

## DAFTAR PUSTAKA

- [1] D. Handiyatmo, Parwoto, and Widaryatmo, Eds., *Profil Penduduk Indonesia Hasil SUPAS 2015*, 5th ed. Jakarta: Badan Pusat Statistik, 2015.
- [2] Kementrian Kesehatan RI, “Situasi Penyandang Disabilitas,” *Bul. Jendela Data Inf. Kesehat.*, vol. Semester 2, no. 1, pp. 1–5, 2014.
- [3] N. Ezra Meliora, R. Angga, and S. Unang, “Perancangan dan Implementasi Tangan Robot Buatan dengan Menggunakan Elektromiogram,” *eProceedings Eng.*, vol. 2, no. 2, p. 63, 2015.
- [4] L. S. Praveen, S. N. Nagananda, and P. Shankapal, “Design and Development of Real Time Bionic Hand Control Using EMG Signal,” *2018 IEEE Int. Conf. Electron. Comput. Commun. Technol. CONECCT 2018*, pp. 1–4, 2018.
- [5] Yetkin et al, “System , Apparatuses and Methods For Controlling Prosthetic Devices by Gestures and Other Modalities,” US20170296363A1, 2017.
- [6] L. A. Pozzobon, S. Guerra, and G. R. Librelotto,

“A low-cost , compliant , underactuated prosthetic hand with custom flex sensors for finger bending estimation,” 2019.

- [7] C. A. Baker, N. Akhlaghi, H. Rangwala, J. Kosecka, and S. Sikdar, “Real-time, ultrasound-based control of a virtual hand by a trans-radial amputee,” *Proc. Annu. Int. Conf. IEEE Eng. Med. Biol. Soc. EMBS*, vol. 2016-October, pp. 3219–3222, 2016.
- [8] N. Hettiarachchi, “A New Wearable Ultrasound Muscle Activity Sensing System for Dexterous Prosthetic Control,” pp. 1415–1420, 2015.
- [9] C. M. Oppus, J. R. R. Prado, J. C. Escobar, J. A. G. Mariñas, and R. S. J. Reyes, “Brain-computer interface and voice-controlled 3D printed prosthetic hand,” 2017.
- [10] S. Prabhu, “Low Cost Voice and Gesture controlled Prosthetic Hand,” *2017 Int. Conf. Energy, Commun. Data Anal. Soft Comput.*, pp. 2794–2800, 2017.
- [11] M. R. Ahmed, R. Halder, M. Uddin, P. C. Mondal,

and A. K. Karmaker, "Prosthetic Arm Control Using Electromyography (EMG) Signal," *2018 Int. Conf. Adv. Electr. Electron. Eng. ICAEEE 2018*, pp. 1–4, 2019.

- [12] R. Ismail, G. D. Wijaya, M. Ariyanto, A. Suriyanto, and W. Caesarendra, "Development of Myoelectric Prosthetic Hand based on Arduino IDE and Visual C# for Trans-radial Amputee in Indonesia," *Proc. 2018 Int. Conf. Appl. Eng. ICAE 2018*, pp. 1–5, 2018.
- [13] T. Triwiyanto, I. Pawana, T. Hamzah, and S. Luthfiyah, "Low-cost and open-source anthropomorphic prosthetics hand using linear actuators," *TELKOMNIKA (Telecommunication Comput. Electron. Control.*, vol. 18, p. 953, Apr. 2020.
- [14] T. A. Kuiken, L. A. Miller, K. Turner, and L. J. Hargrove, "A Comparison of Pattern Recognition Control and Direct Control of a Multiple Degree-of-Freedom Transradial Prosthesis," *IEEE J. Transl. Eng. Heal. Med.*, vol. 4, no. c, 2016.
- [15] Triwiyanto, Herianto, O. Wahyunggoro, and H. A.

- Nugroho, “Quantitative relationship between feature extraction of sEMG and upper limb elbow joint angle,” *Proc. - 2016 Int. Semin. Appl. Technol. Inf. Commun. ISEMANTIC 2016*, pp. 44–50, 2017.
- [16] J. Ma, N. V. Thakor, and F. Matsuno, “Hand and wrist movement control of myoelectric prosthesis based on synergy,” *IEEE Trans. Human-Machine Syst.*, vol. 45, no. 1, pp. 74–83, 2015.
- [17] A. G. Jaramillo and M. E. Benalcazar, “Real-time hand gesture recognition with EMG using machine learning,” *2017 IEEE 2nd Ecuador Tech. Chapters Meet. ETCM 2017*, vol. 2017-Janua, pp. 1–5, 2018.
- [18] P. Geethanjali and K. K. Ray, “A Low-Cost Real-Time Research Platform for EMG Pattern Recognition-Based Prosthetic Hand,” *IEEE/ASME Trans. Mechatronics*, vol. 20, no. 4, pp. 1948–1955, 2015.
- [19] S. Pancholi and A. M. Joshi, “Sensor systems Electromyography-Based Hand Gesture Recognition System for,” *IEEE Sensors Lett.*, vol.

3, no. 3, pp. 1–4, 2019.

- [20] X. Chen and Z. J. Wang, “Biomedical Signal Processing and Control Pattern recognition of number gestures based on a wireless surface EMG system,” *Biomed. Signal Process. Control*, vol. 8, no. 2, pp. 184–192, 2013.
- [21] S. Benatti, S. Member, F. Casamassima, S. Member, and B. Milosevic, “Benatti2015,” pp. 1–11, 2015.
- [22] S. Lee, M. Kim, T. Kang, J. Park, and Y. Choi, “Knit Band Sensor for Myoelectric Control of,” *IEEE Sens. J.*, vol. PP, no. c, p. 1, 2018.
- [23] S. Raurale, J. McAllister, and J. M. del Rincon, “EMG Wrist-Hand Motion Recognition System For Real-Time Embedded Platform,” *ICASSP 2019 - 2019 IEEE Int. Conf. Acoust. Speech Signal Process.*, pp. 1523–1527, 2019.
- [24] 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.

- [25] M. Seo, D. Yoon, J. Kim, and Y. Choi, “EMG-based prosthetic hand control system inspired by missing-hand movement,” *2015 12th Int. Conf. Ubiquitous Robot. Ambient Intell. URAI 2015*, no. Urai, pp. 290–291, 2015.
- [26] K. W. S. P. Schoen, “Hybrid Prosthetic Hand,” US20150112448A1, 2015.
- [27] A. Ahmad, “Mengenal Artificial Intelligence, Machine Learning, Neural Network, dan Deep Learning,” *J. Teknol. Indones.*, no. October, p. 3, 2017.
- [28] I. Muhammad and Z. Yan, “SUPERVISED MACHINE LEARNING APPROACHES : A SURVEY SUPERVISED MACHINE LEARNING APPROACHES : A SURVEY,” no. May, 2016.
- [29] I. Muhammad and Z. Yan, “Supervised Machine Learning Approaches: a Survey,” *ICTACT J. Soft Comput.*, vol. 05, no. 03, pp. 946–952, 2015.
- [30] D. F. Azid, B. I. S. Si, and C. S. S. T,

“PENERJEMAHAN HURUF CYRILLIC RUSIA KE HURUF LATIN MENGGUNAKAN ALGORITMA SVM ( SUPPORT VECTOR MACHINE ) TRANSLATION RUSSIAN CYRILLIC TO LATIN ALPHABET USING SVM ( SUPPORT VECTOR MACHINE ),” vol. 4, no. 3, pp. 4007–4014, 2017.

- [31] Enri Ultach, “OPTIMASI PARAMETER SUPPORT VECTOR MACHINES UNTUK PREDIKSI NILAI TUKAR RUPIAH TERHADAP DOLLAR AMERIKA SERIKAT Ultach,” vol. 8, no. 1, pp. 65–72, 2018.
- [32] Advernesia, “Pengertian dan Cara Kerja Algoritma K-Nearest Neighbors (KNN).” 2018.
- [33] M. I. Mubarak, “Decision Tree [ Pohon Keputusan ],” pp. 2018–2020, 2019.
- [34] M. M. Saritas, “Performance Analysis of ANN and Naive Bayes Classification Algorithm for Data Classification,” *Int. J. Intell. Syst. Appl. Eng.*, vol. 7, no. 2, pp. 88–91, 2013.
- [35] A. Harlyana, “Pengertian, Fungsi dan Model

Raspberry,” *Androbuntu.Com*, 2019.

- [36] Al-Muqsith, *Anatomi dan Biomekanika SENDI SIKU DAN PERGELANGAN TANGAN*. 2018.
- [37] S. F. Ridho, “Pengertian Tangan Bionik,” 2015.
- [38] D. R. Amancio *et al.*, “A systematic comparison of supervised classifiers,” *PLoS One*, vol. 9, no. 4, 2014.
- [39] Z. Yan and C. Xu, “Studies on classification models using decision boundaries \*,” *Proc. 2009 8th IEEE Int. Conf. Cogn. Informatics, ICCI 2009*, pp. 287–294, 2009.