# DAFTAR PUSTAKA

Adnyana, I.M.B. dan Jayanti, N.K.D.A., 2015, Implementasi Sistem Penjadwalan Ujian Akhir Semester menggunakan Algoritma Genetika (Studi Kasus: STIKOM Bali), *CSRID (Computer Science Research and Its Development Journal)*, 6 (1), 11–20,

Alamsyah, A. dan Indraswari, A.A., 2011, Social Network and Sentiment Analysis for Social Customer Relationship Management in Indonesia Banking Sector, *Advanced Science Letters*, 23 (4), 3808–3812,

Arasteh, M. dan Alizadeh, S., 2019, A fast divisive community detection algorithm based on edge degree betweenness centrality, *Applied Intelligence*, 49 (2), 689–702,

Arenas, A., Duch, J., Fernández, A. dan Gómez, S., 2007, Size reduction of complex networks preserving modularity, *New Journal of Physics*, 9 (6), 176–176,

Barabási, A., 1999, Emergence of Scaling in Random Networks, *Science*, 286 (5439), 509–512,

Bashir, M.B. dan Nadeem, A., 2017, Improved Genetic Algorithm to Reduce Mutation Testing Cost, *IEEE Access*, 53657–3674,

Blondel, V.D., Guillaume, J.-L., Lambiotte, R. dan Lefebvre, E., 2008, Fast unfolding of communities in large networks, *Journal of Statistical Mechanics: Theory and Experiment*, 2008 (10), P10008,

Boguñá, M., Pastor-Satorras, R., Díaz-Guilera, A. dan Arenas, A., 2004, Models of social networks based on social distance attachment, *Physical Review E*, 70 (5), 056122,

Chen, X. dan Li, J., 2019, Community detection in complex networks using edge-deleting with restrictions, *Physica A: Statistical Mechanics and its Applications*, 519181–194,

Chintalapudi, S.R. dan Prasad, M.H.M.K., t.t., A survey on community detection algorithms in large scale real world networks, *2015 2nd International Conference on Computing for Sustainable Global Development*, hlm. 1323–1327,

De Jong, K.A., 1975, An Analysis of the Behavior of a Class of Genetic Adaptive Systems., *Tesis*, PhD Thesis, University of Michigan, Ann Arbor, MI, USA.

De Meo, P., Ferrara, E., Fiumara, G. dan Provetti, A., 2011, Generalized Louvain method for community detection in large networks, *2011 11th International Conference on Intelligent Systems Design and Applications*, November 2011 IEEE, Cordoba, Spain., hlm. 88–93,

Fang, Y. dan Li, J., 2010, A Review of Tournament Selection in Genetic Programming, Zhihua Cai, Chengyu Hu, Zhuo Kang, dan Yong Liu (ed.), *Advances in Computation and Intelligence*, Lecture Notes in Computer Science, 2010 Springer Berlin Heidelberg., hlm. 181–192,

Fortunato, S. dan Hric, D., 2016, Community detection in networks: A user guide, *Physics Reports*, 6591–44,

Gen, M., Cheng, R. dan Lin, L., 2008, *Network models and optimization: multiobjective genetic algorithm approach*, Decision engineering, Springer, London.

Girvan, M. dan Newman, M.E.J., 2002, Community structure in social and biological networks, *Proceedings of the National Academy of Sciences*, 99 (12), 7821–7826,

Gleiser, P. dan Danon, L., 2003, Community Structure in Jazz, *Advances in Complex Systems*, 06 (04), 565–573,

Goldberg, D.E., 1989, *Genetic Algorithms in Search, Optimization and Machine Learning*, 1st edisi, Addison-Wesley Longman Publishing Co., Inc., Boston, MA, USA.

Goldberg, D.E. dan Lingle, R., Jr., 1985, AllelesLociand the Traveling Salesman Problem, *Proceedings of the 1st International Conference on Genetic Algorithms*, 1985 L. Erlbaum Associates Inc., Hillsdale, NJ, USA., hlm. 154–159,

Hadi, I.A., 2017, Pentingnya Pengenalan Tentang Perbedaan Individu Anak Dalam Efektifitas Pendidikan, *INSPIRASI: Jurnal Kajian dan Penelitian Pendidikan Islam*, 1 (1), 71–92,

Hassanat, A.B.A. dan Alkafaween, E., 2018, *On Enhancing Genetic Algorithms Using New Crossovers*, 15,

Holland, J.H., 1992, *Adaptation in Natural and Artificial Systems: An Introductory Analysis with Applications to Biology, Control and Artificial Intelligence*, MIT Press, Cambridge, MA, USA.

Hollocou, A., Bonald, T. dan Lelarge, M., 2019, *Modularity-based Sparse Soft Graph Clustering*, 10,

Iryanto, I. dan Ismantohadi, E., 2017, Optimasi Pemilihan Barang Dagangan bagi Pedagang Keliling dengan Algoritma Genetika, *JTT (Jurnal Teknologi Terapan)*, 3 (1), 24-28–28,

Jia, G., Cai, Z., Musolesi, M., Wang, Y., Tennant, D.A., Weber, R.J.M., Heath, J.K. dan He, S., 2012, Community Detection in Social and Biological Networks Using Differential Evolution, Youssef Hamadi dan Marc Schoenauer (ed.), *Learning and Intelligent Optimization*, Springer Berlin Heidelberg, Berlin, Heidelberg., hlm. 71–85,

Jin, H., Yu, W. dan Li, S., 2019, Graph regularized nonnegative matrix tri-factorization for overlapping community detection, *Physica A: Statistical Mechanics and its Applications*, 515376–387,

Jokar, E. dan Mosleh, M., 2019, Community detection in social networks based on improved Label Propagation Algorithm and balanced link density, *Physics Letters A*, 383 (8), 718–727,

Juanita, S. dan Abadi, R., 2017, *Implementasi Algoritma Genetika pada Aplikasi Penjadwalan Kelas Menggunakan Metode Roulette Wheel Selection (RWS) Berbasis Web*, 91–8,

Khan, B.S. dan Niazi, M.A., 2017, *Network Community Detection: A Review and Visual Survey*, 39,

Kim, H., Shin, J., Kim, E., Kim, H., Hwang, S., Shim, J.E. dan Lee, I., 2014, YeastNet v3: a public database of data-specific and integrated functional

gene networks for *Saccharomyces cerevisiae*, *Nucleic Acids Research*, 42 (D1), D731–D736,

Kok, K.Y. dan Rajendran, P., 2016, Differential-Evolution Control Parameter Optimization for Unmanned Aerial Vehicle Path Planning, *PLoS ONE*,

Kumar S G, V. dan Panneerselvam, R., 2017, A Study of Crossover Operators for Genetic Algorithms to Solve VRP and its Variants and New Sinusoidal Motion Crossover Operator, *International Journal of Computational Intelligence Research*, 131717–1733,

Lancichinetti, A. dan Fortunato, S., 2009, Benchmarks for testing community detection algorithms on directed and weighted graphs with overlapping communities, *Physical Review E*, 80 (1), 016118,

Lei, Y., Zhou, Y. dan Shi, J., 2019, Overlapping communities detection of social network based on hybrid C-means clustering algorithm, *Sustainable Cities and Society*, 47101436,

Leskovec, J., Kleinberg, J. dan Faloutsos, C., 2007, Graph evolution: Densification and shrinking diameters, *ACM Transactions on Knowledge Discovery from Data*, 1 (1), 2-es,

Leskovec, J. dan Mcauley, J.J., 2012, *Learning to Discover Social Circles in Ego Networks*, 9,

Li, Z., Zhang, S., Wang, R.-S., Zhang, X.-S. dan Chen, L., 2008, Quantitative function for community detection., *Physical review. E, Statistical, nonlinear, and soft matter physics*, 77 (3), 036109,

Liu, H., Yang, F. dan Liu, D., 2016, Genetic algorithm optimizing modularity for community detection in complex networks, *2016 35th Chinese Control Conference (CCC)*, Juli 2016 IEEE, Chengdu, China., hlm. 1252–1256,

Lu, M., Qu, Z., Wang, Z. dan Zhang, Z., 2018, Hete_MESE: Multi-Dimensional Community Detection Algorithm Based on Multiplex Network Extraction and Seed Expansion for Heterogeneous Information Networks, *IEEE Access*, 673965–73983,

Lusseau, D., Schneider, K., Boisseau, O.J., Haase, P., Slooten, E. dan Dawson, S.M., 2003, The bottlenose dolphin community of Doubtful Sound features a large proportion of long-lasting associations, *Behavioral Ecology and Sociobiology*, 54 (4), 396–405,

Malathi, A. dan Radha, D., 2016, Analysis and visualization of social media networks, *2016 International Conference on Computation System and Information Technology for Sustainable Solutions (CSITSS)*, Oktober 2016 hlm. 58–63,

M'Barek, M.B., Borgi, A., Bedhiafi, W. dan Hmida, S.B., 2018, Genetic Algorithm for Community Detection in Biological Networks, *Procedia Computer Science*, 126195–204,

Mossel, E., Neeman, J. dan Sly, A., 2012, Stochastic Block Models and Reconstruction, *arXiv:1202.1499 [math-ph]*,

Mu'asyaroh, F.L. dan Mahmudy, W.F., 2016, Implementasi Algoritma Genetika Dalam Optimasi Model AHP dan Topsis Untuk Penentuan Kelayakan Pengisian Bibit Ayam Broiler di Kandang Peternak, *Jurnal Teknologi Informasi dan Ilmu Komputer*, 3 (4), 226,

Negnevitsky, M., 2005, *Artificial intelligence: a guide to intelligent systems*, 2nd ed, Addison-Wesley, Harlow, England ; New York.

Newman, M.E.J., 2006a, Finding community structure in networks using the eigenvectors of matrices, *Physical Review E*, 74 (3), 036104,

Newman, M.E.J., 2006b, Modularity and community structure in networks, *Proceedings of the National Academy of Sciences*, 103 (23), 8577–8582,

Newman, M.E.J., Strogatz, S.H. dan Watts, D.J., 2001, Random graphs with arbitrary degree distributions and their applications, *Physical Review E*, 64 (2), 026118,

Nicosia, V., Mangioni, G., Carchiolo, V. dan Malgeri, M., 2009, Extending the definition of modularity to directed graphs with overlapping communities, *Journal of Statistical Mechanics: Theory and Experiment*, 2009 (03), P03024,

Oliver, I.M., Smith, D.J. dan Holland, J.R.C., 1987, A Study of Permutation Crossover Operators on the Traveling Salesman Problem, *Proceedings of the Second International Conference on Genetic Algorithms on Genetic Algorithms and Their Application*, 1987 L. Erlbaum Associates Inc., Hillsdale, NJ, USA., hlm. 224–230,

Pattanayak, H.S., Sangal, A.L. dan Verma, H.K., 2019, Community detection in social networks based on fire propagation, *Swarm and Evolutionary Computation*, 4431–48,

Purnomo, A.M., Werdiastu, D., Raissa, T., Widodo, R. dan Wijayaningrum, V.N., 2019, Algoritma Genetika untuk Optimasi Komposisi Makanan Bagi Penderita Hipertensi, *Jurnal Teknologi dan Sistem Komputer*, 7 (1), 1–6,

Raju, E., Hameed, M.A. dan Sravanthi, K., t.t., Detecting communities in social networks using unnormalized spectral clustering incorporated with Bisecting K-means, *2015 IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT)*, hlm. 1–5,

Rao, B., Mitra, A. dan Mondal, J., 2015, Algorithm for Retrieval of Sub-community Graph from a Compressed Community Graph Using Graph Mining Techniques, *Procedia Computer Science*, 57678–685,

Rianawati, A. dan Mahmudy, W.F., 2015, *Implementasi Algoritma Genetika Untuk Optimasi Komposisi Makanan Bagi Penderita Diabetes Mellitus*, 5 (14), 12,

Rismala, R., 2015, Prediksi Time Series Tingkat Inflasi Indonesia Menggunakan Evolution Strategies, *Jurnal Ilmiah Teknologi Informasi Terapan*, 1 (2),

Shen, H., Cheng, X., Cai, K. dan Hu, M.-B., 2009, Detect overlapping and hierarchical community structure in networks, *Physica A: Statistical Mechanics and its Applications*, 388 (8), 1706–1712,

Shen-Orr, S.S., Milo, R., Mangan, S. dan Alon, U., 2002, Network motifs in the transcriptional regulation network of Escherichia coli, *Nature Genetics*, 31 (1), 64–68,

Storn, R. dan Price, K., 1995, *Differential Evolution- A simple and efficient adaptive scheme for global optimization over continuous spaces*.

Suhartono, E., 2015, Optimasi Penjadwalan Mata Kuliah Dengan Algoritma Genetika (Studi Kasus di AMIK JTC Semarang), *INFOKAM*, 11 (5),

Suyanto, 2008, *Evolutionary Computation: Komputasi Berbasis "Evolusi" dan "Genetika,"* Informatika, Bandung.

Syswerda, G., 1989, Uniform Crossover in Genetic Algorithms, *Proceedings of the 3rd International Conference on Genetic Algorithms*, 1989 Morgan Kaufmann Publishers Inc., San Francisco, CA, USA., hlm. 2–9,

Tasgin, M. dan Bingol, H., 2006, *Community Detection in Complex Networks using Genetic Algorithm*,

Watts, D.J., 1999, Networks, Dynamics, and the Small-World Phenomenon, *American Journal of Sociology*, 105 (2), 493–527,

Watts, D.J. dan Strogatz, S.H., 1998, *Collective dynamics of 'small-world' networks*, 3933,

Xu, Y., 2019, Community detection based on network communicability distance, *Physica A: Statistical Mechanics and its Applications*, 515112–118,

Yang, J. dan Leskovec, J., 2012, *Defining and Evaluating Network Communities based on Ground-truth*, 10,

Zachary, W.W., 1977, An Information Flow Model for Conflict and Fission in Small Groups, *Journal of Anthropological Research*, 33 (4), 452–473,

Zadeh, P.M. dan Kobti, Z., 2015, A Multi-Population Cultural Algorithm for Community Detection in Social Networks, *Procedia Computer Science*, 52342–349,

Zhang, J., Ding, X. dan Yang, J., 2019, Revealing the role of node similarity and community merging in community detection, *Knowledge-Based Systems*, 165407–419,

Zhou, X., Yang, K., Xie, Y., Yang, C. dan Huang, T., 2019, A novel modularity-based discrete state transition algorithm for community detection in networks, *Neurocomputing*, 33489–99,