DAFTAR PUSTAKA

Abdurachman, E. K., Bourdier, J. L., & Voight, B. (2000). Nuées ardentes of 22 November 1994 at Merapi volcano, Java, Indonesia. *Journal of Volcanology and Geothermal Research, 100(1–4),* 345–361.

Badan Informasi Geospasial. (2018). *Lembar 1408-24.* Diakses pada tanggal 17 April 2019 pukul 13.32 WIB dari Data DEMNAS: http://tides.big.go.id/DEMNAS/Jawa.php

Badan Nasional Penanggulangan Bencana. (2011). *Peraturan Kepala BNPB Nomor 15 Tentang Pedoman Pengkajian Kebutuhan Pasca Bencana*. Hal-124: Jakarta.

Badan Penanggulangan Bencana Daerah (BPBD) Sleman. 2018. Peta Kawasan Bencana Gunung Api Merapi. Diakses pada tanggal 1 Juli 2019 pukul 19.30 dari data geo-portal Kabupaten Sleman http://geoportal.slemankab.go.id/documents/28.

BPPTKG. (2019). Laporan Aktivitas Gunung Merapi tanggal 28 Juni 2019 – 4 Juli 2019. Diakses pada tanggal 5 Juli 2019 Pukul 13.00 WIB http://merapi.bgl.esdm.go.id/pub/page.php?idx=400.

Badan Pusat Statistik. (2018). Kecamatan Pakem Dalam Angka 2018, 2017, 2016. Sleman.

Badan Pusat Statistik. (2019). Nilai Tukar Petani (NTP) Mei 2019 Sebesar 102,61 Atau Naik 0,38 Persen. Diakses pada tanggal 20 Juli 2019 Pukul 20.00 WIB https://www.bps.go.id/pressrelease/2019/06/10/1602/nilai-tukar-petani--ntp--mei-2019-sebesar-102-61-atau-naik-0-38-persen.html.

Becceril, L., Capello, A., Galindo, I., Neri, M., & Del Negro, C. (2013). Spatial probability distribution of future volcanic eruptions at El Hierro Island (Canary Islands, Spain). *Journal of Volcanology and Geothermal Research, 257,* 21-30.

Biass, S., & Bonadonna, C. (2013). A fast GIS-based risk assessment for tephra fallout: The example of Cotopaxi volcano, Ecuador: Part I: Probabilistic hazard assessment. *Natural Hazards*, *65(1)*, 477–495.

Boerboom, L., & Alps, I. (2015). Participatory Scenario Development to Address Potential Impacts of Land Use Change: An Example from the Italian Alps. *Mountain Research and Development, 35(2),* 126–138.

Danoedoro, Projo. (2012). *Pengantar Penginderaan Jauh Digital*. Penerbit Andi: Yogyakarta.

Daryono. (2011). *Ancaman Banjir Lahar Merapi.* Diakses pada tanggal 14 April 2019 pukul 19.20 WIB dari Artikel Kebumian: http://data.bmkg.go.id/share/Dokumen/artikel-ancaman_banjir-lahar-merapi-daryono-bmkg-2011.pdf.

Estes, J. E. (1992). Remote Sensing and GIS Integration: Research Needs, Status and Trends. *ITC-Journal. pp. 2-10.*

Galderisi, Adriana *et al*. (2013). Vulnerability Assessment and Risk Mitigation: The Case of Volcano Island, Italy. *Landslide Science and Practice, 7,* 55-64.

GEOMAGZ. (2013). *Status Normal Merapi Pasca Letusan 2010*. Diakses pada tanggal 2 April 2018 dari Artikel Geologi Populer: http://geomagz.geologi.esdm.go.id/status-normal-merapi-pasca-letusan-2010

Gob, F., Gautier, E., Virmoux, C., Grancher, D., Tamisier, V., Primanda, K. W., Lavigne, F. (2016). River responses to the 2010 major eruption of the Merapi volcano, central Java, Indonesia. *Geomorphology*, *273*, 244–257.

Iverson, RM., Steven, P. Schilling, & James, W. Vallance. (1998). Objective delineation of lahar-inundation hazard zones. *Geological Society of America Bulletin*, *110(8),* 72-984.

Jenkins, S., Komorowski, J.-C., Baxter, P.J, Spence, R., Picquout, A., Lavigne, F., & Surono. (2013). The Merapi 2010 eruption: An interdisciplinary impact assessment methodology for studying pyroclastic density current dynamics. *Journal of Volcanology and Geothermal Research*, *261,* 316-329.

Jumadi, Carver, S., & Quincey, D. (2016). A conceptual framework of volcanic evacuation simulation of Merapi using agent-based model and GIS. *Procedia - Social and Behavioral Sciences*, *227*, 402–409.

Karashima, K., Ohgai, A., & Saito, Y. (2014). A GIS-based Support Tool for Exploring Land Use Policy Considering Future Depopulation and Urban Vulnerability to Natural Disasters – A Case Study of Toyohashi City, Japan - . *Procedia Environmental Sciences*, *22*, 148–155.

Kholiq, M. A. (2017). Simulasi Aliran Banjir Lahar Pasca Erupsi Gunung Merapi 2010 Terhadap Keberadaan Sabo Dam Di. *Jurnal Teknisia*, *XXII(2),* 410–415.

Kim, H. Y., Choi, Y., Kim, H., & Oh, S. H. (2014). Planning for the suitable? Land use suitability and social and ecological factors for locating a new hazardous facility. *KSCE Journal of Civil Engineering*, *20*, 359–366.

Konstantinou, K. I. (2014). Potential for future eruptive activity in Taiwan and vulnerability to volcanic hazards. *Natural Hazards*, *75(3),* 2653–2671.

Kushendratno, Sukiyah, E., Sulaksana, N., Weningsulistri & Yohandi. (2015). Pemodelan Aliran Lahar Menggunakan Perangkat Lunak LAHARZ Di Gunung Semeru, Jawa Timur. *Seminar Nasional ke-II FTG Universitas Padjadjaran*, 42–46.

Kusumosubroto, H. (2013). *Aliran Debris dan Aliran Lahar, Pembentukan, Pengaliran, Pengendapan dan Pengendaliannya.* Graha Ilmu: Yogyakarta.

Lavigne, F., & Morin, J. (2015). *The Atlas of Merapi volcano The Atlas of Merapi volcano*.

Lee, S. K., Lee, C. W., & Lee, S. (2015). A comparison of the Landsat image and LAHARZ-simulated lahar inundation hazard zone by the 2010 Merapi eruption. *Bulletin of Volcanology*, *77(6),* 1-13.

Lillesand & Kiefer. (1990). Penginderaan Jauh dan Interpretasi Citra.Terjemahan dari: Remote Sensing and Image Interpretation. Gadjah Mada University Press: Yogyakarta.

Machado, G., Lupiano, V., Avolio, M. V., Gullace, F., & Di Gregorio, S. (2015). A cellular model for secondary lahars and simulation of cases in the Vascún Valley, Ecuador. *Journal of Computational Science*, *11*, 289–299.

Maharani, Y. N., Lee, S., & Ki, S. J. (2016). Social vulnerability at a local level around the Merapi volcano. *International Journal of Disaster Risk Reduction*, *20*, 63–77.

Mishra, V.N., Prasad, R., Kumar, P., Gupta, D.K., & Srivastava, P.K. (2017). Dualpolarimetric C-band SAR data for land use/land cover classification by incorporating textural information. *Environmental Earth Sciences*, *76(1),* 26.

Purba, Dhika R., & Purqon, A. (2015). Analisa Statistik Erupsi Gunung Merapi. *Prosiding SKF 2015*, 452-457.

Saunders, W., & Kilvington, M. (2016). Innovative land use planning for natural hazard risk reduction: A consequence-driven approach from New Zealand. *International Journal of Disaster Risk Reduction*, *18*, 244–255.

Schilling SP. (1998). LAHARZ: GIS programs for automated delineation of lahar hazard zones. *U.S. Geological Survey Open-file Report*.

Selles, A., Deffontaines, B., Hendrayana, H., & Violette, S. (2015). The eastern flank of the Merapi volcano (Central Java, Indonesia): Architecture and implications of volcaniclastic deposits. *Journal of Asian Earth Sciences*, *108*, 33–47.

Setiawan, H., Mathieu, R., & Thompson-Fawcett, M. (2006). Assessing the applicability of the V-I-S model to map urban land use in the developing world: Case study of Yogyakarta, Indonesia. *Computers, Environment and Urban Systems*, *30(4),* 503–522.

Sieron, K., Capra, L., & Rodríguez-Elizararrás, S. (2014). Hazard assessment at San Martín volcano based on geological record, numerical modeling, and spatial analysis. *Natural Hazards*, *70(1),* 275–297.

Stevens, N.F., Manville, V., Heron, D.W., 2002. The sensitivity of a volcanic flow model to digital elevation model accuracy: experiments with digitised map contours and interferometric SAR at Ruapehu and Taranaki volcanoes, New Zealand. J. Volcanol. Geotherm. Res. 119, 89–105.

Sugiyono. (2016*). Metodologi Penelitian Kuantitatif, Kualitatif, dan R&D.* CV Alfabeta: Bandung.

Swain, P. H & Davis, S. M. (1978). *Remote Sensing: The Quantitative Approach*. McGraw-Hill International Book Company: New York.

Vallance JW. (2000). Lahars in: Sigurdsson H, Houghton BF, McNutt SR, Rymer H, Stix J (eds) Encyclopedia of Volcanoes*. Academic Press,* San Diego, pp 601–616.

Yanuar, R. C., Hanintyo, R., & Muzaki, A. A. (2018). PENENTUAN JENIS CITRA SATELIT DALAM INTERPRETASI LUASAN CAHAYA TAMPAK Studi Kasus: Wilayah Pesisir Sanur. *Geomatika, 23(2),* 75–86.

Yulianto, F., Sofan, P., Khomarudin, M. R., & Haidar, M. (2013). Extracting the damaging effects of the 2010 eruption of Merapi volcano in Central Java, Indonesia. *Natural Hazards*, *66(2),* 229–247.

Yulianto, F., Suwarsono, & Sofan, P. (2016). The Utilization of Remotely Sensed Data to Analyze the Estimated Volume of Pyroclastic Deposits and Morphological Changes Caused by the 2010-2015 Eruption of Sinabung Volcano, North Sumatra, Indonesia. *Pure and Applied Geophysics*, *173(8),* 2711–2725