

## DAFTAR PUSTAKA

- [1] J. J. Cabibihan, M. K. Abubasha, and N. Thakor, "A Method for 3-D Printing Patient-Specific Prosthetic Arms with High Accuracy Shape and Size," *IEEE Access*, vol. 6, no. c, pp. 25029–25039, 2018, doi: 10.1109/ACCESS.2018.2825224.
- [2] T. Kocejko, R. Weglerski, T. Zubowicz, J. Ruminski, J. Wtorek, and K. Arminski, "Design aspects of a low-cost prosthetic arm for people with severe movement disabilities," *Int. Conf. Hum. Syst. Interact. HSI*, vol. 2020-June, pp. 295–299, 2020, doi: 10.1109/HSI49210.2020.9142647.
- [3] P. Wattanasiri, P. Tangpornprasert, and C. Virulsri, "Design of multi-grip patterns prosthetic hand with single actuator," *IEEE Trans. Neural Syst. Rehabil. Eng.*, vol. 26, no. 6, pp. 1188–1198, 2018, doi: 10.1109/TNSRE.2018.2829152.
- [4] S. S. Pakalapati, G. Govardhana Chary, A. K. Yadaw, S. Kumar, H. K. Phulawariya, and R. Kumar, "A prosthetic hand control interface using ESP8266 Wi-Fi module and Android application," *Proc. 2017 Int. Conf. Innov. Information, Embed. Commun. Syst. ICIIECS 2017*, vol. 2018-Janua, pp. 1–3, 2018, doi: 10.1109/ICIIECS.2017.8275978.
- [5] M. Controzzi, F. Clemente, D. Barone, A. Ghionzoli, and C. Cipriani, "The SSSA-MyHand: A dexterous lightweight myoelectric hand prosthesis," *IEEE Trans. Neural Syst. Rehabil. Eng.*, vol. 25, no. 5, pp. 459–468, 2017, doi:

10.1109/TNSRE.2016.2578980.

- [6] M. Snajdarova, J. Barabas, R. Radil, and O. Hock, "Proof of concept EMG-Controlled prosthetic hand system - An overview," *Proc. 2018 19th Int. Conf. Comput. Probl. Electr. Eng. CPEE 2018*, pp. 1–4, 2018, doi: 10.1109/CPEE.2018.8506896.
- [7] R. B. Azhiri, M. Esmaeili, and M. Nourani, "EMG-Based Feature Extraction and Classification foProsthetic Hand Control," *Epic Ser. Comput.*, vol. 83, pp. 136–145, 2022, doi: 10.29007/zflb.
- [8] R. E. Russo, J. G. Fernández, and R. R. Rivera, "Algorithm of Myoelectric Signals Processing for the Control of Prosthetic Robotic Hands," *J. Comput. Sci. Technol.*, vol. 18, no. 01, p. e04, 2018, doi: 10.24215/16666038.18.e04.
- [9] V. Kumar, "A new proposal for time domain features of EMG signal on individual basis over conventional space," *4th IEEE Int. Conf. Signal Process. Comput. Control. ISPCC 2017*, vol. 2017-Janua, pp. 531–535, 2017, doi: 10.1109/ISPCC.2017.8269736.
- [10] A. Rahmatillah, L. Salamat, and S. Soelistono, "Design and implementation of prosthetic hand control using myoelectric signal," *Int. J. Adv. Sci. Eng. Inf. Technol.*, vol. 9, no. 4, pp. 1231–1237, 2019, doi: 10.18517/ijaseit.9.4.4887.
- [11] B. Kundu and D. S. Naidu, "Classification and Feature Extraction of Different Hand Movements from EMG Signal using Machine Learning based Algorithms," *3rd Int. Conf. Electr. Commun.*

*Comput. Eng. ICECCE 2021*, no. August, 2021, doi: 10.1109/ICECCE52056.2021.9514134.

- [12] M. K. Dr. Eddy Purnomo, *Anatomi Fungsional*. 2019. [Online]. Available: <http://staffnew.uny.ac.id/upload/131872516/penelitian/c2-FUNGSIONAL ANATOMI soft cpy.pdf>
- [13] N. Sawake, S. Gupta, A. Ghatge, A. Khatri, and K. M. Bhurchandi, "EMG-based Prosthetic Leg for Above-Knee Amputee," *Proc. - 2014 Texas Instruments India Educ. Conf. THIEC 2014*, pp. 69–72, 2017, doi: 10.1109/THIEC.2014.020.
- [14] DFROBOT, "Gravity: Analog EMG Sensor by OYMotion," *SKU:Sen0240*, 2018, [Online]. Available: <https://www.dfrobot.com/product-1661.html>
- [15] Raspberry Pi, "Raspberry Pi Zero 2 W," *Raspberry Pi*, 2021.
- [16] I. Rahayuningsih, A. D. Wibawa, and E. Premunanto, "Klasifikasi Bahasa Isyarat Indonesia Berbasis Sinyal EMG Menggunakan Fitur Time Domain (MAV, RMS, VAR, SSI)," *J. Tek. ITS*, vol. 7, no. 1, Mar. 2018, doi: 10.12962/j23373539.v7i1.29967.
- [17] A. Setiawan and P. K. Handayani, "DENGAN EKSTRAKSI CIRI BERBASIS DOMAIN WAKTU," vol. 2012, no. Semantik, pp. 364–370, 2012.
- [18] P. Y. Jayaweera, "Design and Implementation of Electromyography ( EMG ) based Real-Time Pattern Recognition model for Prosthetic hand

Control”.

- [19] M. Learning, *Machine learning 분야 소개 및 주요 방법론 학습 기본 machine learning 알고리즘에 대한 이해 및 응용 관련 최신 연구 동향 습득*, 1st ed., vol. 45, no. 13. UNIMAL PRESS, 2017. [Online]. Available: <https://books.google.ca/books?id=EoYBngEACA-AJ&dq=mitchell+machine+learning+1997&hl=en&sa=X&ved=0ahUKEwiodmqfj8TkAhWGsIkKHCbAtoQ6AEIKjAA>
- [20] X. Hao, G. Zhang, and S. Ma, “Deep Learning,” *Int. J. Semant. Comput.*, vol. 10, no. 03, pp. 417–439, Sep. 2016, doi: 10.1142/S1793351X16500045.
- [21] Y. Y. Song and Y. Lu, “Decision tree methods: applications for classification and prediction,” *Shanghai Arch. Psychiatry*, vol. 27, no. 2, pp. 130–135, 2015, doi: 10.11919/j.issn.1002-0829.215044.
- [22] M. Schonlau and R. Y. Zou, “The *Random Forest* algorithm for statistical learning,” *Stata J.*, vol. 20, no. 1, pp. 3–29, 2020, doi: 10.1177/1536867X20909688.
- [23] A. Natekin and A. Knoll, “*Gradient Boosting* machines, a tutorial,” *Front. Neurorobot.*, vol. 7, no. DEC, 2013, doi: 10.3389/fnbot.2013.00021.
- [24] J. B. Goodenough and K. Park, “J. B. Goodenough and K.-S. Park, *J. Amer. Chem. Soc.*,” *J. Am. Chem. Soc.*, vol. 135, p. 1167, 2012.

- [25] A. Wicaksana, “Developer Experience,” *Https://Medium.Com/*, 2016, [Online]. Available: <https://medium.com/@arifwicaksanaa/pengertian-use-case-a7e576e1b6bf>