

DAFTAR PUSTAKA

- Anonim. 2016. “BPBD Bahas Antisipasi Kekeringan”. Available at <http://www.bimakini.com/2016/09/bpbd-bahas-antisipasi-kekeringan/>. Diakses pada tanggal 30 september 2016.
- _____. 2017. “Kekeringan Mulai Melanda Bima”. Available at <http://www.suarantb.com/news/2017/05/24/239008/Kekeringan.Mulai.Melanda.Bima>. Diakses pada tanggal 9 september 2017.
- _____. 2017. “Ratusan Desa Terdampak Kekeringan, Bima Terparah”. Available at <http://www.suarantb.com/news/2017/08/09/243399/Ratusan.Desa.Terdampak.Kekeringan,Bima.Terparah>. Diakses pada tanggal 9 september 2017.
- _____. 2017. “8.203 KK Terdampak Kekeringan di Bima, Donggo Terparah”. Available at <http://www.suarantb.com/news/2017/08/11/243495/8.203.KK.Terdampak.Kekeringan.di.Bima,Donggo.Terparah>. Diakses pada tanggal 9 september 2017.
- Andhika, R. 2015. “Penyebab dan Dampak Kekeringan, serta Cara Penanggulangannya”. Available at: <http://skedrcoretan.blogspot.co.id/2015/08/dampak-kekeringan-bagi-pertanian-dan.html>. Diakses pada tanggal 21 April 2017.
- Anisa, Miranti. 2011. “Identifikasi Lahan Pertanian Rawan Kekeringan Dengan Metode Sistem Informasi Geografis (Studi Kasus Kabupaten Indramayu, Provinsi Jawa Barat)”. Naskah Publikasi. Departemen Ilmu Tanah dan Sumberdaya Lahan Fakultas Pertanian Institut Pertanian Bogor.
- Anshari, Muhammad Hasbi. 2014. “Identifikasi Daerah Rawan Bencana Kekeringan Dengan Memanfaatkan Sistem Informasi Geografis (Studi Kasus: Kabupaten Tanah Bumbu, Kalimantan Selatan)”. Naskah Publikasi. Fakultas Teknik Sipil dan Perencanaan, Institut Teknologi Nasional Malang.
- Azadi, H. et al. 2011. “Pollute first, clean up later?”. *Global and Planetary Change* 78, 77–82.
- Bakornas PB. 2007. “Pengenalan Karakteristik Bencana dan Upaya Mitigasinya di Indonesia Cetakan Edisi II”. Badan Koordinasi Nasional Penanggulangan Bencana (BAKORNAS PB).
- Balai Besar Penelitian dan Pengembangan Sumberdaya Lahan Pertanian. 2007. “Tanah Sawah Bukaak Baru”. Bogor: Balai Besar Penelitian dan Pengembangan Sumberdaya Lahan Pertanian.
- Banda, Muhammad. 2002. “Pembobotan Parameter dan Penentuan Keputusan”. Modul Praktikum Sistem Informasi Geografis. Jurusan Ilmu Kelautan, Fakultas Ilmu Kelautan dan Perikanan, Universitas Hasanuddin. Makassar.
- Bohle, H.G. et al. 1994. “Climate Change and Social Vulnerability: Toward a Sociology and Geography of Food Insecurity”. *Global Environmental Change* 4 (1), 37–48.

- Cholid, Sofyan. 2009. "Sistem Informasi Geografis Suatu Pengantar". Available at <http://staff.ui.ac.id/system/files/users/sofyan.cholid/material/gisdasar.pdf>. Diakses pada tanggal 31 Oktober 2016.
- Diaz et al., 2016. "Spatial and Temporal Analysis of Hydrological Drought at Catchment Scale Using a Spatially-distributed Hydrological Model". *Procedia Engineering* 154 (2016) 738–744.
- Djaali dan Muljono, P. 2007. "Pengukuran Dalam Bidang Pendidikan". Jakarta: Grasindo.
- ESRI. 2010. "ModelBuilder: Creating Tools Tutorial". Available at: <http://help.arcgis.com/en/arcgisdesktop/10.0/pdf/creating-tools-in-modelbuilder-tutorial.pdf>. Diakses pada tanggal 20 Februari 2018.
- Fontaine, M.M., and Steinemann, A.C. 2009. "Assessing Vulnerability to Natural Hazards: Impact-based Method and Application to Drought in Washington State". *Nat. Hazards Review*. NHR 10, 11-18.
- Ford and Labosier. 2017. "Meteorological conditions associated with the onset of flash drought in the Eastern United States". *Agricultural and Forest Meteorology* 247 (2017) 414–423.
- Fotheringham, Stewart and Peter Rogerson (ed.). 2015. "Spatial Analysis and GIS". London: Taylor & Francis Ltd.
- Goddard et al. 2005. "Geospatial Decision Support for Drought Risk Management". *Communications of the ACM* 46, 35-37. University of Nebraska.
- Hayes, M. et al. 2011. "The Lincoln Declaration on Drought Indices: Universal Meteorological Drought Index Recommended". *Bulletin of the American Meteorological Society*, 92(4), 485-488.
- IFRC (*International Federation of Red Cross*). 1999. "Vulnerability and Capacity Assessment". An International Federation Guide. IFRC, Switzerland.
- Jamil, Dzulfikar Habibi. 2013. "Deteksi Potensi Kekeringan Berbasis Penginderaan Jauh dan Sistem Informasi Geografis Di Kabupaten Klaten". Naskah Publikasi. Jurusan Geografi Fakultas Ilmu Sosial Universitas Negeri Semarang.
- Jia et al. 2016. "Drought Risk Analysis of Maize Under Climate Change Based on Natural Disaster System Theory in Southwest China". *Acta Ecologica Sinica* 36 (2016) 340–349.
- Kabupaten Bima Dalam Angka Tahun 2012. Kantor BPS Kabupaten Bima, 2012.
- _____. 2013. Kantor BPS Kabupaten Bima, 2013.
- _____. 2014. Kantor BPS Kabupaten Bima, 2014.
- _____. 2015. Kantor BPS Kabupaten Bima, 2015.
- _____. 2016. Kantor BPS Kabupaten Bima, 2016.
- _____. 2017. Kantor BPS Kabupaten Bima, 2017.
- Kim, Hungsoo et al. 2015. "Assessment of Drought Hazard, Vulnerability, and Risk: A Case Study for Administrative Districts in South Korea". *Journal of Hydro-environment Research* 9 (2015) 28-35.
- Knutson, C, et al. 1998. "How to Reduce Drought Risk: A Guide Prepared by The Preparedness and Mitigation Working Group of the Western Drought Coordination Council". National Drought Mitigation Center, Lincoln, Nebraska.

- Lestari, Dwitantri. 2016. “*Kerentanan Bencana Kekeringan Secara Spasial Sektor Pertanian di Kecamatan Bringin Kota Semarang*”. Naskah Publikasi. Jurusan Perencanaan Wilayah dan Kota, Fakultas Teknik, Universitas Diponegoro. Semarang.
- Lin, M.L. et al. 2011. “*Drought Risk Assessment in Western Inner-Mongolia*”. *Int. J. Environ. Res.* 5 (1), 139-148.
- Loon, A.F. 2015. “*Hydrological Drought Explained*”. *Wiley Interdiscip. Rev. Water.* 2, 359–392.
- Martin, David. 1996. “*Geographic Information System*”. Second Edition. London: Routledge.
- Maskrey, A. 1989. “*Disaster Mitigation: A Community Based Approach*”. Oxford: Oxfam.
- Mathbout et al., 2017. “*Spatial and Temporal Analysis of Drought Variability at Several time Scales in Syria During 1961–2012*”. *Atmospheric Research* 200 (2017) 153–168.
- Metode Pemetaan Risiko Bencana Provinsi Daerah Istimewa Yogyakarta Tahun 2008. Bappeda DIY, 2008.
- Mohammed, R. and Miklas Scholz. 2017. “*Impact of Evapotranspiration Formulations at Various Elevations on The Reconnaissance Drought Index*”. *Water Resour. Manag.* 31 (1), 531–548.
- Mohr, E.C.J. 1933. “*De Bodem der Tropen in Het Algemeen, en Die van Nederlandsch-Indie in Het Bijzonder (Tanah-tanah di Daerah Tropis, Dengan Rujukan Khusus di Hindia Belanda)*”. Bogor: Pusat Penelitian Tanah dan Agroklimat.
- Naumann, Gustavo et al. 2016. “*Mapping global patterns of drought risk: An empirical framework based on sub-national estimates of hazard, exposure and vulnerability*”. *Global Environmental Change* 39 (2016) 108–124.
- Nurjanah et al. 2011. “*Manajemen Bencana*”. Cetakan Pertama. Bandung: Penerbit Alfabeta.
- Okada, et al. 2004. “*Integrated Research on Methodological Development of Urban Diagnosis for Disaster Risk and its Applications*”. *Annual of Disaster Prevention Research Institute, Kyoto University*, No. 47C (2004) 1–8.
- Paimin et al. 2010. “*Sidik Cepat Degradasi Sub Daerah Aliran Sungai (Sub DAS)*”. Cetakan Kedua. Pusat Penelitian dan Pengembangan Hutan dan Konservasi Alam. Badan Penelitian dan Pengembangan Kehutanan Bogor. Bogor.
- Paavola, J. 2008. “*Livelihood, Vulnerability and Adaptation to Climate Change in Morogoro, Tanzania*”. *Environmental Science & Policy* 11(7), 624–654.
- Peraturan Kepala BNPB Nomor 4 Tahun 2008 Tentang Pedoman Penyusunan Rencana Penanggulangan Bencana. Badan Nasional Penanggulangan Bencana, 2008.
- _____. 2012. Peraturan Kepala BNPB Nomor 2 Tentang Pedoman Umum Pengkajian Risiko Bencana. Badan Nasional Penanggulangan Bencana, 2012.

- Prabowo, Kuku. 2016. "Analisis Risiko Bencana Kekeringan di Kabupaten Klaten". Naskah Publikasi. Fakultas Geografi, Universitas Muhammadiyah Surakarta.
- Prahasta, Eddy. 2009. "Sistem Informasi Geografis Konsep-konsep Dasar (Perspektif Geodesi dan Geomatika)". Cetakan Pertama. Bandung: Penerbit Informatika.
- Pujiono, Eko dan Retno Setyowati. 2015. "Penilaian Tingkat Kerentanan Sumber Daya Air Terhadap Variabilitas Iklim di DAS Aesesa, Pulau Flores, Nusa Tenggara Timur". Kupang: Balai Penelitian Kehutanan Kupang.
- Puntodewo, A. et al. 2003. "Sistem Informasi Geografis Untuk Pengelolaan Sumber Daya Alam". Jakarta: Center for International Forestry Research (CIFOR).
- Purnamawati, I. 2013. "Analisis Rawan Kekeringan Lahan Pertanian Tanaman Pangan Dengan Memanfaatkan Citra Quickbird dan Sistem Informasi Geografis Kabupaten Bantul 2012". Naskah Publikasi. Fakultas Geografi Universitas Muhammadiyah Surakarta.
- Raharjo, P. D. 2010. "Teknik Penginderaan Jauh dan Sistem Informasi Geografis untuk Identifikasi Potensi Kekeringan". Makara, Teknologi, 14 (2): 97-105.
- Ramadhan, Muharrar. 2016. "Kerentanan Kekeringan di Kabupaten Grobogan". Naskah Publikasi. Jurusan Perencanaan Wilayah dan Kota, Fakultas Teknik, Universitas Diponegoro, Semarang.
- Reed, S. B. 1995. "Pengantar tentang Bahaya (Program Pelatihan Manajemen Bencana UNDP)". New York: United Nations Development Programme.
- Rudi, L.M. et al. 2012. "Reconcilability of Socio-Economic Development Enhancement and Environmental Improvement in The Context of Sub-Saharan Africa". Global and Planetary Change 86–87 (2012), 1–10.
- Shahid, S. and Behrawan, H. 2008. "Drought Risk Assessment in The Western Part of Bangladesh". Natural Hazards 46, 391-413. Department of Geoinformatics, Hydrology and Modelling, Institute of Geography, Friedrich-Schiller-Universita't Jena, Germany.
- Sonjaya, Irman. 2007. "Analisa Standardized Precipitation Index (SPI) di Kalimantan Selatan". Stasiun Klimatologi Banjarbaru. Banjarbaru.
- Stagge et al. 2015. "Modeling Drought Impact Occurrence Based on Meteorological Drought Indices in Europe". *Journal of Hydrology* 530 (2015) 37–50.
- Susanto, Aditya Dhani. 2014. "Analisis Tingkat Rawan Kekeringan Lahan Sawah Dengan Pemanfaatan Penginderaan Jauh dan Sistem Informasi Geografis Di Kabupaten Sragen Tahun 2014". Naskah Publikasi. Fakultas Geografi Universitas Muhammadiyah Surakarta.
- Syarifuddin, 2016. "Diintai Kekeringan, 9 Kecamatan di Bima Alami Kekurangan Air Bersih". Available at <http://regional.kompas.com/read/2016/09/07/19290081/diintai.kekeringan.9.kecamatan.di.bima.alami.kekurangan.air.bersih>. Diakses pada tanggal 30 September 2016.
- Undang-Undang Nomor 24 Tahun 2007 Tentang Penanggulangan Bencana. Republik Indonesia, 2007.

- UN-ISDR. 2004. *Living with Risk: A Global Review of Disaster Reduction Initiatives*. Volume I. United Nations. New York and Geneva.
- Valverde-Arias et al., 2018. "Using Geographical Information System to Generate a Drought Risk Map for Rice Cultivation: Case Study in Babahoyo Canton (Ecuador)". *Biosystems Engineering* 168 (2018) 26-41.
- Verdon-Kidd, D.C. and Kiem, A.S. 2010. "Quantifying Drought Risk in a Nonstationary Climate". *Journal Hydrometeorol.* 11, 1019-1031.
- Vicente-Serrano, et al. 2012. "Challenges for Drought Mitigation in Africa: The Potential Use of Geospatial Data and Drought Information Systems". *Applied Geography* 34 (2012) 471-486.
- Widyawati, Lenny. 2016. "Tingkat dan Sebaran Risiko Bencana Kekeringan di Kecamatan Kokap Kabupaten Kulonprogo". Naskah Publikasi. Program Studi Pendidikan Geografi Universitas Negeri Yogyakarta.
- Wilhelmi, O.V. and Wilhite, D.A. 2002. "Assessing Vulnerability to Agriculture Drought: A Nebraska Case Study". *Natural Hazards* 25, 37-58.
- Wilhite, D.A. 2000. "Drought as A Natural Hazard: Concepts and Definitions". University of Nebraska. Routledge, London.
- Wilhite, D. A. and Michael H. Glantz. 1985. "Understanding the Drought Phenomenon: The Role of Definitions". *Water International* 10:3 (1985), pp. 111-120. University of Nebraska.
- Wilhite, D. A. and Svoboda, M. D. 2000. "Drought Early Warning Systems in The Context of Drought Preparedness and Mitigation". In *Early Warning Systems for Drought Preparedness and Drought Management* (pp. 1-21). Lisboa: World Meteorological Organization.
- Wisner, B. et al. 2003. "At Risk: Natural Hazards, Peoples Vulnerability, and Disasters". Second Edition. Routledge, London.
- Wu, H. and Wilhite, D.A. 2004. "An Operational Agricultural Drought Risk Assessment Model for Nebraska, USA". *Natural Hazards* 33, 1-21. National Drought Mitigation Center, University of Nebraska-Lincoln.
- Yan, J. 2010. "Disaster Risk Assessment: Disaster Risk Mapping". *Training Workshop on Drought Risk Assessment for the Agricultural Sector – Ljubijana, Slovenia*. Sept 20-24, 2010.
- Zarafshani et al. 2012. "Drought Vulnerability Assessment: The Case of Wheat Farmers in Western Iran". *Global and Planetary Change* 98-99 (2012) 122-130.
- Zhang, Jiquan. 2004. "Risk assessment of drought disaster in the maize-growing region of Songliao Plain, China". *Agriculture, Ecosystems and Environment* 102 (2004) 133-153.