DAFTAR PUSTAKA

Aboah, J. (2020). *Building resilient tropical commodity chains in Ghana: The case of cocoa*. Lincoln University.

Aboah, J., Wilson, M. M. J., Bicknell, K., & Rich, K. M. (2021). Ex-ante impact of on-farm diversification and forward integration on agricultural value chain resilience: A system dynamics approach. *Agricultural Systems*, *189*(December 2020), 103043. https://doi.org/10.1016/j.agsy.2020.103043

Aboah, J., Wilson, M. M. J., Rich, K. M., & Lyne, M. C. (2019a). Operationalising resilience in tropical agricultural value chains. *Supply Chain Management*, *24*(2), 271–300. https://doi.org/10.1108/SCM-05-2018-0204

Aboah, J., Wilson, M. M. J., Rich, K. M., & Lyne, M. C. (2019b). Operationalising resilience in tropical agricultural value chains. *Supply Chain Management*, *24*(2), 271–300. https://doi.org/10.1108/SCM-05-2018-0204

Ahumada, O., & Villalobos, J. R. (2009). Application of planning models in the agri-food supply chain: A review. *European Journal of Operational Research*, *196*(1), 1–20. https://doi.org/10.1016/j.ejor.2008.02.014

Ahumada, O., & Villalobos, J. R. (2011). A tactical model for planning the production and distribution of fresh produce. *Annals of Operations Research*, *190*(1), 339–358. https://doi.org/10.1007/s10479-009-0614-4

Alemany, M. M. E., Esteso, A., Ortiz, Á., & del Pino, M. (2021a). Centralized and distributed optimization models for the multi-farmer crop planning problem under uncertainty: Application to a fresh tomato Argentinean supply chain case study. *Computers and Industrial Engineering*, *153*(September 2019). https://doi.org/10.1016/j.cie.2020.107048

Alemany, M. M. E., Esteso, A., Ortiz, Á., & del Pino, M. (2021b). Centralized and distributed optimization models for the multi-farmer crop planning problem under uncertainty: Application to a fresh tomato Argentinean supply chain case study. *Computers and Industrial Engineering*, *153*(September 2019). https://doi.org/10.1016/j.cie.2020.107048

Ali, I., Nagalingam, S., & Gurd, B. (2018). A resilience model for cold chain logistics of perishable products. *International Journal of Logistics Management*, *29*(3), 922–941. https://doi.org/10.1108/IJLM-06-2017-0147

Ali, S. S., Barman, H., Kaur, R., Tomaskova, H., & Roy, S. K. (2021). Multi-product multi echelon measurements of perishable supply chain: Fuzzy non-linear programming approach. *Mathematics*, *9*(17), 1–27. https://doi.org/10.3390/math9172093

An-Vo, D. A., Mushtaq, S., Reardon-Smith, K., Kouadio, L., Attard, S., Cobon, D., & Stone, R. (2019). Value of seasonal forecasting for sugarcane farm irrigation planning. *European Journal of Agronomy*, *104*, 37–48. https://doi.org/10.1016/j.eja.2019.01.005

Aramyan, L. H., Lansink, A. G. J. M. O., Van Der Vorst, J. G. A. J., & Kooten, O. Van. (2007). Performance measurement in agri-food supply chains: A case study. *Supply Chain Management*, *12*(4), 304–315. https://doi.org/10.1108/13598540710759826

Asante, B. O., Villano, R. A., Patrick, I. W., & Battese, G. E. (2018). Determinants of farm diversification in integrated crop-livestock farming systems in Ghana. *Renewable Agriculture and Food Systems*, *33*(2), 131–149. https://doi.org/10.1017/S1742170516000545

Assefa, T. T., Meuwissen, M. P. M., & Oude Lansink, A. G. J. M. (2017). Price risk perceptions and management strategies in selected European food supply chains: An exploratory approach. *NJAS - Wageningen Journal of Life Sciences*, *80*, 15–26. https://doi.org/10.1016/j.njas.2016.11.002

Assefa, Y., Van Damme, W., Williams, O. D., & Hill, P. S. (2017). Successes and challenges of the millennium development goals in Ethiopia: Lessons for the sustainable development goals. *BMJ Global Health*, *2*(2). https://doi.org/10.1136/bmjgh-2017-000318

Azaron, A., Brown, K. N., Tarim, S. A., & Modarres, M. (2008). A multi-objective stochastic programming approach for supply chain design considering risk. *International Journal of Production Economics*, *116*(1), 129–138.

https://doi.org/10.1016/j.ijpe.2008.08.002

Baghalian, A., Rezapour, S., & Farahani, R. Z. (2013). Robust supply chain network design with service level against disruptions and demand uncertainties: A real-life case. *European Journal of Operational Research*, *227*(1), 199–215. https://doi.org/10.1016/j.ejor.2012.12.017

Behzadi, G., O'Sullivan, M. J., Olsen, T. L., Scrimgeour, F., & Zhang, A. (2017a). Robust and resilient strategies for managing supply disruptions in an agribusiness supply chain. *International Journal of Production Economics*, *191*(July 2016), 207–220. https://doi.org/10.1016/j.ijpe.2017.06.018

Behzadi, G., O'Sullivan, M. J., Olsen, T. L., Scrimgeour, F., & Zhang, A. (2017b). Robust and resilient strategies for managing supply disruptions in an agribusiness supply chain. *International Journal of Production Economics*, *191*, 207–220. https://doi.org/10.1016/j.ijpe.2017.06.018

Bhatia, M., & Janardhana, G. M. (2020). Agriculture supply chain management - an operational perspective. *Brazilian Journal of Operations & Production Management*, *17*(4). https://doi.org/10.14488/bjopm.2020.043

Bitzer, V., Kruijssen, F., Mugisha, J., Waswa, L., Aliso, J., & Nakazzi, B. (2024). Vulnerability and resilience among farmers and market actors in local agri-food value chains in the face of COVID-19 disruptions: findings from Uganda and Kenya. *Food Security*, *16*(1), 185–200. https://doi.org/10.1007/s12571-023-01414-z

Bortolini, M., Faccio, M., Ferrari, E., Gamberi, M., & Pilati, F. (2016). Fresh food sustainable distribution: Cost, delivery time and carbon footprint three-objective optimization. *Journal of Food Engineering*, *174*, 56–67. https://doi.org/10.1016/j.jfoodeng.2015.11.014

Borychowski, M., Stępień, S., Polcyn, J., Tošović-Stevanović, A., Ćalović, D., Lalić, G., & Žuža, M. (2020). Socio-economic determinants of small family farms' resilience in selected central and eastern european countries. *Sustainability (Switzerland)*, *12*(24), 1–30. https://doi.org/10.3390/su122410362

Bottani, E., Murino, T., Schiavo, M., & Akkerman, R. (2019a). Resilient food supply chain design: Modelling framework and metaheuristic solution approach. *Computers and Industrial Engineering*, *135*, 177–198. https://doi.org/10.1016/j.cie.2019.05.011

Bottani, E., Murino, T., Schiavo, M., & Akkerman, R. (2019b). Resilient food supply chain design: Modelling framework and metaheuristic solution approach. *Computers and Industrial Engineering*, *135*, 177–198. https://doi.org/10.1016/j.cie.2019.05.011

BPS-Statistic Indonesia. (2022). *Distribusi Perdagangan Komoditas Cabai Merah di Indonesia 2022*.

Caixeta-Filho, J. V. (2006). Orange harvesting scheduling management: A case study. *Journal of the Operational Research Society*, *57*(6), 637–642. https://doi.org/10.1057/palgrave.jors.2602041

Cakra Supriatna, D., Perdana, T., Trisna, D., & Noor, I. (2016). Struktur Rantai Pasok pada Klaster Sayuran untuk Tujuan Pasar Terstruktur. *Jurnal Agrikultura*, *27*(1), 102.

Chowdhury, M. M. H., & Quaddus, M. (2016). Supply chain readiness, response and recovery for resilience. *Supply Chain Management*, *21*(6), 709–731. https://doi.org/10.1108/SCM-12-2015-0463

Christopher, M., & Peck, H. (2004a). BUILDING THE RESILIENT SUPPLY CHAIN. In *International Journal of Logistics Management* (Vol. 15, Number 2).

Christopher, M., & Peck, H. (2004b). BUILDING THE RESILIENT SUPPLY CHAIN. In *International Journal of Logistics Management* (Vol. 15, Number 2).

Cimellaro, G. P., Reinhorn, A. M., & Bruneau, M. (2010). Framework for analytical quantification of disaster resilience. *Engineering Structures*, *32*(11), 3639–3649. https://doi.org/10.1016/j.engstruct.2010.08.008

Daneshvar, A., Radfar, R., Ghasemi, P., Bayanati, M., & Pourghader Chobar, A. (2023). Design of an Optimal Robust Possibilistic Model in the Distribution

Chain Network of Agricultural Products with High Perishability under Uncertainty. *Sustainability (Switzerland)*, *15*(15). https://doi.org/10.3390/su151511669

Darby-Dowman, K., Barker, S., Audsley, E., & Parsons, D. (2000). A two-stage stochastic programming with recourse model for determining robust planting plans in horticulture. *Journal of the Operational Research Society*, *51*(1), 83–89. https://doi.org/10.1057/palgrave.jors.2600858

Dardonville, M., Bockstaller, C., & Therond, O. (2021). Review of quantitative evaluations of the resilience, vulnerability, robustness and adaptive capacity of temperate agricultural systems. In *Journal of Cleaner Production* (Vol. 286). Elsevier Ltd. https://doi.org/10.1016/j.jclepro.2020.125456

Darnhofer, I. (2021). Farming resilience: from maintaining states towards shaping transformative change processes. *Sustainability (Switzerland)*, *13*(6). https://doi.org/10.3390/su13063387

Das, U., Ghosh, S., & Mondal, B. (2020). Resilience of agriculture in a climatically vulnerable state of India. *Theoretical and Applied Climatology*, *139*(3–4), 1513–1529. https://doi.org/10.1007/s00704-019-03061-x

Devi, P. (2015). *KEEFEKTIFAN LEMBAGA PASAR LELANG CABAI MERAH DI KECAMATAN PANJATAN KABUPATEN KULON PROGO The Effectiveness of Auction Market Institution for Red Chili in Panjatan District Kulon Progo Regency* (Vol. 26, Number 2).

Dixon, J. M., Weerahewa, J., Hellin, J., Rola-Rubzen, M. F., Huang, J., Kumar, S., Das, A., Qureshi, M. E., Krupnik, T. J., Shideed, K., Jat, M. L., Prasad, P. V. V., Yadav, S., Irshad, A., Asanaliev, A., Abugalieva, A., Karimov, A., Bhattarai, B., Balgos, C. Q., … Timsina, J. (2021). Response and resilience of Asian agrifood systems to COVID-19: An assessment across twenty-five countries and four regional farming and food systems. *Agricultural Systems*, *193*. https://doi.org/10.1016/j.agsy.2021.103168

Dolgui, A., & Ivanov, D. (2021). Ripple effect and supply chain disruption management: new trends and research directions. *International Journal of*

Production Research, *59*(1), 102–109. https://doi.org/10.1080/00207543.2021.1840148

Dumitru, E. A., Micu, M. M., & Sterie, C. M. (2022). The key to the development of agricultural cooperatives in Romania from the perspective of those who run them. *Outlook on Agriculture*, 003072702211381. https://doi.org/10.1177/00307270221138118

Eckstein, D., Goellner, M., Blome, C., & Henke, M. (2015). The performance impact of supply chain agility and supply chain adaptability: The moderating effect of product complexity. *International Journal of Production Research*, *53*(10), 3028–3046. https://doi.org/10.1080/00207543.2014.970707

Elder, S. D., Zerriffi, H., & Le Billon, P. (2012). Effects of Fair Trade Certification on Social Capital: The Case of Rwandan Coffee Producers. *World Development*, *40*(11), 2355–2367. https://doi.org/10.1016/j.worlddev.2012.06.010

Ernantje, H., Pellokila, M. R., & Kaho, L. M. R. (2016). Socio-Economic Factor That Influencing Farming Behaviour and Farmer Participation Level on Environmental Management in Baumata Village, Kupang District. *Jurnal Ilmu Lingkungan*, *13*(2), 104. https://doi.org/10.14710/jil.13.2.104-117

Esteso, A., Alemany, M. M. E., & Ortiz, Á. (2021). Impact of product perishability on agri-food supply chains design. *Applied Mathematical Modelling*, *96*. https://doi.org/10.1016/j.apm.2021.02.027

Esteso, A., Alemany, M. M. E., Ortiz, Á., & Iannacone, R. (2022a). Crop planting and harvesting planning: Conceptual framework and sustainable multi-objective optimization for plants with variable molecule concentrations and minimum time between harvests. *Applied Mathematical Modelling*, *112*, 136–155. https://doi.org/10.1016/j.apm.2022.07.023

Esteso, A., Alemany, M. M. E., Ortiz, Á., & Iannacone, R. (2022b). Crop planting and harvesting planning: Conceptual framework and sustainable multi-objective optimization for plants with variable molecule concentrations and minimum time between harvests. *Applied Mathematical Modelling*, *112*, 136–

155. https://doi.org/10.1016/j.apm.2022.07.023

Esteso, A., Alemany, M. M. E., Ortiz, A., & Iannacone, R. (2024a). Integrating freshness and profitability in horticultural supply chain design. In *Central European Journal of Operations Research* (Number 0123456789). Springer Berlin Heidelberg. https://doi.org/10.1007/s10100-024-00926-z

Esteso, A., Alemany, M. M. E., Ortiz, A., & Iannacone, R. (2024b). Integrating freshness and profitability in horticultural supply chain design. In *Central European Journal of Operations Research* (Number 0123456789). Springer Berlin Heidelberg. https://doi.org/10.1007/s10100-024-00926-z

Esteso, A., Alemany, M. M. E., Ortiz, Á., & Panetto, H. (2022). Increasing the Sustainability of a Fresh Vegetables Supply Chain Through the Optimization of Funding Programs: A Multi-Objective Mathematical Programming Approach. *Journal of Industrial Engineering and Management*, *15*(2), 256–274. https://doi.org/10.3926/jiem.3719

Feng, Y., Hu, Y., & He, L. (2021). Research on Coordination of Fresh Agricultural Product Supply Chain considering Fresh-Keeping Effort Level under Retailer Risk Avoidance. *Discrete Dynamics in Nature and Society*, *2021*. https://doi.org/10.1155/2021/5527215

Fiksel, J. (2003). Designing Resilient, Sustainable Systems. *Environmental Science and Technology*, *37*(23), 5330–5339. https://doi.org/10.1021/es0344819

Fizzanty, T., & Kusnandar. (2012). *Pengelolaan Logistik dalam Rantai pasok Produk Pangan Segar di Indonesia*. http://lpisurvey.worldbank.org

Folke, C., Carpenter, S. R., Walker, B., Scheffer, M., Chapin, T., & Rockström, J. (2010). *Resilience Thinking: Integrating Resilience, Adaptability and Transformability*. https://www.jstor.org/stable/26268226?seq=1&cid=pdf-

Fu, Q., Li, T., Cui, S., Liu, D., & Lu, X. (2018). Agricultural Multi-Water Source Allocation Model Based on Interval Two-Stage Stochastic Robust Programming under Uncertainty. *Water Resources Management*, *32*(4), 1261–1274. https://doi.org/10.1007/s11269-017-1868-2

Fuglie, K. (2015). Accounting for growth in global agriculture. *Bio-Based and*

Applied Economics, *4*(3), 201–234. https://doi.org/10.13128/BAE-17151

Gardas, B. B., Raut, R. D., & Narkhede, B. (2017a). Modeling causal factors of post-harvesting losses in vegetable and fruit supply chain: An Indian perspective. *Renewable and Sustainable Energy Reviews*, *80*(May), 1355–1371. https://doi.org/10.1016/j.rser.2017.05.259

Gardas, B. B., Raut, R. D., & Narkhede, B. (2017b). Modeling causal factors of post-harvesting losses in vegetable and fruit supply chain: An Indian perspective. In *Renewable and Sustainable Energy Reviews* (Vol. 80, pp. 1355–1371). Elsevier Ltd. https://doi.org/10.1016/j.rser.2017.05.259

Geng, N., & Lu, Y. (2024). Optimizing the Resilience of the Fresh Agricultural Product Supply Chain Considering Supply Chain Disruptions. *Research Square*.

Ghahremani-Nahr, J., Najafi, S. E., & Nozari, H. (2022). A Combined Transportation Model for the Fruit and Vegetable Supply Chain Network. *Journal of Optimization in Industrial Engineering*, *15*(2), 131–145. https://doi.org/10.22094/joie.2022.1948231.1925

Gholami-Zanjani, S. M., Klibi, W., Jabalameli, M. S., & Pishvaee, M. S. (2021a). The design of resilient food supply chain networks prone to epidemic disruptions. *International Journal of Production Economics*, *233*(October 2018), 108001. https://doi.org/10.1016/j.ijpe.2020.108001

Gholami-Zanjani, S. M., Klibi, W., Jabalameli, M. S., & Pishvaee, M. S. (2021b). The design of resilient food supply chain networks prone to epidemic disruptions. *International Journal of Production Economics*, *233*(October 2018), 108001. https://doi.org/10.1016/j.ijpe.2020.108001

Glover, J. L. (2010). Capital Usage in Adverse Situations: Applying Bourdieu's Theory of Capital to Family Farm Businesses. *Journal of Family and Economic Issues*, *31*(4), 485–497. https://doi.org/10.1007/s10834-010-9225-0

Guarnaschelli, A., Salomone, H. E., & Méndez, C. A. (2020). A stochastic approach for integrated production and distribution planning in dairy supply chains. *Computers and Chemical Engineering*, *140*.

https://doi.org/10.1016/j.compchemeng.2020.106966

Gülpinar, N., Pachamanova, D., & Çanakoglu, E. (2013). Robust strategies for facility location under uncertainty. *European Journal of Operational Research*, *225*(1), 21–35. https://doi.org/10.1016/j.ejor.2012.08.004

Gunantara, N. (2018). A review of multi-objective optimization: Methods and its applications. *Cogent Engineering*, *5*(1), 1–16. https://doi.org/10.1080/23311916.2018.1502242

Hillier, F. S., Lieberman, G. J., & Hillier, F. S. (n.d.). *Operations*.

Holling, C. S. (1973). *Resilience and Stability of Ecological Systems*.

Hossard, L., Fadlaoui, A., Ricote, E., & Belhouchette, H. (2021). Assessing the resilience of farming systems on the Saïs plain, Morocco. *Regional Environmental Change*. https://doi.org/10.1007/s10113-021-01764-4/Published

Hosseini, S., Ivanov, D., & Blackhurst, J. (2020). Conceptualization and Measurement of Supply Chain Resilience in an Open-System Context. *IEEE Transactions on Engineering Management*. https://doi.org/10.1109/TEM.2020.3026465

Hosseini, S., Ivanov, D., & Dolgui, A. (2019). Review of quantitative methods for supply chain resilience analysis. *Transportation Research Part E: Logistics and Transportation Review*, *125*, 285–307. https://doi.org/10.1016/j.tre.2019.03.001

Imbiri, S., Rameezdeen, R., Chileshe, N., & Statsenko, L. (2021). A novel taxonomy for risks in agribusiness supply chains: A systematic literature review. *Sustainability (Switzerland)*, *13*(16). https://doi.org/10.3390/su13169217

Indriani, R., Darma, R., & Musa, Y. (2019). *Mekanisme rantai pasok cabe rawit di Provinsi Gorontalo* (Vol. 15, Number 1).

Irawan, B. (2007). FLUKTUASI HARGA, TRANSMISI HARGA DAN MARJIN PEMASARAN SAYURAN DAN BUAH. In *Analisis Kebijakan Pertanian* (Vol. 5, Number 4).

Ivanov, D. (2018). *Structural Dynamics and Resilience in Supply Chain Risk Management* (Vol. 265). Springer International Publishing. https://doi.org/10.1007/978-3-319-69305-7

Ivanov, D. (2021). *Classroom Companion: Business Introduction to Supply Chain Resilience Management, Modelling, Technology*. https://doi.org/10.1007/978-3-030-70490-2

Ivanov, D., Sokolov, B., & Kaeschel, J. (2010). A multi-structural framework for adaptive supply chain planning and operations control with structure dynamics considerations. *European Journal of Operational Research*, *200*(2), 409–420. https://doi.org/10.1016/j.ejor.2009.01.002

Jayne, T. S., Fox, L., & Fuglie. (2021). Agricultural Productivity Growth, Resilience, and Economic Transformation in Sub-Saharan Africa Implications for USAID. *United States Agency for Interna, Keith Adelaja, Adesoji Anderson, Pamela Ash, James Bertram, Rob Brooks, Karen Cohen, Clara Deaton, Brady Ejeta, Gebisa Hertel, Thomas Keenum, Mark Lackey, Richard Martinez Romero, Lourdestional Development/Board for Inter*, 104.

Jena, P. R., Tanti, P. C., & Maharjan, K. L. (2023). Determinants of adoption of climate resilient practices and their impact on yield and household income. *Journal of Agriculture and Food Research*, *14*(December 2022), 100659. https://doi.org/10.1016/j.jafr.2023.100659

Jin, S., Huang, J., & Waibel, H. (2020). Location and economic resilience in rubber farming communities in southwest China. *China Agricultural Economic Review*, *13*(2), 367–396. https://doi.org/10.1108/CAER-06-2020-0153

Kantamaneni, K., Rice, L., Yenneti, K., & Campos, L. C. (2020). Assessing the vulnerability of agriculture systems to climate change in coastal areas: A novel index. *Sustainability (Switzerland)*, *12*(11). https://doi.org/10.3390/su12114771

Karyani, T., Utami, H. N., Sadeli, A. H., Rasmikayati, E., & Syamsiyah, N. (2016). *MANGO AGRICULTURAL SUPPLY CHAIN: ACTORS, BUSINESS PROCESS, AND FINANCING SCHEME*.

Kiliç, Y. E., & Tuzkaya, U. R. (2015). A two-stage stochastic mixed-integer programming approach to physical distribution network design. *International Journal of Production Research*, *53*(4), 1291–1306. https://doi.org/10.1080/00207543.2014.957871

Kleywegt, A. J., & Shapiro, A. (2003a). *Stochastic Optimization*.

Kleywegt, A. J., & Shapiro, A. (2003b). *Stochastic Optimization*.

Komarek, A. M., de Pinto, A., & Smith, V. H. (2020). A review of types of risks in agriculture: What we know and what we need to know. In *Agricultural Systems* (Vol. 178). Elsevier Ltd. https://doi.org/10.1016/j.agsy.2019.102738

Lawrence, E., Dawoe, K., Monastyrnaya, E., & Zurich, E. (2016). *Assessing the Resilience of the Cocoa Value Chain in Ghana*. https://doi.org/10.13140/RG.2.2.33324.67206

Li, Z., & Zhang, C. (2024). Designing a two-stage model for the resilient agri-food supply chain network under dynamic competition. *British Food Journal*, *126*(2), 662–681. https://doi.org/10.1108/BFJ-12-2022-1135

Li, Z., & Zhao, P. (2023). Designing a resilient retail supply network for fresh products under disruption risks. *Frontiers in Public Health*, *11*(April 2020). https://doi.org/10.3389/fpubh.2023.1099227

Liu, Z., & Chen, J. K. (2023a). Financial Resilience in China: Conceptual Framework, Risk and Protective Factors, and Empirical Evidence. *Journal of Family and Economic Issues*, (0123456789). https://doi.org/10.1007/s10834-023-09943-7

Liu, Z., & Chen, J. K. (2023b). Financial Resilience in China: Conceptual Framework, Risk and Protective Factors, and Empirical Evidence. *Journal of Family and Economic Issues*, (0123456789). https://doi.org/10.1007/s10834-023-09943-7

Ma, H. (n.d.). *Optimization of Crop Planting Strategies Based on Linear Programming and Monte Carlo Simulation*. https://doi.org/10.25236/icemeet.2024.031

Ma, X., Bai, Q., Islam, S. M., Wang, S., & Liu, X. (2019). Coordinating a three-

echelon fresh agricultural products supply chain considering freshness-keeping effort with asymmetric information. *Applied Mathematical Modelling*, *67*(2), 337–356. https://doi.org/10.1016/j.apm.2018.10.028

Mahajan, P. v., Caleb, O. J., Singh, Z., Watkins, C. B., & Geyer, M. (2014). Postharvest treatments of fresh produce. *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences*, *372*(2017). https://doi.org/10.1098/rsta.2013.0309

Mailena, L., Indrawanto, C., & Astuti, E. P. (2021). Risk management of chilli supply chains using weighted failure mode effect analysis. *IOP Conference Series: Earth and Environmental Science*, *782*(2). https://doi.org/10.1088/1755-1315/782/2/022004

Mandal, A. (2022). Varying Profitability and Determinants of Gram Crop Using Cost of Cultivation Data: A Fixed Effect Approach. *Agricultural Research*, *11*(3), 557–564. https://doi.org/10.1007/s40003-021-00589-1

Manning, L., & Monaghan, J. (2019). Integrity in the fresh produce supply chain: solutions and approaches to an emerging issue. In *Journal of Horticultural Science and Biotechnology* (Vol. 94, Number 4, pp. 413–421). Taylor and Francis Ltd. https://doi.org/10.1080/14620316.2019.1574613

Martin, R., Sunley, P., Gardiner, B., & Tyler, P. (2016). How Regions React to Recessions: Resilience and the Role of Economic Structure. *Regional Studies*, *50*(4), 561–585. https://doi.org/10.1080/00343404.2015.1136410

McLeod, R. H., & Rosdaniah, S. (2018). An evaluation of some key economic policies. *Bulletin of Indonesian Economic Studies*, *54*(3), 279–306. https://doi.org/10.1080/00074918.2018.1548245

Melkonyan, A., Krumme, K., Gruchmann, T., & De La Torre, G. (2017). Sustainability assessment and climate change resilience in food production and supply. *Energy Procedia*, *123*, 131–138. https://doi.org/10.1016/j.egypro.2017.07.236

Meuwissen, M. P. M., Feindt, P. H., Spiegel, A., Termeer, C. J. A. M., Mathijs, E., de Mey, Y., Finger, R., Balmann, A., Wauters, E., Urquhart, J., Vigani, M.,

Zawalińska, K., Herrera, H., Nicholas-Davies, P., Hansson, H., Paas, W., Slijper, T., Coopmans, I., Vroege, W., … Reidsma, P. (2019). A framework to assess the resilience of farming systems. *Agricultural Systems*, *176*. https://doi.org/10.1016/j.agsy.2019.102656

Moazzam, M., Akhtar, P., Garnevska, E., & Marr, N. E. (2018). Measuring agri-food supply chain performance and risk through a new analytical framework: a case study of New Zealand dairy. *Production Planning and Control*, *29*(15), 1258–1274. https://doi.org/10.1080/09537287.2018.1522847

Mogale, D. G., Kumar, S. K., & Tiwari, M. K. (2020). Green food supply chain design considering risk and post-harvest losses: a case study. *Annals of Operations Research*, *295*(1). https://doi.org/10.1007/s10479-020-03664-y

Muflikh, Y. N., Adhikari, R., & Abdul Aziz, A. (2022). Governance structures and price volatility perceptions in the Indonesian chilli value chain. *Journal of Agribusiness in Developing and Emerging Economies*. https://doi.org/10.1108/JADEE-08-2021-0198

Muflikh, Y. N., Smith, C., & Aziz, A. A. (2021). A systematic review of the contribution of system dynamics to value chain analysis in agricultural development. In *Agricultural Systems* (Vol. 189). Elsevier Ltd. https://doi.org/10.1016/j.agsy.2020.103044

Muflikh, Y. N., Smith, C., Brown, C., & Aziz, A. A. (2021a). Analysing price volatility in agricultural value chains using systems thinking: A case study of the Indonesian chilli value chain. *Agricultural Systems*, *192*. https://doi.org/10.1016/j.agsy.2021.103179

Muflikh, Y. N., Smith, C., Brown, C., & Aziz, A. A. (2021b). Analysing price volatility in agricultural value chains using systems thinking: A case study of the Indonesian chilli value chain. *Agricultural Systems*, *192*. https://doi.org/10.1016/j.agsy.2021.103179

Musavi, M. M., & Bozorgi-Amiri, A. (2017). A multi-objective sustainable hub location-scheduling problem for perishable food supply chain. *Computers and Industrial Engineering*, *113*. https://doi.org/10.1016/j.cie.2017.07.039

Mzyece, A., & Ng'ombe, J. N. (2021). Crop diversification improves technical efficiency and reduces income variability in Northern Ghana. *Journal of Agriculture and Food Research*, *5*(May), 100162. https://doi.org/10.1016/j.jafr.2021.100162

Nagasawa, H., Kotani, M., & Morizawa, K. (2009). Optimal cooperative harvesting patterns of agricultural fresh products in case of multiple farmers and multiple markets under periodical flowering. *Journal of the Operations Research Society of Japan*, *52*(4), 417–432. https://doi.org/10.15807/jorsj.52.417

Naseer, M. A. ur R., Ashfaq, M., Hassan, S., Abbas, A., Razzaq, A., Mehdi, M., Ariyawardana, A., & Anwar, M. (2019). Critical issues at the upstream level in sustainable supply chain management of agri-food industries: Evidence from Pakistan's citrus industry. *Sustainability (Switzerland)*, *11*(5). https://doi.org/10.3390/su11051326

Nera, E., Paas, W., Reidsma, P., Paolini, G., Antonioli, F., & Severini, S. (2020). Assessing the resilience and sustainability of a hazelnut farming system in central Italy with a participatory approach. *Sustainability (Switzerland)*, *12*(1). https://doi.org/10.3390/SU12010343

Nicholas-Davies, P., Fowler, S., Midmore, P., Coopmans, I., Draganova, M., Petitt, A., & Senni, S. (2021). Evidence of resilience capacity in farmers' narratives: Accounts of robustness, adaptability and transformability across five different European farming systems. *Journal of Rural Studies*, *88*(April 2020), 388–399. https://doi.org/10.1016/j.jrurstud.2021.07.027

Nikookar, H., Takala, J., Sahebi, D., & Kantola, J. (2014). A Qualitative Approach for Assessing Resiliency in Supply Chains. *Management and Production Engineering Review*, *5*(4), 36–45. https://doi.org/10.2478/mper-2014-0034

Panpakdee, C., Limnirankul, B., & Kramol, P. (2021). Assessing the Social-ecological Resilience of Organic Farmers in Chiang Mai Province, Thailand. *Forest and Society*, 631–649. https://doi.org/10.24259/fs.v5i2.13268

Pastusiak, R., Jasiniak, M., Soliwoda, M., & Stawska, J. (2017). What may determine the off-farm income? A review. *Agricultural Economics (Czech*

Republic), *63*(8), 380–391. https://doi.org/10.17221/123/2016-AGRICECON

Patidar, R., & Agrawal, S. (2020). A mathematical model formulation to design a traditional Indian agri-fresh food supply chain: a case study problem. *Benchmarking*, *27*(8). https://doi.org/10.1108/BIJ-01-2020-0013

Peng, L., Tan, J., Deng, W., & Liu, Y. (2020). Understanding the resilience of different farming strategies in coping with geo-hazards: A case study in chongqing, china. *International Journal of Environmental Research and Public Health*, *17*(4). https://doi.org/10.3390/ijerph17041226

Perdana, T., Tjahjono, B., Kusnandar, K., Sanjaya, S., Wardhana, D., & Hermiatin, F. R. (2023a). Fresh agricultural product logistics network governance: insights from small-holder farms in a developing country. *International Journal of Logistics Research and Applications*, *26*(12), 1761–1784. https://doi.org/10.1080/13675567.2022.2107625

Perdana, T., Tjahjono, B., Kusnandar, K., Sanjaya, S., Wardhana, D., & Hermiatin, F. R. (2023b). Fresh agricultural product logistics network governance: insights from small-holder farms in a developing country. *International Journal of Logistics Research and Applications*, *26*(12), 1761–1784. https://doi.org/10.1080/13675567.2022.2107625

Perrin, A., & Martin, G. (2021). Resilience of French organic dairy cattle farms and supply chains to the Covid-19 pandemic. *Agricultural Systems*, *190*(February), 103082. https://doi.org/10.1016/j.agsy.2021.103082

Perrin, A., Milestad, R., & Martin, G. (2020). Resilience applied to farming: Organic farmers' perspectives. *Ecology and Society*, *25*(4), 1–17. https://doi.org/10.5751/ES-11897-250405

Pires Ribeiro, J., & Barbosa-Povoa, A. (2018). Supply Chain Resilience: Definitions and quantitative modelling approaches – A literature review. In *Computers and Industrial Engineering* (Vol. 115, pp. 109–122). Elsevier Ltd. https://doi.org/10.1016/j.cie.2017.11.006

Quendler, E., & Morkūnas, M. (2020). The Economic Resilience of the Austrian Agriculture since the EU Accession. *Journal of Risk and Financial*

Management, *13*(10). https://doi.org/10.3390/jrfm13100236

Ravulakollu, A. K., Urciuoli, L., Rukanova, B., Tan, Y. H., & Hakvoort, R. A. (2018). Risk based framework for assessing resilience in a complex multi-actor supply chain domain. *Supply Chain Forum*, *19*(4), 266–281. https://doi.org/10.1080/16258312.2018.1540913

Ray, P. (2021). Agricultural Supply Chain Risk Management Under Price and Demand Uncertainty. *International Journal of System Dynamics Applications*, *10*(2). https://doi.org/10.4018/ijsda.2021040102

Reis, S. A. dos, Leal, J. E., & Thomé, A. M. T. (2023). A Two-Stage Stochastic Linear Programming Model for Tactical Planning in the Soybean Supply Chain. *Logistics*, *7*(3). https://doi.org/10.3390/logistics7030049

Ricart, S., Castelletti, A., & Gandolfi, C. (2022). On farmers' perceptions of climate change and its nexus with climate data and adaptive capacity. A comprehensive review. *Environmental Research Letters*, *17*(8). https://doi.org/10.1088/1748-9326/ac810f

Rong, A., Akkerman, R., & Grunow, M. (2011). An optimization approach for managing fresh food quality throughout the supply chain. *International Journal of Production Economics*, *131*(1), 421–429. https://doi.org/10.1016/j.ijpe.2009.11.026

Rose, A. (2004). Defining and measuring economic resilience to disasters. *Disaster Prevention and Management: An International Journal*, *13*(4), 307–314. https://doi.org/10.1108/09653560410556528

Rose, A. (2007). Economic resilience to natural and man-made disasters: Multidisciplinary origins and contextual dimensions. *Environmental Hazards*, *7*(4), 383–398. https://doi.org/10.1016/j.envhaz.2007.10.001

Sabin, S., Amani, A., Paraison, G., Brito, D. L., Vergara, M. M., Santos, G. F., Chin, C., & Morikawa, R. (2022). Smallholder farmer resilience: a multi-year multidimensional study in the Dominican Republic and Haiti. *Trees, Forests and People*, *7*, 100189. https://doi.org/10.1016/j.tfp.2021.100189

Santosa, B., & Willy, P. (2011). *Metoda Metaheuristik Konsep dan Implementasi*.

Guna Widya.

Santoso, T., Ahmed, S., Goetschalckx, M., & Shapiro, A. (2005). A stochastic programming approach for supply chain network design under uncertainty. *European Journal of Operational Research*, *167*(1), 96–115. https://doi.org/10.1016/j.ejor.2004.01.046

Sawik, T. (2013). Selection of resilient supply portfolio under disruption risks. *Omega (United Kingdom)*, *41*(2), 259–269. https://doi.org/10.1016/j.omega.2012.05.003

Sazvar, Z., Tafakkori, K., Oladzad, N., & Nayeri, S. (2021). A capacity planning approach for sustainable-resilient supply chain network design under uncertainty: A case study of vaccine supply chain. *Computers and Industrial Engineering*, *159*. https://doi.org/10.1016/j.cie.2021.107406

Scholten, K., & Schilder, S. (2015). The role of collaboration in supply chain resilience. *Supply Chain Management*, *20*(4), 471–484. https://doi.org/10.1108/SCM-11-2014-0386

Sharma, R., Shishodia, A., Kamble, S., Gunasekaran, A., & Belhadi, A. (2020). Agriculture supply chain risks and COVID-19: mitigation strategies and implications for the practitioners. *International Journal of Logistics Research and Applications*. https://doi.org/10.1080/13675567.2020.1830049

Shukla, M., & Jharkharia, S. (2013). Agri-fresh produce supply chain management: A state-of-the-art literature review. *International Journal of Operations and Production Management*, *33*(2), 114–158. https://doi.org/10.1108/01443571311295608

Sneessens, I., Sauvée, L., Randrianasolo-Rakotobe, H., & Ingrand, S. (2019). A framework to assess the economic vulnerability of farming systems: Application to mixed crop-livestock systems. *Agricultural Systems*, *176*. https://doi.org/10.1016/j.agsy.2019.102658

Song, Z., & He, S. (2019a). Contract coordination of new fresh produce three-layer supply chain. *Industrial Management and Data Systems*, *119*(1), 148–169. https://doi.org/10.1108/IMDS-12-2017-0559

Song, Z., & He, S. (2019b). Contract coordination of new fresh produce three-layer supply chain. *Industrial Management and Data Systems*, *119*(1), 148–169. https://doi.org/10.1108/IMDS-12-2017-0559

Soni, U., Jain, V., & Kumar, S. (2014). Measuring supply chain resilience using a deterministic modeling approach. *Computers and Industrial Engineering*, *74*(1), 11–25. https://doi.org/10.1016/j.cie.2014.04.019

Soriano, B., Garrido, A., Bertolozzi-Caredio, D., Accatino, F., Antonioli, F., Krupin, V., Meuwissen, M. P. M., Ollendorf, F., Rommel, J., Spiegel, A., Tudor, M., Urquhart, J., Vigani, M., & Bardají, I. (2023). Actors and their roles for improving resilience of farming systems in Europe. *Journal of Rural Studies*, *98*(May 2022), 134–146. https://doi.org/10.1016/j.jrurstud.2023.02.003

Spall, J. C. (2012). Stochastic Optimization. In *Handbook of Computational Statistics* (pp. 173–201). Springer Berlin Heidelberg. https://doi.org/10.1007/978-3-642-21551-3_7

Spicka, J., Hlavsa, T., Soukupova, K., & Stolbova, M. (2019). Approaches to estimation the farm-level economic viability and sustainability in agriculture: A literature review. *Agricultural Economics (Czech Republic)*, *65*(6), 289–297. https://doi.org/10.17221/269/2018-AGRICECON

Spiegel, A., Slijper, T., de Mey, Y., Meuwissen, M. P. M., Poortvliet, P. M., Rommel, J., Hansson, H., Vigani, M., Soriano, B., Wauters, E., Appel, F., Antonioli, F., Gavrilescu, C., Gradziuk, P., Finger, R., & Feindt, P. H. (2021). Resilience capacities as perceived by European farmers. *Agricultural Systems*, *193*(July). https://doi.org/10.1016/j.agsy.2021.103224

Spiegler, V. L. M., Potter, A. T., Naim, M. M., & Towill, D. R. (2016). The value of nonlinear control theory in investigating the underlying dynamics and resilience of a grocery supply chain. *International Journal of Production Research*, *54*(1), 265–286. https://doi.org/10.1080/00207543.2015.1076945

Stadtler, H. (2009). A framework for collaborative planning and state-of-the-art. *OR Spectrum*, *31*(1), 5–30. https://doi.org/10.1007/s00291-007-0104-5

Suhaeni, & Andayani, S. A. (2021). Analytical Hierarchy Process to Assess the Supply Chain Risk for Improving Sustainability of Shallot Agribusiness in Low Land Area. *IOP Conference Series: Earth and Environmental Science*, *748*(1). https://doi.org/10.1088/1755-1315/748/1/012008

Suharjito, Marimin, Machfud, Haryanto, B., & Sukardi. (2010). Identifikasi dan Evaluasi Risiko Manajemen Rantai Pasok Komoditas Jagung dengan Pendekatan Logika Fuzzy. *Jurnal Manajemen Dan Organisasi*, (2).

Susanawati, Akhmadi, H., Fauzan, M., & Rozaki, Z. (2021). Supply chain efficiency of red chili based on the performance measurement system in Yogyakarta, Indonesia. *Open Agriculture*, *6*(1), 202–211. https://doi.org/10.1515/opag-2021-0224

Susanto, E., & Othman, N. A. (2021). The factors influencing modeling of collaborative performance supply chain: A review on fresh produce. *Uncertain Supply Chain Management*, *9*(2), 373–392. https://doi.org/10.5267/j.uscm.2021.2.005

Taşkıner, T., & Bilgen, B. (2021). Optimization Models for Harvest and Production Planning in Agri-Food Supply Chain: A Systematic Review. *Logistics*, *5*(3), 52. https://doi.org/10.3390/logistics5030052

Tendall, D. M., Joerin, J., Kopainsky, B., Edwards, P., Shreck, A., Le, Q. B., Kruetli, P., Grant, M., & Six, J. (2015). Food system resilience: Defining the concept. *Global Food Security*, *6*, 17–23. https://doi.org/10.1016/j.gfs.2015.08.001

Thanh, P. T., The Duy, D., & Bao Duong, P. (2022). Disruptions to agricultural activities, income loss and food insecurity during the COVID-19 pandemic: evidence from farm households in a developing country. *Journal of Agribusiness in Developing and Emerging Economies*, *12*(3), 531–547. https://doi.org/10.1108/JADEE-09-2021-0243

Torabi, S. A., Baghersad, M., & Mansouri, S. A. (2015). Resilient supplier selection and order allocation under operational and disruption risks. *Transportation Research Part E: Logistics and Transportation Review*, *79*, 22–48.

https://doi.org/10.1016/j.tre.2015.03.005

Toth, A., Rendall, S., & Reitsma, F. (2016). Resilient food systems: a qualitative tool for measuring food resilience. *Urban Ecosystems*, *19*(1), 19–43. https://doi.org/10.1007/s11252-015-0489-x

Trivedi, A., Sohal, A., Joshi, S., & Sharma, M. (2021a). A two-stage optimization model for tactical planning in fresh fruit supply chains: A case study of Kullu, India. *International Journal of Supply and Operations Management*, *8*(1), 18–28. https://doi.org/10.22034/IJSOM.2021.1.2

Trivedi, A., Sohal, A., Joshi, S., & Sharma, M. (2021b). A two-stage optimization model for tactical planning in fresh fruit supply chains: A case study of Kullu, India. *International Journal of Supply and Operations Management*, *8*(1), 18–28. https://doi.org/10.22034/IJSOM.2021.1.2

Tsao, Y. C. (2013). Designing a fresh food supply chain network: An application of nonlinear programming. *Journal of Applied Mathematics*, *2013*. https://doi.org/10.1155/2013/506531

Tsiakis, P., Shah, N., & Pantelides, C. C. (2001). Design of multi-echelon supply chain networks under demand uncertainty. *Industrial and Engineering Chemistry Research*, *40*(16), 3585–3604. https://doi.org/10.1021/ie0100030

Tsurayya, S., & Kartika, L. (2015). Kelembagaan dan strategi peningkatan komoditas cabai Kabupaten Garut. *Jurnal Manajemen Dan Agribisnis*, *12*(1), 1–12. https://doi.org/10.17358/jma.12.1.1

Van Hecke, B. (2018). *Defining and Measuring Resilience of Smallholder Farm Households in Tanzania*. Universiteit Gent.

van Voorn, G., Hengeveld, G., & Verhagen, J. (2020). An agent based model representation to assess resilience and efficiency of food supply chains. *PLoS ONE*, *15*(11 November). https://doi.org/10.1371/journal.pone.0242323

Vlajic, J. V., Van Der Vorst, J. G. A. J., & Haijema, R. (2012). A framework for designing robust food supply chains. *International Journal of Production Economics*, *137*(1), 176–189. https://doi.org/10.1016/j.ijpe.2011.11.026

Volkov, A., Žičkienė, A., Morkunas, M., Baležentis, T., Ribašauskienė, E., &

Streimikiene, D. (2021). A multi-criteria approach for assessing the economic resilience of agriculture: The case of Lithuania. *Sustainability (Switzerland)*, *13*(4), 1–16. https://doi.org/10.3390/su13042370

Walker, B., Holling, C. S., Carpenter, S. R., & Kinzig, A. (2004). *Resilience, Adaptability and Transformability in Social-ecological Systems* (Vol. 9, Number 2). and Society. https://about.jstor.org/terms

Widhianti, Y., Masruroh, N. A., & Darmawan, A. (2025). Assessing the economic resilience of chili farmers through income analysis. *Cogent Food and Agriculture*, *11*(1). https://doi.org/10.1080/23311932.2025.2487207

Wieland, A., & Wallenburg, C. M. (2013). The influence of relational competencies on supply chain resilience: A relational view. *International Journal of Physical Distribution and Logistics Management*, *43*(4), 300–320. https://doi.org/10.1108/IJPDLM-08-2012-0243

World Bank Group. (2019). Productive Diversification of African Agriculture and Its Effects on Resilience and Nutrition. In *Productive Diversification of African Agriculture and Its Effects on Resilience and Nutrition*. https://doi.org/10.1596/30262

Yadav, V. S., Singh, A. R., Gunasekaran, A., Raut, R. D., & Narkhede, B. E. (2022). A systematic literature review of the agro-food supply chain: Challenges, network design, and performance measurement perspectives. In *Sustainable Production and Consumption* (Vol. 29, pp. 685–704). Elsevier B.V. https://doi.org/10.1016/j.spc.2021.11.019

Yan, B., Chen, X., Cai, C., & Guan, S. (2020). Supply chain coordination of fresh agricultural products based on consumer behavior. *Computers and Operations Research*, *123*. https://doi.org/10.1016/j.cor.2020.105038

Yang, Q., Zhang, P., Ma, Z., Liu, D., & Guo, Y. (2022). Agricultural Economic Resilience in the Context of International Food Price Fluctuation—An Empirical Analysis on the Main Grain–Producing Areas in Northeast China. *Sustainability*, *14*(21), 14102. https://doi.org/10.3390/su142114102