

DAFTAR PUSTAKA

- [1] World Health Organization, “Disability and Health,” 2024, [Accessed: 21 Maret 2024]. [Online]. Available: <https://www.who.int/news-room/fact-sheets/detail/disability-and-health>
- [2] World Bank, “Disability inclusion overview,” 2023, [Accessed: 21 Maret 2024]. [Online]. Available: <https://www.worldbank.org/en/topic/disability>
- [3] Badan Pusat Statistik, “Hasil Long Form Sensus Penduduk 2020,” Badan Pusat Statistik Indonesia, Tech. Rep. No. 09/01/Th. XXVI, Januari 2023. [Online]. Available: <http://sp2010.bps.go.id/>
- [4] “Statistik Sekolah Luar Biasa (SLB) 2020/2021,” *Pusat Data dan Teknologi Informasi, Sekretariat Jenderal, Kementerian Pendidikan dan Kebudayaan*, pp. 1–165, 2021. [Online]. Available: http://repository.kemdikbud.go.id/22120/1/isi_3E73984D-07CD-40C7-9E81-3809CBC4081F_.pdf
- [5] Dinas Kependudukan dan Pencatatan Sipil, “Jumlah Penduduk Penyandang Disabilitas Berdasarkan Kategori Disabilitas di Jawa Barat,” 2023. [Online]. Available: <https://opendata.jabarprov.go.id/id/dataset/jumlah-penduduk-penyandang-disabilitas-berdasarkan-kategori-disabilitas-di-jawa-barat>
- [6] C. Anastasia, “5 Jenis Alat Bantu Dengar untuk Orang dengan Gangguan Pendengaran dan Tuli,” *Liputan6.com*, May 2023. [Online]. Available: <https://www.liputan6.com/disabilitas/read/5275443/5-jenis-alat-bantu-dengar-untuk-orang-dengan-gangguan-pendengaran-dan-tuli?page=4>
- [7] I. Qonita, “Gruwi, Inovasi kemensos bagi penyandang disabilitas Rungu Dan Wicara,” Jul 2023. [Online]. Available: <https://kemensos.go.id/gruwi-inovasi-kemensos-bagi-penyandang-disabilitas-rungu-dan-wicara>
- [8] J. Wu, L. Sun, and R. Jafari, “A wearable system for recognizing american sign language in real-time using imu and surface emg sensors,” *IEEE Journal of Biomedical and Health Informatics*, vol. 20, no. 5, pp. 1281–1290, 2016.
- [9] C. Savur and F. Sahin, “Real-time american sign language recognition system using surface emg signal,” in *2015 IEEE 14th International Conference on Machine Learning and Applications (ICMLA)*, 2015, pp. 497–502.
- [10] A. Anwar, A. Basuki, R. Sigit, P. Elektronika, and N. Surabaya, “Hand Gesture Recognition for Indonesian Sign Language Interpreter System With Myo Armband Using Support Vector Machine,” vol. 07, no. 02, pp. 164–175, 2020.
- [11] R. Gupta and A. S. Bhatnagar, “Multi-stage indian sign language classification with sensor modality assessment,” in *2021 7th International Conference on Advanced Computing and Communication Systems (ICACCS)*, vol. 1, 2021, pp. 18–22.

- [12] R. Saif, M. Ahmad, S. Z. H. Naqvi, S. Aziz, M. U. Khan, and M. Faraz, "Multi-channel emg signal analysis for italian sign language interpretation," in *2022 International Conference on Emerging Trends in Smart Technologies (ICETST)*, 2022, pp. 1–5.
- [13] L. E. Sánchez-Velasco, M. Arias-Montiel, E. Guzmán-Ramírez, and E. Lugo-González, "A Low-Cost EMG-Controlled Anthropomorphic Robotic Hand for Power and Precision Grasp," *Biocybernetics and Biomedical Engineering*, vol. 40, no. 1, pp. 221–237, 2020.
- [14] D. L. Espinoza and L. Eli Sanchez Velasco, "Comparison of EMG signal classification algorithms for the control of an upper limb prosthesis prototype," *2020 17th International Conference on Electrical Engineering, Computing Science and Automatic Control, CCE 2020*, pp. 13–16, 2020.
- [15] S. A. Khomami and S. Shamekhi, "Persian sign language recognition using IMU and surface EMG sensors," *Measurement: Journal of the International Measurement Confederation*, vol. 168, no. September 2020, 2021.
- [16] W. H. Organization, "Deafness and hearing loss," Feb 2024. [Online]. Available: <https://www.who.int/news-room/fact-sheets/detail/deafness-and-hearing-loss>
- [17] A. Sofyan, "Anak tuna rungu," Jun 2022. [Online]. Available: <https://slblenterahati.sch.id/read/5/anak-tuna-rungu#:~:text=Berdasarkan%20sifat%20terjadinya>
- [18] [Online]. Available: <https://pmpk.kemdikbud.go.id/sibi/>
- [19] Pusat Bahasa Isyarat Indonesia, "Sejarah perjalanan awal sejarah pusbisindo," n.d.
- [20] M. B. Raez, M. S. Hussain, and F. Mohd-Yasin, "Techniques of emg signal analysis: detection, processing, classification and applications," *Biological procedures online*, vol. 8, pp. 11–35, 2006.
- [21] University of Rochester Medical Center, "Electromyography (emg) test," <https://www.urmc.rochester.edu/encyclopedia/content.aspx?contenttypeid=92&contentid=p07656>, n.d.
- [22] R. Martinek, M. Ladrova, M. Sidikova, R. Jaros, K. Behbehani, R. Kahankova, and A. Kawala-Sterniuk, "Advanced bioelectrical signal processing methods: Past, present, and future approach—part iii: Other biosignals," *Sensors*, vol. 21, no. 18, p. 6064, 2021.
- [23] Encyclopedia, "Electromyography (emg)," <https://encyclopedia.pub/entry/7298>, n.d.
- [24] A. Albulbul, "Evaluating major electrode types for idle biological signal measurements for modern medical technology," *Bioengineering (Basel)*, vol. 3, no. 3, p. 20, Aug 2016. [Online]. Available: <https://www.mdpi.com/2306-5354/3/3/20>
- [25] L. Altimari, J. L. Dantas, M. Bigliassi, T. Kanthack, A. Moraes, and T. Abrao, "Influence of different strategies of treatment muscle contraction and relaxation phases on emg signal processing and analysis during cyclic exercise," 10 2012.

- [26] A. Technologies, “Muscle Sensor V3,” pp. 2–5, 2013. [Online]. Available: <http://dlnmh9ip6v2uc.cloudfront.net/datasheets/Sensors/Biometric/MuscleSensorv3UsersManual.pdf>
- [27] Surveillance, Epidemiology, and End Results Program, “Seer training modules: Muscular system,” <https://training.seer.cancer.gov/anatomy/muscular/>, n.d.
- [28] LibreTexts, “Smooth, skeletal, and cardiac muscles,” [https://bio.libretexts.org/Bookshelves/Introductory_and_General_Biology/Introductory_Biology_\(CK-12\)/13%3A_Human_Biology/13.15%3A_Smooth_Skeletal_and_Cardiac_Muscles](https://bio.libretexts.org/Bookshelves/Introductory_and_General_Biology/Introductory_Biology_(CK-12)/13%3A_Human_Biology/13.15%3A_Smooth_Skeletal_and_Cardiac_Muscles), n.d.
- [29] K. Abdelsalam, E. Massaad, and R. K. Elmallah, *StatPearls: Electromyography*. StatPearls Publishing, 2023.
- [30] B. Abdallah and E. Judd, *StatPearls: Physiology, Smooth Muscle*. StatPearls Publishing, 2023.
- [31] Visible Body, “Muscle movements,” <https://www.visiblebody.com/learn/muscular/muscle-movements>, n.d.
- [32] TeachMeAnatomy, “Anterior forearm muscles,” <https://teachmeanatomy.info/upper-limb/muscles/anterior-forearm/>, n.d.
- [33] —, “Posterior forearm muscles,” <https://teachmeanatomy.info/upper-limb/muscles/posterior-forearm/>, n.d.
- [34] E. Goljan, *StatPearls: Skeletal Muscle Contraction*. StatPearls Publishing, 2023.
- [35] F. Furizal, A. Ma’arif, and D. Rifaldi, “Application of machine learning in healthcare and medicine: A review,” *Journal of Robotics and Control (JRC)*, vol. 4, p. 2023, 09 2023.
- [36] GeeksforGeeks, “Metrics for machine learning model,” <https://www.geeksforgeeks.org/metrics-for-machine-learning-model/>.
- [37] J. Ma, Y. Ding, J. C. P. Cheng, Y. Tan, V. J. L. Gan, and J. Zhang, “Analyzing the leading causes of traffic fatalities using xgboost and grid-based analysis: A city management perspective,” *IEEE Access*, vol. 7, pp. 148 059–148 072, 2019.
- [38] Scikit-learn Contributors, “Scikit-learn: Support vector machines,” <https://scikit-learn.org/stable/modules/svm.html>, n.d.
- [39] A. Pajankar and A. Joshi, *Introduction to Machine Learning with Scikit-learn*, 2022.