DAFTAR PUSTAKA

[1] A. Musman and A. Ambar B, *Warisan Adiluhung Nusantara*. Yogyakarta: Andi, 2011.

[2] L. Pujiastuti, "Diakui Dunia, Ekspor Batik RI Meningkat Setiap Tahun," 2015. [Online]. Available: http://finance.detik.com/berita-ekonomi-bisnis/d-3034083/diakui-dunia-ekspor-batik-ri-meningkat-setiap-tahun. [Accessed: 30-Nov-2016].

[3] Z. Zukhri, *Algoritma Genetika Metode Komputasi Evolusioner untuk Menyelesaikan Masalah Optimasi*. Yogyakarta: Andi, 2014.

[4] S. P. Sharma and Y. Vishwakarma, "Availability optimization of refining system of Sugar Industry by Markov process and Genetic Algorithm," *ICROIT 2014 - Proc. 2014 Int. Conf. Reliab. Optim. Inf. Technol.*, pp. 29–33, 2014.

[5] C. Gu and Q. Tao, "Chaotic genetic algorithm for performance optimization of green agricultural products supply chain network," *Proc. 2013 IEEE Int. Conf. Serv. Oper. Logist. Informatics*, pp. 323–327, 2013.

[6] H. F. . Freitas and C. M. . Andrade, "Model-based optimization of in-silico fed-batch ethanol production process using genetic algorithm," *IEEE Conf. Evol. Adapt. Intell. Syst.*, 2016.

[7] R. . Abeysooriya and T. G. I. Fernando, "Canonical Genetic Algorithm To Optimize Cut Order Plan Solutions in Apparel Manufacturing," *J. Emerg. Trends Comput. Inf. Sci.*, vol. 3 No. 2, 2012.

[8] A. Shrivastava and S. Nandrajog, "Cost Economic Power Dispatch Analysis and Solution using Optimization Technique," *2017 Int. Conf. Intell. Sustain. Syst.*, vol. 0, no. ICISS, pp. 1106–1111, 2017.

[9] W. Chuan and Y. Lei, "Study on Optimization of Radiological Worker Allocation Problem Based on Nonlinear Programming Function-fmincon," *Proc. 2014 IEEE Int. Conf. Mechatronics Autom. August 3-6, Tianjin China*, no. i, pp. 1073–1078, 2014.

[10] V. Vai, E. Gladkikh, M. C. Alvarez-Herault, B. Raison, and L. Bun, "Study of low-voltage distribution system with integration of PV-battery energy storage for urban area in developing country," *Conf. Proc. - 2017 17th IEEE Int. Conf. Environ. Electr. Eng. 2017 1st IEEE Ind. Commer. Power Syst. Eur. EEEIC / I CPS Eur. 2017*, 2017.

[11] R. Malhotra, N. Singh, and Y. Singh, "Genetic Algorithms : Concepts , Design for Optimization of Process Controllers," vol. 4, no. 2, pp. 39–54, 2011.

[12] S. Chaturvedi, P. Pragya, and H. K. Verma, "Comparative Analysis of Particle Swarm Optimization , Genetic Algorithm and Krill Herd Algorithm," 2015.

[13] J. Rahul, Y. Sharma, and D. Birla, "A New Attempt to Optimize Optimal Power Flow Based Transmission Losses Using Genetic Algorithm," *2012 Fourth Int. Conf. Comput. Intell. Commun. Networks*, pp. 566–570, 2012.

[14] S. Fong, M. G. Da Costa, and R. Khoury, "Air Cargo Scheduling Using Genetic Algorithms," *2013 Int. Symp. Comput. Bus. Intell.*, pp. 170–173, 2013.

[15] S. Agarwal and A. Vasan, "Computational Strategy for Structural Analysis, Design, and Optimization of Trusses Using Genetic Algorithm and Particle Swarm Optimization," *Proc. - 6th Int. Adv. Comput. Conf. IACC 2016*, pp. 203–207, 2016.

[16] Q. Wang, "Optimization of Schedules for Selecting Books from the Closed-Shelf Stack," *2014 IEEE 7th Jt. Int. Inf. Technol. Artif. Intell. Conf.*, pp. 503–506, 2014.

[17] M. Algabri, F. Saeed, H. Mathkour, and N. Tagoug, "Optimization of soft cost estimation using genetic algorithm for NASA software projects," *2015 5th Natl. Symp. Inf. Technol. Towar. New Smart World*, pp. 1–4, 2015.

[18] R. M. C. Santiago, J. A. Jose, A. A. Bandala, and E. P. Dadios, "Multiple Objective Optimization of LED Lighting System Design Using Genetic Algorithm," *2017 5th Int. Conf. Inf. Commun. Technol.*, vol. 0, no. c, 2017.

[19] H. Lisbijanto, *Batik*. Yogyakarta: Graha Ilmu, 2013.

[20] A. Wulandari, *Batik Nusantara (Makna filosofis, cara pembuatan & industri batik)*. Yogyakarta: Andi, 2011.

[21] A. Desiana and M. Arhami, *Konsep Kecerdasan Buatan*. Yogyakarta: Andi, 2006.

[22] Suyanto, *Algoritma Optimasi (Deterministik atau Probabilistik)*. Yogyakarta: Graha Ilmu, 2014.

[23] S. Kusumadewi, *Artificial Intellegence (Teknik dan Aplikasinya)*. Yogyakarta: Graha Ilmu, 2003.

[24] Z. T. Alisa and H. A. Nassrullah, "Minimizing Energy Consumption in Wireless Sensor Networks using Modified Genetic Algorithm and an Energy Balance Filter," *Al-Sadeq Int. Conf. Multidiscip. IT Commun. Sci. Appl. – IRAQ*, 2016.

[25] J. S. Russel and P.Norvig, *Artificial Intellegence, A Modern Approach*, 3rd ed. New Jersey: Prentice Hall, 2010.

[26] P. H. Putra, *Penjadwalan Pembangkit Termis dengan Constrain Bahan Bakar Menggunakan Algoritma Genetika*. Yogyakarta: Universitas Gadjah Mada, 2016.

[27] "Maximizing vs. Minimizing - MATLAB & Simulink." [Online]. Available: https://www.mathworks.com/help/gads/maximizing-vs-minimizing.html. [Accessed: 14-Sep-2018].

[28] W. F. Mahmudy, "Optimasi Fungsi Tanpa Kendala Menggunakan Algoritma Genetika Dengan Kromosom Biner dan Perbaikan Kromosom Hill-Climbing," *Kursor*, vol. 4, no. 1, pp. 23–29, 2008.

[29] A. Sudiarso, "Design of Experiment #1," *Stat. Ind. Eng. 2 1B*, 2012.

[30] J. Antony, *Design of Experiments for Engineers and Scientists*, no. October. Elsevier Science & Technology Books, 2003.

[31] D. Amorim, C. De Souza, A. Luís, C. De Carvalho, S. Luiz, and M. Ribeiro, "Evaluation of Dimensional and Aerodynamic Parameters for an Aircraft Radio Controlled through Genetic Algorithms and Design of Experiments," *Int. J. Stat. Appl. 2013, 3(3) 59-63*, no. June, 2013.

[32] F. Sánchez Lasheras, J. A. Vilán Vilán, P. J. García Nieto, and J. J. del Coz Díaz, "The use of design of experiments to improve a neural network model in order to predict the thickness of the chromium layer in a hard chromium plating process," *Math. Comput. Model.*, vol. 52, no. 7–8, pp. 1169–1176, 2010.

[33] D. . Cox and N. Reid, *The Theory of the Design of Experiments*. Boca Raton, Florida: Chapman & Hall/CRC, 2000.

[34] M. Proust, *Design of Experiments*, Second Edi. North Carolina, USA: SAS Institute Inc., SAS Campus Drive, 2009.

[35] A. Messac, *Optimization in Practice with MATLAB®: For Engineering Students and Professionals*. New York: Cambridge University Press, 2015.

[36] MathWorks, "Find minimum of constrained nonlinear multivariable function - MATLAB fmincon." [Online]. Available: https://www.mathworks.com/help/optim/ug/fmincon.html#responsive_offcanvas. [Accessed: 20-Sep-2018].

[37] A. Hendra and S. Adinugroho, "Matlab solvers benchmark for ABB's Model Predictive Control Optimization," 2015.