

DAFTAR PUSTAKA

- Ashriyah, N., Sardjono, T. A., & Nuh, M. (2020). Pengembangan Instrumentasi dan Analisis Sinyal EMG pada Otot Leher. *Jurnal Teknik ITS*, 9(1), 9–16. <https://doi.org/10.12962/j23373539.v9i1.44787>
- Audini, V. A., & Wibowo, E. (2018). Perbedaan Intervensi Towel Toe Curl Dan Calf Raise Terhadap Myofascial Release Pada Peningkatan Fungsional Ankle Kasus Plantar. *Fasciitis Jurnal Fisioterapi*, 18(2), 8. <https://doi.org/10.47007/fisio.v18i2.2662>
- Bhandarkar, A. (2013). Design Considerations for a Robust EMG Amplifier. *International Journal of Science and Research (IJSR)*, 14(10), 2319–7064. www.ijsr.net
- Carlson, H. L. (2009). Electromyography. *The Inflammatory Myopathies*, 111–125. https://doi.org/10.1007/978-1-60327-827-0_7
- Cheng, L., Li, J., Guo, A., & Zhang, J. (2023). Recent advances in flexible noninvasive electrodes for surface electromyography acquisition. *Npj Flexible Electronics*, 7(1), 1–26. <https://doi.org/10.1038/s41528-023-00273-0>
- Esposito, D., Centracchio, J., Bifulco, P., & Andreozzi, E. (2023). A smart approach to EMG *envelope* extraction and powerful denoising for human–machine interfaces. *Scientific Reports*, 13(1), 1–13. <https://doi.org/10.1038/s41598-023-33319-4>
- Fahmi, N. A., Widodo, A., Kholis, N., & Baskoro, F. (2021). Rancang Bangun Elektromiograf untuk Identifikasi Gerakan Otot Bisep. *Jurnal Teknik Elektro*, 10(3), 609–618.
- Fatoni, M. H., Ashriyah, N., Sardjono, T. A., & Nuh, M. (2022). Comparison of *Amplifiers* Utilization in Instrumentation to Record Muscle Signals in the Neck for Electrolarynx Applications. *JAREE (Journal on Advanced Research in Electrical Engineering)*, 6(2). <https://doi.org/10.12962/jaree.v6i2.329>
- Fu, J., Choudhury, R., Hosseini, S. M., Simpson, R., & Park, J. H. (2022). Myoelectric Control Systems for Upper Limb Wearable Robotic Exoskeletons and Exosuits—A Systematic Review. *Sensors*, 22(21), 1–31. <https://doi.org/10.3390/s22218134>

- Garcia, M. M. (2022). *Bicep Muscle Rep Counter with SEMG By*.
- Gowda, H. T., & Miller, L. M. (2024). Topology of surface electromyogram signals: hand gesture decoding on Riemannian manifolds. *Journal of Neural Engineering*, 21(3), 1–15. <https://doi.org/10.1088/1741-2552/ad5107>
- Kamavuako, E. N. (2022). On the Applications of EMG Sensors and Signals. *Sensors*, 22(20), 2–5. <https://doi.org/10.3390/s22207966>
- Lestari, D., & Yuniarti, E. (2019). *InfoTekJar : Jurnal Nasional InformatikadanTeknologiJaringan Analisis Aktifitas Otot dengan Elektroda Ag / AgCL Menggunakan Labview 2015*. 2, 0–3.
- Pamungkas, D., Kurniawan, S. R., & Simamora, B. F. (2021). Perbandingan Antara Domain Waktu dan Frekuensi untuk Pengenalan Sinyal EMG. *Jurnal Rekayasa Elektrika*, 17(1), 36–41. <https://doi.org/10.17529/jre.v17i1.16844>
- Pangesti, A., Julianti, H. P., Pudjonarko, D., Rahmawati, M. B., & Ismail, R. (2021). Pengaruh Robotic Therapy dalam Meningkatkan ROM dan Memperbaiki Tonus Pasien Stroke Iskemik. *Medica Hospitalia : Journal of Clinical Medicine*, 8(1), 104–111. <https://doi.org/10.36408/mhjcm.v8i1.530>
- Pérez-Reynoso, F., Farrera, N., Capetillo, C., Méndez-Lozano, N., González-Gutiérrez, C., & López-Neri, E. (2022). Pattern Recognition of EMG Signals by Machine Learning for the Control of a Manipulator Robot. *Sensors*, 22(9). <https://doi.org/10.3390/s22093424>
- Prabawati, R. K., & Pitaloka, A. S. (2021). Profil Penderita Stroke Berulang Rumah Sakit Muhammadiyah Malang Periode Juli-Agustus 2019. *Herb-Medicine Journal*, 4(3), 10. <https://doi.org/10.30595/hmj.v4i3.8147>
- Rakasena, E. P. G., & Herdiman, L. (2020). Electric wheelchair with forward-reverse control using electromyography (EMG) control of arm muscle. *Journal of Physics: Conference Series*, 1450(1). <https://doi.org/10.1088/1742-6596/1450/1/012118>
- Reaz, M. B. I., Hussain, M. S., & Mohd-Yasin, F. (2006). Techniques of EMG signal analysis: Detection, processing, classification and applications. *Biological Procedures Online*, 8(1), 11–35. <https://doi.org/10.1251/bpo115>

- Rizal, A., & Suryani, V. (2008). Pengenalan Signal EKG Menggunakan Dekomposisi Paket Wavelet dan K-Means Clustering. *Proceeding Seminar Nasional Aplikasi Teknologi Inofrmasi 2008(SNATI 2008)*, 2008(Snati), 5–8.
- Sabry, A. A.-M. (2023). *A Novel Power-optimized CMOS sEMG Device with Ultra Low-noise integrated with ConvNet (VGG16) for Biomedical Applications*.
<https://doi.org/10.13140/RG.2.2.28054.63044>
- Sardjono, T. A., Kusuma, H., Tasripan, & Sugiarto, K. (2022). Comparative SNR Analysis Between Instrument ADAS1000 and AD620. *Jurnal Sistim Informasi Dan Teknologi*, 4, 129–133.
<https://doi.org/10.37034/jsisfotek.v4i3.145>
- Sunadome, K., Erickson, A. G., Kah, D., Fabry, B., Adori, C., Kameneva, P., Faure, L., Kanatani, S., Kaucka, M., Dehnisch Ellström, I., Tesarova, M., Zikmund, T., Kaiser, J., Edwards, S., Maki, K., Adachi, T., Yamamoto, T., Fried, K., & Adameyko, I. (2023). Directionality of developing skeletal muscles is set by mechanical forces. *Nature Communications*, 14(1), 1–24.
<https://doi.org/10.1038/s41467-023-38647-7>
- Taking, A. (2022). *Analisa Rangkaian Active High Pass Filter Orde 1 Dan Orde 2 Topology Sallenkey*. 7–15.
<https://repository.ubt.ac.id/repository/UBT24-03-2022-132754.pdf>
- Tankisi, H., Burke, D., Cui, L., de Carvalho, M., Kuwabara, S., Nandedkar, S. D., Rutkove, S., Stålberg, E., van Putten, M. J. A. M., & Fuglsang-Frederiksen, A. (2020). Standards of instrumentation of EMG. *Clinical Neurophysiology*, 131(1), 243–258. <https://doi.org/10.1016/j.clinph.2019.07.025>
- Thesis, M. (2024). *MASTER THESIS AUTOMATIC EMG ENVELOPE DETECTION FOR LEG MUSCLES USING DEEP LEARNING FROM A MULTI- ELECTRODE*.
- Ummah, M. S. (2019). No 主観的健康感を中心とした在宅高齢者における健康関連指標に関する共分散構造分析Title. *Sustainability (Switzerland)*, 11(1), 1–14.
<http://scioteca.caf.com/bitstream/handle/123456789/1091/RED2017-Eng-8ene.pdf?sequence=12&isAllowed=y%0Ahttp://dx.doi.org/10.10>

16/j.regsciurbeco.2008.06.005%0Ahttps://www.researchgate.net/publication/305320484_SISTEM_PEMBETUNGAN_TERPUSAT_STRATEGI_MELESTARI

- Van Der Horst, M. J. (2021). A Broadband, High Common-Mode Rejection Ratio Instrumentation Amplifier. *Proceedings of the 2021 Asia-Pacific International Symposium on Electromagnetic Compatibility, APEMC 2021*.
<https://doi.org/10.1109/APEMC49932.2021.9596926>
- Wang, J., Tang, L., & E Bronlund, J. (2013). Surface EMG Signal Amplification and Filtering. *International Journal of Computer Applications*, 82(1), 15–22. <https://doi.org/10.5120/14079-2073>
- Wulandari, I. (2020). *Pengaruh Alas Kaki Dengan Kelenturan Sol Berbeda Terhadap Aktivitas Sinyal Emg Otot Tungkai Bawah Dan Ground Reaction Force Saat Berjalan*.
https://repository.its.ac.id/76632/1/07111850067006-Master_Thesis.pdf
- Yin, G., Zhang, X., Chen, D., Li, H., Chen, J., Chen, C., & Lemos, S. (2020). Processing Surface EMG Signals for Exoskeleton Motion Control. *Frontiers in Neurorobotics*, 14(July), 1–11.
<https://doi.org/10.3389/fnbot.2020.00040>
- Yulistia, A., Aulia, G., Al Rasyid, H., Ramadhani, M. M., & Zahrani, N. I. (2024). Evaluasi Kinerja Filter *Highpass* Dan *Lowpass* Pada Citra Beresolusi Tinggi Menggunakan Matlab. *Journal Of Informatics And Busisnes*, 2(2), 190–196.
- Zhou, Y., Chen, C., Ni, J., Ni, G., Li, M., Xu, G., Cheng, M., & Lemos, S. (2020). EMG Signal Processing for Hand Motion Pattern Recognition Using Machine Learning Algorithms. *Archives of Orthopaedics*, 1(1), 17–26.
<https://doi.org/10.33696/orthopaedics.1.005>