

## DAFTAR PUSTAKA

- Abbas, R. dan Djirimu, M., 1995, *Meningkatkan Hasil Belajar Siswa Melalui Penggunaan Metode Demonstrasi Pada Mata Pelajaran IPA Kelas IV SDN Rontojali*, 7 (1), 31–62,
- Anonim, 2018, Ethanol Leaves the Lungs in the Air, [Online], tersedia di <https://sites.duke.edu/a pep/module-4-alcohol-and-the-breathalyzer-test/content-ethanol-leaves-the-lungs-in-the-air/>, diakses 15 September 2021.
- Cui, J., Zhang, J., Dong, C., Liu, D. dan Huang, X., 2020, An ultrafast and high accuracy calculation method for gas radiation characteristics using artificial neural network, *Infrared Physics and Technology*, [Online] 108 (April), 103347, tersedia di DOI:10.1016/j.infrared.2020.103347.
- Dobmann, G., Kurz, J.H., A., T. dan D., S., 2010, *Development of automated non-destructive evaluation (NDE) systems for reinforced concrete structures and other applications*, [Online] 30–62, tersedia di DOI:10.1533/9781845699604.1.30.
- Eslami-Behroozi, M., Javan, M. dan Raoufy, M.R., 2018, Effect of airway remodeling and hyperresponsiveness on complexity of breathing pattern in rat, *Respiratory Physiology and Neurobiology*, [Online] 247 (July 2017), 65–70, tersedia di DOI:10.1016/j.resp.2017.09.007.
- Fajar Anggara, E., Wahyu Widodo, T. dan Lelono, D., 2017, *Deteksi Daging Sapi Menggunakan Electronic Nose Berbasis Bidirectional Associative Memory*, 7 (2),
- Fernandez, G.J., 2017, Sistem Pernafasan, *Histologi Dasar*, [Online] (1102005203), 335–355, tersedia di [https://simdos.unud.ac.id/uploads/file\\_penelitian\\_1\\_dir/385d7b9c6a60947ff4f1884689a41ae8.pdf](https://simdos.unud.ac.id/uploads/file_penelitian_1_dir/385d7b9c6a60947ff4f1884689a41ae8.pdf).
- Fitrya, N., Ginting, D., Retnawaty, S.F., Febriani, N., Fitri, Y. dan Wirman, S.P., 2017, Pentingnya Akurasi Dan Presisi Alat Ukur Dalam Rumah Tangga, *Jurnal Pengabdian UntukMu NegeRI*, [Online] 1 (2), 60–63, tersedia di DOI:10.37859/jpumri.v1i2.237.
- García-rodriguez, G.A., Argüelles-lucho, P., Woo-garcía, R.M., Martínez-castillo, J. dan Herrera-may, A.L., 2020, *Detection of volatile organic compounds using a commercial gas sensor embedded in a mobile robot*,
- Graybeal, L., 2018, What Is Anaerobic Respiration in Humans?, [Online], tersedia di <https://www.livestrong.com/article/158315-what-is-anaerobic-respiration-in-humans/>, diakses 15 September 2021.
- Hariyanto, Sarno, R. dan Wijaya, D.R., 2017, *Detection of Diabetes from Gas Analysis of Human Breath using E-Nose*, 0241–246,
- Harningsih, N., Sulaiman, T.N.S. dan Ikasari, E.D., 2014, *OPTIMASI NATRIUM BIKARBONAT DAN ASAM SITRAT SEBAGAI KOMPONEN EFFERVESCENT PADA TABLET FLOATING NIFEDIPIN*, 186–191,
- Haykin, S., 2009, *Neural Networks and Learning Machines*.
- Huang, Z., Zhang, Y., Yan, Q., Zhang, Z. dan Wang, X., 2016, Real-time monitoring of respiratory absorption factors of volatile organic compounds in

- ambient air by proton transfer reaction time-of-flight mass spectrometry, *Journal of Hazardous Materials*, [Online] 320547–555, tersedia di DOI:10.1016/j.jhazmat.2016.08.064.
- Kamceva, G., Arsova-Saradinovska, Z., Ruskovska, T., Zdravkovska, M., Kamceva-Panova, L. dan Stikova, E., 2016, *Cigarette Smoking and Oxidative Stress in Patients with Coronary Artery Disease*, [Online] tersedia di <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5175512/>.
- Karsito dan Susanti, S., 2019, *Klasifikasi Kelayakan Peserta Pengajuan Kredit Rumah dengan Algoritma Naive Bayes di Perumahan Azzura Residencia*, 943–48,
- Al Khuffash, K., Lamont, L.A. dan Abdel-Magid, Y., 2017, Using artificial neural networks to enhance the accuracy of the photovoltaic simulation model, *Conference Proceedings - 2017 17th IEEE International Conference on Environment and Electrical Engineering and 2017 1st IEEE Industrial and Commercial Power Systems Europe, IEEEIC / I and CPS Europe 2017*, [Online] tersedia di DOI:10.1109/IEEEIC.2017.7977458.
- Kumar Sai, K.B., Mukherjee, S. dan Parveen Sultana, H., 2019, Low Cost IoT Based Air Quality Monitoring Setup Using Arduino and MQ Series Sensors with Dataset Analysis, *Procedia Computer Science*, [Online] 165 (2019), 322–327, tersedia di DOI:10.1016/j.procs.2020.01.043.
- Ma, W., Qin, M., Choi, W.H., Chiu, P.F. dan Lueker-Boden, M., 2019, Improving Noise Tolerance of Hardware Accelerated Artificial Neural Networks, *Proceedings - 17th IEEE International Conference on Machine Learning and Applications, ICMLA 2018*, [Online] 797–801, tersedia di DOI:10.1109/ICMLA.2018.00127.
- Peel, A.M., Wilkinson, M., Sinha, A., Loke, Y.K., Fowler, S.J. dan Wilson, A.M., 2020, Volatile organic compounds associated with diagnosis and disease characteristics in asthma – A systematic review, *Respiratory Medicine*, [Online] 169 (March), 105984, tersedia di DOI:10.1016/j.rmed.2020.105984.
- Popa, C., Bratu, A.M. dan Petrus, M., 2018, A comparative photoacoustic study of multi gases from human respiration: mouth breathing vs. nasal breathing, *Microchemical Journal*, [Online] 139196–202, tersedia di DOI:10.1016/j.microc.2018.02.030.
- Rahayu, A.E.B., Muninggar, J. dan Ayub, M.R.S.S.N., 2017, Menentukan Karakteristik Dinamika Fluida pada Laju Aliran Pernapasan Upper Respiratory Airway Para Perokok Aktif. *Prosiding SNFA (Seminar Nasional Fisika dan Aplikasinya)*. [Online]. 1 hal.14. tersedia di DOI:10.20961/prosidingsnfa.v1i0.4492.
- Rahmani, R., Niazi, P., Naseri, M., Neishabouri, M., Farzanefar, S., Eftekhari, M., Derakhshan, F., Mollazadeh, R., Meysami, A. dan Abbasi, M., 2019, Improved diagnostic accuracy for myocardial perfusion imaging using artificial neural networks on different input variables including clinical and quantification data, *Revista Española de Medicina Nuclear e Imagen Molecular (English Edition)*, [Online] 38 (5), 275–279, tersedia di DOI:10.1016/j.remnie.2019.04.005.
- Raorane, A., 2020, *Driver Alertness System using Deep Learning , MQ3 and*

- Computer Vision*, (Iciccs), 1–6,
- Riska Yanu Fa'arifah dan Busrah, Z., 2017, Backpropagation Neural Network untuk Optimasi Akurasi pada Prediksi Financial Distress Perusahaan, *Jurnal Informasi Sains dan Teknologi (INSTEK)*, 2 (April), 101–110,
- Rose-gottron, C., Cooper, D.A.N.M., Meinardi, S., Ph, D., Newcomb, R., Ph, D., Zaldivar, F., Ph, D., Blake, D.R. dan Ph, D., 2005, *Breath Ethanol and Acetone as Indicators of Serum Glucose Levels: An Initial Report*, 7 (1),
- Rothbart, N., Schmalz, K. dan Kissinger, D., 2018, *Detection of Volatile Organic Compounds in Exhaled Human Breath by Millimeter-Wave/Terahertz Spectroscopy*, 4–5,
- Sabilla, S.I., Sarno, R. dan Siswanto, J., 2017, Estimating Gas Concentration using Artificial Neural Network for Electronic Nose, *Procedia Computer Science*, [Online] 124181–188, tersedia di DOI:10.1016/j.procs.2017.12.145.
- De Silva, G. dan Beyette, F.R., 2014, Alveolar air Volatile Organic Compound extractor for clinical breath sampling, *2014 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2014*, [Online] 5369–5372, tersedia di DOI:10.1109/EMBC.2014.6944839.