

REFERENCES

- Adiningsih, Erna Sri., Sri Hartati Soenarmo, S. Mujiasih (n.y). *Study of The Spatial Distribution of Temperature Changes due to Land Cover Change*. Jakarta: Bidang Pemantauan Sumberdaya Alam dan Lingkungan, Pusfatja – LAPAN.
- Allen, Richard G., Luis S. Pereira, Dirk Raes, Martin Smith.2006. *FAO Irrigation and Drainage Paper No. 56 Crop Evapotranspiration (guidelines for computing crop water requirements)*. Rome: Food and Agricultural Organization.
- Barnabe, Rakotondrina.2009. *Analysis of Urban Heat Island by Using Remote Sensing Technology in Yogyakarta City (Thesis)*. Yogyakarta: Faculty of Geography Universitas Gadjah Mada.
- Brontowiyono, Widodo., Ribut Lupiyanto, Donan Wijaya, Joe Hamidin.2010. *Urban Heat Islands Mitigation by Green Open Space (GOS) Canopy Improvement: A Case of Yogyakarta Urban Area (YUA), Indonesia*. Yogyakarta: Center for Environmental Study (PSL) Universitas Islam Indonesia.
- Brutsaert, Wilfried. 2005. *Hydrology An Introduction*. Cambridge University Press.
- Brutsaert, Wilfried.1982. *Evaporation into the Atmosphere*. Springer Science+Business Media Dordrecht.
- Buyantuyev, Alexander., Jianguo W.2010. *Urban Heat Islands and Landscape Heterogeneity: Linking Spatiotemporal Variations in Surface Temperatures to Land-cover and Socioeconomic Patterns*. Springer Landscape Ecol (2010) 25:17–33 DOI 10.1007/s10980-009-9402-4.
- Campbell Scientific Inc.2005. *Bowen Ratio Instrumentation*. Utah: Campbell

Scientific Inc.

Coll, Caésar., Joan M. Galve, Juan M. Sánchez, Vicente Caselles .2010.*Validation of Landsat-7/ETM+ Thermal Band Calibration and Atmospheric Correction With Ground-Based Measurements*. IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, VOL. 48, NO. 1, JANUARY 2010.

Effendy, Sobri.2007. *Keterkaitan Ruang Terbuka Hijau dengan Urban Heat Island Wilayah Jabotabek (Dissertation)*. Bogor: Institute Pertanian Bogor.

EPA (Environmental Protection Agency).2008. *Reducing Urban Heat Islands: Compendium of Strategies*. USA: Environmental Protection Agency.

Ffolliott, Peter F., Brooks, Kenneth N.____ . *Producing, Conserving, and Sustaining Natural Resources: The Role of Watershed Management (Paper)*. University of Arizona and University of Minnesota.

Gauthier, Michelle. 2011. *Watershed Management: Contribution of Urban and Peri Urban Forestry (Presentation)*. Cape Town: World Water Day 2011.

Golden, Jay S.2004.*The Built Environment Induced Urban Heat Island Effect in Rapidly Urbanizing Arid Regions – A Sustainable Urban Engineering Complexity*. Environmental Sciences: Taylor and Francis.

Jacobs, Jennifer M., David A. Myers, Martha C. Anderson, George R. Diak.2002. *GOES surface insolation to estimate wetlands evapotranspiration*. Journal of Hydrology 266 (2000) 53–65 Elsevier.

Jensen, J.R. 2005. *Introductory Digital Image processing: A Remote Sensing Perspective*. New Jersey: Pearson Prentice Hall.

Kaushal, Sujay S., Kenneth T. Belt, 2012. *The Urban Watershed Continuum: Evolving Spatial and Temporal Dimensions*. Published online: 1 March 2012. Springer

Science+Business Media, LLC 2012. Urban Ecosyst (2012) 15:409–435. DOI
10.1007/s11252-012-0226-7.

Kerle, N., Janssen, L.L.F., Huurneman, G.C., Bakker, W.H., Grabmaier,
K.A., Van der Mer, F.D. 2004. *Principle of Remote Sensing (ITC
Educational Textbook Series)*. Enschede : The International Institute for Geo-
Information Science and Earth Observation.

Landsberg, Helmut E. 1981. *The Urban Climate*. New York: Academic Press.

Lillesand, T.M., Kieffer, K.W.2002. *Remote Sensing and Image Interpretation*. New
York: John Wiley & Son Inc.

Liu, Lin., Yuanzhi Zhang.2011. *Urban Heat Island Analysis Using the Landsat TM
Data and ASTER Data: A Case Study in Hong Kong*. Open Access Remote
Sens. 2011, 3, 1535-1552; doi:10.3390/rs3071535.

McCarville, Dennis., Michaela Buenemann, Max Bleiweiss.2011. *Atmospheric
Correction of Landsat Thermal Infrared Data: A Calculator Based on North
American Regional Reanalysis (NARR) Data*. ASPRS 2011 Annual
Conference, Milwaukee, Wisconsin May 1-5, 2011.

NASA. News June 18th 2002. *NASA Satellite Confirms Urban Heat Islands Increase
Rainfall Around Cities*.

NASA. 2001. *Landsat 7 Handbook*. Maryland: Landsat Project Science Office.

National Disaster Management Authority.2010. *National Disaster Management
Guidelines: Management of Urban Flooding*. New Delhi: National Disaster
Management Authority, Government of India.

Nori, Wafa Mohamed Tahir. 2012. *Detection of land cover changes in El Rawashda
forest, Suand: A systematic comparison (Dissertation)*. Dresden: Faculty of

Forest, Geo and Hydro Sciences, Technical University of Dresden.

Ogashawara, Igor., Vanessa da Silva Brum Bastos.2012. *A Quantitative Approach for Analyzing the Relationship between Urban Heat Islands and Land Cover*. Open Access Remote Sens. 2012, 4, 3596-3618; doi:10.3390/rs4113596.

Oke, T.R. 1987. *Boundary Layer Climate (2nd Edition)*. New York: Methuen & Co. Ltd.

Ozbakir, A., A. Bannari. 2012. *Performance of TDVI in Urban Landuse/ cover Classification for Quality of Pace Measurement*. Toronto: ISPRS (International Society for Photogrammetry and Remote Sensing) Proceeding.

Peraturan Pemerintah No. 37 Tahun 2012 Tentang Pengelolaan Daerah Aliran Sungai.

Platt, Rutherford H. 2006. *Urban Watershed Management: Sustainability, One Stream At A Time (published in May 2006 issue of Environment Volume 48, Number 4, pages 26–42)*. Heldref Publications.

Ramandi, Fatwa., Putri Setiani.2013. *Spatio-temporal analysis of urban temperature in Bandung City, Indonesia*. New York: Springer, Urban Ecosyst DOI 10.1007/s11252-013-0332-1.

Sangkertadi, Reny Syafriny.2008. *Efforts in Muffling the Increment Rate of Urban Temperature Through Optimized-Greening Optimization*. EKOTON Vol. 8, No.2:41-48, Oktober 2008 ISSN 1412-3487.

Sarkar, Humayun.2005. *A Study of Landcover and Population Density Influences on Urban Heat Island Phenomena Using Landsat +ETM and GIS in Yogyakarta City (Thesis)*. Yogyakarta: Faculty of Geography Universitas Gadjah Mada.

Savage, Shannon L., Rick L. Lawrence, Stephan G. Custer, Jeffrey T. Jewett and Scott L. Powell, Joseph A. Shaw. 2010. *Review of Alternative Methods for*

Estimating Terrestrial Emittance and Geothermal Heat Flux for Yellowstone National Park Using Landsat Imagery. GIScience & Remote Sensing, 2010, 47, No. 4, p. 460–479. DOI: 10.2747/1548-1603.47.4.460 Bellwether Publishing, Ltd. All rights reserved.

Sun, Zhigang., Mekonnen Gebremichael, Qinxue Wang, Junming Wang, Ted W. Sammis, Alecia Nickless.2013. *Evaluation of Clear-Sky Incoming Radiation Estimating Equations Typically Used in Remote Sensing Evapotranspiration Algorithms*. Remote Sens. 2013, 5, 4735-4752; doi:10.3390/rs5104735 Open Access Remote Sensing.

Sutanto. 1986. *Penginderaan Jauh: Jilid 1*. Yogyakarta: Gajah Mada University Press.

Sutanto. 1987. *Penginderaan Jauh: Jilid 2*. Yogyakarta: Gajah Mada University Press.

Tauhid.2008. *Study the Effects of Extend of Vegetation Stand on Daylight Temperature in Urban Area (Thesis)*.Semarang: Pogram Studi Ilmu Lingkungan Program Pascasarjana Universitas Diponegoro.

Teixeira, A.H. de C., W.G.M. Bastiaanssen, M.D. Ahmad, M.G. Bos.2009. *Reviewing SEBAL input parameters for assessing evapotranspiration and water productivity for the Low-Middle Sao Francisco River basin, Brazil Part A: Calibration and validation*. doi:10.1016/j.agrformet.2008.09.016 Elsevier.

Tizado, E. Jorge. 2003. *Calculates Top-of-Atmosphere Radiance or Reflectance and Temperature for Landsat MSS/TM/ETM+/OLI*. Grass GIS Manual (Web version).

Urbanski, Jacek.2014. *Integration of GEOBIA with GIS for Semi-automatic Land Cover Mapping from Landsat 8 Imagery*. Presented at 5th GEOBIA conference 21 – 24 May in Thessaloniki.

USGS.2013a. *Landsat Product*. http://landsat.usgs.gov/Landsat8_Using_Product.php

USGS.2013b. *Landsat 8*. <http://landsat.usgs.gov/landsat8.php>

Viegas, Cláudia V., Dejanira Luderitz Salandha, Alan Bond, José Luis Duarte Ribeiro,

Paulo M. Selig.2013. *Urban Land Planning: The Role of a Master Plan in*

Influencing Local Temperatures. Elsevier

<http://dx.doi.org/10.1016/j.cities.2013.05.006>.

Voogt, James._____.*How Researchers Measure Urban Heat Islands* (www.epa.gov).

Canada: Departement of Geography Univeristy of Ontario.

Wang, Kaicun., Zhanqing Li, M. Cribb.2006. *Estimation of Evaporative Fraction from*

a Combination of Day and Night Land Surface Temperatures and NDVI: A New

Method to Determine the Priestley–Taylor Parameter. Remote Sensing of

Environment 102 (2006) 293–305 (Elsevier).

Waters, Ralf., Richard Allen, Wim Bastiaanssen, Masahiro Tasumi, Ricardo

Trezza.2002. *Surface Energy Balance Algorithms for Land (SEBAL) Idaho*

Implementation: Advanced Training and Users Manual. Idaho: The Idaho

Department of Water Resources.

Weeks, John R. 2010. *Remote Sensing of Urban and Suburban Areas* (Rashed, T &

Jurgens, C. Eds). New York: Springer.

Weng, Q. 2001. *A remote sensing –GIS evaluation of urban expansion and its impact*

on surface temperatue in the Zhujiang Delta. Int. J. Remote sensing, 2001.

22(10): 1999-2014.

Weng, Qihao., Dengsheng Lub, Jacquelyn Schubring.2003. *Estimation of land surface*

temperature–vegetation abunandce relationship for urban heat island studies.

doi:10.1016/j.rse.2003.11.005 Remote Sensing of Environment (Elsevier).

Wonorahardjo, Surjamanto.2012. *New Concepts in Districts Planning, Based on Heat Island Investigation*. Elsevier doi: 10.1016/j.sbspro.2012.03.026.

Zhang, X.X., P. F. Wu, B. Chen.2010. *Relationship Between Vegetation Greenness and Urban Heat Island Effect in Beijing City of China*. Elsevier doi:10.1016/j.proenv.2010.10.157.