

DAFTAR PUSTAKA

- Adinugroho, W.C., Suryadiputra, I.N.N., Saharjo, B.H. dan Siboro, L., 2005, *Panduan Pengendalian Kebakaran Hutan*.
- Andika, A., 2015, Klasifikasi Aroma Jahe Berdasarkan Electronic Nose Dengan Metode Principal Component Analysis, *Skripsi*, Universitas Gadjah Mada.
- Arshak, K., Moore, E., Lyons, G.M., Harris, J. dan Clifford, S., 2004, A review of gas sensors employed in electronic nose applications, *Sensor Review*, [Online] 24 (2), 181–198, tersedia di DOI:10.1108/02602280410525977.
- Astuti, W., 2015, Identifikasi Tahu Berformalin dengan Electronic Nose Menggunakan Jaringan Syaraf Tiruan Backpropagation, *Skripsi*, Gadjah Mada University.
- Bahri, S., 2002, *Kajian Penyebaran Kabut Asap Kebakaran Hutan dan Lahan di Wilayah Sumatra Bagian Utara dan Kemungkinan Mengatasinya dengan TMC*, Jakarta.
- Bhattacharyya, N., Tudu, B., Bandyopadhyay, R., Bhuyan, M. dan Mudi, R., 2004, Aroma characterization of orthodox black tea with electronic nose, *2004 IEEE Region 10 Conference TENCON 2004.*, [Online] B427–430, tersedia di DOI:10.1109/TENCON.2004.1414623.
- Christien Arisona, D., 2015, Analisis Diskriminan Linier pada Klasifikasi Nasabah Menunggak dan Tidak Menunggak dengan Metode Cross Validation, *Tesis*, Hasanuddin.
- Deshmukh, L.P., Kasbe, M.S., Mujawar, T.H., Mule, S.S. dan Shaligram, A.D., 2016, A wireless electronic nose (WEN) for the detection and classification of fruits: A case study, *2016 International Symposium on Electronics and Smart Devices (ISESD)*, [Online] 174–178, tersedia di DOI:10.1109/ISESD.2016.7886714.
- Dorji, U., Pobkrut, T. dan Kerdcharoen, T., 2017, Electronic nose based wireless sensor network for soil monitoring in precision farming system, *2017 9th International Conference on Knowledge and Smart Technology (KST)*, [Online] 182–186, tersedia di DOI:10.1109/KST.2017.7886087.
- Figaro, 2014, TGS 2600 - for the detection of Air Contaminants,

- Fukunaga, K., 1990, *Introduction to Statistical Pattern Recognition*, Second, Harcourt Brace Jovanovich, Boston.
- García-González, D.L. dan Aparicio, R., 2002, Sensors: From biosensors to the electronic nose, *Grasas y Aceites*, [Online] 53 (1), 96–114, tersedia di DOI:10.3989/gya.2002.v53.i1.293.
- Gunawan, A., Rivai dan Setijadi, E., 2009, *Pengukuran Kadar Kepekatan Asap Pada Lahan Gambut*, 7,
- Gutierrez-Osuna, R., Nagle, H.T., Kermani, B. dan Schiffman, S.S., 2004, Signal Conditioning and Preprocessing, *Handbook of Machine Olfaction: Electronic Nose Technology*, [Online] 105–132, tersedia di DOI:10.1002/3527601597.ch5.
- Hines, E.L., Boilot, P., Gardner, J.W. dan Gongora, M.A., 2004, Pattern Analysis for Electronic Noses, *Handbook of Machine Olfaction*, [Online], Wiley-VCH Verlag GmbH & Co. KGaA., hal. 133–160, tersedia di DOI:10.1002/3527601597.ch6.
- Hudon, G., Guy, C. dan Hermia, J., 2000, Measurement of Odor Intensity by an Electronic Nose, *Journal of the Air & Waste Management Association*, [Online] 50 (10), 1750–1758, tersedia di DOI:10.1080/10473289.2000.10464202.
- Kodogiannis, V.S. dan Alshejari, A., 2016, Neuro-fuzzy based identification of meat spoilage using an electronic nose, *2016 IEEE 8th International Conference on Intelligent Systems, IS 2016 - Proceedings*, [Online] 96–103, tersedia di DOI:10.1109/IS.2016.7737406.
- Lelono, D., 2017, Pengembangan Instrumentasi Sistem Electronic Nose Untuk Uji Teh Hitam Lokal, *Disertasi*, Universitas Gadjah Mada.
- Lillesland, T.M. dan Kiefer, R.W., 2007, *Pengideraan Jauh dan Intepretasi Citra*, Gadjah Mada University Press, Yogyakarta.
- Lintang, C., 2015, RANCANG BANGUN ELECTRONIC NOSE UNTUK MENDETEKSI TINGKAT KEBUSUKAN IKAN AIR TAWAR, *Skripsi*, Universitas Gadjah Mada.
- Liu, H., Luo, D., Li, F. dan Xie, G., 2013, Quality Evaluation for Anxi Tieguanyin

- Tea Based on Electronic Nose and PCALDA Method, *2013 International Conference on Information Science and Cloud Computing Companion*, [Online], Desember 2013 IEEE., hal. 543–549, tersedia di DOI:10.1109/ISCC-C.2013.104.
- Loutfi, A. dan Coradeschi, S., 2008, Odor recognition for intelligent systems, *IEEE Intelligent Systems*, [Online] 23 (1), 41–48, tersedia di DOI:10.1109/MIS.2008.11.
- MAHMOUDI, E., 2009, *Electronic Nose Technology and its Applications*, 17–25,
- Niruntasuk, K., Innawong, B. dan Parakulsulsatid, P., 2006, Shelf life determination of vacuum fried mango chips using electronic nose, *The Proceedings of the 44th Kasetsart University Annual Conference; Kasetsart, Thailand*, 200–209,
- Patel, H.K., Austin, R.H., Barber, J. dan Patel, H.K., 2014, *The Electronic Nose: Artificial Olfaction Technology*, [Online]. tersedia di DOI:10.1007/978-81-322-1548-6.
- Pobkrut, T. dan Kerdcharoen, T., 2014, Soil sensing survey robots based on electronic nose, *International Conference on Control, Automation and Systems*, [Online] (Iccas), 1604–1609, tersedia di DOI:10.1109/ICCAS.2014.6987829.
- Pogfay, T., Watthanawisuth, N., Wisitsoraat, A., Lomas, T. dan Tuantranont, A., 2011, *Industrial Community Odor Monitoring Utilizing Wireless Electronic Nose for Human Health Protection*, 96–99,
- Pujiono, 2015, Mengapa kebakaran lahan gambut sulit dipadamkan, [Online], tersedia di <https://beritagar.id/artikel/sains-teknologi/mengapa-kebakaran-lahan-gambut-sulit-dipadamkan>.
- Rachmawati, N., 2008, Karakteristik Bahan Bakar dan Perilaku Api pada Kebakaran Hutan dan Lahan Rawa Gambut, *Jurnal Hutan Tropis*, [Online] 9 (22), 55–64, tersedia di <http://ejournal.unlam.ac.id/index.php/jht/article/view/561>.
- Rahman, I.N., 2017, Klasifikasi Kakao Berbasis E-nose dengan Metode Neuro Fuzzy, *Skripsi*, Universitas Gadjah Mada.
- Rosyad, F., 2015, Klasifikasi Kemurnian Daging Sapi Berbasis Electronic Nose

dengan Metode Principal Component Analysis, *Skripsi*, Universitas Gadjah Mada.

- S Borah, E L Hines, M S Leeson , D D Ilescu, M Bhuyan, J.W.G., 2008, Neural network based electronic nose for classification of tea aroma, *University of Warwick institutional repository*,
- Sadeghifard, S. dan Esmaeilani, L., 2012, A new embedded e-nose system to identify smell of smoke, *Proceedings - 2012 7th International Conference on System of Systems Engineering, SoSE 2012*, [Online] 253–257, tersedia di DOI:10.1109/SYSoSE.2012.6384178.
- Saidi, T., Welearegay, T.G., Zaim, O., Leon, O.G., Ionescu, R., El Bari, N. dan Bouchikhi, B., 2017, Ability of discrimination of breath from smoker and non-smoker volunteers by using an electronic nose based on WO₃ nanowires and SnO₂ sensors, *ISOEN 2017 - ISOCS/IEEE International Symposium on Olfaction and Electronic Nose, Proceedings*, [Online] tersedia di DOI:10.1109/ISOEN.2017.7968881.
- Sayad, D.S., 2010, Linear Discriminant Analysis, [Online], tersedia di <http://www.saedsayad.com/lda.htm>, diakses 24 April 2017
- Sun, H., Tian, F., Liang, Z., Sun, T., Yu, B., Yang, S.X., He, Q., Zhang, L. dan Liu, X., 2017, Sensor Array Optimization of Electronic Nose for Detection of Bacteria in Wound Infection, *IEEE Transactions on Industrial Electronics*, [Online] 64 (9), 7350–7358, tersedia di DOI:10.1109/TIE.2017.2694353.
- Scorsone, E., Pisanelli, A.M. dan Persaud, K.C., 2006, Development of an electronic nose for fire detection, *Sensors and Actuators, B: Chemical*, [Online] 116 (1–2), 55–61, tersedia di DOI:10.1016/j.snb.2005.12.059.
- Sizer, N., Leach, A., Minnemeyer, S., Higgins, M., Stolle, F., Anderson, J. dan Lawalata, J., 2014, Preventing Forest Fires in Indonesia: Focus on Riau Province, Peatland, and Illegal Burning, [Online], tersedia di <http://www.wri.org/blog/2014/04/preventing-forest-fires-indonesia-focus-riau-province-peatland-and-illegal-burning>.
- Smith, E.P., 1997, *Methods of multivariate analysis*, [Online]. tersedia di DOI:10.1016/S0378-3758(96)00098-5.

- Sukandarrumidi, 2004, *Batubara dan Gambut*, Gadjah Mada University Press, Yogyakarta.
- Syarifudin, U., 2016, 91.600 Korban Kebakaran Lahan dan Hutan, Salah Siapa?, [Online], tersedia di <http://www.visimuslim.net/2016/09/91600-korban-kebakaran-lahan-dan-hutan.html>.
- Szczurek, A. dan Maciejewska, M., 2012, Gas Sensor Array with Broad Applicability, *Sensor Array*, [Online] 81–108, tersedia di DOI:10.5772/36435.
- Timsorn, K., Wongchoosuk, C., Wattuya, P., Promdaen, S. dan Sittichat, S., 2014, Discrimination of chicken freshness using electronic nose combined with PCA and ANN, *2014 11th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology, ECTI-CON 2014*, [Online] tersedia di DOI:10.1109/ECTICon.2014.6839777.
- 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,
- Wicaksana, S., 2015, Purwarupa Sistem Deteksi Dini Kebakaran Berbasis Electronic Nose, *Skripsi*, Universitas Gadjah Mada.
- World Bank, 2015, Krisis Kebakaran dan Asap Indonesia, [Online], tersedia di <http://www.worldbank.org/in/news/feature/2015/12/01/indonesias-fire-and-haze-crisis>.
- 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.
- Yan, J., Tian, F., He, Q. dan Shen, Y., 2012, *Feature Extraction from Sensor Data for Detection of Wound Pathogen Based on Electronic Nose*, 24 (2), 57–73,