

## DAFTAR PUSTAKA

- Aldrian, E., & Susanto, D. R. (2003). Identification of three dominant rainfall regions within Indonesia and their relationship to sea surface temperature. *International Journal of Climatology*, 23(12), 1435–1452. <https://doi.org/10.1002/joc.950>
- Badan Nasional Penanggulangan Bencana. Peraturan Kepala Badan Nasional Penanggulangan Bencana Nomor 02 Tahun 2012 Tentang Pedoman Umum Pengkajian Risiko Bencana (2012).
- Badan Nasional Penanggulangan Bencana. Peraturan Kepala Badan Nasional Penanggulangan Bencana Nomor 03 Tahun 2012 Tentang Panduan Penilaian Kapasitas Daerah dalam Penanggulangan Bencana (2012).
- Badan Pusat Statistik RI. (2011). Sensus Penduduk 2010. Diambil dari <https://sp2010.bps.go.id/>
- Badan Pusat Statistik RI. (2013). *Proyeksi Penduduk Indonesia 2010-2035*. Bps. Jakarta: Badan Pusat Statistik RI.
- Badan Pusat Statistik RI. (2018). *Indeks Pembangunan Teknologi Informasi dan Komunikasi (IP-TIK) Tahun 2017*.
- Baiquni, M., Sinulingga, R., & Cahyadi, F. D. (2015). Gotong Royong dan Peranannya dalam Rekonstruksi Pascabencana di Tingkat Pedukuhan/Kampung. In *Modal Sosial dalam Manajemen Bencana* (hal. 143–173). Yogyakarta: Gadjah Mada University Press.
- Benson, C., Twigg, J., & Rossetto, T. (2007). *Tools for Mainstreaming Disaster Risk: Guidance Notes for Development Organisations*. Diambil dari [www.proventionconsortium.org](http://www.proventionconsortium.org)
- Blank, G., & Lutz, C. (2017). Representativeness of Social Media in Great Britain: Investigating Facebook, LinkedIn, Twitter, Pinterest, Google+, and Instagram. *American Behavioral Scientist*, 61(7), 741–756. <https://doi.org/10.1177/0002764217717559>

- Bureau of Meteorology Australian Government. (2017). Southern Hemisphere Tropical Cyclone Data Portal. Diambil 31 Juli 2019, dari <http://www.bom.gov.au/cyclone/history/tracks/index.shtml>
- Chambers, R., & Conway, G. (1991). Sustainable rural livelihoods: practical concepts for the 21st century. *IDS Discussion Paper*. [https://doi.org/ISBN 0 903715 58 9](https://doi.org/ISBN%20903715589)
- Coetzee, S., Steiniger, S., Köbben, B., Iwaniak, A., Kaczmarek, I., Rapant, P., ... Moellering, H. (2017). *Advances in Cartography and GIScience*. (M. P. Peterson, Ed.), *Lecture Notes in Geoinformation and Cartography*. Cham: Springer International Publishing. <https://doi.org/10.1007/978-3-319-57336-6>
- Collier, C. G. (2016). *Hydrometeorology*. John Wiley & Sons, Inc.
- Debora, Y. (2017). Dampak Siklon Cempaka Yogyakarta dan Asal-Usul Nama Badai. Diambil 10 Juli 2019, dari <https://tirto.id/dampak-siklon-cempaka-yogyakarta-dan-asal-usul-nama-badai-cAVz>
- Deng, Q., Liu, Y., Zhang, H., Deng, X., & Ma, Y. (2016). A new crowdsourcing model to assess disaster using microblog data in typhoon Haiyan. *Natural Hazards*, 84(2), 1241–1256. <https://doi.org/10.1007/s11069-016-2484-9>
- Department for International Development. (1999). *Sustainable livelihoods guidance sheets*. London. Diambil dari [www.dfid.gov.uk/](http://www.dfid.gov.uk/)
- Desnikia, S. (2017). Siklon Tropis Cempaka di Pacitan, BNPB: 25 Orang Meninggal 1 Hilang. Diambil 23 Januari 2019, dari <https://news.detik.com/berita/d-3755597/siklon-tropis-cempaka-di-pacitan-bnpb-25-orang-meninggal-1-hilang>
- Djalante, R., Garschagen, M., Thomalla, F., & Shaw, R. (2017). Introduction: Disaster Risk Reduction in Indonesia: Progress, Challenges, and Issues. In R. Djalante, M. Garschagen, F. Thomalla, & R. Shaw (Ed.), *Disaster Risk Reduction in Indonesia: Progress, Challenges, and Issues* (hal. 1–17). Cham: Springer International Publishing. [https://doi.org/10.1007/978-3-319-54466-3\\_1](https://doi.org/10.1007/978-3-319-54466-3_1)

- Djarmiko, H. T. (2017). Waspada Hujan Lebat dan Gelombang Tinggi Dampak Terbentuknya Dua Bibit Siklon Tropis di Sekitar Wilayah Indonesia. Diambil 27 Januari 2019, dari <http://www.bmkg.go.id/berita/?p=waspada-hujan-lebat-dan-gelombang-tinggi-dampak-terbentuknya-dua-bibit-siklon-tropis-di-sekitar-wilayah-indonesia&lang=ID&tag=press-release>
- Fang, J., Hu, J., Shi, X., & Zhao, L. (2018). Assessing disaster impacts and response using social media data in China: A case study of 2016 Wuhan rainstorm. *International Journal of Disaster Risk Reduction*. <https://doi.org/10.1016/J.IJDRR.2018.11.027>
- Frazier, T. G., Thompson, C. M., & Dezzani, R. J. (2014). A framework for the development of the SERV model: A Spatially Explicit Resilience-Vulnerability model. *Applied Geography*, 51, 158–172. <https://doi.org/10.1016/j.apgeog.2014.04.004>
- Ghosh, S., Ghosh, K., Ganguly, D., Chakraborty, T., Jones, G. J. F., Moens, M. F., & Imran, M. (2018). Exploitation of Social Media for Emergency Relief and Preparedness: Recent Research and Trends. *Information Systems Frontiers*, 20(5), 901–907. <https://doi.org/10.1007/s10796-018-9878-z>
- Goodman, R. M., Speers, M. A., Mcleeroy, K., Fawcett, S., Kegler, M., Parker, E., ... Wallerstein, N. (1998). Identifying and Defining the Dimensions of Community Capacity to Provide a Basis for Measurement. *Health Education & Behavior*, 25(3), 258–278. <https://doi.org/10.1177/109019819802500303>
- Guan, X., & Chen, C. (2014). Using social media data to understand and assess disasters. *Natural Hazards*, 74(2), 837–850. <https://doi.org/10.1007/s11069-014-1217-1>
- Han, J., Kamber, M., & Pei, J. (2011). *Data Mining. Concepts and Techniques, 3rd Edition (The Morgan Kaufmann Series in Data Management Systems)*. Diambil dari <http://myweb.sabanciuniv.edu/rdehkharghani/files/2016/02/The-Morgan-Kaufmann-Series-in-Data-Management-Systems-Jiawei-Han-Micheline-Kamber-Jian-Pei-Data-Mining.-Concepts-and-Techniques-3rd-Edition-Morgan-Kaufmann-2011.pdf>

- Harianto, S. (2017). 3 Korban Tanah Longsor di Pacitan Kembali Ditemukan, 2 Masih Hilang. Diambil 6 Oktober 2019, dari [https://news.detik.com/berita-jawa-timur/d-3754516/3-korban-tanah-longsor-di-pacitan-kembali-ditemukan-2-masih-hilang?utm\\_source=twitter&utm\\_medium=oa&utm\\_content=detikcom&utm\\_campaign=cmsocmed&utm\\_source=twitter&utm\\_medium=oa&utm\\_content=detikcom&utm\\_ca](https://news.detik.com/berita-jawa-timur/d-3754516/3-korban-tanah-longsor-di-pacitan-kembali-ditemukan-2-masih-hilang?utm_source=twitter&utm_medium=oa&utm_content=detikcom&utm_campaign=cmsocmed&utm_source=twitter&utm_medium=oa&utm_content=detikcom&utm_ca)
- Henly-Shepard, S., Anderson, C., Burnett, K., Cox, L. J., Kittinger, J. N., & Ka'aumoana, M. (2015). Quantifying household social resilience: a place-based approach in a rapidly transforming community. *Natural Hazards*, 75(1), 343–363. <https://doi.org/10.1007/s11069-014-1328-8>
- Hui, L. H. D., & Tsang, P. K. E. (2016). Everyday Knowledge and Disaster Management: The Role of Social Media. In M. Robertson & P. K. E. Tsang (Ed.), *Everyday Knowledge, Education and Sustainable Futures: Transdisciplinary Approaches in the Asia-Pacific Region* (hal. 107–121). Singapore: Springer Singapore. [https://doi.org/10.1007/978-981-10-0216-8\\_8](https://doi.org/10.1007/978-981-10-0216-8_8)
- IPCC. (2013). *Summary for Policymakers: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the IPCC*. Cambridge: Cambridge University Press.
- Islahuddin. (2017). Cempaka dan Dahlia, anomali siklon tropis Indonesia. Diambil 27 Januari 2019, dari <https://beritagar.id/artikel/berita/cempaka-dan-dahlia-anomali-siklon-tropis-indonesia>
- Ispranoto, T. (2017). Longsor, 4 Perjalanan Kereta Api dari dan ke Bandung Tertahan. Diambil 8 Oktober 2019, dari <https://news.detik.com/berita-jawa-barat/d-3738569/longsor-4-perjalanan-kereta-api-dari-dan-ke-bandung-tertahan>
- Jamali, M., Nejat, A., Ghosh, S., Jin, F., & Cao, G. (2019). Social media data and post-disaster recovery. *International Journal of Information Management*, 44, 25–37. <https://doi.org/10.1016/j.ijinfomgt.2018.09.005>
- Javadinejad, S., Eslamian, S., Ostad-Ali-Askari, K., Nekooei, M., Azam, N.,

- Talebmorad, H., ... Mousavi, M. (2019). Relationship Between Climate Change, Natural Disaster, and Resilience in Rural and Urban Societies. In *Handbook of Climate Change Resilience* (hal. 1–25). Cham: Springer International Publishing. [https://doi.org/10.1007/978-3-319-71025-9\\_189-1](https://doi.org/10.1007/978-3-319-71025-9_189-1)
- Jiang, X., Ren, F., Li, Y., Qiu, W., Ma, Z., & Cai, Q. (2018). Characteristics and Preliminary Causes of Tropical Cyclone Extreme Rainfall Events over Hainan Island. *Advances in Atmospheric Sciences*, 35(5), 580–591. <https://doi.org/10.1007/s00376-017-7051-0>
- Kementerian Komunikasi dan Informatika Republik Indonesia. (2016). *Infografis Indikator TIK 2016*. Jakarta: Pusat Penelitian dan Pengembangan SDPPPI.
- Kementerian Komunikasi dan Informatika Republik Indonesia. (2017). *Survei Pengguna TIK 2017*. Jakarta: Pusat Penelitian dan Pengembangan Aplikasi Informatika dan Informasi dan Komunikasi Publik.
- Kemp, S. (2018). Digital in 2018: World's Internet Users Pass The 4 Billion Mark. Diambil 23 Januari 2019, dari <https://wearesocial.com/blog/2018/01/global-digital-report-2018>
- Kholid, I. (2017). BNPB: 19 Orang Meninggal Akibat Cuaca Ekstrem Siklon Cempaka. Diambil 27 Januari 2019, dari [https://news.detik.com/berita/d-3748226/bnpb-19-orang-meninggal-akibat-cuaca-ekstrem-siklon-cempaka?\\_ga=2.262005965.1928487327.1548580294-1608470080.1548580294](https://news.detik.com/berita/d-3748226/bnpb-19-orang-meninggal-akibat-cuaca-ekstrem-siklon-cempaka?_ga=2.262005965.1928487327.1548580294-1608470080.1548580294)
- Kim, J., & Hastak, M. (2018). Social network analysis: Characteristics of online social networks after a disaster. *International Journal of Information Management*, 38(1), 86–96. <https://doi.org/10.1016/j.ijinfomgt.2017.08.003>
- Kryvasheyev, Y., Chen, H., Obradovich, N., Moro, E., Van Hentenryck, P., Fowler, J., & Cebrian, M. (2016). Rapid assessment of disaster damage using social media activity. *Science Advances*, 2(3). <https://doi.org/10.1126/sciadv.1500779>
- Kurniawan, D. (2017). 5 Jalur yang Terputus Banjir Pacitan. Diambil 23 Januari

2019, dari <https://www.liputan6.com/regional/read/3181118/5-jalur-yang-terputus-banjir-pacitan>

Kurniawan, T. (2017). Siklon Tropis “CEMPAKA” Lahir, Siaga Cuaca Ekstrem 3 Hari Ke Depan. Diambil 26 Januari 2019, dari <http://www.bmkg.go.id/press-release/?p=siklon-tropis-cempaka-waspadai-hujan-lebat-disertai-angin-kencang-dan-gelombang-tinggi-di-wilayah-selatan-indonesia&tag=press-release&lang=ID>

Kurniawati, E. (2017). BNPB: Banjir dan Longsor Pacitan Merusak Seribuan Bangunan. Diambil 23 Januari 2019, dari <https://nasional.tempo.co/read/1038640/bnpb-banjir-dan-longsor-pacitan-merusak-seribuan-bangunan/full&view=ok>

Kusuma, H. (2017). Jokowi: Pembangunan Belum Sepenuhnya Merata. Diambil 16 September 2019, dari <https://finance.detik.com/berita-ekonomi-bisnis/d-3601629/jokowi-pembangunan-belum-sepenuhnya-merata>

Landwehr, P. M., & Carley, K. M. (2014). Social Media in Disaster Relief. In W. W. Chu (Ed.), *Data Mining and Knowledge Discovery for Big Data: Methodologies, Challenge and Opportunities* (hal. 225–257). Berlin, Heidelberg: Springer Berlin Heidelberg. [https://doi.org/10.1007/978-3-642-40837-3\\_7](https://doi.org/10.1007/978-3-642-40837-3_7)

Latif, M., & Keenlyside, N. S. (2009). El Niño/Southern Oscillation response to global warming. *Proceedings of the National Academy of Sciences*, 106(49), 20578 LP – 20583. <https://doi.org/10.1073/pnas.0710860105>

MacEachren, A. M., Jaiswal, A., Robinson, A. C., Pezanowski, S., Savelyev, A., Mitra, P., ... Blanford, J. (2011). SensePlace2: GeoTwitter analytics support for situational awareness. In *2011 IEEE Conference on Visual Analytics Science and Technology (VAST)* (hal. 181–190). IEEE. <https://doi.org/10.1109/VAST.2011.6102456>

Mahardikengrat, L. (2017). 10 Potret Evakuasi Bencana Banjir di Pacitan, Semua Bahu-Membahu. Diambil 23 Januari 2019, dari <https://www.brilio.net/serius/10-potret-evakuasi-bencana-banjir-di-pacitan->

semua-bahu-membahu-171128w.html#

- Mandiri, A. (2017). BMKG: Siklon Tropis Cempaka Menuju Indonesia. Diambil 6 Oktober 2019, dari <https://www.suara.com/news/2017/11/28/0314/bmkg-siklon-tropis-cempaka-menuju-indonesia>
- Mantra, I. B. (2000). *Demografi Umum* (Kedua). Yogyakarta: Pustaka Pelajar.
- Martín, Y., Li, Z., & Cutter, S. L. (2017). Leveraging Twitter to gauge evacuation compliance: Spatiotemporal analysis of Hurricane Matthew. *PLOS ONE*, 12(7), e0181701. <https://doi.org/10.1371/journal.pone.0181701>
- Masriadi. (2017). Menelusuri Penyebab Banjir Selama Sepekan di Aceh Utara. Diambil dari <https://regional.kompas.com/read/2017/12/08/18253851/menelusuri-penyebab-banjir-selama-sepekan-di-aceh-utara?page=all>
- Nazer, T. H., Xue, G., Ji, Y., & Liu, H. (2017). Intelligent Disaster Response via Social Media Analysis - A Survey. Diambil dari <http://arxiv.org/abs/1709.02426>
- Norris, F. H., Stevens, S. P., Pfefferbaum, B., Wyche, K. F., & Pfefferbaum, R. L. (2008). Community Resilience as a Metaphor, Theory, Set of Capacities, and Strategy for Disaster Readiness. *American Journal of Community Psychology*, 41(1), 127–150. <https://doi.org/10.1007/s10464-007-9156-6>
- Pacitanku. (2017a). 1000 Tagana Dikerahkan Bersihkan Lumpur Pasca Banjir Pacitan. Diambil 7 Oktober 2019, dari <https://pacitanku.com/2017/12/08/1000-tagana-dikerahkan-bersihkan-lumpur-pasca-banjir-pacitan/>
- Pacitanku. (2017b). Lima Jalur ke Pacitan Masih Terputus Akibat Banjir dan Longsor. Diambil 18 Juli 2019, dari <https://pacitanku.com/2017/11/29/lima-jalur-ke-pacitan-masih-terputus-akibat-banjir-dan-longsor/>
- Pertiwi. (2017). Dampak Siklon Cempaka, Longsor dan Angin Kencang Melanda Magelang. Diambil 11 November 2019, dari <https://news.detik.com/berita-jawa-tengah/d-3748064/dampak-siklon-cempaka-longsor-dan-angin->



kencang-melanda-magelang

Prasongko, D. (2017). Dampak Siklon Tropis Cempaka, 11 Orang Tewas di Pacitan. Diambil 10 Juli 2019, dari <https://nasional.tempo.co/read/1037882/dampak-siklon-tropis-cempaka-11-orang-tewas-di-pacitan>

Rachma. (2017). BNPB: 13 Desa di Pacitan Terendam Banjir, 11 Warga Meninggal Dunia. Diambil 18 Juli 2019, dari <https://pacitanku.com/2017/11/28/13-desadi-pacitan-terendam-banjir/>

Rini, D. (2017). “Cempaka” Meluruh, Siklon Tropis “DAHLIA” Lahir, Waspada Bencana Hidrometeorologi Menghadang. Diambil 6 Oktober 2019, dari <http://www.bmkg.go.id/press-release/?p=cempaka-meluruh-dahlia-lahir-waspada-bencana-hidrometeorologi-menghadang&tag=press-release&lang=ID>

Safutra, I. (2017). Korban Bertambah, Masa Tanggap Darurat Pacitan Diperpanjang. Diambil 27 Januari 2019, dari <https://www.jawapos.com/nasional/humaniora/02/12/2017/korban-bertambah-masa-tanggap-darurat-pacitan-diperpanjang>

Sahroji, A. (2017). 7 Peristiwa Politik yang Jadi Sorotan Sepanjang 2017, dari Pelantikan Donald Trump sampai Pilgub Jakarta. Diambil 2 Oktober 2019, dari <https://nasional.okezone.com/read/2017/10/11/337/1793507/7-peristiwa-politik-yang-jadi-sorotan-sepanjang-2017-dari-pelantikan-donald-trump-sampai-pilgub-jakarta>

Scoones, I. (1998). Sustainable Rural Livelihoods. A Framework For Analysis. IDS Working Paper 72. *Ids*, 72(May).

Scoones, I. (2009). Livelihoods perspectives and rural development. *Journal of Peasant Studies*, 36(1), 171–196. <https://doi.org/10.1080/03066150902820503>

Shah, S. A., Şeker, D. Z., & Demirel, H. (2017). A Framework for Enhancing Real-Time Social Media Data to Improve the Disaster Management Process. In M.



- P. Peterson (Ed.), *Advances in Cartography and GIScience* (hal. 75–84). Cham: Springer International Publishing.
- Sherrieb, K., Norris, F. H., & Galea, S. (2010). Measuring Capacities for Community Resilience. *Social Indicators Research*, 99(2), 227–247. <https://doi.org/10.1007/s11205-010-9576-9>
- Simplilearn. (2019). *Data Scientist, The Numbers Game Dechiphered: A Step-By-Step Guide*.
- Subki, A. (2017). Sungai Meluap Akibat Hujan, Puluhan Hektare Sawah di Pacitan Terendam. Diambil 23 Januari 2019, dari <https://news.okezone.com/read/2017/11/19/519/1816629/sungai-meluap-akibat-hujan-puluhan-hektare-sawah-di-pacitan-terendam>
- Supari, Tangang, F., Salimun, E., Aldrian, E., Sopaheluwakan, A., & Juneng, L. (2018). ENSO modulation of seasonal rainfall and extremes in Indonesia. *Climate Dynamics*, 51(7), 2559–2580. <https://doi.org/10.1007/s00382-017-4028-8>
- Takahashi, B., Tandoc, E. C., & Carmichael, C. (2015). Communicating on Twitter during a disaster: An analysis of tweets during Typhoon Haiyan in the Philippines. *Computers in Human Behavior*, 50, 392–398. <https://doi.org/10.1016/j.chb.2015.04.020>
- Tiwari, A. (2015). Capacity for Managing Disasters. In *The Capacity Crisis in Disaster Risk Management: Why disaster management capacity remains low in developing countries and what can be done* (hal. 53–75). Cham: Springer International Publishing. [https://doi.org/10.1007/978-3-319-09405-2\\_4](https://doi.org/10.1007/978-3-319-09405-2_4)
- Tjasyono, B. (2004). *Klimatologi*. Bandung: Penerbit Institut Teknologi Bandung.
- Torrence, C., & Compo, G. P. (1998). A Practical Guide to Wavelet Analysis. *Bulletin of the American Meteorological Society*, 79, 61–78.
- Turel, O., & Serenko, A. (2012). The benefits and dangers of enjoyment with social networking websites. *European Journal of Information Systems*, 21(5), 512–528. <https://doi.org/10.1057/ejis.2012.1>

Twitter. (n.d.). Tweet geospatial metadata. Diambil 21 September 2019, dari <https://developer.twitter.com/en/docs/tutorials/tweet-geo-metadata>

United Nations Office for Disaster Risk Reduction. (2017). *Disaster Resilience Scorecard for Cities: Detailed Level Assessment*. Diambil dari [https://www.unisdr.org/campaign/resilientcities/assets/documents/guidelines/04 Detailed Assessment\\_Disaster resilience scorecard for cities\\_UNISDR.pdf](https://www.unisdr.org/campaign/resilientcities/assets/documents/guidelines/04%20Detailed%20Assessment_Disaster%20resilience%20scorecard%20for%20cities_UNISDR.pdf)

Walker, B., Holling, C. S., Carpenter, S. R., & Kinzig, A. (2004). Resilience, Adaptability and Transformability in Social– ecological Systems. *Ecology and Society*, 9(2). <https://doi.org/10.1103/PhysRevLett.95.258101>

Wheeler, M. C., & McBride, J. L. (2005). Australian-Indonesian monsoon. In *Intraseasonal Variability in the Atmosphere-Ocean Climate System* (hal. 125–173). Berlin, Heidelberg: Springer Berlin Heidelberg. [https://doi.org/10.1007/3-540-27250-X\\_5](https://doi.org/10.1007/3-540-27250-X_5)

Yunus, R., Sudibyakto, & Marfai, M. A. (2016). Efek Fenomena Iklim Global Terhadap Curah Hujan di Provinsi Jawa Tengah dan D.I. Yogyakarta. *Jurnal Riset Kebencanaan Indonesia*, 2(1), 30–39.