# DAFTAR PUSTAKA

Atmaji, C., Santoso, Y.W., Hujja, R.M., Dharmawan, A. dan Lelono, D., 2021, Klasifikasi Gerakan Jari Tangan Berdasarkan Sinyal Electromyogram Pada Lengan, *IJEIS (Indonesian Journal of Electronics and Instrumentation Systems)*, [Online] 11 (1), 71, tersedia di DOI:10.22146/ijeis.60741.

Batzianoulis, I., El-Khoury, S., Pirondini, E., Coscia, M., Micera, S. dan Billard, A., 2017, EMG-based decoding of grasp gestures in reaching-to-grasping motions, *Robotics and Autonomous Systems*, [Online] 9159–70, tersedia di DOI:10.1016/j.robot.2016.12.014.

Brownlee, J., 2019, How to Choose a Feature Selection Method For Machine Learning, [Online], tersedia di *https://machinelearningmastery.com/feature-selection-with-real-and-categorical-data/*, diakses 22 Juni 2022.

Caesarendra, W., Lekson, S.U., Mustaqim, K.A., Winoto, A.R. dan Widyotriatmo, A., 2016, A classification method of hand EMG signals based on principal component analysis and artificial neural network, *Proceedings of the 2016 International Conference on Instrumentation, Control, and Automation, ICA 2016*, [Online] (3), 22–27, tersedia di DOI:10.1109/ICA.2016.7811469.

Caesarendra, W., Tjahjowidodo, T. dan Pamungkas, D., 2017, EMG based classification of hand gestures using PCA and ANFIS, *Proceedings of the 2017 International Conference on Robotics, Biomimetics, and Intelligent Computational Systems, Robionetics 2017*, [Online] 2017-Decem18–23, tersedia di DOI:10.1109/ROBIONETICS.2017.8203430.

Eisenberg, G.D., Fyvie, K.G.H.M. dan Mohamed, A.K., 2017, Real-Time Segmentation and Feature Extraction of Electromyography: Towards Control of a Prosthetic Hand, *IFAC-PapersOnLine*, [Online] 50 (2), 151–156, tersedia di DOI:10.1016/j.ifacol.2017.12.028.

Gabriel, J.F., 2012, *Fisika Kedokteran*, Penerbit Buku Kedokteran EGC, Jakarta.

Gajowniczek, K., Wu, J., Gupta, S. dan Bajaj, C., 2022, Hofs: Higher Order Mutual Information Approximation for Feature Selection in R, *SSRN Electronic Journal*, [Online] 19101148, tersedia di DOI:10.2139/ssrn.4003261.

Gao, R.X. dan Yan, R., 2006, Non-stationary signal processing for bearing health monitoring, *International Journal of Manufacturing Research*, [Online] 1 (1), 18–40, tersedia di DOI:10.1504/IJMR.2006.010701.

Hassan, K.M., Islam, M.R., Nguyen, T.T. dan Molla, M.K.I., 2022, Epileptic seizure detection in EEG using mutual information-based best individual feature selection, *Expert Systems with Applications*, [Online] 193 (December 2021), 116414, tersedia di DOI:10.1016/j.eswa.2021.116414.

Holtkamp, M.J., 2014, *Discovering muscle pairs of Michiel Holtkamp*, (December

2009),

Ismail, N.A.I.P., 2016, *Pengaruh Pemberian Latihan Kontraksi Isometrik Volunter Dengan Atau Tanpa Electrical Muscle Stimulation Pada Kekuatan Kontraksi Otot Lengan Bawah*, 9–34,

Kiymik, M.K., Güler, I., Dizibüyük, A. dan Akin, M., 2005, Comparison of STFT and wavelet transform methods in determining epileptic seizure activity in EEG signals for real-time application, *Computers in Biology and Medicine*, [Online] 35 (7), 603–616, tersedia di DOI:10.1016/j.compbiomed.2004.05.001.

Kumar, M., Rath, N.K., Swain, A. dan Rath, S.K., 2015, Feature Selection and Classification of Microarray Data using MapReduce based ANOVA and K-Nearest Neighbor, *Procedia Computer Science*, [Online] 54301–310, tersedia di DOI:10.1016/j.procs.2015.06.035.

Lee, J., Kim, J. dan Park, J., 2013, Classification of grip configuration using surface EMG, *International Conference on Control, Automation and Systems*, [Online] 173–176, tersedia di DOI:10.1109/ICCAS.2013.6703886.

Mariam, S.K., 2006, Universal Bio-amplifier Berbasis Personal Computer (PC), *Tesis*, Universitas Airlangga.

Maurya, V.P., Kumar, P. dan Halder, S., 2019, Optimisation and Classification of EMG signal using PSO-ANN, *Proceedings of 3rd International Conference on 2019 Devices for Integrated Circuit, DevIC 2019*, [Online] 191–195, tersedia di DOI:10.1109/DEVIC.2019.8783882.

Miften, F.S., Diykh, M., Abdulla, S., Siuly, S., Green, J.H. dan Deo, R.C., 2021, A new framework for classification of multi-category hand grasps using EMG signals, *Artificial Intelligence in Medicine*, [Online] 112 (December 2020), 102005, tersedia di DOI:10.1016/j.artmed.2020.102005.

Multajam, R., Sanjaya, M., Sambas, A., Subkhi, N. dan Imamal, M., 2016, *DESAIN DAN ANALISIS ELECTROMYOGRAPHY(EMG) SERTA APLIKASINYA DALAM MENDETEKSI SINYAL OTOT*, II (2), 37–47,

Mustiadi, I., 2017, Klasifikasi sinyal EMG berbasis jaringan syaraf tiruan dan discrete wavelet transform, *Teknoin*, [Online] 23 (3), 223–240, tersedia di DOI:10.20885/teknoin.vol23.iss3.art4.

Oliver, J., 2019, Bab II Tinjauan Pustaka Tuberkulosis, *Hilos Tensados*, 11–476,

Olmo, M. dan Domingo, R., 2020, EMG Characterization and Processing in Production Engineering, *Materials*, [Online] tersedia di DOI:10.3390/ma13245815.

Ozdemir, M.A., Kisa, D.H., Guren, O., Onan, A. dan Akan, A., 2020, EMG based Hand Gesture Recognition using Deep Learning, *TIPTEKNO 2020 - Tip Teknolojileri Kongresi - 2020 Medical Technologies Congress, TIPTEKNO*

*2020*, [Online] (1919), 17–20, tersedia di DOI:10.1109/TIPTEKNO50054.2020.9299264.

Pamungkas, R., Susanto, E. dan Sarwoko, I.M., 2015, *Perancangan Sistem Monitoring Sinyal Kelistrikan Jantung , Jumlah Tetes Infus , Dan Suhu Tubuh Secara Wireless.*, 2 (2), 1–8,

Peña-Pitarch, E., 2007, Virtual Human Hand : Grasping Strategy and Simulation Esteban Pe ˜ Academic Dissertation for the Degree of PhD, *October*, [Online] (October), 1–144, tersedia di *http://www.tdx.cbuc.es/TESIS_UPC/AVAILABLE/TDX-0614110-125338/TEPP1de1.pdf*.

Purnomo, E., 2019, *Anatomi Fungsional*, [Online] 164, tersedia di *http://staffnew.uny.ac.id/upload/131872516/penelitian/c2-FUNGSIONAL ANATOMI soft cpy.pdf*.

Riyanto, S., Purwanto, A. dan Supardi, 2009, Algoritma Fast Fourier Transform (FFT) Decimation In Time (DIT) dengan Resolusi 1/10 Hertz, *Seminar Nasional Penelitian, Pendidikan, dan Penerapan MIPA*, 223–231,

Rokhana, R. dan Wardana, P.S., 2009, *Identifikasi Sinyal Electromyograph ( Emg ) Pada Gerak Ekstensi-Fleksi Siku Dengan Metode Konvolusi Dan Jaringan Syaraf Tiruan*, 1–6,

Smith, J.O., 2011, Spectral Audio Signal Processing, [Online], tersedia di *https://ccrma.stanford.edu/~jos/sasp/Hamming_Window.html*, diakses 1 Juni 2021.

Suwadi dan Suryani, T., 2020, *Pengolahan Sinyal Digital*, Kesatu, Nurul Falah Atif (ed.), PT Refika Aditama, Bandung.

Tandiallo, J.M., 2019, TA: Identifikasi Suara Manusia Berdasarkan Jenis Kelamin Menggunakan Ekstraksi Ciri Short Time Fourier Transform, *Tesis*, Institut Bisnis dan Informatika Stikom Surabaya.

Wang, N., Lao, K., Zhang, X., Lin, J. dan Zhang, X., 2019, The recognition of grasping force using LDA, *Biomedical Signal Processing and Control*, [Online] 47393–400, tersedia di DOI:10.1016/j.bspc.2018.06.011.

Yoshikawa, M., Mikawa, M. dan Tanaka, K., 2007, Hand pose estimation using EMG signals, *Annual International Conference of the IEEE Engineering in Medicine and Biology - Proceedings*, [Online] (1), 4830–4833, tersedia di DOI:10.1109/IEMBS.2007.4353421.