

## DAFTAR PUSTAKA

- Abualigah, L., Hanandeh, E.S., Zitar, R.A., Thanh, C.L., Khatir, S. and Gandomi, A.H., 2023. Revolutionizing sustainable supply chain management: A review of metaheuristics. *Engineering Applications of Artificial Intelligence*, 126, p.106839.
- Adiandri, R.S., TP, S., Rahayu, E., S TP, M.T., Sofiah, I. and TP, S., 2023. Warta BSIP Pascapanen Edisi Triwulan 2 2023: Warta BSIP Pascapanen Edisi Triwulan 2 2023. *Warta BSIP Pascapanen*, 1(1), pp.24-56.
- Anton, Gunarto and Subiyanto (1982) Penyusutan bahan pangan (beras) lepas panen. *Majalah BPPT (I)*. pp. 1-7. ISSN 0216-6569
- Augusto, O.B., Bennis, F. and Caro, S., 2012. A new method for decision making in multi-objective optimization problems. *Pesquisa Operacional*, 32, pp.331-369.
- Bandyopadhyay, S., Saha, S., Maulik, U. and Deb, K., 2008. A simulated annealing-based multiobjective optimization algorithm: AMOSA. *IEEE transactions on evolutionary computation*, 12(3), pp.269-283.
- BPS. 2020. Luas panen dan produksi padi di Indonesia 2019. *Berita Resmi Statistik*. Jakarta.
- BPS. 2022. Distribusi Perdagangan Komoditas Beras di Indonesia 2022. *Berita Resmi Statistik*. Jakarta.
- Chopra, S., & Meindl, P. 2016. *Supply Chain Management: Strategy, Planning, and Operation*. (6th ed.) Pearson Education.
- Consoli, S. and Darby-Dowman, K., 2006. *Combinatorial optimization and metaheuristics*. Brunel University.
- Deb, K., Sindhya, K. and Hakanen, J., 2016. *Multi-objective optimization*. In *Decision sciences* (pp. 161-200). CRC Press.
- Dellaert, N., Van Woensel, T., Crainic, T.G. and Saridarq, F.D., 2021. A multi-commodity two-echelon capacitated vehicle routing problem with time windows: Model formulations and solution approach. *Computers & Operations Research*, 127, p.105154.
- Elyasi, A. and Teimoury, E., 2023. Applying Critical Systems Practice meta-methodology to improve sustainability in the rice supply chain of Iran. *Sustainable Production and Consumption*, 35, pp.453-468.

- FAO. 2022. World Food and Agriculture – Statistical Yearbook 2022. Rome. <https://doi.org/10.4060/cc2211en>
- Febryani, E., Suseno, Y.D. and Widajanti, E., 2020. Analisis Manajemen Rantai Pasokan Beras Perum Bulog Subdivre III Surakarta. *Jurnal Ekonomi Dan Kewirausahaan*, 20, pp.121-130.
- Frey, C.M., Jungwirth, A., Frey, M. and Kolisch, R., 2023. The vehicle routing problem with time windows and flexible delivery locations. *European Journal of Operational Research*, 308(3), pp.1142-1159.
- Gu, W., Cattaruzza, D., Ogier, M. and Semet, F., 2019. Adaptive large neighborhood search for the commodity constrained split delivery VRP. *Computers & Operations Research*, 112, p.104761.
- Gunantara, N., 2018. A review of multi-objective optimization: Methods and its applications. *Cogent Engineering*, 5(1), p.1502242.
- Hussain, M.Z., Khan, S. and Sarmah, P., 2018. Evaluation of erosive wear rate of Al<sub>2</sub>O<sub>3</sub>/Cu composite through Taguchi method. *Adv Mater Manuf Charact*, 8(2), pp.102-108.
- Juan, A.A., Goentzel, J. and Bektaş, T., 2014. Routing fleets with multiple driving ranges: Is it possible to use greener fleet configurations?. *Applied Soft Computing*, 21, pp.84-94.
- Kawasaki, K. and Uchida, S., 2016. Quality matters more than quantity: asymmetric temperature effects on crop yield and quality grade. *American Journal of Agricultural Economics*, 98(4), pp.1195-1209.
- Koç, Ç., Bektaş, T., Jabali, O. and Laporte, G., 2014. The fleet size and mix pollution-routing problem. *Transportation Research Part B: Methodological*, 70, pp.239-254.
- Koç, Ç., Bektaş, T., Jabali, O. and Laporte, G., 2016. Thirty years of heterogeneous vehicle routing. *European Journal of Operational Research*, 249(1), pp.1-21.
- Konstantakopoulos, G.D., Gayialis, S.P. and Kechagias, E.P., 2020. Vehicle routing problem and related algorithms for logistics distribution: A literature review and classification. *Operational research*, pp.1-30.
- Kopfer, H.W., Schönberger, J. and Kopfer, H., 2014. Reducing greenhouse gas emissions of a heterogeneous vehicle fleet. *Flexible Services and Manufacturing Journal*, 26, pp.221-248.
- Kumar, M.V. and Iyengar, N.C.S., 2017. A framework for Blockchain technology in rice supply chain management. *Adv. Sci. Technol. Lett*, 146, pp.125-130.

- Kuo, R.J., Edbert, E., Zulvia, F.E. and Lu, S.H., 2023. Applying NSGA-II to vehicle routing problem with drones considering makespan and carbon emission. *Expert Systems with Applications*, 221, p.119777.
- Laporte, G., 1992. The vehicle routing problem: An overview of exact and approximate algorithms. *European journal of operational research*, 59(3), pp.345-358.
- Li, J., Ma, Y., Gao, R., Cao, Z., Lim, A., Song, W. and Zhang, J., 2021. Deep reinforcement learning for solving the heterogeneous capacitated vehicle routing problem. *IEEE Transactions on Cybernetics*, 52(12), pp.13572-13585.
- Lwin, K.T., Qu, R. and MacCarthy, B.L., 2017. Mean-VaR portfolio optimization: A nonparametric approach. *European Journal of Operational Research*, 260(2), pp.751-766.
- Mahbubi, A., 2013. Model dinamis supply chain beras berkelanjutan dalam upaya ketahanan pangan nasional. *Jurnal Manajemen & Agribisnis*, 10(2), pp.81-89.
- Mara, S.T.W., Norcahyo, R., Jodiawan, P., Lusiantoro, L. and Rifai, A.P., 2022. A survey of adaptive large neighborhood search algorithms and applications. *Computers & Operations Research*, 146, p.105903.
- Marinelli, M., Colovic, A. and Dell'Orco, M., 2018. A novel dynamic programming approach for two-echelon capacitated vehicle routing problem in city logistics with environmental considerations. *Transportation research procedia*, 30, pp.147-156.
- Mohsin, I., He, K., Li, Z., Zhang, F. and Du, R., 2020. Optimization of the polishing efficiency and torque by using Taguchi method and ANOVA in robotic polishing. *Applied Sciences*, 10(3), p.824.
- Mutar, M.L., Burhanuddin, A., HAMEED, S., Yusof, N., Alrifai, M.F. and Mohammed, A.A., 2020. Multi-objectives ant colony system for solving multi-objectives capacitated vehicle routing problem. *Journal of Theoretical and Applied Information Technology*, 98(24).
- Nssibi, M., Manita, G. and Korbaa, O., 2023. Advances in nature-inspired metaheuristic optimization for feature selection problem: A comprehensive survey. *Computer Science Review*, 49, p.100559.
- Pasha, J., Nwodu, A.L., Fathollahi-Fard, A.M., Tian, G., Li, Z., Wang, H. and Dulebenets, M.A., 2022. Exact and metaheuristic algorithms for the vehicle routing problem with a factory-in-a-box in multi-objective settings. *Advanced Engineering Informatics*, 52, p.101623.

- Praveen, V., Keerthika, P., Sivapriya, G., Sarankumar, A. and Bhasker, B., 2022. Vehicle routing optimization problem: a study on capacitated vehicle routing problem. *Materials Today: Proceedings*, 64, pp.670-674.
- Primasatya, A., Kalaba, Y. and Sulaeman, S., 2020. Analisis Rantai Pasokan Beras pada Penggilingan Padi Lokakarya di Desa Dolago Padang Kecamatan Parigi Selatan Kabupaten Parigi Moutong. *Agrotekbis: E-Jurnal Ilmu Pertanian*, 8(4), pp.757-764.
- Priono, R. and Amal, S., 2022, August. Strategi Pengembangan Rantai Pasok (Supply Chain) Dan Rantai Nilai (Value Chain) Komoditi Padi (Oryza Sativa) Di Kabupaten Jombang (Studi Kasus Di Kabupaten Jombang). In *Seminar Keinsinyuran Program Studi Program Profesi Insinyur (Vol. 2, No. 1)*.
- Putro, P.A.W., Purwaningsih, E.K., Sensuse, D.I. and Suryono, R.R., 2022. Model and implementation of rice supply chain management: A literature review. *Procedia Computer Science*, 197, pp.453-460.
- Ramadhani, F. W. 2024. 'Multivehicle Capacitated Vehicle Routing Problem Komoditas Beras di Indonesia dengan Mempertimbangkan Faktor Emisi Karbon dan Kerusakan Akibat Cuaca'. Gadjah Mada University.
- Ramadhani, F. W., Sari, W, P., Darmawan, A., Rifai, A, P., 2024. Multi-Vehicle Capacitated Vehicle Routing Problem For Rice Commodities In Indonesia Considering The Factors Of Weather-Induced Damages And Carbon Emissions. *ASEAN Engineering Journal*, pp.195-207.
- Ratnawati, R., Djaeni, M. and Hartono, D., 2013. Perubahan kualitas beras selama penyimpanan (change of rice quality during storage). *Jurnal Pangan*, 22(3), pp.199-208.
- Rifai, A.P., Mara, S.T.W. and Sudiarso, A., 2021. Multi-objective distributed reentrant permutation flow shop scheduling with sequence-dependent setup time. *Expert Systems with Applications*, 183, p.115339.
- Rifai, A.P., Nguyen, H.T. and Dawal, S.Z.M., 2016. Multi-objective adaptive large neighborhood search for distributed reentrant permutation flow shop scheduling. *Applied Soft Computing*, 40, pp.42-57.
- Ropke, S. and Pisinger, D., 2006. An adaptive large neighborhood search heuristic for the pickup and delivery problem with time windows. *Transportation science*, 40(4), pp.455-472.
- Sahraeian, R. and Esmaeili, M., 2018. A multi-objective two-echelon capacitated vehicle routing problem for perishable products. *Journal of Industrial and Systems Engineering*, 11(2), pp.62-84.

- Sharma, V., Giri, S. and Rai, S.S., 2013. Supply chain management of rice in India: a rice processing company's perspective. *International Journal of Managing Value and Supply Chains*, 4(1), p.25.
- Shi, Y., Liu, W. and Zhou, Y., 2023. An adaptive large neighborhood search based approach for the vehicle routing problem with zone-based pricing. *Engineering Applications of Artificial Intelligence*, 124, p.106506.
- Simchi-Levi, D., Kaminsky, P. and Simchi-Levi, E., 2000. *Designing and Managing the Supply Chain-Concepts, Strategies, and Case Studies*. McGraw-Hill, Irwin, Boston.
- Sousa, J.C., Biswas, H.A., Brito, R. and Silveira, A., 2011. A multi objective approach to solve capacitated vehicle routing problems with time windows using mixed integer linear programming. *International Journal of Advanced Science and Technology*, 28, pp.1-8.
- Srivastava, G., Singh, A. and Mallipeddi, R., 2021. NSGA-II with objective-specific variation operators for multiobjective vehicle routing problem with time windows. *Expert Systems with Applications*, 176, p.114779.
- Subroto, A.M., Kawet, L. and Sumarauw, J., 2015. Evaluasi kinerja supply chain manajemen pada produksi beras di desa panasen kecamatan kakas. *Jurnal EMBA: Jurnal Riset Ekonomi, Manajemen, Bisnis dan Akuntansi*, 3(1).
- Sze, J.F., Salhi, S. and Wassan, N., 2017. The cumulative capacitated vehicle routing problem with min-sum and min-max objectives: An effective hybridisation of adaptive variable Neighborhood search and large Neighborhood search. *Transportation Research Part B: Methodological*, 101, pp.162-184.
- Tirkolaee, E.B., Goli, A., Faridnia, A., Soltani, M. and Weber, G.W., 2020. Multi-objective optimization for the reliable pollution-routing problem with cross-dock selection using Pareto-based algorithms. *Journal of cleaner production*, 276, p.122927.
- Tlili, T., Faiz, S. and Krichen, S., 2014. A hybrid metaheuristic for the distance-constrained capacitated vehicle routing problem. *Procedia-Social and Behavioral Sciences*, 109, pp.779-783.
- Tseng, Y.Y., Yue, W.L. and Taylor, M.A., 2005, October. The role of transportation in logistics chain. *Eastern Asia Society for Transportation Studies*.
- Wang, K., Shao, Y. and Zhou, W., 2017. Matheuristic for a two-echelon capacitated vehicle routing problem with environmental considerations in city logistics

service. *Transportation Research Part D: Transport and Environment*, 57, pp.262-276.

Wang, Y., Wang, X., Fan, J., Wang, Z. and Zhen, L., 2023. Emergency logistics network optimization with time window assignment. *Expert systems with applications*, 214, p.119145.

Wen, M., Sun, W., Yu, Y., Tang, J. and Ikou, K., 2022. An adaptive large neighborhood search for the larger-scale multi depot green vehicle routing problem with time windows. *Journal of Cleaner Production*, 374, p.133916.

Zhang, S., Liu, S., Xu, W. and Wang, W., 2022. A novel multi-objective optimization model for the vehicle routing problem with drone delivery and dynamic flight endurance. *Computers & Industrial Engineering*, 173, p.108679.

Zirour, M., 2008. Vehicle routing problem: models and solutions. *Journal of Quality Measurement and Analysis JQMA*, 4(1), pp.205-218.