

DAFTAR PUSTAKA

Buku

- Heizer, Jay., Render, Barry., & Munson, Chuck. (2017). *Operations management : sustainability and supply chain management*. Pearson.
- Heragu, S. S. . (2016). *Facilities design*. CRC Press.
- Sekaran, U., & Bougi, R. (2016). *Research Methods For Business: A Skill Building Approach* (7th ed.). John Wiley & Sons, 2016. www.wileypluslearningspace.com
- Trist, E. (1981). *Evolution of Socio-Technical Systems - A Conceptual Framework and an Action Research Program*.
- Bartholdi, J. J., & Hackman, S. T. (2019). *Warehouse & Distribution Science*. www.warehouse-science.com

Web Page

- OSHA. (n.d.). *OSHA Technical Manual (OTM) - Section VII: Chapter 1 | Occupational Safety and Health Administration*. Retrieved April 9, 2026, from <https://www.osha.gov/otm/section-7-ergonomics/chapter-1#intro>

Jurnal

- Abidin, N., Ahmarofi, A. A., & Gui, A. (2021). Designing the Re-layout Finished Goods Warehouse through the Simulation Method. *International Journal of Industrial Management*, 10, 126–137. <https://doi.org/10.15282/ijim.10.1.2021.6052>
- Albert, P. W., Rönqvist, M., & Lehoux, N. (2025). Heterogeneous products allocation in a warehouse—case study in the automobile industry. *Journal of Industrial and Production Engineering*. <https://doi.org/10.1080/21681015.2025.2498661>
- Ardiansyah, D. P., Reynaldi, F. A. O., & Widaningrum, D. L. (2024). Improving Warehouse Layout Effectiveness and Process Picking Efficiency with the Discrete Event System Simulation Approach. *Procedia Computer Science*, 234, 1753–1760. <https://doi.org/10.1016/j.procs.2024.03.182>
- Bahrami, B., Aghezzaf, E. H., & Limere, V. (2017). Using Simulation to Analyze Picker Blocking in Manual Order Picking Systems. *Procedia Manufacturing*, 11, 1798–1808. <https://doi.org/10.1016/j.promfg.2017.07.317>

- Boysen, N., & de Koster, R. (2025). 50 years of warehousing *research*—An operations *research* perspective. In *European Journal of Operational Research* (Vol. 320, Number 3, pp. 449–464). Elsevier B.V. <https://doi.org/10.1016/j.ejor.2024.03.026>
- Boysen, N., Schwerdfeger, S., & Stephan, K. (2023). A review of synchronization problems in parts-to-picker warehouses. *European Journal of Operational Research*, 307(3), 1374–1390. <https://doi.org/10.1016/j.ejor.2022.09.035>
- de Assis, R. F., de Paula Ferreira, W., & Ouhimmou, M. (2025). Order picking dataset from a warehouse of a footwear manufacturing company. *Data in Brief*, 61. <https://doi.org/10.1016/j.dib.2025.111837>
- De Carvalho Paula, M., Carvalho, M. S., & Silva, E. (2025). Improving warehouse operations: leveraging simulation for efficient layout design and process improvement in a *picking* by line operation. *Procedia Computer Science*, 263, 481–489. <https://doi.org/10.1016/j.procs.2025.07.058>
- De Koster, R., Le-Duc, T., & Roodbergen, K. J. (2006). *Design and Control of Warehouse Order Picking: a literature review ERIM Report Series reference number*. www.irim.eur.nl
- de Oliveira, A. V., Pimentel, C. M. O., Godina, R., Matias, J. C. de O., & Garrido, S. M. P. (2022). Improvement of the Logistics Flows in the Receiving Process of a Warehouse. *Logistics*, 6(1). <https://doi.org/10.3390/logistics6010022>
- Duque-Jaramillo, J. C., Cogollo-Flórez, J. M., Gómez-Marín, C. G., & Correa-Espinal, A. A. (2024). Warehouse Management Optimization Using A Sorting-Based *Slotting* Approach. *Journal of Industrial Engineering and Management*, 17(1), 133–150. <https://doi.org/10.3926/jiem.5661>
- Ernawati, Degdo, Yuli, & Wahyuddin. (2023). *The Effect of Warehouse Layout on Work Productivity at PT Perkasa Primarindo*.
- Gu, J., Goetschalckx, M., & McGinnis, L. F. (2010). Research on warehouse design and performance evaluation: A comprehensive review. In *European Journal of Operational Research* (Vol. 203, Number 3, pp. 539–549). <https://doi.org/10.1016/j.ejor.2009.07.031>
- Guo, X., Chen, R., Du, S., & Yu, Y. (2021). Storage assignment for newly arrived items in forward *picking* areas with limited open locations. *Transportation Research Part E: Logistics and Transportation Review*, 151. <https://doi.org/10.1016/j.tre.2021.102359>
- Helm, M., Malikova, A., & Kembro, J. (2024). Rooting out the root causes of order fulfilment errors: a multiple case study. *International Journal of Production*

- Heragu, S. S. . (2016). *Facilities design*. CRC Press.
- Imansuri, F., Febriyanto, D., Pratama, I. R., Sumasto, F., & Aisyah, S. (2023). *Perancangan Tata Letak Gudang dengan Membandingkan Metode Dedicated Storage dan Class Based Storage (Studi Kasus: Perusahaan Komponen Otomotif)*. VIII(4).
- Isnaeni & Susanto. (2022). *Penerapan Metode Class Based Storage untuk Perbaikan Tata Letak Gudang Barang Jadi (Studi Kasus Gudang Barang Jadi K PT Hartono Istana Teknologi)*.
- Isnaini, W., Masruroh, N. A., & Dharma, I. G. B. B. (2025). Dynamic planning approach of facility layout from industry perspectives: A systematic literature review. *Production Engineering Archives*, 31(1), 27–40. <https://doi.org/10.30657/pea.2025.31.3>
- Jermstittiparsert, K., Sutduean, J., & Sriyakul, T. (2019). Role of Warehouse Attributes in Supply Chain Warehouse Efficiency in Indonesia. In *International Journal of Innovation, Creativity and Change*. www.ijicc.net (Vol. 5, Number 2). www.ijicc.net
- Kapou, V., Ponis, S. T., Plakas, G., & Aretoulaki, E. (2022). An Innovative Layout Design and Storage Assignment Method for Manual Order Picking with Respect to Ergonomic Criteria. *Logistics*, 6(4). <https://doi.org/10.3390/logistics6040083>
- Kellermayr-Scheucher, M., Niedermeier, M., & Brandtner, P. (2023). Applications and perceptions of workforce management systems for warehouse operation- results and findings from expert interviews. *Procedia Computer Science*, 219, 255–262. <https://doi.org/10.1016/j.procs.2023.01.288>
- Kembro, J. H., & Norrman, A. (2025). A strategic perspective on automated warehouse systems in retail: insights from a multiple case study. *International Journal of Physical Distribution and Logistics Management*, 55(11), 57–91. <https://doi.org/10.1108/IJPDLM-05-2024-0218>
- Khalilabadi, S. M. G., Roy, D., & de Koster, R. (2024). Exploiting travel sequences to optimise facility layouts with multiple input/output points. *International Journal of Production Research*. <https://doi.org/10.1080/00207543.2024.2443798>
- Klaue, R., Steenbock, L., Yu, Q., & Klumpp, M. (2025). Human-centric Order Picking: Matching the Job-Demands-Resources Model and Empirical Insights.

- Kofler, M. (2014). *Optimising the Storage Location Assignment Problem Under Dynamic Conditions*.
- Koreis, J. (2025). Human–robot vs. human–manual teams: Understanding the dynamics of experience and performance variability in picker-to-parts order picking. *Computers and Industrial Engineering*, 200. <https://doi.org/10.1016/j.cie.2024.110750>
- Kovács, A. (2009). *Optimizing the Storage Assignment in a Warehouse Served by Milkrun Logistics*.
- Kovács, G., & Kot, S. (2017). Facility layout redesign for efficiency improvement and cost reduction. *Journal of Applied Mathematics and Computational Mechanics*, 16(1), 63–74. <https://doi.org/10.17512/jamcm.2017.1.06>
- Krishna, S., & Tulli, C. (2023). Warehouse Layout Optimization: Techniques for Improved Order Fulfillment Efficiency. In *INTERNATIONAL JOURNAL OF ACTA INFORMATICA*.
- Kübler, P., Glock, C. H., & Bauernhansl, T. (2020). A new iterative method for solving the joint dynamic storage location assignment, order batching and picker routing problem in manual picker-to-parts warehouses. *Computers and Industrial Engineering*, 147. <https://doi.org/10.1016/j.cie.2020.106645>
- Kumar, S., Narkhede, B. E., & Jain, K. (2021). Revisiting the warehouse research through an evolutionary lens: a review from 1990 to 2019. In *International Journal of Production Research* (Vol. 59, Number 11, pp. 3470–3492). Taylor and Francis Ltd. <https://doi.org/10.1080/00207543.2020.1867923>
- Law, A. M. . (2015). *Simulation modeling and analysis*. McGraw-Hill Education.
- Loske, D., Grosse, E. H., Glock, C. H., & Klumpp, M. (2025). Towards human-centric warehousing: the impact of rack configuration and cognitive demands on order picking performance. *International Journal of Production Research*, 63(6), 2231–2247. <https://doi.org/10.1080/00207543.2024.2399707>
- Maruyama, K., & Yamazaki, T. (2022). Improved efficiency of warehouse picking by co-optimization of order batching and storage location assignment. *Journal of Advanced Mechanical Design, Systems and Manufacturing*, 16(5). <https://doi.org/10.1299/jamdsm.2022jamdsm0052>
- Matsuda, K., Ichikawa, S., Ishigaki, A., & Nishiyama, H. (2022). A dynamic storage assignment change method considering psychological stress among multiple workers in the logistics warehouse. *Journal of Advanced Mechanical Design*,

- Mirzaei, M., Zaerpour, N., & de Koster, R. (2021). The impact of integrated cluster-based storage allocation on parts-to-picker warehouse performance. *Transportation Research Part E: Logistics and Transportation Review*, 146. <https://doi.org/10.1016/j.tre.2020.102207>
- Muppani & Adil. (2008). Efficient formation of storage classes for warehouse storage location assignment: A simulated annealing approach. *Omega*, 36(4), 609–618. <https://doi.org/10.1016/j.omega.2007.01.006>
- Pereira, M. T., Sousa, J. M. C., Ferreira, L. P., Sá, J. C., & Silva, F. J. G. (2019). Localization system for optimization of *picking* in a manual warehouse. *Procedia Manufacturing*, 38, 1220–1227. <https://doi.org/10.1016/j.promfg.2020.01.213>
- Pérez-Gosende, P., Mula, J., & Díaz-Madroñero, M. (2024). A bottom-up multi-objective optimisation approach to dynamic facility layout planning. *International Journal of Production Research*, 62(3), 626–643. <https://doi.org/10.1080/00207543.2023.2168308>
- Plakas, G., Ponis, S. T., Agalianos, K., Aretoulaki, E., & Gayalis, S. P. (2020). Augmented reality in manufacturing and logistics: Lessons learnt from a real-life industrial application. *Procedia Manufacturing*, 51, 1629–1635. <https://doi.org/10.1016/j.promfg.2020.10.227>
- Rahayu, E. A., & Silitonga, R. Y. H. (2024). Perbaikan Tata Letak Gudang PT PYT dengan Memperhatikan Jarak, Waktu Handling, dan Utilitas Ruang Penyimpanan. *Journal of Integrated System*, 7(1), 31–51. <https://doi.org/10.28932/jis.v7i1.8678>
- Rahmani Mokarrari, K., Sowlati, T., English, J., & Starkey, M. (2025). Optimization of warehouse *picking* to maximize the picked orders considering practical aspects. *Applied Mathematical Modelling*, 137. <https://doi.org/10.1016/j.apm.2024.06.037>
- Reyes, J. J. R., Solano-Charris, E. L., & Montoya-Torres, J. R. (2019). The storage location assignment problem: A literature review. In *International Journal of Industrial Engineering Computations* (Vol. 10, Number 2, pp. 199–224). Growing Science. <https://doi.org/10.5267/j.ijiec.2018.8.001>
- Roca-Limache, C. J., Quispe-León, D. M., & Tupia-De-La-Cruz, E. L. (2025). Designing a Lean Production Model Using 5S and Systematic Layout Planning for Efficiency in Footwear Manufacturing: A Case Study. *International Journal of Recent Engineering Science*, 12(1), 33–42. <https://doi.org/10.14445/23497157/ijres-v12i1p105>

- Rouwenhorst, B., Mantel, R. J., Reuter, S., Stockrahm, V., Van Houtum, G. J., Zijm, W. H. M., Mantel, ; R J, Reuted, ! B, Van Houtum~, G. J., & Zijm~, W. H. M. (1999). *Warehouse design and control: framework and literature review*. www.opm.wh.ntwente.nl/staff/hart/
- Saderova, J., Rosova, A., Behunova, A., Behun, M., Sofranko, M., & Khouri, S. (2022). Case study: the simulation modelling of selected activity in a warehouse operation. *Wireless Networks*, 28(1), 431–440. <https://doi.org/10.1007/s11276-021-02574-6>
- Saini, R., Vaidya, O. S., & Venkitasubramony, R. (2025). Simulation to analyse warehouse operational performance: a systematic literature review. In *Journal of Simulation* (Vol. 19, Number 4, pp. 455–481). Taylor and Francis Ltd. <https://doi.org/10.1080/17477778.2025.2485231>
- Sargent, R. G. (2013). Verification and validation of simulation models. *Journal of Simulation*, 7(1), 12–24. <https://doi.org/10.1057/jos.2012.20>
- Setayesh, A., Greig, M. A., Grosse, E. H., Glock, C. H., & Neumann, W. P. (2025). A generic approach to developing human factors-quality assessment tools exemplified by the warehouse error prevention tool. *Ergonomics*, 68(7), 1043–1055. <https://doi.org/10.1080/00140139.2024.2389287>
- Stockinger, C., Steinebach, T., Petrat, D., Bruns, R., & Zöller, I. (2020). The effect of pick-by-light-systems on situation awareness in order *picking* activities. *Procedia Manufacturing*, 45, 96–101. <https://doi.org/10.1016/j.promfg.2020.04.078>
- Tabatabaei, S. K., Valilai, O. F., Abedian, A., & Khalilzadeh, M. (2021). A novel framework for storage assignment optimization inspired by finite element method. *PeerJ Computer Science*, 7. <https://doi.org/10.7717/PEERJ-CS.378>
- Winkelhaus, S., Sgarbossa, F., Calzavara, M., & Grosse, E. H. (2018). *The effects of human fatigue on learning in order picking: an explorative experimental investigation*. 51(11), 832–837. <https://doi.org/10.1016/j.ifacol.2018.08.442>
- Zarinchang, A., Lee, K., Avazpour, I., Yang, J., Zhang, D., & Knopf, G. K. (2024). Adaptive warehouse storage location assignment with considerations to order-picking efficiency and worker safety. *Journal of Industrial and Production Engineering*, 41(1), 40–59. <https://doi.org/10.1080/21681015.2023.2263009>
- Zhang, G., Shang, X., Alawneh, F., Yang, Y., & Nishi, T. (2021). Integrated production planning and warehouse storage assignment problem: An IoT assisted case. *International Journal of Production Economics*, 234. <https://doi.org/10.1016/j.ijpe.2021.108058>

- Zhou, H. (2024). Intelligent Warehouse Control System Based on PLC and Human-computer Interaction Interactive Control. *Procedia Computer Science*, 243, 440–449. <https://doi.org/10.1016/j.procs.2024.09.054>
- Zhou, L., Sun, L., Li, Z., Li, W., Cao, N., & Higgs, R. (2020). Study on a storage location strategy based on clustering and association algorithms. *Soft Computing*, 24(8), 5499–5516. <https://doi.org/10.1007/s00500-018-03702-9>