

DAFTAR PUSTAKA

- Alston, J. M. dan Pardey, P. G., 2014, Agriculture in the Global Economy, *The Journal of Economic Perspective*, Vol.28, No.1 (Winter 2014), pp. 121-146.
- Bah, A. A., 2013, Strategies for promoting rice self-sufficiency in Sierra Leone, *Journal of Northeast Agricultural University*, Vol.20, No.4, pp.78-86.
- Bala, B. K., Alias, E. F., Arshad, F. M., Noh, K. M. dan Hadi, A. H. A., 2014, Modelling of food security in Malaysia, *Simulation Modelling Practice and Theory*, 47 (2015), pp. 152-164.
- Beier, S. P., 2006, *Transport Phenomena*, www.bookboon.com
- Bird, R. B., Stewart, W. E. dan Lightfoot, E. N., 2002, *Transport Phenomena*, Second Edition, John Willey & Sons, Inc., New York.
- Borshchev, A. dan Filippov, A., 2004, From System Dynamics and Discrete Event to Practical Agent Based Modeling: Reasons, Techniques, Tools. *The 22nd International Conference of the System Dynamics Society*, July 25 - 29, 2004, Oxford, England.
- BPS, 2015, *Impor beras menurut negara asal utama 2000-2014*, Badan Pusat Statistik Indonesia, [Online: <https://www.bps.go.id/linkTabelStatis/view/id/1043>]
- BPS, 2015, *Konsumsi rata-rata per kapita seminggu beberapa macam bahan makanan penting 2007-2014*, Badan Pusat Statistik Indonesia, [Online <http://bps.go.id/linkTabelStatis/view/id/950>]
- BPS, 2015, *Laju pertumbuhan penduduk menurut provinsi*, Badan Pusat Statistik Indonesia, [Online: <https://www.bps.go.id/linkTabelStatis/view/id/1268>]
- BPS, 2015, *Luas panen padi menurut provinsi*, Badan Pusat Statistik Indonesia, [Online: <https://www.bps.go.id/Subject/view/id/53#subjectViewTab3|accordion-daftar-subjek1>]



- BPS, 2017, *Luas lahan sawah menurut provinsi*, Badan Pusat Statistik Indonesia, [Online; <https://www.bps.go.id/linkTableDinamis/view/id/895>]
- BPS, 2015, *Produksi padi menurut provinsi (ton) 1993-2015*, Badan Pusat Statistik Indonesia, [Online: <https://www.bps.go.id/linkTableDinamis/view/id/865>]
- BPS, 2015, *Produktivitas padi menurut provinsi*, Badan Pusat Statistik Indonesia, [Online: <https://www.bps.go.id/Subject/view/id/53#subjekViewTab3|accordion-daftar-subjek1>]
- BPS, 2010, *Statistik Perdagangan Luar Negeri Impor Jilid III Tahun 2010*, Badan Pusat Statistik Republik Indonesia, Jakarta.
- BPS, 2011, *Statistik Perdagangan Luar Negeri Impor Jilid III Tahun 2011*, Badan Pusat Statistik Republik Indonesia, Jakarta.
- BPS, 2012, *Statistik Perdagangan Luar Negeri Impor Jilid III Tahun 2012*, Badan Pusat Statistik Republik Indonesia, Jakarta.
- BPS, 2013, *Statistik Perdagangan Luar Negeri Impor Jilid III Tahun 2013*, Badan Pusat Statistik Republik Indonesia, Jakarta.
- BPS, 2014, *Statistik Perdagangan Luar Negeri Impor Jilid III Tahun 2014*, Badan Pusat Statistik Republik Indonesia, Jakarta.
- BPS, 2015, *Statistik Perdagangan Luar Negeri Impor Jilid III Tahun 2015*, Badan Pusat Statistik Republik Indonesia, Jakarta.
- Burns, J. R., 2003, *Tutorial: Introduction to System Dynamics and VENSIM – a tool for characterizing project dynamics*.
- Chopra, S., dan Meindl, P., 2007, *Supply Chain Management: Strategy, Planning, and Operation*, Pearson Prentice Hall, New Jersey.
- De Datta, S. K., 1981, *Principles and Practices of Rice Production*, John Willey & Sons Inc, Singapore.
- Dey, S. K., Pramanik, C. dan Dey, C., 2010, Mathematical modelling of the effects of urbanization and population growth on agricultural economics, *Intellectual Economics*, No. 2(8), pp.7-20.



- Disperta, 2016, *Konversi Gabah Menjadi Beras 62,74 Persen, Tahukah Anda Darimana Angka Itu Berasal?*, Dinas Pertanian Tanaman Pangan Provinsi Jambi, [Online: <http://disperta.jambiprov.go.id/index.php/news/read/272/Konversi-Gabah-Menjadi-Beras-6274-Persen-Tahukah-Anda-Darimana-Angka-Itu-Berasal>]
- Elseikh, O. E., Elbushra, A. A. dan Salih, A. A. A., 2015, Economic impacts of changes in wheat's import tariff on the Sudanese economy, *Journal of the Saudi Society of Agricultural Sciences (2015) 14*, pp. 68-75.
- Forrester, J. W., 1994, System Dynamics, Systems Thinking, and Soft OR, *System Dynamics Review, Vol. 10, No. 2, Summer 1994*, pp.1-14.
- Fuad, M., 2011, Prediksi ketersediaan beras di masyarakat dengan menggunakan logika fuzzy dan jaringan syaraf tiruan dalam upaya meningkatkan ketahanan pangan, *AGROINTEK Volume 5, No.1*, pp. 67-73.
- Garside, A. K. dan Asjari, H. Y., 2015, Simulasi ketersediaan beras di Jawa Timur, *Jurnal Ilmiah Teknik Industri Vol. 14 No. 1*, pp. 47-58.
- Giordani, P. E, Rocha, N. dan Ruta, M., 2016, Food prices and the multiplier effect of trade policy, *Journal of International Economics 101 (2016)*, pp.102-122.
- Goetschalckx, M., 2011, *Supply Chain Engineering*, Springer, New York.
- Harrell, C., Ghosh, B. K. dan Bowden, R. O., 2003, *Simulation Using ProModel 2nd edition*, McGraw-Hill, New York.
- Indrawati, F. dan Sutijo, B., 2012, Pemodelan jumlah ketersediaan beras untuk Jawa Timur dengan pendekatan fungsi transfer, *Jurnal Sains dan Seni ITS Vol. 1, No. 1*, pp. 81-86.
- Irawan, 2005, Analisis ketersediaan beras nasional: suatu kajian simulasi pendekatan sistem dinamis, *Prosiding Multifungsi Pertanian*, pp.111-130.
- Irawan, B., 2006, Fenomena anomaly iklim el nino dan la nina: kecenderungan jangka panjang dan pengaruhnya terhadap produksi pangan, *Forum Penelitian Agro Ekonomi*, vol. 24 no.1, pp. 28-45.
- Karlsson, A. dan Persson, T., 1998, *Powersim – A short introduction*, Systems Analysis Group Uppsala University.



- Kementan, 2015, Rencana Strategis Kementerian Pertanian 2015-2019, p. 204, Kementerian Pertanian Republik Indonesia.
- Lantarsih, R. Widodo, S., Darwanto, D. H., Lestari, S. B. dan Paramita, S., 2011, Sistem Ketahanan Pangan Nasional: Kontribusi Ketersediaan dan Konsumsi Energi serta Optimalisasi Distribusi Beras, *Analisis Kebijakan Pertanian, Volume 9 No. 1, Maret 2011*, pp.33-51.
- Law, A. M. dan Kelton, W. D., 1991, *Simulation Modeling and Analysis Second Edition*, McGraw-Hill, Singapore. pp. 3-7.
- Mahbubi, A., 2013, Model dinamis *supply chain* beras berkelanjutan dalam upaya ketahanan pangan nasional, *Jurnal Manajemen & Agribisnis Vol. 10 No. 2*, pp. 81-89.
- Maidstone, R., 2012, Discrete Event Simulation, System Dynamics and Agent Based Simulation: Discussion and Comparison, *White Paper*.
- Mariano, M. J. M. dan Giesecke, J. A., 2014, The macroeconomic and food security implications of price interventions in the Philippine rice market, *Economic Modelling 37 (2014)*, pp.350-361.
- Misra, V., Khan, M.I. dan Singh, U.K., 2010, Supply Chain Management Systems: Architecture, Design, and Vision, *Journal of Strategic Innovation and Sustainability*, **6**(4), 102-108.
- Naivinit, W., Page, C. L., Trébuil, G. dan Gajaseni, L., 2010, Participatory agent-based modeling and simulation of rice production and labor migrations in Northeast Thailand, *Environmental Modelling & Software 25 (2010)*, pp. 1345-1358.
- Nhim, T., 2015, Towards building drought resilience of rice production in Cambodia: from a system dynamics perspective, *Thesis Michigan State University*, United States.
- Ojo, E. O. dan Adebayo, P. F., 2012, Food security in Nigeria: an overview, *European Journal of Sustainable Development (2012)*, **1**, 2, pp.199-222.
- Pradhito, N. H., 2013, Rice fulfillment analysis in system dynamics framework (study case: East Java Indonesia), *Thesis National Taiwan University of Science and Technology & Sepuluh Nopember Insitute of Technology Indonesia*.



- Pradhito, N. H., 2013, Analisis pemenuhan kebutuhan beras di Jawa Timur dengan pendekatan sistem dinamik, Tesis Institut Teknologi Sepuluh Nopember.
- Pusdatin, 2014, *Buletin Konsumsi Pangan Volume 5 No.1 Tahun 2014*, Pusat Data dan Sistem Informasi Pertanian Kementerian Pertanian, p. 3.
- Pusdatin, 2015, *Outlook Komoditas Pertanian Tanaman Pangan Padi*, Pusat Data dan Sistem Informasi Pertanian Kementerian Pertanian, p. 50.
- Pusdatin PU, 2015, Informasi Statistik Infrastruktur Pekerjaan Umum dan Perumahan Rakyat, Sekretaris Jenderal Pusat Data dan Teknologi Informasi Kementerian Pekerjaan Umum dan Perumahan Rakyat, p.IV-9.
- Ramli, N. N., 2012, A System dynamics simulation of the Malaysian rice policy, *Thesis Universiti Putra Malaysia*.
- Rizqiansyah, R., Nugraha, C. dan Amila, K., 2014, Pemodelan dan simulasi berbasis agen untuk sistem ketahanan pangan pokok beras di Jawa Barat, *Jurnal Online Institut Teknologi Nasional*, pp. 73-84.
- Sari, R. K., 2014, Analisis Impor Beras di Indonesia, *Economics Development Analysis Journal*, edaj 3 (2), 2014, pp. 320-326.
- Schieritz, N., 2002, Integrating System Dynamics and Agent-Based Modeling, *Mannheim University Industrieseminar Germany*.
- Schieritz, N. dan Milling, P. M., 2003, Modeling the Forest or Modeling the Trees A Comparison of System Dynamics and Agent-Based Simulation, *Mannheim University Industrieseminar Germany*.
- Senge, P. M., 1990, *The Fifth Discipline*, Currency Doubleday, The United States of America.
- Sidik, M., 2004, *Indonesia Rice Policy in view of Trade Liberalization*, FAO Rice Conference 04/CRS.9, February 2004, Food and Agriculture Organization of the United Nations, p.2.
- Simchi-Levi, D., Kaminsky, P., dan Simchi-Levi, E., 2003, *Designing and Managing the Supply Chain : Concepts, Strategies and Case Studies*, McGraw-Hill Companies, Inc, New York.
- Soedjana, T. D., 2013, Partisipasi konsumsi sebagai alat ukur status ketahanan pangan daging, *WARTAZOA Vol. 23 No. 4*, pp. 166-175.



- Somantri, A. S. dan Thahir, R., 2007, Analisis sistem dinamik ketersediaan beras di Merauke dalam rangka menuju lumbung padi bagi kawasan timur Indonesia, *Buletin Teknologi Pascapanen Pertanian Vol. 3*, pp.27-36.
- Sterman, J. D., 2000, *Business Dynamics System Thinking and Modeling for a Complex World*, Irwin McGraw-Hill, New York.
- Suprianto, J. dan Suryani, E., 2014, Pengembangan model sistem dinamik pemenuhan logistic beras untuk menjaga stabilitas harga beras (Studi Kasus: Provinsi Jawa Timur), *Jurnal Sistem Informasi Vol.5 No.1*, pp. 9-14.
- Tako, A. A. dan Robinson, S., 2012, The application of discrete event simulation and system dynamics in the logistics and supply chain context, *Decision Support Systems 52 (2012) 802–815*.
- Tako, A. A. dan Robinson, S., 2010, Model development in discrete-event simulation and system dynamics: An empirical study of expert modellers, *European Journal of Operational Research 207 (2010) 784–794*.
- Tey, Y. S. dan Brindal, M., 2014, Adapting importation policy to global commodity markets: implications of rice import allocation in Singapore, *Mitigation and Adaptation Strategies for Global Change (2014) 19*, pp.1277-1293
- Tseng, Y.-y., Yue, W.L. dan Taylor, M.A., 2005, The Role of Transportation in Logistics Chain, *Eastern Asia Society for Transportation Studies, 5*, pp. 1657-1672.
- Udin, F., Marimin, Sukardi, Buono A. dan Halid, H., 2014, A system dynamics simulation of rice agroindustry development by divestment pattern for increasing rice production and farmer income, *Journal of Information Engineering and Application Vol. 4 No. 12*, pp. 82-94.
- Ugalahi, U. B., Adeoye, S. O. dan Agbonlahor, M. U., 2016, Irrigation potentials and rice self-sufficiency in Nigeria: a review, *African Journal of Agricultural Research, Vol. 11(5)*, pp.298-309.
- Ustriyana, I. N. G., 2015, Dynamics modeling of rice stock in Bali Province Indonesia, *European Journal of Business and Management Vol. 7 No. 26*, pp.173-180.
- Warr, P. dan Yusuf, A. A., 2014, Fertilizer subsidies and food self-sufficiency in Indonesia, *Agricultural Economics, 45 (2014)*, pp.571-588.



Waters, D., 2003, *Logistics: An Introduction to Supply Chain Management*, Palgrave Macmillan, New York.