DAFTAR PUSTAKA

[1] Roselin Gultom, Lidya Amallia Ilmania, Korbinianus Feribertus Rinca, Yohana Maria Febrizky Bollyn, Maria Tarsisia Luju, and Puspita Cahya Achmadi, "Evaluasi Penambahan Tepung Buah Pare (Momordica charantia) Sebagai Imbuhan Pakan Terhadap Kualitas Fisik Dan Kimia Daging Ayam Pedaging", doi: https://dx.doi.org/10.23960/jipt.v11i2.p82-93.

[2] A. P. RIDAYANA, "ANALISIS PREFERENSI DAN KEPUASAN KONSUMEN TERHADAP PEMBELIAN DAGING SAPI (Studi Kasus di Perumahan Taman Rahayu Kabupaten Bandung)," *Jurnal Sumber Daya Hewan*, vol. 4, no. 2, pp. 40–50, Jan. 2025, doi: 10.24198/jsdh.v4i2.49464.

[3] K. R. Gopalan, V. M. Koska, Y. A. Fredrick, A. N. Logu, K. Anusree, and M. Sivaswamy, "Contaminated Consumption: Unveiling the Health Hazards of Food Adulteration and its Profound Impact on Public Health in India," *Journal of Pioneering Medical Sciences*, vol. 13, no. 7, pp. 75–88, Dec. 2024, doi: 10.47310/jpms2024130713.

[4] L. Nida, H. Pisestyani, and C. Basri, "Studi Kasus: Pemalsuan Daging Sapi dengan Daging Babi Hutan di Kota Bogor," *JURNAL KAJIAN VETERINER*, vol. 8, no. 2, pp. 121–130, Dec. 2020, doi: 10.35508/jkv.v8i2.2326.

[5] Furizal, A. Ma'arif, A. A. Firdaus, and W. Rahmaniar, "Future Potential of E-Nose Technology: A Review," *International Journal of Robotics and Control Systems*, vol. 3, no. 3, pp. 449–469, 2023, doi: 10.31763/ijrcs.v3i3.1091.

[6] M. Roy and B. K. Yadav, "Electronic nose for detection of food adulteration: a review," Mar. 01, 2022, *Springer*. doi: 10.1007/s13197-021-05057-w.

[7] F. Rosyad and D. Lelono, "Klasifikasi Kemurnian Daging Sapi Berbasis Electronic Nose dengan Metode Principal Component Analysis," *IJEIS*, vol. 6, no. 1, pp. 47–58, 2016.

[8] A. Kalinichenko and L. Arseniyeva, "Electronic nose combined with chemometric approaches to assess authenticity and adulteration of sausages by soy protein," *Sens Actuators B Chem*, vol. 303, Jan. 2020, doi: 10.1016/j.snb.2019.127250.

[9] M. Gancarz *et al.*, "Detection and measurement of aroma compounds with the electronic nose and a novel method for MOS sensor signal analysis during the wheat bread making process," *Food and Bioproducts Processing*, vol. 127, pp. 90–98, May 2021, doi: 10.1016/j.fbp.2021.02.011.

[10] M. Malikhah, R. Sarno, and S. I. Sabilla, "Ensemble Learning for Optimizing Classification of Pork Adulteration in Beef Based on Electronic Nose Dataset," *International Journal of Intelligent Engineering and Systems*, vol. 14, no. 4, pp. 44–55, Aug. 2021, doi: 10.22266/ijies2021.0831.05.

[11] R. Sarno, K. Triyana, S. I. Sabilla, D. R. Wijaya, D. Sunaryono, and C. Fatichah, "Detecting Pork Adulteration in Beef for Halal Authentication Using an Optimized Electronic Nose System," *IEEE Access*, vol. 8, pp. 221700–221711, 2020, doi: 10.1109/ACCESS.2020.3043394.

[12] B. Sumanto, Abelta Mika Setiarini, Alfonzo Aruga Paripurna Barus, Iman Sabarisman, and Muhammad Arrofiq, "Pembelajaran Mesin Berbasis E-nose Untuk Klasifikasi Daging Pada Produk Sosis," *JST (Jurnal Sains dan Teknologi)*, vol. 13, no. 1, pp. 22–32, Apr. 2024, doi: 10.23887/jstundiksha.v13i1.70307.

[13] S. Wakhid, R. Sarno, and S. I. Sabilla, "The effect of gas concentration on detection and classification of beef and pork mixtures using E-nose," *Comput Electron Agric*, vol. 195, Apr. 2022, doi: 10.1016/j.compag.2022.106838.

[14] C. Avian, J. S. Leu, S. W. Prakosa, and M. Faisal, "An Improved Classification of Pork Adulteration in Beef Based on Electronic Nose Using Modified Deep Extreme Learning with Principal Component Analysis as Feature Learning," *Food Anal Methods*, vol. 15, no. 11, pp. 3020–3031, Nov. 2022, doi: 10.1007/s12161-022-02361-9.

[15] I. Shtepliuk *et al.*, "Electronic nose and machine learning for modern meat inspection," *J Big Data*, vol. 12, no. 1, Dec. 2025, doi: 10.1186/s40537-025-01151-4.

[16] B. M. Devassy, S. George, and P. Nussbaum, "Unsupervised clustering of hyperspectral paper data using T-SNE," *J Imaging*, vol. 6, no. 5, May 2020, doi: 10.3390/JIMAGING6050029.

[17] S. Suhaila, D. Lelono, and Y. S. Sari, "Seleksi Fitur dengan Artificial Bee Colony untuk Optimasi Klasifikasi Data Teh menggunakan Support Vector Machine," *IJEIS (Indonesian Journal of Electronics and Instrumentation Systems)*, vol. 12, no. 1, p. 81, Apr. 2022, doi: 10.22146/ijeis.63902.

[18] D. Y. Nadargi *et al.*, "Gas sensors and factors influencing sensing mechanism with a special focus on MOS sensors," Jan. 01, 2023, *Springer*. doi: 10.1007/s10853-022-08072-0.

[19] I. Silea and D. Petrica, "Aspects of TGS 813 Gas Sensor´s Use."

[20] S. A. Imam and M. R. Khan, "TGS Sensors in Electronic Nose for Multimedia Applications: A Practical Approach," *Asia-Pacific Business Review*, vol. Ill, no. 2, pp. 102–112.

[21] W. Eugster, J. Laundre, J. Eugster, and G. W. Kling, "Long-term reliability of the Figaro TGS 2600 solid-state methane sensor under low-Arctic conditions at Toolik Lake, Alaska," *Atmos Meas Tech*, vol. 13, no. 5, pp. 2681–2695, May 2020, doi: 10.5194/amt-13-2681-2020.

[22] A. Shah *et al.*, "Determining methane mole fraction at a landfill site using the Figaro Taguchi gas sensor 2611-C00 and wind direction measurements,"

Environmental Science: Atmospheres, vol. 4, no. 3, pp. 362–386, Feb. 2024, doi: 10.1039/d3ea00138e.

[23] J. A. Cavalcante, A. H. M. Silva, G. I. Gadotti, Á. S. de Araújo, and R. de C. M. Monteiro, "Stabilization of an MQ-3 Sensor for Ethanol Measurement in Cowpea Seeds," *Engenharia Agrícola*, vol. 43, no. 2, 2023, doi: 10.1590/1809-4430-eng.agric.v43n2e20200046/2023.

[24] D. K. Agustika and K. Triyana, "THE METHOD OF BASELINE MANIPULATION TO OVERCOME THE SENSOR DRIFT ON GAS SENSOR TEST FOR HERBAL DRINKS DISCRIMINATION," *Jurnal Sains Dasar*, vol. 5, no. 1, p. 55, Jan. 2017, doi: 10.21831/jsd.v5i1.12667.

[25] L. Sun and A. Z. Qamhiyah, "Parametric face coding for invariant model representation." [Online]. Available: www.elsevier.com/locate/cad

[26] W. K. Mutlag, S. K. Ali, Z. M. Aydam, and B. H. Taher, "Feature Extraction Methods: A Review," in *Journal of Physics: Conference Series*, IOP Publishing Ltd, Aug. 2020. doi: 10.1088/1742-6596/1591/1/012028.

[27] W. K. Mutlag, S. K. Ali, Z. M. Aydam, and B. H. Taher, "Feature Extraction Methods: A Review," in *Journal of Physics: Conference Series*, IOP Publishing Ltd, Aug. 2020. doi: 10.1088/1742-6596/1591/1/012028.

[28] "5113100006-Undergraduate_Thesis".

[29] K. L. Du, B. Jiang, J. Lu, J. Hua, and M. N. S. Swamy, "Exploring Kernel Machines and Support Vector Machines: Principles, Techniques, and Future Directions," Dec. 01, 2024, *Multidisciplinary Digital Publishing Institute (MDPI)*. doi: 10.3390/math12243935.

[30] V. Jakkula, "Tutorial on Support Vector Machine (SVM)."

[31] J. R. Quinlan, "Learning Decision Tree Classifiers," 1996.

[32] W. Ni *et al.*, "Classification and Concentration Predictions of Volatile Organic Compounds Using an Electronic Nose Based on XGBoost-Random

Forest Algorithms," *IEEE Sens J*, vol. 24, no. 1, pp. 671–678, Jan. 2024, doi: 10.1109/JSEN.2023.3304355.

[33] J. Qiu, "An Analysis of Model Evaluation with Cross-Validation: Techniques, Applications, and Recent Advances," *Advances in Economics, Management and Political Sciences*, vol. 99, no. 1, pp. 69–72, Sep. 2024, doi: 10.54254/2754-1169/99/2024OX0213.

[34] "Proceedings of the Twentysecond Midwest Artificial Intelligence and Cognitive Science Conference."

[35] S. Sathyanarayanan, "Confusion Matrix-Based Performance Evaluation Metrics," *African Journal of Biomedical Research*, pp. 4023–4031, Nov. 2024, doi: 10.53555/AJBR.v27i4S.4345.

[36] V. Alexander, "Perbandingan Algoritma Machine Learning Klasifikasi Pada Dataset Jenis Beras", doi: 10.13140/RG.2.2.16080.72967.