REFERENCES

Al-Hasan, W., Fayek, M.B., Shaheen, S.I., 2006, PSOSA: An Optimized Particle Swarm Technique for Solving the Urban Planning Problem, *International Conference on Computer Engineering and Systems*, 2006, pp.401-405.

Arumugam, M.S., and Rao, M.V.C., 2006, On the Performance of the Particle Swarm Optimization Algorithm with Various Inertia Weight Variants for Computing Optimal Control of a Class of Hybrid Systems, *Discrete Dynamics in Nature and Society*, 2006, pp.1-7.

Attia, A.F., El-Sehiemy, R.A., and Hasanien, H.M., 2018, Optimal power flow solution in power systems using a novel Sine-Cosine algorithm, *Electrical Power and Energy Systems*, 99, pp.331-343.

Chao, X., and Duo, Z., 2006, An Adaptive Particle Swarm Optimization Algorithm with Dynamic Non Linear Inertia Weight Variation, *International Conference on Enhance and Promotion of Computational Methods in Engineering Science and Mechanics*, 1, pp.672-676.

Chegini, S.N., Bagheri, A., Najafi, F., 2018, PSOSCALF: A new hybrid PSO based on Sine Cosine Algorithm and Levy flight for solving optimization problems, *Applied Soft Computing Journal*, 73, pp.697-726.

Chen, J.C. and Zhong, T.X., 2002, A Hybrid-Coded Genetic Algorithm Based Optimisation of Non-Productive Paths in CNC Machining, *International Journal of Advance Manufacturing Technology*, 20, pp. 163-168.

Chen, G., Huang, X., Jia, J., Min, Z., 2006, Natural exponential Inertia Weight Strategy in Particle Swarm Optimization, *Intelligent Control and Automation*, 1, pp. 3672-3675.

Chen, H., Jiao, S., Heidari, A.A., Wang, M., Chen, X., and Zhao, X., 2019, An opposition-based sine cosine approach with local search for parameter estimation of photovoltaic models, *Energy Conversion and Management*, 195, pp.927-942.

Das, K.N., and Parouha, R.P., 2014, Optimization of Engineering Design Problems via an Efficient Hybrid Meta-heuristic Algorithm, *International Conference on Advances in Control and Optimization of Dynamical Systems*, 3, pp.692-699.

Davendra, D., 2010, *Traveling Salesman Problem: Theory and Applications*, BoD–Books on Demand.

Eberhart, R., and Kennedy, J., 1995, A New Optimizer using Particle Swarm Theory, *Proceedings of the IEEE International Conference on Neural* Networks, 4(1995), pp.1942-1948.

Feng, Y., Teng, G.G., Wang, A.X., and Yao, Y.M., 2007, Chaotic Inertia Weight in Particle Swarm Optimization, *Second International Conference on Innovative Computing, Information and Control*, pp.475.

Gao, Y., An, X., Liu, J., 2008, A Particle Swarm Optimization Algorithm with Logarithm Decreasing Inertia Weight and Chaos Mutation, *Computational Intelligence and Security*, 1, pp.61-65.

Gupta, S. and Deep, K., 2019a, A hybrid self-adaptive sine cosine algorithm with opposition based learning, *Expert Systems With Applications*, 119, pp.210-230.

Gupta, S. and Deep, K., 2019b, Improved sine cosine algorithm with crossover scheme for global optimization, *Knowledge-Based Systems*, 165, pp.374-406.

Hussain, K., Sallehm M.N.M., Cheng, S., and Naseem, R., 2017, Common Benchmark Functions for Metaheuristic Evaluation: A Review, *International Journal on Informatics Visualization*, 1(4-2), pp. 218-223.

Jamian, J.J., Abdullah, M.N., Mokhlis, H., Mustafa, M.W., and Bakar, A.H.A., 2014, Global Particle Swarm Optimization for High Dimension Numerical Functions Analysis, *Journal of Applied Mathematics*, 2014.

Kentzoglanakis, K., and Poole, M., 2009, Particle swarm optimization with an oscillating Inertia Weight, *Annual Conference on Genetic and Evolutionary Computation*, 11, pp.1749-1750.

Khare, A. and Rangnekar, S., 2012, A Review of Particle Swarm Optimization and its Applications in Colar Photovoltaic System, *Applied Soft Computing*, 13, pp. 2997-3006.

Kusumawardani, R., 2018, *Perancangan Motif dan Produksi Batik Tulis pada Mesin CNC Batik Tulis untuk Meminimalkan Waktu Pembatikan*, Thesis Teknik Industri Universitas Gadjah Mada, Yogyakarta.

Lan, S., Fan, W., Liu, T., and Yang, S., 2019, A hybrid SCA–VNS meta-heuristic based on Iterated Hungarian algorithm for physicians and medical staff scheduling problem in outpatient department of large hospitals with multiple branches, *Applied Soft Computing Journal*, 85, 105813.

Li, H.R., and Gao, Y.L., 2009, Particle Swarm Optimization Algorithm with Exponent Decreasing Inertia Weight and Stochastic Mutation, *Second International Conference on Information and Computing Science*, 2009, pp.66-69.

Li., L., Kang-Di L., Guo-Qiang, Z., Lie W., and Ming-Rong C., 2016. ANovel Real-Coded Population-Based Extremal Optimization Algorithm with Polynomial Mutation : a Non Parametric Statistical Study on Continous Optimization Problems, *Neurocomputing*, 174, pp. 577-587.

Long, W., Wu, T., Liang, X., and Xu, S., 2019, Solving high-dimensional global optimization problems using an improved sine cosine algorithm, *Expert systems With Applications*, 123, pp.108-126

Makinen, R.A.E., Jacques, P., and Jari, T., 1999., Multidisciplinary Shape Optimization in Aerodynamics and Electromagnetics using Genetic Algorithm, International Journal for Numerical Methods in Fluids, 30, pp. 149-159.

Marinakis, Y., Iordanidou, G.R., and Marinaki, M., 2013, Paritcle Swarm Optimization for the Vehicle Routing Problem with Stochastic Demands, *Applied Soft Computing*, 13, pp. 1693-1704.

Michalewicz, Z., 1999, *Genetic Algorithms + Data Structures = Evolution Programs*, 3rd Revised and Extended Edition, Springer, USA.

Mirjalili, S., 2016, SCA: A Sine Cosine Algorithm for solving optimization problems, *Knowledge-Based Systems*, 96, pp.120-133.

Montgomery, D.C. and Runger, G.C., 2003, *Applied Statistics and Probability for Engineers*, Edisi Ketiga, John Wiley & Sons Inc, USA.

Mortezazadeh, K., Norouzi, A., Zolfaghari, A., and Aghaie, M., 2015, Optimization of refueling cycle length by an enhanced PSO with novel mutation operator, *Progress in Nuclear Energy*, 78, pp.251-257.

Nenavath, H., and Jatoth, R.K., 2018, Hybridizing sine cosine algorithm with differential evolution for global optimization and object tracking, *Applied Soft Computing*, 62, pp.1019-1043.

Ray, T., and Saini, P., 2007, Engineering Design Optimization Using a Swarm With an Intelligent Information Sharing Among Individuals, *Journal of Engineering Optimization*, 33, pp.735-748.

Shi, Y. and Eberhart, R., 1998, A Modified Particle Swarm Optimizer, *IEEE World Congress on Computational Intelligence*, pp.69-73.

Singh, N., and Singh, S.B., 2017, A novel hybrid GWO-SCA approach for optimization problems, *Engineering Science and Technology, an International Journal*, 20(6), pp.1586-1601.

Song, W., and Zang, S., 2009, A Novel Adaptive Particle Swarm Optimization to Solve Travelling Salesman Problem, *Journal of ISECS International Colloquium on Computing, Communication, Control, and Management*, pp.459-462.

Srinivas, N. and Deb, K., 1995, Multi-Objective function optimizadon using non-dominated sorting genetic algorithms, *Evolutionary Computation*, 2(3), pp.221-248.

Suid, M.H., Ghazali, M.R., Ahmad, M.A., Irawan, A., Ismail, M.R.T.R., and Tumari, M.Z., 2018, An Improved Sine Cosine Algorithm for Solving Optimization Problems, *IEEE Conference on Systems, Process and Control*, pp.209-213.

Tahir, D.S., and Ali, R.S., 2018, Chaotic Sine-Cosine Optimization Algorithms, *International Journal of Soft Computing*, 13(3), pp. 108-122.

Tahwid, M.A. and Savsani, P., 2019, Discrete Sine-Cosine Algorithm (DSCA) with Local Search for Solving Traveling Salesman Problem, *Arabian Journal for Science and Engineering*, 44, pp.3669-3679.

Wang, K.P., Huang, L., Zhou, C.G., and Pang, W., 2003, Particle Swarm Optimization for Travelling Salesman Problem, *International Conference on Machine Learning and Cybernetics*, 2, pp.1583-1585.

Zhang, X., Wen, S., and Li, H., 2005, Novel Particle Swarm Optimization with Self Adaptive Inertia Weight, *Chinese Control Conference*, 24, pp.1373-1376.

Zhang, W., Di M., Jin-jun W., and Hai-feng L., 2014, A Parameter Selection Strategy for Particle Swarm Optimization based on Particle Positions. *Expert System with Applications*, 41, pp. 3576-3584.

Zhou, Y., and Pei, S., 2010, A Hybrid Co-evolutionary Particle Swarm Optimization Algorithm for Solving Constrained Engineering Design Problems, *Journal of Computers*, 5(6), pp. 965- 972.

Zhou, Y., Ling, Y., and Luo, Q., 2017, Lévy Flight Trajectory-Based Whale Optimization Algorithm for Engineering Optimization, *IEEE Access*, 5, pp. 6168-6186.