsriwang S., Luenam P., Trisaranuwatana P., Klinpratoom S., Aungsuratana P., Khantiyanan W. 2010. *Applications of Statistical Methods for Rainfall Prediction over the Eastern Thailand*. Proceeding of the International Multiconference Of Engineers And Computers Scientist (IMEC). Vol. 3. Hongkong.
- Islam, M.R., 2005. *Improved quantitative estimation of rainfall by radar*. *Thesis*. The Faculty of Graduate Studies of the University of Manitoba. Hal. 10
- Jackson, L.J. 1977. *Climate, Water and Agriculture in The Tropics*. Longman inc. New York. US.
- Jobard, I., Desbois, M. 1994. *Satellite Estimation of The Tropical Precipitation Using The Meteosat and SSM/I Data*. *Atmospheric Research*. 34:285-298.
- Jones, D.A., Gurney, R.J., O'Connell, P.E. 1979. *Network design using optimal estimation procedure*. *Water Resources*. 15. 1801-1812.
- Joshi, U.R., Rajevan, M. 2006. *Trend in Precipitation Extremes Over India*. Research Report No. 3. National Climate Centre– Indian Meteorological Department
- Joss, J., Waldvogel, A. 1970. *A Method to Improve the Accuracy of Radar Measured a Mount of Precipitation*. 14th Radar Meteorology Conference, Tucson, American Meteorology Society. 237-238.
- Kementrian Dalam Negeri Republik Indonesia. 2016. *Pemetaan Potensi Ekonomi Daerah Koridor Wilayah Jawa*. http://appejawa.navperencanaan.com/peta/viewmap?prov_code=jatim#modalopen. diunduh tanggal 20 Juni 2016.

- Lee, G.W., Zawadzki, I. 2004. *Errors in The Radar Calibration by Gage, Disdrometer, and Polarimetry : Theoretical Limit and Application to Operational Radar*. Sixth International Symposium on Hydrological Application of Weather Radar. Melbourne. Australia.
- Levizzani, V., Bauer, P., Turk, F. Joseph. 2007. “*Measuring precipitation from space : EURAINSAT and the Future*”, published by Springer, the Netherlands, ISBN 978-1-4020-5834-9, pp 345-356.
- Li, Y., Cai, W., Campbell, E.P. 2005. *Statistical Modelling of Extreme Rainfall in Southwest Western Australia*. *Journal of Climate*. American Meteorological Society. Vol 18, pp 852-863.
- Linsley, R.K., Kohler, M., Paullus, J.L.H. 1975. *Hydrology for Engineers*. McGraw-Hill. New York. pp 482
- Lovejoy, S., Austin, G.L. 1979. *The source of error in rain amount estimating schemes for GOES visible and IR satellite data*. *Mon. Wea. Rev.*, 107, 1048-1054.
- Luenam, P., Ingsriwang, P., Ingsriwan, S., Aungsuratana P., Khantiyanan, W. 2010. *A Neuro-Fuzzy Approach for Daily Rainfall Prediction over the Central Region of Thailand*. Preceeding of the International Multiconference of Engineer and Computer Science. Vol I. IMECS. Hongkong.
- Maathuis, B.H.P., Gieske, A.S.M., Retrios, V., Leeuwen, B.V., Mannaerts, C.M., Hendrikse, J.H.M. 2006. *Meteosat-8 : From Temperature to rainfall*. *ISPRS Commision VII Mid-term symposium “Remote sensing from pixels to processes”*. Enschede, The Netherlands, 8-11 May 2006.
- Mapiam, P.P., Sriwongstanon, N. 2008. *Climatological ZR Realationship For Radar Rainfall Estimation In The Upper Ping River Basin*. Research Article. Science Asia, 34. 215-222.
- Marshall, J.S., Langille, R.C., Palmer, W.M. 1947. *Measurement of Rainfall by Radar*. *Journal of Meteorology*. 4 : 186-191.
- Marshall, J.S., Palmer, W.M. 1948. *The Distribution of Raindrops with Size*. *Journal of Meteorology*. 5, 165-166
- McGregor , G.R., Simon, N. 1998. *Tropical Climatology (Second Edition)*. John Willey and Sons. Ltd. England.
- Miler, S.W., Arkin, P.A., Joyce, R. 2000. *A Combined Microwave/Infrared Rain Rate Algorithm*. *Journal Remote Sensing*.
- Min, S.K., Zhang, X., Zwiers, F., W. 2009. *Signal detectibility in extreme precipitation changes assessed from Twentieth Century Climate Simulations*. *Clim Dyn* 32 : 95-111.
- Morin, E., Maddox, R.A., Goodrich, D.C., Sorooshian, S. 2005. *Radar Z-R Relationship for Summer Monsoon Storms in Arizona*. *Weather and Forcasting*. *American Meteorological Society*. Vol 20, pp 672-679.
- Nakagawa, K., Hanado, H., Kawamura, S., Takahashi, N., Iguchi, T. 2010. *Ground Validation of TRMM/PR Measurements*. *International Archieves of the Photogrametry, Remote Sensing and Spatial Information Science*, Vol 38, Part 8. Kyoto. Japan.

- Nanda, S.K., Tripathy, D.P., Nayak, S.K., Mohapatra, S. 2013. Prediction of Rainfall in India using Artificial Neural Network (ANN) Models. *I.J. Intelligent Systems and Applications*, 2013, 12, 1-22. dipublikasikan online November 2013 in MECS (<http://www.mecs-press.org/>) diunduh tanggal 6 Agustus 2016.
- Negri, A.J., Adler, R.F., Wetzel P.J. 1984. *Rain Estimation from satellites : An Examination of the Griffith-Woodley Technique*. *Journal of Applied Meteorology*, 23, 102-116.
- Neppel, L., Pujol, N., Sabatier, R. 2011. *A Multivariate Regional Test for Detection of Trend in Extreme Rainfall : The Case of Extreme Daily Rainfall in The French Mediterranean Area*. *Advance in Geosciences*, 26, 145-148.
- Office of the Federal Coordinator for Meteorological Services and Supporting Research (OFCM). 2005. *Federal Meteorological Handbook No. 11 Doppler Radar Meteorological Observations Part B Doppler Radar Theory and Meteorology*. Departement of Commerce. USA.
- Parwati, Suwarsono, Kusmaningayu, Kartasasmita. 2009. *Penentuan Hubungan Antara Suhu Kecerahan Data MTSAT dengan Curah Hujan Data QMORPH*. *Jurnal Penginderaan Jauh* Vol 6, 32-42
- Peralta-Hernandez, A.R., Balling, R.C., Barba-Martinez, L.R. 2009. *Comparative Analysis of Indices of Extreme Rainfall Events : Variations and Trends from Southern Mexico*. *Atmosfera* 22 (2), 219-228.
- Pannekoek, A.J, 1949. *Outline of The Geomorpholgy of Java*. Terjemahan: Budio Basri, pp. 270-326.
- Quiros, E., Felicísimo, A.M., Cuartero, A. 2009. Testing Multivariate Adaptive Regression Spline (MARS) as a Method of Land Cover Classification of TERRA-ASTER Satellite Images. *Journal Sensor*. Vol 9, 9011-9028.
- Richard, W.G., Crozier, C.L. 1983. *Precipitation Measurement with a C-Band Weather Radar in Southern Ontario*. *Atmosphere Ocean* 21 (2). 125-137. Canadian Meteorological and Oceanographic Society.
- Rinehart. 2004. *Radar for meteorologists*. Fourth Edition. Columbia, United State of America.
- Rosenfeld, D., Wolff, D.B., Atlas, D. 1993. *General Probability Matched Relations between Radar Reflectivity and Rain Rate*. *Journal of Applied Meteorology*. 32, 50-72.
- Rosenfeld, D., Wolff, D.B., Amitai, E. 1994. *The Window Probability Matching Method for Rainfall Measurement with Radar*. *Journal of Applied Meteorology*. 33, 682-693.
- Sandy, I.M. 1982. *A Preliminary Statistical Investigation on The Rainfall of Java*. Publikasi No. 199. Direktorat Tata Guna Tanah, Direktorat Jenderal Agraria, Departemen Dalam Negeri.
- Santi, R.C.N. 2011. *Teknik Perbaikan Kualitas Citra Satelit Cuaca dengan Sataid*. *Jurnal Teknologi Informasi DINAMIK* Vol 16 No 2.
- Seed, A.W., Sirivardena, L., Sun, X., Jordan, P., Elliot, J. 2002. *On the Calibration of Australian Weather Radars*. Cooperative Research Centre

- for Catcmenth Hydrology. Technical Report 02/7, pp 40. Melbourne. Australia.
- Semmler, T., Jacob, D. 2004. *Modelling Extreme Precipitation Events – a Climate Change Simulation for Europe*. Global and Planetary Change 44, 119-127.
- Seo, D.J., Breidenbach, J.P., Johnson, E.R. 1999. *Realtime Estimation of Mean Field Bias in Radar Rainfall Data*. *Journal of Hydrology*, 233, pp 131-147.
- Sethi, N., Garg, K. 2014. *International Journal of Computer Science and Information Technologies*, Vol. 5 (3) 3982-3984
- Seyyedi, H., 2010. *Comparing satellite derived rainfall with ground based radar for North-Western Europe*. Thesis. International Institute for Geo-information Science and Earth Observation Enschede, The Netherlands. Hal 18
- Shout, J.E., Martin, D.W., Sikdar, D.N. 1979. *Estimating GATE Rainfall with Geosynchronous satellite images*. *Mon. Wea. Rev.*, 107, 585-598.
- Sita, E., Otok, B.W. 2014. *Pendekatan Multivariate Adaptive Regression Splines (MARS) pada Pemodelan Penduduk Miskin di Indonesia Tahun 2008-2012*. Prosiding Seminar Nasional Matematika. Universitas Jember. Jawa Timur.
- Synoptic Division of SMRC, HyARC of Nagoya University. 2008. *Understanding the rainfall climatology and detection of extreme weather events in SAARC región : Part I – Bangladesh*. SAARC Meteorological Research Centre (SMRC). No. 21. Bangladesh.
- Smith, E.A., Mugnai, A., Cooper, H.J., Tripoli, G.J., Xiang, X. 1992. *Foundation for statistical-physical precipitation retrieval from passive microwave satellite measurement. Part I : Brightness-Temperature Properties of a Time-Dependent cloud radiation model*. *Journal of Applied Meteorology.*, 31, 506-531.
- Smith, E.A. 1998. *Results of the WetNet PIP-2 Project*. *Journal Application Meteorology*. 55:1483-1536.
- Sollheim, A.L.D.L. 2008. *Two Satellite-Based Rainfall Algorithms, Calibration Methods and Post-Processing Corrections Applied To Mediterranean Flood Cases*. Tesis doctoral. Departement de física Universitat de Les Illes Balears.
- Sosrodarsono, S., Takeda, K. 1977. *Hidrologi untuk Pengairan*. Association for International Technical Promotion. Tokyo. Japan.
- Spencer, R.W. 1986. *A satellite passive 37-GHz Scattering based method for measuring oceanic rain rates*. *Journal of Applied Meteorology*, 25, 745-766.
- Spencer, R.W., Goodman, H.M., Wood, R.E. 1989. *Precipitation retrieval over land and ocean with SSM/I. Part I : Identification and characteristics of the scattering signal*. *Journal Atmosphere Ocean Technology*. 6:254-273.
- Suk, M.K., Chang, K.H., Nam, K.Y., Kim, K.L., You, C.H., Lee, J.H., Woo, D.M., Won, H., Kim, E.Y. 2008. *Realtime Quantitative Precipitation*

- Estimation Using Radar Reflectivity Over the Korean Peninsula*. The Fifth European Conference on Radar in Meteorology and Hydrology. ERAD.
- Supari. 2012. Spatiotemporal Characteristic of Extreme Rainfall Events over Java Island, Indonesia Case : East Java Province. *Thesis Double Degree* Program UGM-ITC. Yogyakarta.
- Tantane, S. 2007. *GIS Based Probability Technique for ZR relationship Analysis*. *Journal of Research in Engineering and Technology*. Faculty of Engineering. Kasetsart University.
- Takeuchi, W., Yasuoka, Y. 2009. *Precise Geometric Correction of MTSAT Imagery*. Institute of Industrial Science. University of Tokyo. Japan.
- Tjasjono, B. 1999. *Klimatologi Umum*. Institut Teknologi Bandung (ITB). Bandung. Indonesia.
- Tod, M.C., Barret, E.C., Beaumont M.J., Bellerby, T.J. 1999. *Estimation of Daily Rainfall Over the Upper Nile River Basin Using a Continuously Calibrated Satellite Infrared Technique*. *Met App*. 6:201-210.
- Toth, E., Brath, A., Montanari, A. 2000. Comparison of short-term rainfall prediction models for real-time flood forecasting. *Journal of Hydrology* vol 239 pp 132-147.
- Trewarta dan Horn. 1995. *Pengantar Iklim*. Gadjah Mada University Press. Yogyakarta.
- Tsonis, A.A., Isaac, G.A. 1985. *A new approach for instantaneous rain area delineation in midlatitude using GOES data*. *Journal of Applied Meteorology*, 23, 1939-1410.
- Turk, F.J., Marzano, F.S., Smith, E.A. 1998a. *Combining Geostationary and SSM/I Data for Rapid Rain Rate Estimation and Accumulation*. *American Meteorological Society*. 462-
- Turk, F.J., Marzano, F.S., Smith, E.A., Mugnai, A. 1998b. *Using Coincident SSM/I and Infrared Satellite Data for Rapid Updates of Rainfall*. *Proceeding IGARSS'98-Sensing and Managing the Environment Symposium*, IEEE. ISBN 0-783-4406-5.
- Vincente, G.A., Anderson, J.R. 1994. *A New Rain Retrieval Technique That Combines Geosynchronous IR and MW Polar Orbit Data for Hourly Rainfall Estimates*. 7th Conference Satellite Meteorology and Oceanography, AMS, pp 34-37.
- Vincente, G.A., Scofield, R.A., Menzel W.P. 1998. *The Operational GOES Infrared Rainfall Estimation Technique*. *Bulletin American Meteorology and Society*. 79:1883-1898
- Vulpiani, G., Giangrande, S., Marzano, F.S. 2008. *Raindrop Size Distribution and Rainfall Retrieval from S-band Radar Measurement : Validation of a Neural Network Approach*. The Fifth European Conference on Radar in Meteorology and Hydrology. ERAD.
- Wang, W., Chen, X., Shi, P., Gelder, P.H.A.J.M. 2008. *Detecting Changes in Extreme Precipitation and Extreme Streamflow in the Dongjiang River Basin in Southern China*. *Journal of Hydrology and Earth System Sciences*, 12, 207-221.

- Ware, E.C. 2005. *Corrections To Radar Estimated Precipitation Using Observed Rain Gauge Data. Thesis*. University of Oklahoma.
- Weng, F., Zhao, L., Poe, G., Ferraro, R.R., Li, X., Grody, N.C. 2003. *AMSU Cloud and precipitation Algorithms*. Radio Science. 38, 8068-8079.
- Wesson, M., Pegram, G.S. 2006. *Improved Radar Rainfall Estimation at Ground Level*. Natural Hazard Earth System Sciences. 6. 323-342.
- Wilson J.W., Pollock, D.M. 1975. *Rainfall Measurements During Hurricane Agnes by Three Overlapping Radars*. *Journal of Applied Meteorology*. Vol 13. No 8.
- Wilson, J.W., Brandes, E.A. 1979. *Radar Measurement of Rainfall*. *Summary Bulletin of American Meteorology Society*. Vol 60, No. 9. pp 1048-1058.
- WMO (World Meteorological Organization). 2006. *Training Material on Weather Radar System*. Instrument an Observation Methods Report No. 88.
- World Weather Research Program, 2009. "Recommendations for the verification and intercomparison of QPFs and PQPFs from operational NWP models. WMO Geneva, Switzerland, publishe
- Wood, S.J., Jones, D.A., Moore, R.J. 2000. *Static and Dinamic Calibration of Radar Data for Hydrological Use*. *Hydrology and Earth System Science*, 4(4), 545-554.
- World Weather Research Program, 2009. "Recommendations for the verification and intercomparison of QPFs and PQPFs from operational NWP models. WMO Geneva, Switzerland, publishe
- Xin, L., Reuter, G. 1997. *Reflectivity-Rain Rate Relationship for Convective Rainshowers in Edmonton*. *Atmosphere Ocean*, 35(4), 513-521
- Xu, L., Gao, X., Sorooshian, S., Arkin, P.A., Imam, B. 1999. *A Microwave Infrared Threshold Technique to Improve the GOES Precipitation Index*. *Journal Applicated of Meteorology*. 38:369-579.
- Zawadzki, I. 1975. *On Radar - Raingage Comparison*. *Journal of Applied Meteorology*. Vol 14. Pp:1430-4036
- Zhang, Q. Chen, X., Stefan, B. 2011. *Spatio-Temporal Variations of Precipitation Extremes in the Yangtze River Basin (1960-2002)*, Cina. *Atmospheric and Climate Science*, vol 1, pp 1-8.
- Zuidam, R.A. Van. 1985. *Aerial Photo-Interpretation Terrain Analysis and Geomorphology Mapping*. Smith Publisher The Hague, ITC.

<http://www2.jpl.nasa.gov/srtm/> diunduh tanggal 12-12-2013

<http://srtm.csi.cgiar.org/> diunduh tanggal 12-12-2014

<http://weather.is.kochi-u.ac.jp/archive-e.html> diunduh tanggal 12-12-2014

<http://weather.is.kochi-u.ac.jp/sat/gms.fareast.IR1/> diunduh tanggal 12-12-2014

<http://weather.is.kochi-u.ac.jp/sat/CAL/> diunduh tanggal 12-12-2014