

## DAFTAR PUSTAKA

- Bhattacharyya, N. dan Bandhopadhyaya, R., 2010, Electronic Nose and Electronic Tongue, Shyam N Jha (ed.), *Nondestructive Evaluation of Food Quality*, [Online], Springer-Verlag Berlin Heidelberg., hal. 73–100, tersedia di DOI:10.1007/978-3-642-15796-7.
- Budianita, E., dan Prijodiprojo, W. (2013). Penerapan Learning Vector Quantization (LVQ) untuk Klasifikasi Status Gizi Anak. *IJCCS*, 7, 155-166.
- Dwisudar, D. dan Lelono, D. ,2016, Pengembangan Rancang Bangun Ruang Sensor Bulat Pada Hidung Elektronik. Universitas Gadjah Mada.
- Hussain, S.A., Ramaiah, C.S., Prasad, M.N.G. dan Hussain, S.M. , 2016, Milk products monitoring system with arm processor for early detection of microbial activity. 2016 3rd MEC International Conference on Big Data and Smart City, ICBDS 2016. [Online] 0– 5. Tersedia di: doi:10.1109/ICBDSC.2016.7460385.
- Inca, Widodo, T.W. dan Lelono, D. , 2018, Klasifikasi Teh Hijau dan Teh Hitam Tambi-Pagilaran dengan Metode Principal Component Analysis (PCA) Menggunakan E-Nose. [Online]: 2460-7681. tersedia di DOI: 10.22146.
- Kusumadewi, S. dan Hartati,S., 2010, Neuro-Fuzzy:Integrasi Sistem Fuzy dan Jarigan Syaraf ,Graha Ilmu: Yogyakarta.
- Kusumoputro, B. dan Jatmiko, W., 2002. Recognition of odor mixture using fuzzy-LVQ neural networks with matrix similarity analysis, in: Asia-Pacific Conference on Circuits and Systems. Presented at the Asia-Pacific Conference on Circuits and Systems, pp. 57–61 vol.2. tersedia di: <https://doi.org/10.1109/APCCAS.2002.1115120>.
- Kuphaldt, T.R., 2009, Lesson In Industrial Instrumentation., tersedia di: [https://www.ibiblio.org/kuphaldt/socratic/sinst/book/liii\\_1v0.pdf](https://www.ibiblio.org/kuphaldt/socratic/sinst/book/liii_1v0.pdf)
- Lelono, D. , 2017, Pengembangan Instrumentasi Sistem Electronic Nose Untuk Uji Teh Hitam Lokal. *Disertasi*. Universitas Gadjah Mada.
- Lintang, C.A., Widodo, T.W. dan Lelono, D. , 2015, Rancang Bangun Electroni Nose untuk Mendeteksi Tingkat Kebusukan Ikan Air Tawar 1. (x), 1–12.
- Mamat, M., Samad, S. A., & Hannan, M. A. (2011). An electronic nose for reliable measurement and correct classification of beverages. *Sensors*, 11(6), 6435–6453. Tersedia di: <https://doi.org/10.3390/s110606435>.
- Nisa, F., 2018, Pengukuran Konsentrasi Aroma Sampel Teh Hitam Menggunakan Electronic Nose dengan melakukan Variasi Suhu. Universitas Gadjah Mada.

- Pearce, T.C., Schiffman, S., Nagle, H.T. dan Gardner, J.W. , 2003, Handbook of Machine Olfaction. [Online]. Wiley-VCH, Verlag GmbH & Co. KGaA. Tersedia di: doi:10.1017/CBO9781107415324.004.
- Ravichandran, and Dinakaran, K. 2009. *Hybrid Fuzzy C-Means Clustering Technique for Gene Expression Data*, Volume 1 Dept. of Computer Science and Engineering Hindustan Institute of Tech., Coimbatore, India: International Journal of Research and Reviews in Applied Sciences, ISSN: 2076-734X, EISSN: 2076-7366.
- Rivai, M., Tasripan, Rois, M., 2011. Klasifikasi Aroma Tembakau Menggunakan Deret Sensor Tin–Oxide dan Neural Network.
- Rosyad, F. , 2015, Klasifikasi Kemurnian Daging Sapi Berbasis Electronic Nose dengan Metode Principal Component Analysis. Universitas Gadjah Mada.
- Sabilla, S.I., Sarno, R., Siswantoro, J., 2017. Estimating Gas Concentration using Artificial Neural Network for Electronic Nose. 4th Inf. Syst. Int. Conf. 2017 ISICO 2017 6-8 Novemb. 2017 Bali Indones. 124, 181–188. Tersedia di: <https://doi.org/10.1016/j.procs.2017.12.145>.
- Sanaeifar, A., Mohtasebi, S.S., Ghasemi-Varnamkhasti, M. dan Ahmadi, H., 2016, Application of MOS based electronic nose for the prediction of banana quality properties. Measurement: Journal of the International Measurement Confederation. [Online] 82105– 114. Tersedia di: doi:10.1016/j.measurement.2015.12.041.
- Syafria, F., 2014, Pemodelan Fuzzy Learning Vector Quantization pada Pengenalan Suara Paru-Paru. *Tesis*. Institut Pertanian Bogor.
- Triyana, K., Agustika, D.K. dan Hardoyono, F. , 2012, Penerapan Metode Ekstraksi Ciri Berbasis Transformasi Wavelet Diskrit untuk Meningkatkan Unjuk Kerja Electronic Nose. (April), 90–93.
- Triyana, K., Masthori, A., Supardi, B. P., Iqbal, M., & Bharata, A. (2007). Prototype of Electronic Nose Based on Gas Sensors Array and Back Propagation Neural Network for Tea. *Journal of Mathematics and Natural Sciences*, 17(3), 57–62.
- Tudu, B., Kow, B., Bhattacharyya, N. dan Bandyopadhyay, R. , 2008, Comparison of multivariate normalization techniques as applied to electronic nose based pattern classification for black tea. Proceedings of the 3rd International Conference on Sensing Technology, ICST 2008. [Online] 254–258. Tersedia di: doi:10.1109/ICSENST.2008.4757108.
- Yan, J., Guo, X., Duan, S., Jia, P., Wang, L., Peng, C. dan Zhang, S., 2015, Electronic Nose Feature Extraction Methods: A Review, *Sensors*, [Online] 15 (11), 27804–27831, tersedia di DOI:10.3390/s151127804.