DAFTAR PUSTAKA

Achsan, R.E.D., 2017, *Pengembangan Model Simulasi Koordinasi Relawan Bencana Erupsi Gunung Merapi Menggunakan Agent Based Modeling (ABM),* Skripsi, Departemen Teknik Mesin dan Industri UGM

Aguirre, B. E., 1994, *Planning, Warning, Evacuation and Search and Rescue: A Review of the Social Science Research Literature,* Department of Sociology Texas A&M University, Texas

Ayuningtyas, D., dan Gabriel, L., 2013, *Respon Masyarakat Terhadap Kebijakan Relokasi Pada Kawasan Rawan Bencana (KRB) (Studi Kasus: Relokasi Desa Glagaharjo),* Tesis, Universitas Gadjah Mada

Banks, J., Carson, J. S., dan Nelson, B. L., and Nicol, D. M., 2010, *Discrete-Event System Simulation*, Pearson Education, Inc., New Jersey

Besiou, M., Stapleton, O., dan Van Wassenhove, L. N., 2011, System Dynamics for Humanitarian Operations, *Journal of Humanitarian Logistics and Supply Chain Management*, **1**(1), 78–103

Borshchev, A., 2013, *The Big Book of Simulation Modeling, Multimethod Modeling with Anylogic 6,* AnyLogic North America, Chicago

Badan Nasional Penanggulangan Bencana, 2020, *Definisi Bencana,* https://bnpb.go.id/definisi-bencana (online accessed: 16 November 2019)

BPBD, 2011, *Tanggap Darurat Erupsi Merapi 2010*, Pemerintah Kabupaten Sleman, Sleman

BPBD, 2012, *Dokumen Kontijensi Erupsi Gunung Api Merapi*, Pemerintah Kabupaten Sleman, Sleman

Castle, C. J. E., dan Crooks, A. T., 2006, Principles and Concepts of Agent-Based Modelling for Developing Geospatial Simulations, *UCL Centre for Advanced Spatial Analysis*, 1–60

Centre for Research on the Epidemiology of Disasters, 2009, *Disaster Category Classification and peril Terminilogy for Operational Purposes,* https://www.cred.be/downloadFile.php?file=sites/default/files/DisCatClass_264.pdf (online accessed: 16 November 2019)

Crooks, A., Malleson, N., Ed Manley, dan Heppenstall, A., 2018, *Agent-based Modelling and Geographical Information Systems: A Practical Primer*, SAGE

Chen, X., Meaker, J. W., dan Zhan, F. B., 2006, Agent-based Modeling and Analysis of Hurricane Evacuation Procedures for the Florida Keys, *Natural Hazards*, **38**(3), 321–338

Dulebenets, M.A., Abioye, O.F., Ozguven, E.E., Moses, R., Boot, W.R., dan Sando, T., 2018, Development of Statistical Models for Improving Efficiency of Emergency Evacuation in Areas with Vulnerable Population, *Reliability Engineering and System Safety,* **9**, 233–249.

Fujisawa, K., Takabatake, T., Esteban, M., dan Shibayama, T., 2020, Simulated Effectiveness of a Car Evacuation from a Tsunami, *International Journal of Disaster Risk Reduction*, **47**

Gonzalez, R. A., 2009, Crisis Response Simulation Combining Discrete-event and Agent-based Modeling, *ISCRAM 2009 - 6th International Conference on Information Systems for Crisis Response and Management: Boundary Spanning Initiatives and New Perspectives*, ISCRAM, Swedia, May 2009

Joo, J., Kim, N., Wysk, R.A., Rothrock, L., Son, Y.J., dan Oh, Y.G., 2013, Agent-based Simulation of Affordance-based Human Behaviors in Emergency Evacuation, *Simulation Modelling Practice and Theory*, **32**, 99–115.

Jumadi, Carver, S., dan Quincey, D., 2017, A Conceptual Design of Spatio-Temporal Agent-Based Model for Volcanic Evacuation, *Systems*, **5**(4), 53

Jumadi, J., Carver, S. J., dan Quincey, D. J., 2019, An Agent-based Evaluation of Varying Evacuation Scenarios in Merapi: Simultaneous and staged. *Geosciences (Switzerland)*, **9**(7), 1–19

Krejci, C. C., 2015, Hybrid Simulation Modeling for Humanitarian Relief Chain Coordination, *Journal of Humanitarian Logistics and Supply Chain Management*, **5**(3), 325–347

Law, A. M., 2013, *Simulation Modeling and Analysis*, 5th Edition, Mc-Graw Hill Education, New York

Lechner, H. N., dan Rouleau, M. D., 2019, Should We Stay or Should We Go Now? Factors Affecting Evacuation Decisions at Pacaya Volcano, Guatemala, *International Journal of Disaster Risk Reduction*, **40**

Liu, H., Chen, H., Hong, R., Liu, H., dan You, W., 2020, Mapping Knowledge Structure and Research Trends of Emergency Evacuation Studies, *Safety Science*, **121**(258), 348–361.

Mostafizi, A., Wang, H., Cox, D., dan Dong, S., 2019, An Agent-Based Vertical Evacuation Model for A Near-Field Tsunami: Choice Behavior, Logical Shelter Locations, and Life Safety, *International Journal of Disaster Risk Reduction*, **34** (Agustus 2018), 467–479

Na, H. S., dan Banerjee, A., 2019, Agent-based Discrete-event Simulation Model for No-Notice Natural Disaster Evacuation Planning, *Computers and Industrial Engineering*, **129** (Juli2017), 44–55

Nuzulia, Y., dan Sudibyakto, S., 2014, *Kajian Penolakan Relokasi oleh Warga Terdampak Erupsi Merapi Tahun 2010 (Studi Kasus di Dusun Kalitengah Lor, DIY dan Dusun Sambungrejo Jawa Tengah)*, Tesis, Universitas Gadjah Mada

Parvin, G. A., Sakamoto, M., Shaw, R., Nakagawa, H., dan Sadik, M. S., 2019, Evacuation Scenarios of Cyclone Aila in Bangladesh: Investigating The Factors Influencing Evacuation Decision and Destination, *Progress in Disaster Science*, **2**

Perry, R.W., dan Mushkatel, A.H., 1984, *Disaster Management: Warning Response and Community Relocation*, Quorum Books, Westport

Quarantelli, E.L., 1980, *Evacuation Behavior and Problems: Findings and Implications from the Research Literautre*, Final Project Report, Disaster Research Center Ohio State University

Shi, L., Xie, Q., Cheng, X., Chen, L., Zhou, Y., dan Zhang, R., 2009, Developing a Database for Emergency Evacuation Model, *Building and Environment*, **44**(8), 1724–1729

Sandana, A. W., dan Sopha, B. M., 2014, Pengembangan Model Koordinasi Relawan Dengan Pendekatan Agent Based Model, *Proceedings of 1st Annual Conference in Industrial and System Engineering*, ACISE, Semarang, 2 Oktober 2015

Song, Y., Xie, K., dan Su, W., 2019, Mechanism and Strategies of Post-earthquake Evacuation Based on Cellular Automata Model, *International Journal of Disaster Risk Reduction*, **34** (November 2018), 220–231

Sopha, B. M., Achsan, R. E. D., Asih, dan A. M. S., 2019, Mount Merapi Eruption: Simulating Dynamic Evacuation and Volunteer Coordination using Agent-based Modeling Approach, *Journal of Humanitarian Logistics and Supply Chain Management*

Sopha, B. M., Asih, A. M. S., Ilmia, Di. G., dan Yuniarto, H. A., 2018, Knowledge Engineering: Exploring Evacuation Behavior During Volcanic Disaster, *IEEE International Conference on Industrial Engineering and Engineering Management*, IEEE, Desember 2017, 235–239

Takabatake, T., Nistor, I., dan St-Germain, P., 2020, Tsunami Evacuation Simulation for the District of Tofino, Vancouver Island, Canada, *International Journal of Disaster Risk Reduction*, 101573

Widera, A., Konradt, C., Böhle, C., dan Hellingrath, B., 2018, A Multi-method Simulation Environment for Humanitarian Supply Chains, *Proceedings of the 2017 4th Internationasl Conference on Information and Communication Technologies for Disaster Management*, ICT-DM 2017, Januari 2018, 1–8.

World Health Organization, 2003, *Food and Nutrition Needs in Emergencies*, http://whqlibdoc.who.int/hq/2004/a83743.pdf?ua=1 (online accessed: 21 Januari 2020)

Wu, S., Shuman, L., Bidanda, B., Kelley, M., Sochats, K., dan Balaban, C., 2008, Agent-based Discrete Event Simulation Modeling for Disaster Responses. *IIE Annual Conference and Expo 2008*, 1908–1913.

Yadav, D. K., dan Barve, A., 2015, Analysis of Critical Success Factors of Humanitarian Supply Chain: An application of Interpretive Structural Modeling, *International Journal of Disaster Risk Reduction*, **12**, 213–225

Zhang, B., Chan, W. K., dan Ukkusuri, S. V., 2009, Agent-based Modeling for Household Level Hurricane Evacuation, *Proceedings - Winter Simulation Conference*, IEEE, Januari 2009, 2778–2784

Zhang, B., Chan, W. K., dan Ukkusuri, S.V., 2014, On the Modelling of Transportation Evacuation: an Agent-based Discrete-event Hybrid-space Approach, *Journal of Simulation*, **8**(4), 259–270