Pengembangan Model Dinamika Sistem untuk Analisis Kebijakan Pengurangan Food Waste pada Program
Makanan Bergizi Gratis
Atha Rafi Nur Diansyah, Ir. Hilya Mudrika Arini, S.T., M.Sc., M.Phil., Ph.D., IPM., ASEAN Eng.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

DAFTAR PUSTAKA

Afridi, F. (2010). Child welfare programs and child nutrition: Evidence from a mandated school meal program in India. *Journal of Development Economics*, *92*(2), 152–165. https://doi.org/10.1016/j.jdeveco.2009.02.002

Bundy. (n.d.). *Re-Imagining School Feeding: A High-Return Investment in Human Capital and Local Economies*.

Blondin, S. A., Djang, H. C., Metayer, N., Anzman-Frasca, S., & Economos, C. D. (2018). *It's not just what's on the tray: School food policy implementation and student food consumption*. Journal of the Academy of Nutrition and Dietetics, 118(3), 474–483. https://doi.org/10.1016/j.jand.2017.10.022

Cohen, J. F. W., Richardson, S., Parker, E., Catalano, P. J., & Rimm, E. B. (2015). Impact of the new U.S. Department of Agriculture school meal standards on food selection.

Drake, L., Woolnough, A., Burbano, C., & Bundy, D. (2016). Global School Feeding Sourcebook. In *Global School Feeding Sourcebook*. IMPERIAL COLLEGE PRESS. https://doi.org/10.1142/p1070

Eriksson, M., Persson Osowski, C., Björkman, J., Hansson, E., Malefors, C., Eriksson, E., & Ghosh, R. (2018). The tree structure-A general framework for food waste quantification in food services. *Resources, Conservation and Recycling*, *130*, 140–151. https://doi.org/10.1016/j.resconrec.2017.11.030

García-Herrero, L., De Menna, F., & Vittuari, M. (2019). Food waste at school. The environmental and cost impact of a canteen meal. *Waste Management*, *100*, 249–258. https://doi.org/10.1016/j.wasman.2019.09.027

Holtz, G., Alkemade, F., de Haan, F., Köhler, J., Trutnevyte, E., Luthe, T., Ruutu, S. (2015). Prospects of modelling societal transitions: Position paper of an emerging community. Environmental Innovation and Societal Transitions, 17, 41–58. https://doi.org/10.1016/j.eist.2015.05.006

UNIVERSITAS GADJAH MADA
Pengembangan Model Dinamika Sistem untuk Analisis Kebijakan Pengurangan Food Waste pada Program Makanan Bergizi Gratis
Atha Rafi Nur Diansyah, Ir. Hilya Mudrika Arini, S.T., M.Sc., M.Phil., Ph.D., IPM., ASEAN Eng.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Kristjansson, E. A., Gelli, A., Welch, V., Greenhalgh, T., Liberato, S., Francis, D., & Espejo, F. (2016). Costs, and cost-outcome of school feeding programmes and feeding programmes for young children. Evidence and recommendations. *International Journal of Educational Development*, *48*, 79–83. https://doi.org/10.1016/j.ijedudev.2015.11.011

Lowi, T. J. (1972). Four systems of policy, politics, and choice. Public Administration Review, 32(4), 298–310. https://doi.org/10.2307/974990

Parravicini, E., Moretti, M., & Beccalli, E. (2020). Agent-based modelling for assessing food waste reduction policies. Sustainable Production and Consumption, 24, 85–96. https://doi.org/10.1016/j.spc.2020.07.003

Pereira Junior, J. V., Silva, A. M. da, & Moraes, D. G. de. (2020). Discrete simulation applied to queue management in a supermarket. *Independent Journal of Management & Production*, *11*(5), 1667–1684. https://doi.org/10.14807/ijmp.v11i5.1296

Railsback, S. F., & Grimm, V. (2019). Agent-based and individual-based modeling: A practical introduction (2nd ed.). Princeton University Press.

Silva, E. A. da, Pedrozo, E. A., & Silva, T. N. da. (2023). National School Feeding Program (PNAE): A Public Policy That Promotes a Learning Framework and a More Sustainable Food System in Rio Grande do Sul, Brazil. *Foods*, *12*(19). https://doi.org/10.3390/foods12193622

Sterman, J. D. (2000). Business dynamics: Systems thinking and modeling for a complex world. MIT Press.

Sterman, J. D. (n.d.). *SYSTEM DYNAMICS: SYSTEMS THINKING AND MODELING FOR A COMPLEX WORLD*.

Sukamdi, & Wattie, A. M. (2013). Tobacco Use and Exposure among Children in Migrant and Non-Migrant Households in Java, Indonesia. *Asian and Pacific Migration Journal*, *22*(3), 447–464. https://doi.org/10.1177/011719681302200307

Vizzoto, F., Tessitore, S., Testa, F., & Iraldo, F. (2021). Plate waste in foodservice outlets: Revealing customer profiles and their support for potentially contentious measures to

UNIVERSITAS
GADJAH MADA
**Pengembangan Model Dinamika Sistem untuk Analisis Kebijakan Pengurangan Food Waste pada Program
Makanan Bergizi Gratis**
Atha Rafi Nur Diansyah, Ir. Hilya Mudrika Arini, S.T., M.Sc., M.Phil., Ph.D., IPM., ASEAN Eng.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

reduce it in Italy. *Resources, Conservation and Recycling*, *174*. https://doi.org/10.1016/j.resconrec.2021.105771

Weimer, D. L., & Vining, A. R. (2017). Policy analysis: Concepts and practice (6th ed.). Routledge. https://doi.org/10.4324/9781315442129

Yang, Y., He, Y., Liu, J., & Wang, Y. (2022). Behaviour-based interventions for food waste reduction in educational institutions: An agent-based modelling approach. Sustainable Production and Consumption, 30, 236–247. https://doi.org/10.1016/j.spc.2021.12.014

Zhang, Y., Huang, G., He, L., Li, Y., & Sun, W. (2020). System dynamics modeling of urban food waste generation and management: A case study of China. Journal of Cleaner Production, 260, 121040. https://doi.org/10.1016/j.jclepro.2020.121040