

DAFTAR PUSTAKA

- Agrawal, V. dan Chandra, S., 2015, Feature selection using Artificial Bee Colony algorithm for medical image classification, *2015 8th International Conference on Contemporary Computing, IC3 2015*, [Online] 171–176, tersedia di DOI:10.1109/IC3.2015.7346674.
- Alshamlan, H., Badr, G. dan Alohal, Y., 2019, Microarray Gene Selection and Cancer Classification Method Using Artificial Bee Colony and SVM Algorithms (ABC-SVM), Jemal H. Abawajy, Mohamed Othman, Rozaida Ghazali, Mustafa Mat Deris, Hairulnizam Mahdin, dan Tutut Herawan (ed.), *Proceedings of the International Conference on Data Engineering 2015 (DaEng-2015)*, Springer Singapore, Singapore., hal. 575–584,
- Anggara, E.F., Widodo, T.W. dan Lelono, D., 2017, Deteksi Daging Sapi Menggunakan Electronic Nose Berbasis Bidirectional Associative Memory, *IJEIS (Indonesian Journal of Electronics and Instrumentation Systems)*, [Online] 7 (2), 209, tersedia di DOI:10.22146/ijeis.25489.
- Ardheniati, M., 2008, *FAKULTAS PERTANIAN UNIVERSITAS SEBELAS MARET SURAKARTA 2008*, 77,
- Arshak, K., Moore, E., Lyons, G.M., Harris, J. dan Clifford, S., 2004, *A review of gas sensors employed in electronic nose applications*, [Online]. tersedia di DOI:10.1108/02602280410525977.
- Bakar, M.A.A., Abdullah, A.H., Sa'ad, F.S.A., Shukor, S.A.A., Kamis, M.S., Razak, A.A.A. dan Mustafa, M.H., 2017, Electronic nose purging technique for confined space application, *Proceedings - 2017 IEEE 13th International Colloquium on Signal Processing and its Applications, CSPA 2017*, [Online] (March), 185–189, tersedia di DOI:10.1109/CSPA.2017.8064948.
- Banerjee, M.B., Roy, R.B., Tudu, B., Bandyopadhyay, R. dan Bhattacharyya, N., 2019, Black tea classification employing feature fusion of E-Nose and E-Tongue responses, *Journal of Food Engineering*, [Online] 24455–63, tersedia di DOI:10.1016/j.jfoodeng.2018.09.022.
- Banerjee, R., Chattopadhyay, P., Tudu, B., Bhattacharyya, N. dan Bandyopadhyay, R., 2014, Artificial flavor perception of black tea using fusion of electronic nose and tongue response: A Bayesian statistical approach, *Journal of Food Engineering*, [Online] 14287–93, tersedia di DOI:10.1016/j.jfoodeng.2014.06.004.
- Basu, B. dan Mahanti, G.K., 2010, A comparative study of modified particle swarm optimization, differential evolution and artificial bees colony optimization in synthesis of circular array, *ICPCES 2010 - International Conference on Power, Control and Embedded Systems*, [Online] 1–5, tersedia di DOI:10.1109/ICPCES.2010.5698614.
- Beniwal, S. dan Arora, J., 2012, Classification and Feature Selection Techniques in Data Mining, *International Journal of Engineering Research & Technology (IJERT)*, 1 (6), 1–6,

- Bhattacharyya, N., Tudu, B., Bandyopadhyay, R., Bhuya, M. dan Mudi, R., 2004, Aroma characterization of orthodox black tea with electronic nose, *IEEE Region 10 Annual International Conference, Proceedings/TENCON*, [Online] B427–430, tersedia di DOI:10.1109/tencon.2004.1414623.
- Boeker, P., 2014, On ‘Electronic Nose’ methodology, *Sensors and Actuators B: Chemical*, [Online] 2042–17, tersedia di DOI:10.1016/j.snb.2014.07.087.
- Chen, Q., Zhao, J., Chen, Z., Lin, H. dan Zhao, D.A., 2011, Discrimination of green tea quality using the electronic nose technique and the human panel test, comparison of linear and nonlinear classification tools, *Sensors and Actuators, B: Chemical*, [Online] 159 (1), 294–300, tersedia di DOI:10.1016/j.snb.2011.07.009.
- Dash, M. dan Liu, H., 1997, Feature selection for classification, *Intelligent Data Analysis*, [Online] 1 (3), 131–156, tersedia di DOI:10.3233/IDA-1997-1302.
- Dutta, A., Tudu, B., Bandyopadhyay, R. dan Bhattacharyya, N., 2011, Black tea quality evaluation using electronic nose: An artificial bee colony approach, *2011 IEEE Recent Advances in Intelligent Computational Systems, RAICS 2011*, [Online] (2), 143–146, tersedia di DOI:10.1109/RAICS.2011.6069290.
- Dutta, R., Hines, E.L., Gardner, J.W., Kashwan, K.R. dan Bhuyan, M., 2003, Tea quality prediction using a tin oxide-based electronic nose: An artificial intelligence approach, *Sensors and Actuators, B: Chemical*, [Online] 94 (2), 228–237, tersedia di DOI:10.1016/S0925-4005(03)00367-8.
- Estakhroueiye, H.R. dan Rashedi, E., 2015, Detecting moldy Bread using an E-nose and the KNN classifier, *2015 5th International Conference on Computer and Knowledge Engineering, ICCKE 2015*, [Online] 251–255, tersedia di DOI:10.1109/ICCKE.2015.7365836.
- Ghanem, W.A.H.M. dan Jantan, A., 2014, Swarm intelligence and neural network for data classification, *Proceedings - 4th IEEE International Conference on Control System, Computing and Engineering, ICCSCE 2014*, [Online] (November), 196–201, tersedia di DOI:10.1109/ICCSCE.2014.7072714.
- Jenicka, 2011, *Comparative Study of Classification Algorithms with Modified Multivariate Local Binary Pattern Texture Model on Remotely Sensed Images*, 848–852,
- Karaboga, D., 2010, *AN IDEA BASED ON HONEY BEE SWARM FOR NUMERICAL OPTIMIZATION*, 10,
- Karaboga, D. dan Basturk, B., 2007, A powerful and efficient algorithm for numerical function optimization: Artificial bee colony (ABC) algorithm, *Journal of Global Optimization*, [Online] 39 (3), 459–471, tersedia di DOI:10.1007/s10898-007-9149-x.
- Kumar, S., 2020, *Understanding 8 types of Cross-Validation _ by Satyam Kumar _ Towards Data Science*.
- Lelono, D., 2017, Pengembangan Instrumentasi Sistem Electronic Nose untuk Uji Teh Hitam Lokal. Universitas Gadjah Mada, *Tesis*, Universitas Gadjah

Mada.

- Length, F., 2007, *Antioxidant capacity of different types of tea products*, 6 (October), 2287–2296,
- Lintang, C.A., Widodo, T.W. dan Lelono, D., 2016, Rancang Bangun Electronic Nose untuk Mendeteksi Tingkat Kebusukan Ikan Air Tawar, *IJEIS (Indonesian Journal of Electronics and Instrumentation Systems)*, [Online] 6 (2), 129, tersedia di DOI:10.22146/ijeis.15251.
- Liu, H., Member, S., Yu, L. dan Member, S., 2005, *Algorithms for Classification and Clustering*, 17 (4), 491–502,
- Liu, H. dan Motoda, H., 1999, Feature Extraction Construction and Selection: A Data Mining Perspective. *Journal of the American Statistical Association*. [Online]. 94 (448) hal.1390. tersedia di DOI:10.2307/2669967.
- Liu, H., Yu, D. dan Gu, Y., 2019, Classification and Evaluation of Quality Grades of Organic Green Teas Using an Electronic Nose Based on Machine Learning Algorithms, *IEEE Access*, [Online] 7172965–172973, tersedia di DOI:10.1109/ACCESS.2019.2957112.
- Liu, Y.T. dan Tang, K.T., 2020, A Minimum Distance Inlier Probability (MDIP) Feature Selection Method to Improve Gas Classification for Electronic Nose Systems, *IEEE Access*, [Online] 8133928–133935, tersedia di DOI:10.1109/ACCESS.2020.3010788.
- Lu, Y., Cohen, I., Zhou, X.S. dan Tian, Q., 2007, Feature selection using principal feature analysis, *Proceedings of the 15th international conference on Multimedia - MULTIMEDIA '07*, [Online], 2007 ACM Press, Augsburg, Germany., hal. 301, tersedia di DOI:10.1145/1291233.1291297.
- Łuczaj, W. dan Skrzydlewska, E., 2005, Antioxidative properties of black tea, *Preventive Medicine*, [Online] 40 (6), 910–918, tersedia di DOI:10.1016/j.ypmed.2004.10.014.
- Makimori, G.Y.F. dan Bona, E., 2019, Commercial Instant Coffee Classification Using an Electronic Nose in Tandem with the ComDim-LDA Approach, *Food Analytical Methods*, [Online] 12 (5), 1067–1076, tersedia di DOI:10.1007/s12161-019-01443-5.
- Meguellati, M., Srairi, F., Djeflal, F. dan Saidi, L., 2015, Performance analysis of swimming microrobot using GA, ABC and PSO based-optimization techniques, *2015 4th International Conference on Systems and Control, ICSC 2015*, [Online] 310–314, tersedia di DOI:10.1109/ICoSC.2015.7153277.
- Men, H., Shi, Y., Jiao, Y., Gong, F. dan Liu, J., 2018, Electronic nose sensors data feature mining: A synergetic strategy for the classification of beer, *Analytical Methods*, [Online] 10 (17), 2016–2025, tersedia di DOI:10.1039/c8ay00280k.
- Monirul Kabir, M., Monirul Islam, M. dan Murase, K., 2010, A new wrapper feature selection approach using neural network, *Neurocomputing*, [Online] 73 (16–18), 3273–3283, tersedia di DOI:10.1016/j.neucom.2010.04.003.

- Palanisamy, S., 2012, Artificial Bee Colony Approach for Optimizing Feature Selection, *International Journal of Computer Science Issues*, 9 (3), 432–438,
- Pardo, M. dan Sberveglieri, G., 2005, Classification of electronic nose data with support vector machines, *Sensors and Actuators, B: Chemical*, [Online] 107 (2), 730–737, tersedia di DOI:10.1016/j.snb.2004.12.005.
- Pinheiro, C., Rodrigues, C.M., Schäfer, T. dan Crespo, J.G., 2002, Monitoring the aroma production during wine-must fermentation with an electronic nose: Monitoring Aroma Bioproduction with Electronic Nose, *Biotechnology and Bioengineering*, [Online] 77 (6), 632–640, tersedia di DOI:10.1002/bit.10141.
- Prakash, R., Tharun, V.P. dan Renuga Devi, S., 2018, A Comparative Study of Various Classification Techniques to Determine Water Quality, *Proceedings of the International Conference on Inventive Communication and Computational Technologies, ICICCT 2018*, [Online] (Icicct), 1501–1506, tersedia di DOI:10.1109/ICICCT.2018.8473168.
- Ren, G., Wang, Y., Ning, J. dan Zhang, Z., 2020, Using near-infrared hyperspectral imaging with multiple decision tree methods to delineate black tea quality, *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, [Online] 237118407, tersedia di DOI:10.1016/j.saa.2020.118407.
- Saeyns, Y., Inza, I. dan Larranaga, P., 2007, A review of feature selection techniques in bioinformatics, *Bioinformatics*, [Online] 23 (19), 2507–2517, tersedia di DOI:10.1093/bioinformatics/btm344.
- Saijo, R., 1977, Mechanisms of Developing Black Tea Aroma With Special Reference To Alcoholic Compounds, *Jarq-Japan Agricultural Research Quarterly*, 11 (4), 216–220,
- Santosa, B. dan Hanum, D.R., 2007, Studi komparasi metode klasifikasi dua kelas, *Prosiding Seminar Nasional Manajemen Teknologi V*,
- Schneider, J., 1997, *Cross Validation*. hal.01--3.
- da Silva Pinto, M., 2013, Tea: A new perspective on health benefits, *Food Research International*, [Online] 53 (2), 558–567, tersedia di DOI:10.1016/j.foodres.2013.01.038.
- Wang, J., Li, T., Ren, R., Lin, S.W., Ying, K.C., Chen, S.C., Wang, M. dan Tu, J., 2010, *A Real Time IDSs Based on Artificial Bee Colony- Support Vector Machine Algorithm*,
- Yan, J., Guo, X., Duan, S., Jia, P., Wang, L., Peng, C. dan Zhang, S., 2015, Electronic nose feature extraction methods: A review, *Sensors (Switzerland)*, [Online] 15 (11), 27804–27831, tersedia di DOI:10.3390/s151127804.
- Yu, L. dan Liu, H., 2003a, Efficiently handling feature redundancy in high-dimensional data, *Proceedings of the ACM SIGKDD International Conference on Knowledge Discovery and Data Mining*, [Online] 685–690, tersedia di DOI:10.1145/956750.956840.
- Yu, L. dan Liu, H., 2003b, Feature Selection for High-Dimensional Data: A Fast

Correlation-Based Filter Solution, *Proceedings, Twentieth International Conference on Machine Learning*, 2856–863,

Zou, W., Zhu, Y., Chen, H. dan Zhu, Z., 2010, Cooperative approaches to artificial bee colony algorithm, *ICCA SM 2010 - 2010 International Conference on Computer Application and System Modeling, Proceedings*, [Online] 9 (Iccasm), 44–48, tersedia di
DOI:10.1109/ICCA SM.2010.5623088.