DAFTAR PUSTAKA

[1] C. C. Postelnicu, F. Girbacia and D. Talaba, "EOG Based Visual Navigation Interface Development," *Expert System with Applications,* no. 39, pp. 10857-10866, 2012.

[2] M. Begnum, "Improving Computer Interaction for People with Parkinson's Disease," in *The International Conference on Universal Technologies*, Oslo, 2010.

[3] N. Birbaumer, "Breaking the Silence : Brain Computer Interface (BCI) for Communication and Motor Control," in *Psychophysiology*, 2006, pp. 517-532.

[4] G. Arden and P. Constable, "Progress in Retinal and Eye Research," in *The electro-oculogram*, 2006, pp. 207-248.

[5] R. Barea, L. Bouquete, M. Mazo and E. Lopez, "Wheelchair Guidance Strategies Using EOG," *Journal of Intelligent and Robotic Systems,* no. 34, pp. 279-299, 2002.

[6] H. Qiyun, H. Shenghong, W. Qihong, G. Zhenghui, P. Nengneng, L. Kai, Z. Yuandong, S. Ming and L. Yuanqing, "An EOG-Based Human-Machine Interface for Wheelchair Control," *IEEE,* 2017.

[7] A. Anwar, S. Rubita, O. Camallil, Y. H. Koo and R. J. Muhammad, "Wheelchair Motion Control Guide Using Eye Gaze and Blinks Based on PointBug Algorithm," in *Third International Conference on Intelligent Systems Modelling and Simulation*, Malaysia, 2012.

[8] D. Cojocaru, A. Dragomir, M. L. F, A. M. Mariniuc and I. C. Vladu, "Using an Eye Gaze New Combined Approach to Control a Wheelchair Movement," in *23rd International Conference on System Theory, Control and Computing*, Craiova, Romania, 2019.

[9] L. Lledo, A. Ubeda, A. Ianez and J. Azorin, "Internet Browsing Application Based on Electrooculography for Disabled People," *Expert System Application,* no. 7, p. 2640–2648, 2013.

[10] R. A. Naga, S. Chandralingam, T. Anjaneyulu and K. Satyanarayana, "EOG Controlled Motorized Wheelchair for Disabled Persons," *International Journal of Medical, Health, Biomedical and Pharmaceutical Engineering ,* vol. 8, no. 5, pp. 292-295, 2014.

[11] Z. Ramtin, M. Pascal, O. Øyvind, V. Nicolas and S. Afshin, "Eye movement characteristics refected fatigue development in both young and elderly individuals," Scientific Reports, Aalborg, Denmak, 2018.

[12] M. Rusydi, O. T, M. Y, S. M and I. S, "Using EOG Signal to Control Manipulator," *Proceeding of the 7th Asia Pacific Symposium on Applied Electromagnetics and Mechanics, Ho Chi Minh City, Vietnam ,* 2012.

[13] L. R. Sullivan, "Technical Tips: Eye Movement Monitoring," *American Journal of EEG Technology,* vol. 2, no. 33, pp. 135-147, 1993.

[14] C. Kavitha and N. Nagappan, "Sensing and Processing of EOG Signals to Control Human Machine Interface System," *Journal Science Engineering Technology,* vol. 4, no. 5, p. 1330–1336, 2015.

[15] Webster, John G, Medical Instrumentation: Application and Design, 4th Edition, New York: John Wiley & Son Inc., 1995.

[16] W. J. Tompkins and J. G. Webster, Design of microcomputer-based medical instrumentation, New Jersey: Prentice Hall Inc, 1981.

[17] J. D. Bronzino, Bioengineering : Biomedical, Medical and Clinical Engineering, New Jersey: Prentice-Hall, 1981.

[18] Z. Arifin, "Biopotensial Elektroda di Bidang Medis," *Majalah Kedokteran Nusantara ,* vol. 38, pp. 195-198, 2005.

[19] M. I. Rusydi, T. Okamoto, S. Ito and M. Sasaki, "Rotation Matrix to Operate a Robot Manipulator for 2D Analog Tracking Objects Using Electrooculography," *Robotics,* vol. 3, pp. 289-309, 2014.

[20] V. Brahmaiah, Y. Sai and M. Prasad, "Data Acquisition System Of Electrooculogram," *IEEE 7th International Advance Computing Conference,* pp. 716-721, 2017.

[21] I. Muchlis, R. Maulana and H. Fitriyah, "Implementasi Pengenalan Pergerakan Bola Mata Menggunakan Elektroda Dengan Exponential Filter," *Jurnal Pengembangan Teknologi Informasi dan Ilmu Komputer,* vol. 2, no. 9, pp. 3093-3102, 2018.

[22] D. Harres, Basic Electronics, USA: Newnes, 2013.

[23] M. Sasaki, S. Ito and M. I. Rusydi, "Affine Transform to Reform Pixel Coordinates of EOG Signals for Controlling Robot Manipulators Using Gaze Motions," *Sensors,* vol. 14, no. 6, pp. 10107-10123, 2014.

[24] M. S. Amri, M. Sasaki, K. Matsushita and W. Njeri, "24-Gaze Point Calibration Method for Improving the Precision of AC-EOG Gaze Estimation," *sensors,* no. 3650, 2019.

[25] ALLDATASHEET.COM, "AD620 Datasheet(PDF) - Analog Devices," 2018. [Online]. Available: http://www.alldatasheet.com/datasheet-pdf/pdf/48090/AD/AD620.html. [Accessed 31 May 2019].

[26] FCI Semiconductor, "ALLDATASHEET," [Online]. Available: https://pdf1.alldatasheet.com/datasheet-pdf/view/210028/FCI/LM324.html. [Accessed 11 Juli 2020].

[27] D. Kho, "Pengertian Band Pass Filter (BPF) atau Tapis Lolos Antara," [Online]. Available: https://teknikelektronika.com/pengertian-high-pass-filter-hpf-tapis-lolos-atas/. [Accessed 11 Juli 2020].

[28] Testing Indonesia, "Penjelasan Cara Kerja Data Akuisisi," 05 Juli 2017. [Online]. Available: https://testingindonesia.com/penjelasan-dan-cara-kerja-data-akuisisi-67. [Accessed 12 Juli 2020].

[29] N. Instruments, "ni.com," National Instruments, [Online]. Available: https://www.ni.com/en-id/support/model.usb-6008.html. [Accessed 16 Oktober 2021].

[30] M. Sasaki, "Robot Control System Based on Electrooculography and Electromyogram," *Journal of Computer and Communications,* vol. 3, no. 11, pp. 113-120, 2015.

[31] M. Rusydi, M. Sasaki, S. Ito, K. Takeda and T. Okamoto, "Developing a twolink robot arm controller using voluntary blink," *Journal of the Japan Society of Applied Electromagnetics and Mechanics,* vol. 4, no. 22, p. 475–481, 2014.

[32] G. M. Mihai D, Using Eye Blinking for EOG-Based Robot Control. Transylvania University of Brasov, Product Design and Robotics Department, Bulevardul Eroilor, nr, 29, Brasov, Romania. 2016.

[33] M. Rusydi, M. Bahri, R. Ryaldi, F. Akbar, K. Matsuhita and M. Sasaki, "Recognition of Horizontal Gaze Motion Based on Electrooculography using Tsugeno Fuzzy Logic," *Conference on Innovation in Technology and Engineering Science (CITES). Engineering Faculty Andalas University,* 2018.

[34] S. R and Mustari, "Rancang Bangun Kursi Roda Elektrik untuk Kondisi Naik Turun Tanjakan," *Journal Mekanikal,* vol. 2, p. 149, 2011.

[35] P. Farastya, "www.medicalogy.com," [Online]. Available: https://www.medicalogy.com/blog/7-ragam-kursi-roda-unik-dan-bermanfaat-untuk-segala-kondisi/. [Accessed 14 September 2021].

[36] Krisnan, "Meenta.net," 12 Juni 2019. [Online]. Available: https://meenta.net/kursi-roda-elektrik-dan-manual/. [Accessed 14 September 2021].

[37] Setiawanar, "Pemograman yang diproduksi oleh National," p. 5–31.

[38] B. Cahyono, "Penggunaan Software Matrix Laboratory (MATLAB) dalam Pembelajaran Aljabar Linier," *Phenomenon,* vol. 1, no. 1, pp. 45-62, 2013.

[39] G. Asadollahfardi, "Artificial Neural Network," 2015, pp. 77-91.

[40] Admin, "Sekolahan.co.id," 15 Juni 2020. [Online]. Available: https://www.sekolahan.co.id/fungsi-sel-saraf/. [Accessed 17 Agustus 2021].

[41] A. Sudarsono, Jaringan Syaraf Tiruan Untuk Memprediksi Laju Pertumbuhan Penduduk Menggunakan Metode Backpropagation (Studi Kasus Di Kota Bengkulu), Bengkulu: Universitas Dehasen, 2016.

[42] A. P. Windarto and dkk., Jaringan Saraf Tiruan: Algoritma Prediksi dan Implementasi, Medan: Yayasan Kita Menulis, 2020.

[43] A. Yunus, "Analisa Perbandingan Kinerja Metode Klasifikasi Jaringan Saraf Tiruan, Naïve Bayes, dan Support Vector Machine untuk Mengenali Kedipan Mata Berdasarkan Sinyal EOG," Universitas Andalas, Padang, 2020.

[44] M. Bahri, "ANFIS (Adaptive Neuro-Fuzzy Inference System) SEBAGAI METODE," Universitas Andalas, Padang, 2020.

[45] I. Aryeni, "HUMAN MACHINE INTERFACE BERBASIS ELECTROOCULOGRAPHY UNTUK KONTROL ALTERNATIF KURSI RODA MENGGUNAKAN BACK PROPAGATION NEURAL NETWORK," Universitas Andalas, Padang, 2020.

[46] A. U. Baiqi, "Kendali Prototipe Kursi Roda Menggunakan Sensor Electrooculography (EOG) dengan Metode Support Machine," Universitas Andalas, Padang, 2018.

[47] F. Haugen, "A quick guide to National Instruments USB-6008," TechTeach, 8 Desember 2005. [Online]. Available: http://techteach.no/tekdok/usb6008/. [Accessed 12 Juli 2020].