

DAFTAR PUSTAKA

- [1] Y. Lee, "Design of Exoskeleton Robotic Hand / Arm System for Upper Limbs Rehabilitation Considering Mobility and Portability," *11th Int. Conf. Ubiquitous Robot. Ambient Intell. (URAI 2014)*, no. Urai, pp. 540–544, 2014.
- [2] K. K. B. P. dan P. Kesehatan, "Hasil Utama Riset Kesehatan Dasar," *Kementrian Kesehat. Republik Indones.*, pp. 1–100, 2018.
- [3] J. Peters, M. Mistry, F. Udwadia, R. Cory, J. Nakanishi, and S. Schaal, "A unifying methodology for the control of robotic systems," *2005 IEEE/RSJ Int. Conf. Intell. Robot. Syst. IROS*, no. 1, pp. 3522–3529, 2005.
- [4] N. Vitiello *et al.*, "NEUROExos: A powered elbow exoskeleton for physical rehabilitation," *IEEE Trans. Robot.*, vol. 29, no. 1, pp. 220–235, 2013.
- [5] B. Beigzadeh, M. Ilami, and S. Najafian, "Design and Development of One Degree of Freedom Upper Limb Exoskeleton," *Proc. 3rd RSI Int. Conf. Robot. Mechatronics Oct.*, pp. 223–228, 2015.
- [6] H. Seo and S. Lee, "Design and experiments of an upper-limb exoskeleton robot," *2017 14th Int. Conf. Ubiquitous Robot. Ambient Intell. URAI 2017*, pp. 807–808, 2017.
- [7] C. Ockenfeld, R. K. Y. Tong, E. A. Susanto, S. K. Ho, and X. L. Hu, "Fine finger motor skill training

- with exoskeleton robotic hand in chronic stroke: Stroke rehabilitation,” *IEEE Int. Conf. Rehabil. Robot.*, pp. 5–8, 2013.
- [8] G. Ma, M. Lin, and Q. Wang, “Mechanical design of a whole-arm exoskeleton rehabilitation robot based on PNF,” *2016 13th Int. Conf. Ubiquitous Robot. Ambient Intell. URAI 2016*, pp. 777–780, 2016.
- [9] P. D. . Zavaleanu M., Roşulescu E., Dănoiu S., “ROBOTIC APPLICATIONS IN MEDICAL REHABILITATION,” *Div. kinetotherapy, Univ. Craiova*, 2007.
- [10] T. Triwiyanto, O. Wahyunggoro, H. A. Nugroho, and H. Herianto, “Muscle fatigue compensation of the electromyography signal for elbow joint angle estimation using adaptive feature,” *Comput. Electr. Eng.*, vol. 71, no. July, pp. 284–293, 2018.
- [11] A. B. P. Kalpesh Tank, Shreenivas. K. Pai, Rahul Kamath, “Gripmitt,” *2017 Int. Conf. Nascent Technol. Eng. F. Gripmitt*, 2017.
- [12] N. Aktar, I. Jaharr, and B. Lala, “Voice Recognition based intelligent Wheelchair and GPS Tracking System,” *2nd Int. Conf. Electr. Comput. Commun. Eng. ECCE 2019*, pp. 7–9, 2019.
- [13] G. P. R, “Development of Electromyogram Based Rehabilitation Device for Upper Limb Amputation using Neural Network,” *2018 3rd International Conference on Communication and Electronics Systems (ICCES)*, no. Icces. IEEE, pp. 826–830, 2018.

- [14] G. C. Wan, F. Z. Zhou, C. Gao, and M. S. Tong, "Design of Joint Structure for Upper Limb Exoskeleton Robot System," *2017 Prog. Electromagn. Res. Symp. — Fall (PIERS — FALL)*, pp. 19–22, 2017.
- [15] Z. Raiyan, "Design of an Arduino Based Voice-Controlled Automated Wheelchair," *2017 IEEE Reg. 10 Humanit. Technol. Conf.*, pp. 21–23, 2017.
- [16] O. Faiz, D. Moffat, and O. Faiz, *Anatomy at a Glance*. .
- [17] T. Academy, R. Academy, and S. S. Trakt, *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*, vol. 73. 2013.
- [18] A. W. Dani, A. Adriansyah, and D. Hermawan, "PERANCANGAN APLIKASI VOICE COMMAND RECOGNITION BERBASIS ANDROID DAN ARDUINO UNO Akhmad Wahyu Dani , Andi Adriansyah , Dodi Hermawan," *J. Teknol. Elektro Univ. Mercu Buana*, vol. 7, no. 1, pp. 11–19, 2016.
- [19] E. Voice, R. Module, S. Port, G. I. Pins, and G. O. Pins, *Voice Recognition Module V3*. .
- [20] Gravitech, "Arduino nano ATmega 328," *Arduino nano ATmega 328*, vol. 168, pp. 5–21, 2008.
- [21] HIWIN, "Linear Actuator," 2011.
- [22] Z. O. Khokhar, Z. G. Xiao, and C. Menon, "Surface EMG pattern recognition for real-time control of a wrist exoskeleton," *Biomed. Eng.*

Online, vol. 9, pp. 1–17, 2010.

- [23] N. S. K. Ho *et al.*, “An EMG-driven exoskeleton hand robotic training device on chronic stroke subjects: Task training system for stroke rehabilitation,” *IEEE Int. Conf. Rehabil. Robot.*, 2011.
- [24] K. Nakagawa, M. Yamada, 中川賢一郎, and 山田雅章, “JP2006133706A.pdf,” 2004.
- [25] S. Guo, Z. Wang, J. Guo, Q. Fu, and N. Li, “Design of the speech control system for a upper limb rehabilitation robot based on wavelet denoising,” *Proc. 2018 IEEE Int. Conf. Mechatronics Autom. ICMA 2018*, pp. 2300–2305, 2018.