

DAFTAR PUSTAKA

- [1] U.-U. N. 1. 2011, Tentang Pengesahan Hak-Hak Penyandang Disabilitas..
- [2] I. M. L. Batan, "Pengembangan Kursi Roda Sebagai Upaya Peningkatan Ruang Gerak Penderita Cacat Kaki," Jurusan Teknik Mesin, ITS, Surabaya, 2006.
- [3] H. Hu, L. Wei, T. Lu and K. Yuan, "Evaluating The Performance of Face Movement Based Wheelchair Control Interface in An Indoor Movement," *Proceedings of the IEEE International Conference On Robotics and Biomimetics*, no. Tianjin, China, pp. 387-392, Dec 2010.
- [4] A. Fattouh, M. Sahnoun and G. Bourhis, "The Vahm Robotized Wheelchair : System Architecture and Human Machine Interaction," *Journal of Intelligent Robotic Systems*, vol. 22, pp. 39-50, 1998.
- [5] D. S. Suryawanshi, S. J. Chitode and S. S. Pethkar, "Voice Operated Wheelchair," *International Journal of Advanced Research in Computer Science Science and Software Engineering*, vol. 3 No 5, pp. 487-490, May 2013.
- [6] E. J. Rechy-Ramirez, H. Hu and K. McDonald-Maier, "Head Movements Based Control Of n Intelligent Wheelchair in An Indoor Environment," *IEEE International Conference on Robotics Bioinfomatics*, pp. 1463-1469, Dec 2012.
- [7] Y. Matsumoto, T. Ino and T. Ogasawara, "Development of Intelligent Wheelchair System with Face and Gaze Based Interface," in *Proceedings 10th IEEE International Workshop on Robot and Human Interactive Communication*, Roman, 2001.
- [8] A. S and G. N. Renjitha, "Voice Controller Wheelchair Using Arduino," IARJSET , India, 2016.
- [9] S. B. R. D and A. T, "Gesture Controlled Wheelchair," in *IJSETR 4.8*, India, 2015.
- [10] M. I. Rusydi, M. Sasaki, K. Matsushita , S. Ito and dkk, "Robot Control System Based on Electrooculography and Electromyogram," *Journal of Computer and Communications*, vol. 3, no. 11, p. 113, 2015.

- [11] M. I. Rusydi, M. Sasaki and S. Ito, "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.
- [12] R. S. Ryaldi, "Hybrid Fuzzy Electrooculography dan Electromyography Sebagai Metode Kendali Alternatif Prototype Kursi Roda Bagi Penyandang Disabilitas Anggota Gerak Tubuh," Universitas Andalas, Padang, 2017.
- [13] F. Akbar, "Pengendalian Robot Lengan Menggunakan Hybrid Biosignal dan Gerakan Leher," Universitas Andalas, Padang, 2017.
- [14] "Electric Wheelchairs," The Advantages and Disadvantages-Wheelchairs Electric-Powered, 2017. [Online]. Available: Wheelchairsscooters.com. [Accessed 25 Januari 2018].
- [15] M. I. Rusydi, T. Okamoto, Y. Mori, M. Sasaki and S. Ito, "Using EOG Signal to Control Manipulator," in *Proceeding of the 7th Asia Pacific Symposium on Applied Electromagnetics and Mechanics*, Ho Chi Minh City, Vietnam July 2012, 2012.
- [16] S. M. P. B, S. M. B and U. R. K, "Preparation of Papers a CostEffective Prototype for Electrooculogram for Effective Eye Tracking," *International Journal of Innovation, Management and Technology*, vol. 4 , no. No 5, 2013.
- [17] G. H. Tomlison, *Electrical Networks and Filters Teory and Design*, Europe: Prentice Hall, 1991.
- [18] F. C. Robert and F. D. Frederick, *Operational Amplifiers and Linear Integrated Circuits*, Prentice Hall, 1992.
- [19] Kendall, *Rangkaian Elektronika*, Jakarta: PT Elex Media Komputindo, 1998.
- [20] Darwison, *Teori Simulasi dan Aplikasi Elektronika Jilid 2*, Padang: CV. Ferila, 2012.
- [21] A. Q. Mubdi, "Rancang Bangun Kendali Prototipe Kursi Roda Listrik Menggunakan Sistem Elektromiograf.," Universitas Telkom, 2014.
- [22] "Elektroda EKG," 2016. [Online]. Available: <http://indonesian.alibaba.com/g/ecg-electrodes-sensor.html>. [Accessed 2017 Januari 26].
- [23] P. D, "Simulasi dan Analisis Rancang Bangun Elektrokardiograf (EKG) serta Aplikasinya Dalam Monitoring Detak Jantung," UIN Bandung, Bandung, 2014.

- [24] AD620, "AD620 Datasheet and Product Info," 2011. [Online]. Available: <http://www.analog.com/en/products/amplifiers/instrumentation-amplifiers/ad620.html#product-overview>. [Accessed 26 Juli 2018].
- [25] Londen, "Pengembangan Kursi Roda Sebagai Upaya Peningkatan Ruang Gerak Penderita Cacat Kaki," Institut Teknologi Surabaya, Surabaya, 2006.
- [26] Y. K. H. Liem and Tasripan, "Rancang Bangun Kursi Roda Elektrik Menggunakan Perintah Suara Berbasis Aplikasi Android," *Jurnal Teknik POMITS*, vol. 1, no. 1, pp. 1-6, 2012.
- [27] N. Name, "Kursi Roda dan Jenis-jenisnya," [Online]. Available: <http://www.kursiroda.net/> [Accessed 25 Januari 2018].
- [28] T. Nama, "Kursi Roda Elektrik," Tanpa Tahun. [Online]. Available: <http://www.alatkesehatan.id/kategori-produk/aneka-alat-bantu-jalan/kursi-roda/beli-kursi-roda-elektrik>. [Accessed Januari 23 2018].
- [29] M. Syahwill, *Panduan Mudah Simulasi dan Praktik Mikrokontroler Arduino*, Yogyakarta: Penerbit Andi, 2013.
- [30] Arduino, "Arduino UNO," 2016. [Online]. Available: <http://www.arduino.cc/forum>. <http://www.arduino.cc/en/main/arduinoBoardUno>. [Accessed 27 Januari 2018].
- [31] B. Santosa, *Data Mining Teknik Pemanfaatan Data untuk Keperluan Bisnis.*, Yogyakarta: Graha Ilmu, 2007.
- [32] N. Christiani, *Support Vector and Kernel Machines*, ICML Tutorial, 2001.
- [33] N. Christianini and S. T. John, "An Introduction to Support Vector Machines and Other Kernel Based Learning Methods," Cambridge University Press, 2000.
- [34] K. Sembiring, "Tutorial SVM," ITB, Bandung, 2007.
- [35] V. Vapnik and C. Cortes, *Support Vector Networks*. Machine Learning, 1995, pp. 273-297.
- [36] F. A. Novianti and S. W. Purnami, "Analisis Diagnosis Pasien Kanker Payudara Menggunakan Regresi Logistik dan Support Vector Machine (SVM) Berdasarkan Hasil Mamografi," *Jurnal Sains dan Seni ITS*, vol. 1, no. 1, 2012.



- [37] F. Rachman and S. W. Purnami, "Klasifikasi Tingkat Keganasan Breast Cancer dengan Menggunakan Regresi Logistik Ordinal dan Support Vector Machine (SVM)," *Jurnal Sains dan Seni ITS*, vol. 1, p. 1, 2012.
- [38] E. Prasetyo, *Data Mining Konsep dan Aplikasi Menggunakan MATLAB*, Yogyakarta: Andi, 2012.
- [39] B. L., C. C., S. D. J., D. H., G. I., J. L., L. Y., A. M. U., S. E., S. P. and V. V., "Comparison of Classifier Methods : a Case Study in Handwriting digit recognition," *Inter*, pp. 77-87, 1994.
- [40] C. W. Hsu and J. L. Chih, "A Comparison of Methods for Multiclass Support Vector Machines," *IEEE Transactions on Neural Networks*, vol. 13, no. 2, pp. 415-425, 2002.
- [41] C.-W. Hsu and et al., "A Practical Guide to Support Vector Machines.," *IEEE Transactions on Neural Networks*, vol. 13(2), pp. 415-425, 2002.
- [42] S. R. Gunn, "Support Vector Machines for Classification and Regression.," University of Southampton, Southampton, 1998.

