

DAFTAR PUSTAKA

- Ali, K. Ben, Bechikh, S., Louati, A., Louati, H., & Kariri, E. (2024). Dynamic Job Shop Scheduling Problem With New Job Arrivals Using Hybrid Genetic Algorithm. *IEEE Access*, 12, 85338–85354. <https://doi.org/10.1109/ACCESS.2024.3401080>
- Aquinaldo, S. L., Cucuk, N. R., & Yuniaristanto. (2021). Optimization in job shop scheduling problem using Genetic Algorithm (study case in furniture industry). *IOP Conference Series: Materials Science and Engineering*, 1072(1), 012019. <https://doi.org/10.1088/1757-899x/1072/1/012019>
- Bedhief, A. O., & Dridi, N. (2020). A genetic algorithm for three-stage hybrid flow shop scheduling problem with dedicated machines. *Journal Europeen Des Systemes Automatises*, 53(3), 357–368. <https://doi.org/10.18280/jesa.530306>
- Carlo, Q., Hillier, F. S., & Editor, S. (2006). *Strategies for International Series in Operations Research & Management Science*.
- Fekih, A., Hadda, H., Kacem, I., & Hadj-Alouane, A. B. (2023). Mixed-Integer Programming and Constraint Programming Models for the Flexible Job Shop Scheduling Problem. *Lecture Notes in Networks and Systems*, 771 LNNS, 110–122. https://doi.org/10.1007/978-3-031-43524-9_8
- Fera, M., Fruggiero, F., Lambiase, A., Martino, G., & Elena, M. (2015). Production Scheduling Approaches for Operations Management. *Operations Management*. <https://doi.org/10.5772/55431>
- Fernandez-Viagas, V., Sanchez-Mediano, L., Angulo-Cortes, A., Gomez-Medina, D., & Molina-Pariente, J. M. (2022). The Permutation Flow Shop Scheduling Problem with Human Resources: MILP Models, Decoding Procedures, NEH-Based Heuristics, and an Iterated Greedy Algorithm. *Mathematics*, 10(19). <https://doi.org/10.3390/math10193446>
- Ghaedy-Heidary, E., Nejati, E., Ghasemi, A., & Torabi, S. A. (2024). A simulation optimization framework to solve Stochastic Flexible Job-Shop Scheduling Problems—Case: Semiconductor manufacturing. *Computers and Operations Research*, 163(September 2022). <https://doi.org/10.1016/j.cor.2023.106508>

- Ginting, R. (2009). Penjadwalan Mesin. *Graha Ilmu*, 271.
- Girish, B. S., Habibullah, & Dileepal, J. (2022). Minimizing the Total Weighted Earliness and Tardiness for a Sequence of Operations in Job Shops. *RAIRO - Operations Research*, 56(4), 2621–2649. <https://doi.org/10.1051/RO/2022124>
- Groover, M. P. (2015). *Automation, Production Systems, and Computer-Integrated Manufacturing* (Fourth Edi). Pearson Higher Education. <https://doi.org/10.1201/9781003479031-1>
- Hasani, A., Hosseini, S. M. H., & Sana, S. S. (2022). Scheduling in a flexible flow shop with unrelated parallel machines and machine-dependent process stages: Trade-off between Makespan and production costs. *Sustainability Analytics and Modeling*, 2, 100010. <https://doi.org/10.1016/j.samod.2022.100010>
- Haupt, R. L., & Haupt, S. E. (2004). practical genetic algorithms second edition, 2004 by John Wiley & Sons. Inc. *All Rights Reserved*.
- Hnaïen, F., & Arbaoui, T. (2023). Minimizing the makespan for the two-machine flow shop scheduling problem with random breakdown. *Annals of Operations Research*, 328(2), 1437–1460. <https://doi.org/10.1007/s10479-023-05324-3>
- Idzikowski, R., Rudy, J., & Gnatowski, A. (2021). Solving non-permutation flow shop scheduling problem with time couplings. *Applied Sciences (Switzerland)*, 11(10). <https://doi.org/10.3390/app11104425>
- Indrianti, N., Leuveano, R. A. C., Abdul-Rashid, S. H., & Ridho, M. I. (2025). Green Vehicle Routing Problem Optimization for LPG Distribution: Genetic Algorithms for Complex Constraints and Emission Reduction. *Sustainability (Switzerland)*, 17(3). <https://doi.org/10.3390/su17031144>
- Kalaki Juybari, J., Kalaki Juybari, S., & Hasanzadeh, R. (2021). Parallel machines scheduling with time-dependent deterioration, using meta-heuristic algorithms. *SN Applied Sciences*, 3(3), 1–13. <https://doi.org/10.1007/s42452-021-04333-w>
- Katoch, S., Chauhan, S. S., & Kumar, V. (2021). A review on genetic algorithm: past, present, and future. In *Multimedia Tools and Applications* (Vol. 80, Issue 5). Multimedia Tools and Applications. <https://doi.org/10.1007/s11042-020-10139-6>

- Li, Y., Goga, K., Tadei, R., & Terzo, O. (2021). Production scheduling in industry 4.0. *Advances in Intelligent Systems and Computing*, 1194 AISC(July), 355–364. https://doi.org/10.1007/978-3-030-50454-0_34
- Lin, S. W., & Ying, K. C. (2022). Single machine scheduling problems with sequence-dependent setup times and precedence delays. *Scientific Reports*, 12(1), 1–12. <https://doi.org/10.1038/s41598-022-13278-y>
- Ma, G., da Silva, E. R., & Møller, C. (2024). Digital Twin-based Demand-Driven Production Planning and Scheduling System: A New Conceptual Framework. *Procedia CIRP*, 130, 705–710. <https://doi.org/10.1016/j.procir.2024.10.152>
- Mutasim, M. A. N., & Rashid, M. F. F. A. (2023). Hybrid Flow Shop Scheduling Problem with Energy Utilization using Non-Dominated Sorting Genetic Algorithm-III (NSGA-III) Optimization. *International Journal of Automotive and Mechanical Engineering*, 20(4), 10862–10877. <https://doi.org/10.15282/ijame.20.4.2023.05.0840>
- Nohair, L., El Adraoui, A., & Namir, A. (2024). An Improved Hybrid Metaheuristic for Active Job-Shop Scheduling Problems. *Procedia Computer Science*, 231(2023), 56–62. <https://doi.org/10.1016/j.procs.2023.12.164>
- Oujana, S., Yalaoui, F., & Amodeo, L. (2021). A linear programming approach for hybrid flexible flow shop with sequence-dependent setup times to minimise total tardiness. *IFAC-PapersOnLine*, 54(1), 1162–1167. <https://doi.org/10.1016/j.ifacol.2021.08.207>
- Pakpahan, E., & Sumarna, K. D. (2023). Novel Heuristic Algorithm for Flexible Job Shop Scheduling based on the Longest Processing Time Rules to Minimize Makespan. *Jurnal Teknik Industri*, 24(1), 17–30. <https://doi.org/10.22219/jtiumm.vol24.no1.17-30>
- Pinedo, M. L. (2008). Scheduling: Theory, algorithms, and systems. *Scheduling: Theory, Algorithms, and Systems*, January 2008, 1–671. <https://doi.org/10.1007/978-0-387-78935-4>
- Rezaeipannah, A., & Mojarad, M. (2021). Modeling the Scheduling Problem in Cellular Manufacturing Systems Using Genetic Algorithm as an Efficient Meta-Heuristic Approach. *Journal of Artificial Intelligence and Technology*,

1(4), 228–234. <https://doi.org/10.37965/jait.2021.0018>

- Servranckx, T., Verbanck, T., Song, J., & Vanhoucke, M. (2025). A genetic algorithm for seafood processing with flexible flow shops and sequence-dependent setups. *Flexible Services and Manufacturing Journal*. <https://doi.org/10.1007/s10696-025-09599-5>
- Sidabutar, S. N. S., Amin, M., & Putri, A. (2019). Penjadwalan Operasi Mesin Produksi Dengan Metode Cds. *Proton*, 11(2), 53–61.
- Su, Z., Deng, C., Chiong, R., Jiang, S. L., & Zhang, K. (2025). Hybrid flow shop scheduling with continuous processing and resource threshold constraints: A case of steel plant. *Expert Systems with Applications*, 284. <https://doi.org/10.1016/j.eswa.2025.127247>
- Tang, H., Zhou, J., Shao, Y., & Yang, Z. (2023). Hybrid Flow-Shop Scheduling Problems with Missing and Re-Entrant Operations Considering Process Scheduling and Production of Energy Consumption. *Sustainability (Switzerland)*, 15(10). <https://doi.org/10.3390/su15107982>
- Tuscano, T. Z., & Asl, B. A. (2024). Visual versus Tabular Scheduling Programs. *Buildings*, 14(10). <https://doi.org/10.3390/buildings14103084>
- Urgo, M., Lanza, G., Vrabšč, R., & Gyulai, D. (2025). Future-Proof Production Scheduling and Control. *CIRP Annals*, 00. <https://doi.org/10.1016/j.cirp.2025.04.095>
- Vital-Soto, A., Azab, A., & Baki, M. F. (2020). Mathematical modeling and a hybridized bacterial foraging optimization algorithm for the flexible job-shop scheduling problem with sequencing flexibility. *Journal of Manufacturing Systems*, 54(November 2019), 74–93. <https://doi.org/10.1016/j.jmsy.2019.11.010>
- Wu, G. H., Pourhejazy, P., Li, W. X., & Wu, T. H. (2024). A new dispatching mechanism for parallel-machine scheduling with different efficiencies and sequence-dependent setup times. *Decision Analytics Journal*, 10(November 2023), 100432. <https://doi.org/10.1016/j.dajour.2024.100432>
- Zhu, Z., & Zhou, X. (2020). Flexible job-shop scheduling problem with job precedence constraints and interval grey processing time. *Computers and*

Industrial Engineering, 149(March), 106781.

<https://doi.org/10.1016/j.cie.2020.106781>