



DAFTAR PUSTAKA

- Andika, A., 2015, Klasifikasi Aroma Jahe Berdasarkan Electronic Nose Dengan Metode Principal Component Analysis, *Skripsi*, MIPA, Universitas Gadjah Mada, Yogyakarta,
- Agustika, D.K., dan Kuwat Triyana, 2016, *The Method of Baseline Manipulation to Overcome The Sensor Drift on Gas Sensor Test for Herbal Drinks Discrimination*, [Online] 5 (1), 55–59, tersedia di DOI: 10.21831/jsd,v5i1,12667,
- Awad, M., Khan, L., Bastani, F., dan Yen I,L., 2000, An Effective Support Vector Machines (SVM) Performance Using Hierarchical Clustering, *16th IEEE International Conference on Tools with Artificial Intelligence (ICTAI)*, Dallas, USA, tersedia di DOI: 10.1109/ICTAI,2004,26,
- Axel, R, dan L, Buck, 2010, *Olfactory System*, Cambridge : Massachusetts Institute of Technology,
- Barbri, N., Llobet, E., Bari, N, Correig, X., dan Bouchikhi, B., 2008, *Electronic Nose Based on Metal Oxide Semiconductor Sensors as an Alternative Technique for the Spoilage Classification of Red Meat*, [Online] 8,142–156, tersedia di ISSN: 1424-8220,
- Bhattacharyya, N., Tudu, B, dan Bandyopadhyay, R., 2004, *Aroma Characterization Of Orthodox Black Tea With E-nose*, 427–430,
- Carmel, L., Levy, S., Lancet, D., dan Harel, D., 2003, A Feature Extraction Method for Chemical Sensors in Electronic Noses, *Sensors and Actuators B*, [Online] 93, 67–76, tersedia di DOI:10.1016/S0925-4005(03)00247-8,
- Devendra, C, dan G,B, McLeroy, 1982, *Goat and Sheep Production in The Tropics*, New York: Longman Group limited,
- Di, S, dan M, Falasconi, 2012, Drift Correction Methods for Gas Chemical Sensors in Artificial Olfaction Systems: Techniques and Challenges, *Advances in Chemical Sensors*, [Online] 15(5), 305–326, tersedia di DOI: 10.5772/33411,



- Distante, C., Leo, M., Sicilianoa, P., dan Krishna, P.C., 2002, On the Study of Feature Extraction Methods for an Electronic Nose, *Sensors and Actuators B*, [Online] 87 (2), 274–288, tersedia di DOI: 10.1016/S0925-4005(02)00247-2,
- Dwisudar, D., 2016, Pengembangan Rancang Bangun Ruang Sensor Bulat pada Hidung Elektronik, *Skripsi*, MIPA, UGM, Yogyakarta,
- Dyah, K, A, dan Kuwat Triyana, 2015, *The Method of Baseline Manipulation to Overcome The Sensor Drift On Gas Sensor Test For Herbal Drinks Discrimination*, [Online] 5 (1), 52-56, tersedia di DOI: 10.21831/jsd.v5i1.12667,
- Falasconi, M., Concinia, I., Gobbi, E., Sberveglieri, V., Pulvirenti, A., dan Sberveglieri, G., 2012, *Electronic Nose for Microbiological Quality Control of Food Products*, [Online] 2012, tersedia di DOI:10.1155/2012/715763,
- Francesco, F,D., Lazzerini, B., Marcelloni, F., dan Pioggia, G., 2001, An electronic nose for odour annoyance assessment, *Atmospheric Environment*, 35, 1225-1234,
- Fikriya, Z,A dan Mohammad Isa Irawan, 2017, *Implementasi Extreme Learning Machine untuk Pengenalan Objek Citra Digital*, 6(1), 2337-3520,
- Gardner, J,W, dan Philip N, Bartlett, 1984, A Brief History of Electronic Noses, *Sens, Actuat, B: Chem*, 18, 211–220,
- Hodgins, D, dan Derek Sirnmonds, 2007, The Electronic Nose And Its Application To The Manufacture Of Food Products, *Automatic Chemistry*, 17(5), 179–185,
- Irawan, B,B,, 2016, Implementasi Metode Fuzzy untuk Penalaan Parameter Kendali PID Untuk Pemanas pada E-Nose, *Skripsi*, MIPA, UGM, Yogyakarta,
- Jiang, X., Xia, Y., Hu, J., Zhang, Z., Shu, L., dan Sun, C., 2011, An S-Transform and Support Vector Machine (SVM)-Based Online Method for Diagnosing Broken Strands in Transmission Lines, *Energies*, [Online] 4,1278–1300, tersedia di DOI:10.3390/en4091278,
- Kandel, E, dan J, Schwartz, 1985, *Principles of Neuroscience*, New York,



- Karamizadeh, S., Abdullah, S.M., Manaf, A.A., Zamani, M., Hooman, A., 2013, An Overview of Principal Component Analysis, *Journal of Signal and Information Processing*, Cyberjaya, Malaysia, tersedia di DOI: 10.4236/jsip.2013.43B031,
- Kaye, J.N., 1999, *Symbolic Olfactory Display*, Cambridge : Massachusetts Institute of Technology,
- Kim, E., Lee, S., Kim, H.J., Kim, C., Byun, Y.T., Kim, H.S., dan Lee, T., 2012, Pattern Recognition for Selective Odor Detection with Gas Sensor Arrays, *Sensors*, [Online] 12, 16262–16273, tersedia di DOI: 10.3390/s121216262,
- Kumar, G, dan Pradeep K, Bhatia, 2014, A Detailed Review of Feature Extraction In Image Processing Systems, *4th International Conference on Advanced Computing and Communication Technologies (ACCT)*, Haryana, India, tersedia di DOI: 10.1109/ACCT.2014.74,
- Lelono, D., 2017, Pengembangan Instrumentasi Sistem Electronic Nose Untuk Uji Teh Hitam Lokal, *Tesis*, Pascasarjana Universitas Gadjah Mada, Yogyakarta,
- LPPOM MUI, 2016, Ulasan tentang Bristle dari Bulu Babi, [Online], tersedia di http://www.halalmui.org/mui14/index.php/main/detil_page/8/23216, diakses 15 September 2016,
- Manning, C.D., Ragahvan, P., dan Schutze, H., 2009, *An Introduction to Information Retrieval*, Cambridge University Press, Cambrige,
- Mamat, M, dan Salina A, Samad, 2012, *Classification of Beverages Using Electronic Nose and Machine Vision Systems*,
- Marcus, M, dan H, Minc, 1998, *Introduction to Linear Algebra*, New York: Dover,
- Men, H., Fu, S., Yang, J., Cheng, M., Shi, Y., dan Liu, J., Comparison of SVM, RF and ELM on an Electronic Nose for the Intelligent Evaluation of Paraffin Samples, *Sensors*, [Online] 18(1), 285, tersedia di DOI: 10.3390/s18010285,
- Muttalib, S.A., Nugroho, J.W., dan Bintoro, N., Rahayoe, S., 2014, *Robusta Dengan Electronic Nose Menggunakan Sistem*, 2(2), 73–78,
- Natale, C.D., Macagnano, A., Paolesse, R., Tarizzo, E., Mantini, A., dan D'Amico, A., 2000, Human Skin Odor Analysis by Means of an Electronic Nose, *Sensors*



and *Actuators B*, [Online] 65 (1-3), 216–219, tersedia di DOI: 10.1016/S0925-4005(99)00313-5,

Nugroho, A,S,, Witarto, A,B, dan Handoko, D,, 2003, Support Vector Machine, <http://www,asnugroho.net/papers/ikcsvm.pdf>, diakses 16 September 2016,

Ordukaya, E, dan Bekir Karlik, 2017, Quality Control of Olive Oils Using Machine Learning and Electronic Nose, *Food Quality*, [Online] 2017, 7, tersedia di DOI: 10.1155/2017/9272404,

Prasetyo, E,, *Data Mining: Konsep dan Aplikasi menggunakan Matlab*, 1 ed, Yogyakarta: Andi Offset, 2012,

Rafi, M,, Anggundari, W,C, dan Irawadi, T,T,, 2016, Potensi Spektroskopi FT-IR-ATR dan Kemometrik untuk Membedakan Rambut Babi, Kambing, dan Sapi, *Indonesian Journal of Chemical Science*, 5(3),3–8,

Romano, A,, Cuenca, M,, Makhoul, S,, Biasioli, F,, Martinello, L,, Fugatti, A,, dan Scampicchio, M,, 2016, *Comparison Of E-Noses : The Case Study Of Honey*, 28,326–337,

Sharma, S,, 1996, *Applied Multivariate Techniques*, London: John Willey & Sons, Singh, N,H,, Kalita, P,, dan Saikia, M,P,, 2015, *Electronic-Nose Technology and Its Application -A Systematic Survey*, [Online] 3(1), 123–128, tersedia di DOI: 10.17148/IJIREEICE,2015,3126,

Smith, L,I,, 2002, A tutorial on Principal Components Analysis Introduction, *Statistics*, [Online] 51, 52, terdia di DOI: 10.1080/03610928808829796,

Sokoła B,P,, Dobrzański Z,, Bodak E,, Panyotu P,, dan Kołacz R,, 2003 Comparative Study On The Concentration of Elements In The Wool of Sheep of Cyprus and Poland Origin, *Chem Agric*, 4, 182-193,

Souhir, B,, Samet, H,, dan Samet, M,, 2014, *Gases Identification with Support Vector Machines Technique (SVMs)*, [Online], 271–276, tersedia di ISBN: 9781479948888,

Srivastava, D,K, dan Lekha Bhambhu, 2009, *Data Classification Using Support Vector Machine*, 1 (12), 1-7,



Susukh, J., Premrudeepreechacham, S., dan Kasirawat, T., 2009, *Power Quality Problem Classification Using Support Vector Machine*,

Tian, F., Zhang, J., Yang, S.X., Zhao, Z., Liang, Z., dan Liu, Y., 2016, Suppression of Strong Background Interference on E-Nose Sensors in an Open Country Environment, *Sensors*, [Online] 16 (233), 1-17, tersedia di DOI:10.3390/s16020233,

Tian, F., Yan, J., Xu, S., Feng, J., He, Q., Shen, Y., Jia, P., dan Kadri, C., 2012, *Classification of Electronic Nose Data on Wound Infection Detection Using Support Vector Machine Combined GA Material and Gas Sensor Array*, 8 (4), 3349-3357,

Trincavelli, M., Coradeschi, S., dan Loutfi, A., 2009, Odour classification system for continuous monitoring applications, *Sensors and Actuators*, [Online] 139(2), 265–273, tersedia di DOI: 10.1016/j.snb.2009.03.018,

Wilson, A.D, dan Manuela Baietto, 2009, *Applications and Advances in Electronic-Nose Technologies*, [Online] 9, 5099–5148, tersedia di DOI:10.3390/s90705099,

Wongchoosuk, C., Lutz, M., dan Kerdcharoen, T., 2009, *Detection and Classification of Human Body Odor Using an Electronic Nose*, [Online] 9, 7234–7249, tersedia di DOI: 10.3390/s90907234,

Xia, T., 2016, Support Vector Machine Based Educational Resources Classification, *Information and Education Technology*, [Online] 6(11), 880–883, tersedia di DOI: 10.7763/IJIET,2016,V6,809,

Yan, J., Tian, F., He, Q., Shen, Y., Xu, S., Feng, J., dan Chaibou, K., 2012, Feature Extraction from Sensor Data for Detection of Wound Pathogen Based on Electronic Nose, *Sensors and Materials*, 24(2), 57–73,

Żarski, TP., 1988, *A Recognition and An Assessment of Different Methods of Prevention and Liquidation of Mineral Deficiencies In Domestic and Wild Ruminants*, Warszawa: SGGW-AR.