

DAFTAR PUSTAKA

- Anjas Fikhri Warangga, 2017, *Pengembangan Model Matematis Vehicle Routing Problem Dengan Karakteristik Split Delivery, Multi Product, Time Windows, dan Stochastic Demand*.
- Azizi, V., and Hu, G., 2020, Multi-product pickup and delivery supply chain design with location-routing and direct shipment. *International Journal of Production Economics*, Vol.226, No.January, pp.107648.
- Bruns, A., Klose, A., and Stahly, P., 2000, Restructuring of Swiss Parcel Delivery. *OR Spektrum*, Vol.22, pp.285–302.
- Celine, L., 2020, *Multiobjective location routing problem with time windows dengan mempertimbangkan minimasi biaya dan maksimasi service level*. Gadjah Mada University.
- Chan, Y., Carter, W. B., and Burnes, M. D., 2001, A multiple-depot, multiple-vehicle, location-routing problem with stochastically processed demands. *Computers and Operations Research*, Vol.28, pp.803–826.
- Chen, D., 2019, A location-routing problem for the public bike-sharing system with service level, Vol.No.71601050, pp.1–5.
- Chen, J., Dan, B., and Shi, J., 2020a, A variable neighborhood search approach for the multi-compartment vehicle routing problem with time windows considering carbon emission. *Journal of Cleaner Production*, Vol.277, pp.123932.
- Chen, X., Luo, J., Wang, X., and Yang, D., 2020b, Supply chain risk management considering put options and service level constraints. *Computers & Industrial Engineering*, Vol.140, No.December 2019, pp.106228.
- Choi, K.-S., 2017, Supply Chain Management for Customer Service Levels: A Literature Review. *International Journal of Industrial Engineering and Technology*, Vol.9, No.1, pp.1–7. Retrieved from <http://www.irphouse.com>
- Chopra, S., 2015, *Supply Chain Management_ Strategy, Planning, and Operation (6th Ed)*. pearson.
- Cichocka, J., and Browne, W., 2016, Multi criteria optimization in architectural design: goal-oriented methods and computational morphogenesis. *Shapes of Logic. EVERYTHING WHAT SURROUND US CAN BE DESCRIBED*, Vol.No.August, pp.107–116.
- Coello, C. A. C., Deb, K., Thiele, L., Zitzler, E., and Corne, D., 2001, *Evolutionary Multi-Criterion Optimization*.
- Cordeau, J., Laporte, G., Savelsbergh, M. W. P., and Vigo, D., 2007, Vehicle

Routing, Vol.14, No.06, pp.367–428.

Daroudi, S., Kazemipoor, H., Najafi, E., and Fallah, M., 2021, The minimum latency in location routing fuzzy inventory problem for perishable multi-product materials. *Applied Soft Computing*, Vol.110, pp.107543.

Deb, K., 2005, Multi-Objective Optimization. *Search Methodologies* (pp. 273–316). Boston, MA: Springer US.

Deb, K., Member, A., Pratap, A., Agarwal, S., and Meyarivan, T., 2002, A Fast and Elitist Multiobjective Genetic Algorithm :, Vol.6, No.2, pp.182–197.

Dharmika, N., 2019, *Multiobjective location routing problem with time windows dengan tujuan mengoptimalkan biaya dan service level*. Gadjah Mada University.

Fazel Zarandi, M. H., Hemmati, A., Davari, S., and Burhan Turksen, I., 2013, Capacitated location-routing problem with time windows under uncertainty. *Knowledge-Based Systems*, Vol.37, pp.480–489.

Feng, Q., and Zhao, Q., 2019, Routing problem in after-sales delivery service: A model based on customer satisfaction. *2019 16th International Conference on Service Systems and Service Management, ICSSSM 2019*, pp.5–7.

Ghorbani, A., and Akbari Jokar, M. R., 2016, A hybrid imperialist competitive-simulated annealing algorithm for a multisource multi-product location-routing-inventory problem. *Computers and Industrial Engineering*, Vol.101, pp.116–127.

Golden, B., Raghavan, S., and Wasil, E., 2008, The vehicle routing problem: Latest advances and new challenges. *Operations Research/ Computer Science Interfaces Series*, Vol.43, .

Govindan, K., Jafarian, A., Khodaverdi, R., and Devika, K., 2014, Two-echelon multiple-vehicle location-routing problem with time windows for optimization of sustainable supply chain network of perishable food. *International Journal of Production Economics*, Vol.152, pp.9–28.

Hashimoto, H., Ibaraki, T., Imahori, S., and Yagiura, M., 2006, The vehicle routing problem with flexible time windows and traveling times, Vol.154, pp.2271–2290.

Hu, H., Li, X., Zhang, Y., Shang, C., and Zhang, S., 2019, Multi-objective location-routing model for hazardous material logistics with traffic restriction constraint in inter-city roads. *Computers and Industrial Engineering*, Vol.128, No.October 2018, pp.861–876.

Huang, S. H., 2015, Solving the multi-compartment capacitated location routing problem with pickup-delivery routes and stochastic demands. *Computers and Industrial Engineering*, Vol.87, pp.104–113.

Hussain, K., Mohd Salleh, M. N., Cheng, S., and Shi, Y., 2019, Metaheuristic

- research: a comprehensive survey. *Artificial Intelligence Review*, Vol.52, No.4, pp.2191–2233.
- Jaafar, Suzana, H., Rohani, I., Nasruddin, Faisol, and Normalina, E., 2011, Munich Personal RePEc Archive Innovation in logistics services – halal logistics. *Proceedings of the 16th International Symposium on Logistics (ISL)*, Vol.No.34665, pp.844–855.
- Khan, S., Haleem, A., and Khan, M. I., 2020, Assessment of risk in the management of Halal supply chain using fuzzy BWM method. *Supply Chain Forum*, Vol.22, No.1, pp.1–17.
- Konak, A., Coit, D. W., and Smith, A. E., 2006, Multi-objective optimization using genetic algorithms: A tutorial. *Reliability Engineering and System Safety*, Vol.91, No.9, pp.992–1007.
- Liu, J., and Kachitvichyanukul, V., 2015, A pareto-based particle swarm optimization algorithm for multi-objective location routing problem. *International Journal of Industrial Engineering : Theory Applications and Practice*, Vol.22, No.3, pp.314–329.
- M.Nambiar, J., F.Gelders, L., and Wassenhove, L. N. V., 1989, Plant location and vehicle routing in the Malaysian rubber smallholder sector: A case study. *European Journal of Operational Research*, Vol.38, No.1, pp.14–26.
- Mara, S. T. W., Kuo, R. J., and Asih, A. M. S., 2021, Location-routing problem: a classification of recent research. *International Transactions in Operational Research*, Vol.28, No.6, pp.2941–2983.
- Maruti, S. ., 2017, *Penentuan Lokasi Pusat Distribusi, Moda Transportasi, dan Rute dengan Multi Objective Location Routing Problem menggunakan metode NSGA II*. Universitas Gadjah Mada.
- Mladineo, M., Veža, I., and Gjeldum, N., 2015, Single-objective and multi-objective optimization using the HUMANT algorithm. *Croatian Operational Research Review*, Vol.6, No.2, pp.459–473.
- Moon, I., Salhi, S., and Feng, X., 2020, The location-routing problem with multi-compartment and multi-trip: formulation and heuristic approaches. *Transportmetrica A: Transport Science*, Vol.16, No.3, pp.501–528.
- Murty, K. G., and Djang, P. ., 1999, The U.S. army national guard’s mobile training simulators location and routing problem. *Operations Research*, Vol.47, pp.175–182.
- Nagy, G., and Salhi, S., 1999, A cluster insertion heuristic for single and multiple depot vehicle routing problems with backhauling. *Journal of the Operational Research Society*, Vol.50, No.10, pp.1034–1042.
- Nagy, G., and Salhi, S., 2006, Location-routing: Issues, models and methods. *European Journal of Operational Research*, Vol.177, No.2, pp.649–672.

- Nambiar, J. M., Gelders, L. F., and Wassenhove, L. N. Van, 1981, A large scale location-allocation problem in the natural rubber industry. *European Journal of Operational Research*, Vol.6, No.2, pp.183–189.
- Ostermeier, M., Henke, T., Hübner, A., and Wäscher, G., 2021, Multi-compartment vehicle routing problems: State-of-the-art, modeling framework and future directions. *European Journal of Operational Research*, Vol.292, No.3, pp.799–817.
- Parayoga, R., 2021, *Perbandingan Performansi MOPSO dan NSGA II Pada Multiobjective Location Routing Problem With Time Windows Dengan Mempertimbangkan Minimasi Biaya dan Maksimasi Service Level*. Universitas Gadjah Mada.
- Peng, Z., Manier, H., and Manier, M. A., 2017, Particle Swarm Optimization for Capacitated Location-Routing Problem. *IFAC-PapersOnLine*, Vol.50, No.1, pp.14668–14673.
- Pourreza, P., Tavakkoli-Moghaddam, R., Aghamohamadi, S., Bozorgi-Amiri, A., and Rahimi, Y., 2018, A capacitated location-routing problem with customer satisfaction under facility disruption. *IEEE International Conference on Industrial Engineering and Engineering Management*, Vol.2017-Decem, pp.979–983.
- Pradana, F. D., 2015, *Aplikasi Multiobjective Linear Programming dan Geographic Information System (GIS) untuk Analisis Potensi Lokasi Pusat Distribusi*. Universitas Gadjah Mada.
- Prodhon, C., and Prins, C., 2014, A survey of recent research on location-routing problems. *European Journal of Operational Research*, Vol.238, No.1, pp.1–17.
- Rabbani, M., Heidari, R., Farrokhi-Asl, H., and Rahimi, N., 2018a, Using metaheuristic algorithms to solve a multi-objective industrial hazardous waste location-routing problem considering incompatible waste types. *Journal of Cleaner Production*, Vol.170, pp.227–241.
- Rabbani, M., Navazi, F., Farrokhi-Asl, H., and Balali, M. H., 2018b, A sustainable transportation-location-routing problem with soft time windows for distribution systems. *Uncertain Supply Chain Management*, Vol.6, No.3, pp.229–254.
- Rafie-Majd, Z., Pasandideh, S. H. R., and Naderi, B., 2018, Modelling and solving the integrated inventory-location-routing problem in a multi-period and multi-perishable product supply chain with uncertainty: Lagrangian relaxation algorithm. *Computers and Chemical Engineering*, Vol.109, pp.9–22.
- Rahmani, Y., Cherif-Khettaf, W. R., and Oulamara, A., 2015, A local search approach for the two-echelon multi-products location-routing problem with pickup and delivery. *IFAC-PapersOnLine*, Vol.28, No.3, pp.193–199.

- Safari, F. M., Etebari, F., and Chobar, A. P., 2021, Modeling and Optimization of a Tri-objective Transportation-Location-Routing Problem considering route reliability: using MOGWO, MOPSO, MOWCA, and NSGA-II. *Journal of Optimization in Industrial Engineering*, Vol.14, No.2, pp.99–114.
- Salhi, S., and Rand, G., 1998, The effect of ignoring routes when locating depots.
- Samanlioglu, F., 2013, A multi-objective mathematical model for the industrial hazardous waste location-routing problem. *European Journal of Operational Research*, Vol.226, No.2, pp.332–340.
- Schneider, M., and Drexel, M., 2017, A survey of the standard location-routing problem. *Annals of Operations Research*, Vol.259, No.1–2, pp.389–414.
- Seshadri, A., 2006, A FAST ELITIST MULTIOBJECTIVE GENETIC ALGORITHM: NSGA-II.
- Si, C., Golden, B., and Wasil, E., 2007, The split delivery vehicle routing problem: applications, algorithms, test problems, and computational results. *Networks*, Vol.49, No.4, pp.318–329.
- Simchi-Levi, D., Kaminsky, P. hili., and Simchi-Levi, E., 2007, *Designing and Managing the Supply Chain* (3rd ed.). Massachusetts: McGraw Hill Irwin.
- Solomon, M. M., and Desrosiers, J., 1988, Survey Paper — Time Window Constrained Routing and Scheduling Problems, Vol.No.October 2020,.
- Soni, N., and Kumar, T., 2014, Study of Various Mutation Operators in Genetic Algorithms, Vol.5, No.3, pp.4519–4521.
- Sörensen, K., 2015, Metaheuristics-the metaphor exposed. *International Transactions in Operational Research*, Vol.22, No.1, pp.3–18.
- Talbi, E. G., 2009, *Metaheuristic: from design to implementation*. Wiley Publishing. Canada: Wiley Publishing. Retrieved from <https://ejournal.poltektegal.ac.id/index.php/siklus/article/view/298%0Ahttp://repositorio.unan.edu.ni/2986/1/5624.pdf%0Ahttp://dx.doi.org/10.1016/j.jana.2015.10.005%0Ahttp://www.biomedcentral.com/1471-2458/12/58%0Ahttp://ovidsp.ovid.com/ovidweb.cgi?T=JS&P>
- Tiaojun, X., and Yang, D., 2008, Price and service competition of supply chains with risk-averse retailers under demand uncertainty, Vol.114, pp.187–200.
- Toro, E. M., Franco, J. F., Echeverri, M. G., and Guimarães, F. G., 2017, A multi-objective model for the green capacitated location-routing problem considering environmental impact. *Computers and Industrial Engineering*, Vol.110, pp.114–125.
- Veldhuizen, D. A. Van, and Lamont, G. B., 1999, Multiobjective Evolutionary Algorithm Test Suites.
- Wang, H., Du, L., and Ma, S., 2014, Multi-objective open location-routing model

with split delivery for optimized relief distribution in post-earthquake. *Transportation Research Part E: Logistics and Transportation Review*, Vol.69, pp.160–179.

Wang, J., Yuan, L., Zhang, Z., Gao, S., Sun, Y., and Zhou, Y., 2019, Multiobjective Multiple Neighborhood Search Algorithms for Multiobjective Fleet Size and Mix Location-Routing Problem With Time Windows. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, pp.1–15.

Wang, X., 2013, Multi-objective metaheuristics for a location-routing problem with simultaneous pickup and delivery.

Wang, Y., Assogba, K., Liu, Y., Ma, X., Xu, M., and Wang, Y., 2018, Two-echelon location-routing optimization with time windows based on customer clustering. *Expert Systems with Applications*, Vol.104, pp.244–260.

Wasner, M., 2004, An integrated multi-depot hub-location vehicle routing model for network planning of parcel service. *International Journal of Production Economics*, Vol.90, No.3, pp.403–419.

Yazdinejad, A., Parizi, R. M., Dehghantanha, A., Srivastava, G., Mohan, S., and Rababah, A. M., 2020, Cost optimization of secure routing with untrusted devices in software defined networking. *Journal of Parallel and Distributed Computing*, Vol.143, pp.36–46.

Zhang, C., 2020, A Hyper-Heuristic Algorithm for Time-Dependent Green Location Routing Problem With Time Windows, Vol.8, .