

DAFTAR PUSTAKA

- Ariyanto, T., Prasetyo, I., and Rochmadi, R., 2012, Pengaruh Struktur Pori Terhadap Kapasitansi Elektroda Superkapasitor yang Dibuat Dari Karbon Nanopori, *Reaktor*, 14(1), 25-32.
- Budianto, F., Halim, J., and Christine Sembiring, A., 2020, Redesigning furniture production floors using systematic layout planning and ALDEP method to minimize material handling costs, *2020 3rd International Conference on Mechanical, Electronics, Computer, and Industrial Technology (MECnIT)*.
- Choy, K.K.H., Barford, J.P., and McKay, G., 2005, Production of activated carbon from bamboo scaffolding waste—process design, evaluation and Sensitivity Analysis, *Chemical Engineering Journal*, 109(1-3), 147–165.
- Du, W.-J., Yin, Q., and Cheng, L., 2018, Experiments on novel Heat Recovery Systems on Rotary Kilns, *Applied Thermal Engineering*, 139, 535–541.
- Elahi, B., 2021, Manufacturing Plant Layout Improvement: Case Study of a high-temperature heat treatment tooling manufacturer in northeast Indiana, *Procedia Manufacturing*, 53, 24–31.
- Febriandini, I.F. and Yuniaristanto., 2019, Re-design facility layout using systematic layout planning method: A case study : Biopro Cosmeceutical Sdn. Bhd., *IOP Conference Series: Materials Science and Engineering*, 495, 012027.
- Francis, R.L., McGinnis, L.F., and White, J.A., 2004, *Facility layout and Location: An analytical approach*, Prentice Hall, Singapore.
- Hosseini-Nasab, H., Fereidouni, S., Fatemi Ghomi, S.M., and Fakhrzad, M.B., 2017, Classification of Facility Layout Problems: A Review Study, *The International Journal of Advanced Manufacturing Technology*, 94(1–4), 957–977.
- Hudaya, G.K., Sulistyohadi, F., and Monika, I., 2014, Economic Feasibility Analyses of Coalbased Activated Carbon Plant in Indonesia, *Indonesian Mining Journal*, 17.
- Kazemi, F., Naghib, S.M., Zare, Y., and Rhee, K.Y., 2020, Biosensing applications of polyaniline (pani)-based nanocomposites: A Review, *Polymer Reviews*, 61(3), 553–597.
- Kim, D.K., Susumu, Y., Zain, B. A., Yu-Tack, K., and Kee-Yung, N., 2018, *Handbook on Battery Energy Storage System*, Asian Development Bank.
- Kouchachvili, L., Yaïci, W. and Entchev, E., 2018, ‘Hybrid battery/supercapacitor energy storage system for the electric vehicles’, *Journal of Power Sources*, 374, pp. 237–248.
- Kumar, M S., Yasoda, K.Y., Batabyal, S.K., and Kothurkar, N.K., 2018, Carbon-polyaniline nanocomposites as supercapacitor materials, *Materials Research Express*, 5(4), 045505.
- León, M., Silva, J., Carrasco, S., and Barrientos, N., 2020, Design, cost estimation and sensitivity analysis for a production process of activated carbon from waste nutshells by physical activation, *Processes*, 8(8), 945.
- Mahendra, A.R. and Suprpto W.H., 2022, *Pra Rancangan Pabrik Karbon Aktif Dari Cangkang Kelapa Sawit (Palm Kernel Sheel) Teraktivasi Koh Dengan*

- Kapasitas 10.000 Ton/Tahun* (Thesis), Universitas Islam Indonesia.
- Maulida, H.I. and Istiyanti, V., 2015, Improvement of layout production facilities for a secondary packaging area of a pharmaceutical company in Indonesia using the CORELAP method, *International Journal of Technology*, 6(6), 1006.
- Movassagh-Alanagh, F., Bordbar-Khiabani, A., and Ahangari-Asl, A., 2019, Fabrication of a ternary $\text{pani@Fe}_3\text{O}_4/\text{CFS}$ nanocomposite as a high performance electrode for solid-state supercapacitors, *International Journal of Hydrogen Energy*, 44(49), 26794–26806.
- Muslimin, S., Nawawi, Z., Suprpto, B.Y., and Dewi, T., 2022, ‘Comparison of Batteries Used in Electrical Vehicles’, *Proceedings of the 5th FIRST T1 T2 2021 International Conference (FIRST-T1-T2 2021)*, 9, pp. 421–425.
- Muther, R. and Hales, L., 2015, *Systematic Layout Planning (4th ed.)*, Management & Industrial Research Publications, Marietta.
- Muzaffar, A., Ahamed, M. B., Deshmukh, K., and Thirumalai, J., 2019, A review on recent advances in hybrid supercapacitors: Design, fabrication and applications, *Renewable and Sustainable Energy Reviews*, 101, 123–145.
- Nadia, N., Nordin, Lai-Soon, and Lee., 2016, Heuristics and Metaheuristics Approaches for Facility Layout Problems: A Survey, 2(3), 2–63.
- Naseri, F., Karimi, S., Farjah, E. and Schaltz, E., 202, Supercapacitor management system: A comprehensive review of modeling, estimation, balancing, and protection techniques, *Renewable and Sustainable Energy Reviews*, p.111913.
- Newnan, D.G., Eschenbach, T.G., and Lavelle, J.P., 2012, *Engineering economic analysis*, New York: Oxford University Press, New York.
- Ojaghi, Y., Khademi, A., Yusof, N.M., Renani, N.G., and Hassan, S.A., 2015, Production layout optimization for small and medium scale food industry, *Procedia CIRP*, 26, 247–251.
- Peters, M.S., Timmerhaus, K.D., and West, R.E., 2006, *Plant Design and Economics for Chemical Engineers* (5th ed.). McGraw-Hill. New York.
- Potadar, O.V. and Kadam, G.S., 2018, Development of facility layout for medium-scale industry using systematic layout planning, *Proceedings of International Conference on Intelligent Manufacturing and Automation*, 473–483.
- Primanugraha, R.A., 2017, *Perancangan Tata Letak Fasilitas Produksi Stent Jantung* (Thesis), Universitas Gadjah Mada.
- Rajagopal, S., Pulapparambil Vallikkattil, R., Mohamed Ibrahim, M., and Velev, D.G., 2022, Electrode materials for supercapacitors in Hybrid Electric Vehicles: Challenges and current progress, *Condensed Matter*, 7(1), 6.
- Şahin, M.E., Blaabjerg, F., and Sangwongwanich, A., 2020, A review on supercapacitor materials and developments, *Turkish Journal of Materials*, 5.
- Saifurrahman, A., 2020, *Perancangan Tata Letak Fasilitas untuk Fabrikasi Mesin CNC Batik Tulis Menggunakan Pendekatan Systematic Layout Planning* (Thesis), Universitas Gadjah Mada.
- Siswanto, D., 2022, Ketergantungan Energi Fosil, Indonesia Rentan Krisis Energi.

Kontan.co.id, 28 Juli 2022.

- Suhardi, B., Laksono, P.W., and Nugraha, A.A., 2017, Desain Pola Parkir sepeda motor Dengan Pendekatan Ergonomi partisipatori, *PERFORMA : Media Ilmiah Teknik Industri*, 16(1).
- Suhardini, D. and Rahmawati, S. D., 2019, Design and improvement layout of a production floor using Automated Layout Design Program (ALDEP) and craft algorithm at CV. Aji Jaya Mandiri, *IOP Conference Series: Materials Science and Engineering*, 528(1), 012062.
- Tambunan, M., Ginting, E., and Sari, R.M., 2018, Production facility layout by comparing moment displacement using Blocplan and ALDEP algorithms, *IOP Conference Series: Materials Science and Engineering*, 309, 012032.
- Tompkins, J.A., White, J.A., Bozer, Y.A., and Azaña Tanchoco Jose Mario, 2010, *Facilities planning* (4th ed.). John Wiley & Sons, Inc, New York.
- Wang, X., Wu, D., Song, X., Du, W., Zhao, X., and Zhang, D., 2019, Review on carbon/polyaniline hybrids: Design and synthesis for Supercapacitor, *Molecules*, 24(12), 2263.
- Wijayanto, N., 2022. Harta Karun Migas RI Terancam Habis Tak Sampai 20 Tahun Lagi, Ini Buktinya!, *SINDOnews.com*, 22 Juli 2022.
- Winata, B.Y., Erliyanti, N.K., Yogaswara, R.R., and Saputro, E.A., 2021, Pra Perancangan Pabrik Karbon Aktif Dari tempurung kelapa dengan proses Aktifasi Kimia Pada kapasitas 20.000 ton/Tahun, *Jurnal Teknik ITS*, 9(2).
- Zein, S.H. and Antony, A., 2022, Techno-economic analysis and feasibility of industrial-scale activated carbon production from agricultural pea waste using microwave-assisted pyrolysis: A circular economy approach, *Processes*, 10(9), 1702.
- Zhou, K.Q., Li, X., Xie, B., and Yao, C.X., 2011, Study on the design of layout of an automobile factory based on SLP. *Advanced Materials Research*, 314–316, 2306–2311.