

DAFTAR PUSTAKA

- Abdelgaber, K.M. *et al.* (2023) 'Subject-Independent per Beat PPG to Single-Lead ECG Mapping', *Information (Switzerland)*, 14(7). Available at: <https://doi.org/10.3390/info14070377>.
- Ahmad, D. (2023) 'Hubungan Kekuatan Otot Lengan Terhadap Tosser Atlet Bola Voli Sma Negeri 13 Muko- Muko', *JDER Journal of Dehasen Education Reviem*, 2023 : 4(1), 115-120, 4(1), pp. 115–120.
- Alfita, R. *et al.* (2022) 'Rancang Bangun Alat Theraphy Infrared Berbasis STM 32 Untuk Deteksi Nyeri Otot', *Jurnal Teknologi Elektro*, 13(1), p. 35. Available at: <https://doi.org/10.22441/jte.2022.v13i1.007>.
- Aljebory, K.M., Jwmah, Y.M. and Mohammed, T.S. (2024) 'Classification of EMG Signals: Using DWT Features and ANN Classifier', *IAENG International Journal of Computer Science*, 51(1), pp. 23–31.
- Arianto, E. and Bernardinus Sri Widodo (2022) 'Rancang Bangun Sistem Terapi Infrared Otomatis Untuk Terapi Far-Infrared Pada Spinal Cord', *J-Innovation*, 11(1), pp. 12–16. Available at: <https://doi.org/10.55600/jipa.v11i1.127>.
- Arif, N.H. *et al.* (2024) 'An Approach to ECG-based Gender Recognition Using Random Forest Algorithm', *Journal of Electronics, Electromedical Engineering, and Medical Informatics*, 6(2), pp. 107–115. Available at: <https://doi.org/10.35882/jeeemi.v6i2.363>.
- Babiuch, M., Foltyniek, P. and Smutny, P. (2019) 'Using the ESP32 microcontroller for data processing', *Proceedings of the 2019 20th International Carpathian Control Conference, ICCC 2019*, pp. 1–6. Available at: <https://doi.org/10.1109/CarpathianCC.2019.8765944>.
- Daffa, A.Z., Widasari, E.R. and Syauqy, D. (2023) 'Analisis Perbandingan Metode Ekstraksi Fitur Mean Absolute Value, Root Mean Square, dan Variance untuk Deteksi Kelelahan Otot Biceps Brachii', 7(7), pp. 3434–3440. Available at: <http://j-ptiik.ub.ac.id>.
- Dania Siregar *et al.* (2023) 'Penerapan Metode Support Vector Machines (SVM) dan Metode Naïve Bayes Classifier (NBC) dalam Analisis Sentimen Publik terhadap Konsep Child-free di Media Sosial Twitter', *Jurnal Statistika dan Aplikasinya*, 7(1), pp. 93–104. Available at: <https://doi.org/10.21009/jsa.07109>.
- Dasamuka, T.J. and Widasari, E.R. (2024) 'Implementasi Wearable Device untuk Sistem Pendeteksi Kelelahan Otot Biceps Menggunakan Metode Support Vector Machine', 1(1), pp. 1–8.
- Didik Iswanto, P., Haris Kuspranoto, A. and Rani, D.M. (2022) 'Rancang Bangun Alat Lampu Infra Merah Yang Dapat Menyesuaikan Intensitas Cahaya Dengan Jarak Berbasis Arduino Uno', *Medika Trada*, 2(1), pp. 35–43. Available at: <https://doi.org/10.59485/jtemp.v2i1.17>.
- Ebied, A. *et al.* (2020) 'Upper Limb Muscle Fatigue Analysis Using Multi-channel Surface EMG', *2nd Novel Intelligent and Leading Emerging Sciences Conference, NILES 2020*, pp. 423–427. Available at: <https://doi.org/10.1109/NILES50944.2020.9257909>.
- Elshafei, M. and Shihab, E. (2021) 'Towards detecting biceps muscle fatigue in gym

activity using wearables’, *Sensors (Switzerland)*, 21(3), pp. 1–18. Available at: <https://doi.org/10.3390/s21030759>.

Harahap, H.S. (2024) ‘Implementasi Phyton Dalam Matematika’, *Mathematical and Data Analytics*, 1(1), pp. 1–8.

Hwang, H.J. *et al.* (2019) ‘Prediction of biceps muscle fatigue and force using electromyography signal analysis for repeated isokinetic dumbbell curl exercise’, *Journal of Mechanical Science and Technology*, 30(11), pp. 5329–5336. Available at: <https://doi.org/10.1007/s12206-016-1053-1>.

Karthick, P.A., Ghosh, D.M. and Ramakrishnan, S. (2019) ‘Surface electromyography based muscle fatigue detection using high-resolution time-frequency methods and machine learning algorithms’, *Computer Methods and Programs in Biomedicine*, 154, pp. 45–56. Available at: <https://doi.org/10.1016/j.cmpb.2017.10.024>.

Kristomo, D. and Kusjani, A. (2022) ‘Perbandingan Mother Wavelet Untuk Ekstraksi Ciri Isyarat Tutar’, *JIKO (Jurnal Informatika dan Komputer)*, 6(2), p. 133. Available at: <https://doi.org/10.26798/jiko.v6i2.554>.

Lestari Sudirman, P. *et al.* (2023) ‘Hubungan Sikap Kerja Ergonomi Terhadap Kelelahan Otot Tangan Pada Tindakan Restorasi Resin Komposit Gigi Anterior Oleh Mahasiswa Profesi Kedokteran Gigi’, *Dental Health Journal*, 10(1), pp. 1–8. Available at: <https://doi.org/10.33992/jkg.v7i1>.

Ma, L. *et al.* (2023) ‘An Improved Feature Extraction Method for Surface Electromyography Based on Muscle Activity Regions’, *IEEE Access*, 11(July), pp. 68410–68420. Available at: <https://doi.org/10.1109/ACCESS.2023.3291108>.

Moslhi, A.M., Aly, H.H. and ElMessiery, M. (2024) ‘The Impact of Feature Extraction on Classification Accuracy Examined by Employing a Signal Transformer to Classify Hand Gestures Using Surface Electromyography Signals’, *Sensors*, 24(4). Available at: <https://doi.org/10.3390/s24041259>.

Ng, H.W. and Guan, C. (2024) ‘Subject-independent meta-learning framework towards optimal training of EEG-based classifiers’, *Neural Networks*, 172, p. 106108. Available at: <https://doi.org/10.1016/j.neunet.2024.106108>.

Nugraha, A.A. and Widasari, E.R. (2019) ‘Sistem Pendeteksi Kelelahan Otot pada Biceps Brachii Menggunakan Fitur Root Mean Square dan Klasifikasi Random Forest’, 1(1), pp. 1–11.

Otálora, S. *et al.* (2023) ‘Data-Driven Approach for Upper Limb Fatigue Estimation Based on Wearable Sensors’, *Sensors*, 23(22), p. 9291. Available at: <https://doi.org/10.3390/s23229291>.

Pancholi, S. and Joshi, A.M. (2020) ‘Improved Classification Scheme Using Fused Wavelet Packet Transform Based Features for Intelligent Myoelectric Prostheses’, *IEEE Transactions on Industrial Electronics*, 67(10), pp. 8517–8525. Available at: <https://doi.org/10.1109/TIE.2019.2946536>.

Podrug, E. and Subasi, A. (2019) ‘Surface EMG pattern recognition by using DWT feature extraction and SVM classifier’, *1st Conference of Medical and Biological Engineering in Bosnia and Herzegovina*, (March), pp. 1–3.

Rabbani, S. *et al.* (2023) ‘Perbandingan Evaluasi Kernel SVM untuk Klasifikasi Sentimen

dalam Analisis Kenaikan Harga BBM', *MALCOM: Indonesian Journal of Machine Learning and Computer Science*, 3(2), pp. 153–160. Available at: <https://doi.org/10.57152/malcom.v3i2.897>.

Raharjo, A.B., Fatukhurrozi, B. and Nawawi, I. (2024) 'ANALISIS SINYAL ELECTROMYOGRAPHY (EMG) PADA OTOT BICEPS BRACHII UNTUK MENDETEKSI KELELAHAN OTOT DENGAN METODE MEDIAN FREKUENSI', *Jurnal Pengembangan Teknologi Informasi dan Ilmu Komputer*, 8(7).

Rianti, E.D.D. (2022) 'Pemanfaatan Sinar Infra Merah Terhadap Kesehatan Manusia', *Jurnal Ilmiah Kedokteran Wijaya Kusuma* 2, pp. 1–12.

Sandi, C. *et al.* (2022) 'Artificial Neural Network dan Pemodelan Numerik untuk Prediksi Parameter Aliran akibat Dam Break', *Jurnal Teknik Sumber Daya Air*, pp. 129–140. Available at: <https://doi.org/10.56860/jtsda.v2i2.50>.

Sun, J. *et al.* (2022) 'Application of Surface Electromyography in Exercise Fatigue: A Review', *Frontiers in Systems Neuroscience*, 16(August), pp. 1–8. Available at: <https://doi.org/10.3389/fnsys.2022.893275>.

Suwarni, A., Aryani, A. and Wulansari, A. (2024) 'Intervensi Keperawatan Fisioterapi Sinar Infrared Dapat Menurunkan Skala Disabilitas Aktifitas Sehari-Hari Pada Pasien Low Back Pain Myogenik', *Jurnal Wacana Kesehatan*, 9(1). Available at: <https://doi.org/10.52822/jwk.v9i1.556>.

Tornero-Aguilera, J.F. *et al.* (2022) 'Central and Peripheral Fatigue in Physical Exercise Explained: A Narrative Review', *International Journal of Environmental Research and Public Health*, 19(7). Available at: <https://doi.org/10.3390/ijerph19073909>.

Triwiyanto, T., Dewa Gede Hari Wisana, I. and Mak'ruf, M.R. (2020) 'Feature extraction and classifier in the development of exoskeleton based on emg signal control: A review', *Journal of Critical Reviews*, 7(12), pp. 879–885. Available at: <https://doi.org/10.31838/jcr.07.12.155>.

Untari, I., Prasajo, I. and Sarifah, S. (2024) 'Differences in the Effectiveness of Infrared Therapy for Reducing Musculoskeletal Pain in the Elderly', *Bangladesh Journal of Medical Science*, 23(1), pp. 108–114. Available at: <https://doi.org/10.3329/bjms.v23i1.70695>.

Widya, U. and Klaten, D. (2020) 'Pengaruh Infra Red dengan Massage Fisioterapi terhadap Tingkat Stres Mahasiswa yang Sedang Mengerjakan Tugas Akhir', *Medika Respati : Jurnal Ilmiah Kesehatan*, 15(3), pp. 167–176.

Yousif, Hayder A *et al.* (2019) 'Assessment of Muscles Fatigue Based on Surface EMG Signals Using Machine Learning and Statistical Approaches : A Review Assessment of Muscles Fatigue Based on Surface EMG Signals Using Machine Learning and Statistical Approaches ': Available at: <https://doi.org/10.1088/1757-899X/705/1/012010>.

Yousif, Hayder A., Zakaria, A., *et al.* (2019) 'Assessment of Muscles Fatigue Based on Surface EMG Signals Using Machine Learning and Statistical Approaches: A Review', *IOP Conference Series: Materials Science and Engineering*, 705(1). Available at: <https://doi.org/10.1088/1757-899X/705/1/012010>.

Yousif, Hayder A., Norasmadi, A.R., *et al.* (2019) 'Assessment of Muscles Fatigue during 400-Meters Running Strategies Based on the Surface EMG Signals', *Journal of Biomimetics, Biomaterials and Biomedical Engineering*, 42, pp. 1–13. Available at:

<https://doi.org/10.4028/www.scientific.net/JBBBE.42.1>.

Yulianto, A. and Putra, F.D. (2021) 'Perancangan Pendeteksi Sinyal EMG pada Gerak Lengan menggunakan Wavelet Transform', *Telcomatics*, 6(2), p. 56. Available at: <https://doi.org/10.37253/telcomatics.v6i2.4994>.