DAFTAR PUSTAKA

[1] R. Sudarno and S. D. Utomo, “Inovasi Pendataan Disabilitas,” 2018, p. 125.

[2] G. Pires and U. Nunes, “A wheelchair steered through voice commands and assisted by a reactive fuzzy-logic controller,” *J. Intell. Robot. Syst. Theory Appl.*, vol. 34, no. 3, pp. 301–314, 2002, doi: 10.1023/A:1016363605613.

[3] M. F. Ruzaij, S. Neubert, N. Stoll, and K. Thurow, “Multi-Sensor Robotic-Wheelchair Controller for Handicap and Quadriplegia Patients Using Embedded Technologies,” pp. 103–109, 2016.

[4] M. F. R. Al-Okby, S. Neubert, N. Stoll, and K. Thurow, “Complementary functions for intelligent wheelchair head tilts controller,” *SISY 2017 - IEEE 15th Int. Symp. Intell. Syst. Informatics, Proc.*, pp. 117–122, 2017, doi: 10.1109/SISY.2017.8080536.

[5] R. A. Kalantri and D. K. Chitre, “Automatic

Wheelchair using Gesture Recognition," no. 6, pp. 146–150, 2013.

[6] A. Tayab Noman, M. S. Khan, M. Emdadul Islam, and H. Rashid, "A New Design Approach for Gesture Controlled Smart Wheelchair Utilizing Microcontroller," *2018 Int. Conf. Innov. Sci. Eng. Technol.*, no. October, pp. 64–68, 2019, doi: 10.1109/iciset.2018.8745607.

[7] Z. Raiyan, M. S. Nawaz, A. K. M. A. Adnan, and M. H. Imam, "Design of an arduino based voice-controlled automated wheelchair," *5th IEEE Reg. 10 Humanit. Technol. Conf. 2017, R10-HTC 2017*, vol. 2018-Janua, pp. 267–270, 2018, doi: 10.1109/R10-HTC.2017.8288954.

[8] J. Kilby, K. Prasad, and G. Mawston, "Multi-channel surface electromyography electrodes: A review," *IEEE Sens. J.*, vol. 16, no. 14, pp. 5510–5519, 2016, doi: 10.1109/JSEN.2016.2569072.

[9] L. Sathishbalaji and R. Bhakkyalakshmi, "Electric Wheelchair Controlled by EMG Signals with

Obstacle Detection," *J. Innov. Res. Solut.*, vol. 2, no. 2, pp. 1409–1412, 2014.

[10] P. Studi *et al.*, "Aplikasi Sensor Ultrasonik Untuk Deteksi Posisi Jarak Pada Ruang Menggunakan Arduino Uno Aplikasi Sensor Ultrasonik Untuk Deteksi Posisi Jarak Pada Ruang Menggunakan Arduino Uno Bakhtiyar Arasada Bambang Suprianto," pp. 1–8.

[11] S. Siaga, "KALIBRASI SENSOR ULTRASONIK HC-SR04 SEBAGAI SENSOR PENDETEKSI JARAK PADA PROTOTIPE SISTEM PERINGATAN DINI BENCANA BANJIR SNF2016-43 SNF2016-44," vol. V, pp. 43–46, 2016.

[12] T. Julian and K. Triyana, "Pengujian Akuisisi Data sENSOR Ultrasonik HC-SR04 dengan Mikrokontroler Atmega 8535 (Testing Data Acquisition of Ultrasonic Sensor HC-SR04 using Atmega 8535 Microcontroller)," vol. 8535, pp. 35–40.

[13] G. Liu, “Fuzzy Controller for Obstacle Avoidance In Electric Wheelchair With Ultrasonic Sensors,” 2011, doi: 10.1109/ISCCS.2011.27.

[14] H. Murakami and H. Seki, “Fuzzy Algorithm Based Obstacle Avoidance Control of Electric Powered Wheelchair using Ultrasonic Sensor,” pp. 4251–4256, 2009.

[15] D. Aji, “SIMULASI PEMROGRAMAN SISTEM PENGENDALI KECEPATAN PADA RANCANG BANGUN MOBIL REMOTE KONTROL MENGGUNAKAN PWM BERBASIS SENSOR ULTRASONIK HC-SR04 DAN MIKROKONTROLER ARDUINO,” 2017.

[16] E. Yulianto and T. B. Indrato, “The Design of Electrical Wheelchairs with Electromyography Signal Controller for People with Paralysis,” *Electr. Electron. Eng.*, vol. 8, no. 1, pp. 1–9, 2018, doi: 10.5923/j.eee.20180801.01.

[17] Gangahyeon, “Electric wheelchair with resting place sharing system and rear sensor using sensor

and wireless communication," vol. 1740987, no. 19, pp. 1–14, 2017.

[18] K. K. Kim, "Smart electric wheelchair," vol. 1740987, no. 19, pp. 1–14, 2017.

[19] M. Masmoudi, I. Klabi, and M. S. Masmoudi, "Advanced user interfaces for intelligent wheelchair system," *2014 1st Int. Conf. Adv. Technol. Signal Image Process. ATSIP 2014*, pp. 130–136, 2014, doi: 10.1109/ATSIP.2014.6834592.

[20] D. A. Sanders, "Using Self-Reliance Factors to Decide How to Share Control between Human Powered Wheelchair Drivers and Ultrasonic Sensors," *IEEE Trans. Neural Syst. Rehabil. Eng.*, vol. 25, no. 8, pp. 1221–1229, 2017, doi: 10.1109/TNSRE.2016.2620988.

[21] T. Debnath, A. Z. Abadin, and M. A. Hossain, "PWM Based Android Controlled Wheel Chair," *Int. J. Comput. Sci. Inf. Technol.*, vol. 10, no. 2, pp. 57–64, 2018, doi: 10.5121/ijcsit.2018.10205.

[22] A. Zubair and F. A. Samman, “Pembangkit Gelombang Ultrasonik Dengan Frekuensi 40 kHz dan Daya 200 Watt Berbasis Mikrokontroler,” pp. 83–86, 2015.

[23] Andalan, “Sensor ultrasonik.” pp. 2–3, 2011.

[24] G. Electronic, “User Manual – HC-SR04 Ultrasonic Module GIE HC-SR04 Ultrasonic Module User Manual User Manual – HC-SR04 Ultrasonic Module,” pp. 1–4, 2015, [Online]. Available: www.gie.com.my.

[25] Cytron Technologies, “Hcsr04,” pp. 1–10, 2013, [Online]. Available: http://raspoid.com/download/datasheet/HCSR04%0A2019-05-24.

[26] B. Triwahyu, E. Yulianto, and T. Indrato, “Kursi Roda Dengan Kontrol Sinyal EMG Berbasis Wireless Dilengkapi Sensor Pengaman Benturan (Parameter EMG),” *Poltekes Kemenkkes Surabaya*, pp. 1–8, 2017.

[27] M. I. Fitrianda, *Perancangan Kecepatan Pisau*

Potong Ikan Sardin Berbasis PID. 2016.

[28] F. Addinul Haq, "MENGATUR KECEPATAN MOTOR DC SPINDLE BERBASIS PWM (Pulse Width Modulation) pada MESIN CNC PORTABLE," 2017.

[29] Sharp, "Pc817," *Current*, pp. 0–3, 2003, [Online]. Available: https://pdf1.alldatasheet.com/datasheet-pdf/view/43371/SHARP/PC817.html.

[30] I. Candi and B. Sakti, "DESAIN DAN IMPLEMENTASI AUTOMATIC TRANSFER SWITCH SEBAGAI BACKUP POWER," 2017.