

REFERENCES

- Alsparslan et al. 2008. A GIS model for settlement suitability regarding disaster mitigation, a case study in Bolu Turkey. *Engineering Geology* 96, pp 126–140
- Astuti Emy S.Sos, MM, dan Dua Lembang, S.E. 2010. Merapi Eruption Continues (*Erupsi Merapi yang tak terputus*). Published in Kemosos.go.id on Tuesday 28 December 2010
- Bailey, T. and A. Gatrell. 1995. *Interactive Spatial Data Analysis*. Pearson Education Limited. Essex
- Barakat, Sultan. 2003. *Housing Reconstruction After Conflict and Disaster, Humanitarian Practice Network Paper*, Publish-on-Demand Ltd London, No. 43
- Bayulke, Nejat. 1983. Lessons to be Learned from Relocation of Villages and Use of Prefabricated Houses in Post-disaster Housing in Turkey, *Proceedings of the Seminar on Socio-Architectural Aspects of Housing in Earthquake-Prone Areas of Turkey*, Ankara, the Scientific and Technical Research Council of Turkey Building Research Institute: pp 17-25
- Bakornas PB. 2007. *Pengenalan Karakteristik Bencana dan Upaya Mitigasinya*
- Buchori, Imam, Yuwono Ari Nugroho, Joko Susilo, Dian Prasetyaning, Hadi Nugroho. 2013. Model Kesesuaian Lahan Berbasis Kerawanan Bencana Alam, Uji Coba: Kota Semarang. *Tata Loka Journal of Urban and Regional Planning* Vol 15 No 4 ISSN 0852-7458
- Belizal, de Edouard et al (2013). Rain-triggered lahars following the 2010 eruption of Merapi volcano, Indonesia: A major risk. *Journal of Volcanology and Geothermal Research* 261, pp 330–347
- Camus, G., Gourgaud, A., Mossand-Berthommier, P.-C., Vincent, P.-M., 2000. Merapi (Central Java, Indonesia): an outline of the structural and magmatological evolution, with a special emphasis to the major pyroclastic events. *Journal of Volcanology and Geothermal Research* 100, 139–163
- Chadwick, J. P. 2008. Magma crust interaction in volcanic systems: case studies from Merapi Volcano, Indonesia, Taupo Volcanic Zone, New Zealand, and Slieve Gullion, N. Ireland: PhD thesis, Trinity College Dublin, p 52–181
- Charbonnier, S.J., Gertisser, R., 2008. Field observations and surface characteristics of pristine block-and-ash flow deposits from the 2006 eruption of Merapi volcano, Java, Indonesia. *Journal of Volcanology and Geothermal Research* 177, 971–982.
- Emergency Response Agency Of Central Java Province (BPBD JATENG). 2013. *Rencana Aksi Rehabilitasi dan Rekonstruksi Pascabencana Erupsi Gunung Merapi Kabupaten Klaten*.
-
- _____. 2012. *Rencana Penanggulangan Bencana Provinsi Jawa Tengah Tahun 2012-2016 (Draft 1)*. Central Java Government.

- ESRI. 2000. Geographic Information Systems as an Integrating Technology: Context, Concepts, and Definitions. ESRI copyright of 2000, Retrieved February 17, 2014
- Foote, Kenneth E, and Margaret Lynch. 1995. Geographic Information Systems as an Integrating Technology: Context, Concepts, and Definitions. Austin: University of Texas, Department of Geography. ESRI copyright of 2000, Retrieved February 17, 2014
- Gandapurnama, Arif. 2013. Acceptance of Community Based Disaster Mitigation in Cangkringan, Sleman (*Kajian Penerimaan Mitigasi Bencana Berbasis Masyarakat di Cangkringan, Sleman*). Unpublished Master Thesis. Department of Urban and Regional Planning, Faculty of Engineering – Diponegoro University, Semarang
- Gallion, A.B., dan Eisner, S. 1994. City Planning: City Design and Planning. Jakarta: Airlangga
- Golany, Gideon, 1976, New Town Planning, Principles and Practice. New York: John Wiley and Son
- Habibi, Marbruno, Imam Buchori. 2013. *Model Spasial Kerentanan Sosial Ekonomi dan Kelembagaan Terhadap Bencana Gunung Merapi*. Tata Loka Journal of Urban and Regional Planning Vol 2 No 1 ISSN 2338-3526
- Haining. 2000. Spatial Data Analysis in the Social and Environmental Sciences. Cambridge University Press. United Kingdom
- Halim, Nurhajati et al. 1986. *Dasar-Dasar Ilmu Tanah*. Lampung: Universitas Lampung
- Hardiyanto, Hary Christady. 1996. *Teknik Fondasi I*. Jakarta: PT Gramedia Pustaka Utama
- Hartadi, Arief. 2009. Land Suitability for Settlement Based on Physical Characteristic in Fak-Fak (*Kajian Kesesuaian Lahan Perumahan Berdasarkan Karakteristik Fisik Dasar di Kota Fak-fak*). Unpublished Master Thesis. Department of Urban and Regional Planning, Faculty of Engineering – Diponegoro University, Semarang.
- Hidayat, D., Voight, B., Langston, C., Ratdomopurbo, A., Ebeling, C., 2000. Broadband seismic experiment at Merapi Volcano, Java, Indonesia: very-long-period pulses embedded in multiphase earthquakes. *Journal of Volcanology and Geothermal Research* 100, 215–231
- Indonesian National Emergency Response Agency (BNPB). 2010a. *Laporan Harian Tanggap Darurat Gunung Merapi Tanggal 6 November 2010*. 2010b. *Kawasan Rawan bencana Erupsi Merapi. Badan Nasional Penanggulangan bencana Prov. Jateng 27 NOVEMBER 2010*
- Jenkins, S.F., R.J.S. Spence, J.F.B.D. Fonseca, R.U. Solidum, T.M.Wilson. 2014. Volcanic risk assessment: Quantifying physical vulnerability in the built environment. *Journal of Volcanology and Geothermal Research* 276, 105–120
- Jousset, Phillipe. 2013. The 2010 eruption of Merapi Volcano. *Journal of Volcanology and Geothermal Research* 261, pp 1–6
- Khadiyanto, Parfi. 2005. *Tata Ruang Berbasis pada Kesesuaian Lahan*. Semarang: Published by Undip

- Kai-Soltau, Scmidth. 2007. Protected Areas and Resettlement: What Scope for Voluntary Relocation? *World Development* Vol. 35, No. 12, pp. 2182–2202, 2007_ 2007 Elsevier Ltd. All rights reserved
- Kalogirou, S. 2002. Expert systems and GIS: an application of land suitability evaluation. *Computers, Environment and Urban Systems* 2, pp 89–112. www.elsevier.com
- Kodoatie, Robert J. 2005. *Pengantar Manajemen Infrastruktur*. Yogyakarta: Pustaka Pelajar
- Klaten in Figures. 2012. Statistical Bearou of Central Java. Semarang
- Lavigne, F., Thouret, J.-C., Voight, B., Suwa, H., Sumaryono, A., 2000. Lahars at Merapi volcano, Central Java: an overview. *Journal of Volcanology and Geothermal Research* 100, 423–456
- Marbun, MA. 1984. *Geography Dictionary (Kamus Geografi)*. Jakarta : Ghalia Indonesia
- MOH (Ministry of Health), 2007, *Pedoman Penanggulangan Bencana Bidang Kesehatan*. www.ppkdepkes.org
- Newhall, C., Bronto, S., Alloway, B., Banks, N.G., Bahar, I., del Marmol, M.A., Hadisantono, R.D., Holcomb, R.T., MCGeehin, J., Miksic, J.N., Rubin, M., Sayudi, S.D., Sukhyar, R., Andreastuti, S., Tilling, R.I., Torley, R., Trimble, D., Wirakusumah, A.D. 2000. 10,000 years of explosive eruptions of Merapi Volcano, Central Java: archaeological and modern implications. *Journal of Volcanology and Geothermal Research* 100, 9–50
- Noermansyah, Imam. 2013. GIS Model on Evaluation of Land Suitability for Settlement in Semarang (*Permodelan Sistem Informasi Geografis untuk Kesesuaian Lahan Permukiman Kota Semarang*). Unpublished Master Thesis. Department of Urban and Regional Planning, Faculty of Engineering – Diponegoro University, Semarang
- Oliver-Smith, Anthony. 1991. Successes and Failures in Post-Disaster Resettlement Disasters, Volume 15, Number 1, pp 12-19
- Randolph, John 2004. *Environmental land used planning and management*. Washington: Island Press
- Rougier, J., Sparks, R.S.J. and Hill, L., 2013. *Risk and uncertainty assessment for natural hazards*. Cambridge University Press, Cambridge, 588 pp
- Sevenant, Marjanne and Marc Antrop (2006). Settlement models, land use and visibility in rural landscapes: Two case studies in Greece. Geography Department, Ghent University, Krijgslaan 281 S8, B9000 Ghent, Belgium
- Smith, G.A., Fritz, W.J., 1989. Penrose Conference report: volcanic influences on terrestrial sedimentation. *Geology* 17, 376
- Soegiono. 2008. *Metode penelitian Kuantitatif dan Kualitatif*. Bandung: Alfabeta
- Sudrajat, A. 2000. *Seputar Gunung Api dan Gempa Bumi*. Jakarta
- Surono, Jousset, P., Pallister, J., Boichu, M., Buongiorno, M.F., Budisantoso, A., Costa, F., Andreastuti, S., Prata, F., Schneider, D., Clarisse, L., Humaida, H., Sumarti, S., Bignami, C., Griswold, J., Carn, S., Oppenheimer, C., 2012. The 2010 explosive eruption of Java's Merapi volcano — a '100-year' event. *Journal of Volcanology and Geothermal Research* 241–242, 121–135

- Susilo, Ariyadi Nugroho, dan Iwan Rudiarto. 2014. *Analisis Tingkat Resiko Erupsi Gunung Merapi Terhadap Permukiman di Kecamatan Kemalang, Kabupaten Klaten*. Journal of Urban and Regional Planning, Volume 3 No 1
- Tercan, Binali (2001). *Post Earthquake Relocation Process in Yalova*, Unpublished master's thesis, METU, Ankara
- Tiede, et al., 2005. Modelling the density at Merapi volcano area, Indonesia, via the inverse gravimetric problem. *Geochemistry, Geophysics, Geosystems* 6, Q09011. <http://dx.doi.org/10.1029/2005GC000986> (13 pp.)
- Tohari Adrin, 2008. *Disasters in Indonesia (Bencana Alam di Indonersia)*, Tim Kajian Likuifaksi dan Sumber Daya Air Pusat Penelitian (Puslit) Geoteknologi LIPI, Jakarta.
- Tolman, C, F.1937. *The New Science of Ground Water Hydrology*. New York and London: McGraww-Hill Book company, Inc
- Verfhoef, P.N.W, 1994. *Geology for Civil Engineering*. Jakarta: Erlangga
- Vallance, J.W., 2000. Lahars. In: Sigurdsson, H., Houghton, B., McNutt, S.R., Rymer, H., Stix, J. (Eds.), *Encyclopedia of volcanoes*. Academic Press, San Diego (1417 pp)
- Voight, B., Sukhyar, R., Wirakusumah, A.D., 2000a. Introduction to the special issue on Merapi volcano. *Journal of Volcanology and Geothermal Research* 100, 1–8
- Voight, B., Constantine, E.K., Sismowidjoyo, S., Torley, R., 2000b. Historical eruptions of Merapi volcano, Central Java, Indonesia, 1768–1998. *Journal of Volcanology and Geothermal Research* 100, 69–138
- Vulacnology Directory and Geology Disaster Mitigation (*Direktorat Vulkanologi dan Mitigasi Bencana Geologi*), 2007. *Disaster Management Based on Community (Manajemen Bencana Berbasis Masyarakat)*. Departemen Energi dan Sumber Daya Mineral. Jakarta
- Wilson, G, T.M.Wilson, N.I. Deligne, J.W. Cole. 2014. Volcanic hazard impacts to critical infrastructure: A review, *Journal of Volcanology and Geothermal Research*, doi: 10.1016/j.jvolgeores.2014.08.030
- Zimmer, M., Erzinger, J., 2003. Continuous H₂O, CO₂, and temperature measurements on Merapi Volcano, Indonesia. *Journal of Volcanology and Geothermal Research* 125, 25–38
- Law of the Republic of Indonesia (*Undang-undang*) No. 24/1992 on *Spatial Planning*, the Government of Republic of Indonesia
- Local Government Law of the Republic of Indonesia (*Perda*) No. 11/2011 *Technical Material of Klaten Spatial Planning*
- Government Regulation (*Peraturan Pemerintah*) No. 47/1997 on *National Spatial Plan*, the Government of Republic of Indonesia
- Presidential Decree (*Keppres*) No. 32/1990 on *Preservation Area Management*, the Government of Republic of Indonesia
- Ministry of Agriculture Decrees (*SK Menten*) No. 837/Kpts/Um/11/1980 and 683/Kpts/Um/8/1981 on *Criteria and Method to Determine Preservation Forest*, the Government of Republic of Indonesia

- Ministry of Agriculture Decrees (*Deptan*) No. 47/2006 on *General Instruction of Agricultural Activity in Mountainous Area*, the Government of Republic of Indonesia
- Ministry of Home Affairs Regulation (*Kepmendagri*) No. 2/1987 on *Urban Planning*, the Government of Republic of Indonesia