DAFTAR PUSTAKA

[1]   H. ElKheshen, I. Deni, A. Baalbaky, M. Dib, L. Hamawy, and M. A. Ali, "Semi-Automated Self-Monitore - Syringe Infusion Pump," 2018, doi: 10.1109/COMAPP.2018.8460462.

[2]   R. A. Snijder, M. K. Konings, P. Lucas, T. C. Egberts, and A. D. Timmerman, "Flow variability and its physical causes in infusion technology: A systematic review of in vitro measurement and modeling studies," *Biomed. Tech.*, vol. 60, no. 4, pp. 277–300, 2015, doi: 10.1515/bmt-2014-0148.

[3]   A. I. N. Wulan, "Analisis kestabilan laju aliran berbasis pid pada pompa suntik yang dilengkapi dengan bolus," 2023, [Online]. Available: http://repo.poltekkesdepkes-sby.ac.id/7754/

[4]   D. P. Purnomo, Mahmud, and Y. Uyun, "Patient Controlled Analgesia (PCA) Post Operation," *J. Komplikasi Anestesi*, vol. 2, no. 2, pp. 95–111, 2023, doi: 10.22146/jka.v2i2.7201.

[5]   F. R. Halim, Suwandi, and A. Suhendi, "Rancang Bangun Syringe Pump menggunakan Motor Stepper Berbasis Arduino," *e-Proceeding Eng.*, vol. 3, no. 2, pp. 2078–2085, 2016.

[6]   P. A. Rosyady, A. S. S. Sukarjiana, N. U. Habibah, N. Ihsana, A. R. C. Baswara, and W. R. Dinata, "Monitoring Cairan Infus Menggunakan Load Cell Berbasis Internet of Things (IoT)," *Techné J. Ilm. Elektrotek.*, vol. 22, no. 1, pp. 97–110, 2023, doi: 10.31358/techne.v22i1.345. [7]   F. Marwita and B. Y. Wibisono, "Rancang Bangun Alat Pompa Syringe Berbasis Mikrokontroller Atmega 8535 4," *Sinusoida*, vol. 24, no. 2, pp. 9–17, 2022, doi: 10.37277/s.v24i2.1463.

[7]   T. Z. Siregar, S. Harahap, K. N. Lumbantobing, and R. C. Nainggolan, "Analisa Rangkaian Pendeteksi Putaran Motor Pada Alat Syringe Pump Merkterumo Type Te-331 3," *J. Darma Agung*, vol. 28, no. 3, pp. 561–566, 2020.

[8]   O. Fauzan, "POMPA SUNTIK MENGGUNAKAN SISTEM PCA + TERUS BERBASIS MIKROKONTROLER ATMEGA8535," *Anal. Biochem.*, vol. 11, no. 1, pp. 1–5, 2018, [Online]. Available: http://link.springer.com/10.1007/978-3-319-59379-1%0Ahttp://dx.doi.org/10.1016/B978-0-12-420070-8.00002-7%0Ahttp://dx.doi.org/10.1016/j.ab.2015.03.024%0Ahttps://doi.org/10.1080/07352689.2018.1441103%0Ahttp://www.chile.bmw-motorrad.cl/sync/showroom/lam/es/

[9]   M. R. A. Nurkholis Putera and R. Hidayat, "Kendali Kecepatan Motor DC Menggunakan Pengendali PID dengan Encoder sebagai Feedback," *STRING (Satuan Tulisan Ris. dan Inov. Teknol.*, vol. 7, no.

1, p. 50, 2022, doi: 10.30998/string.v7i1.13026.

[10]   C. A. K. R. Koten, "PATIENT CONTROL ANALGESIA BERBASIS MIKROKONTROLER 2 MODE CONTINUOUS DAN PCA MODE," *Pap. Knowl. . Towar. a Media Hist. Doc.*, 2012.

[11]   P. Sulistyanto, "Syringe Pump otomatis berbasis mikrokontroler arduino uno," 2013, [Online]. Available: https://repository.usd.ac.id/view/creators/Sulistyan to=3APrayadi=3A=3A.html

[12]   P. P. Pambudi, "Simulasi Alat Shyringe Pump Berbasis Arduino Nano Atmega 328P." 2017.

[13]   M. A. IN'AM, "ELECTRICAL SYRINGE PUMP DENGAN DUA MODE UNTUK TINDAKAN PENGOBATAN ANALGESIK," pp. 1–23, 2016.

[14]   dr. fone A. H. Marsaban, "Analgesia Terkendali Pasien untuk Manajemen Nyeri." [Online]. Available: https://www.slideshare.net/slideshow/patient-controlled-analgesia-for-pain-management-dr-arif-hm-marsaban/54941417

[15]   N. Esp, A. Version, R. C. Car, M. Driver, and M. Driver, "Cara Menjalankan Tiap Fungis," vol. 3.

[16]   Handson Technology, "Motor Driver L298N,"

Handson Technol., pp. 1–7, 2021, [Online]. Available: www.handsontec.com

[17] E. A. Prastyo, "Driver Motor L298N," Arduino Indonesia. [Online]. Available: https://www.arduinoindonesia.id/2022/10/driver-motor-l298n.html#

[18] R. Rinaldy, R. F. Christianti, and D. Supriyadi, "Pengendalian Motor Servo Yang Terintegrasi Dengan Webcam Berbasis Internet Dan Arduino," *J. INFOTEL - Inform. Telekomun. Elektron.*, vol. 5, no. 2, p. 17, 2013, doi: 10.20895/infotel.v5i2.4.

[19] D. M. R. Savana, S. D. Panjaitan, and M. Saleh, "Perancangan Dan Implementasi Kendali Motor Servo Dan Stepper Pada Mesin Earloop Menggunakan Plc," *J. Electr. Eng. Energy, Inf. Technol.*, vol. 9, no. 2, 2021.

[20] M. S. Ummah, "ESP32," *Sustain.*, vol. 11, no. 1, pp. 1–14, 2019, [Online]. Available: http://scioteca.caf.com/bitstream/handle/123456789/1091/RED2017-Eng-8ene.pdf?sequence=12&isAllowed=y%0Ahttp://dx.doi.org/10.1016/j.regsciurbeco.2008.06.005%0Ahttps://www.researchgate.net/publication/305320484_sistem_pembetungan_terpusat_strategi_melestarI

[21] V. Pravalika and C. Rajendra Prasad, "Internet of things based home monitoring and device control

using Esp32," *Int. J. Recent Technol. Eng.*, vol. 8, no. 1 Special Issue 4, pp. 58–62, 2019.

[22] Y. A. Nugroho, *Penerapan Sensor Optocoupler Pada Alat Pengukur Kecepatan Angin Berbasis Mikrokontroler AVR ATmega8535 7*. 2011.

[23] A. Muhemin, "Perancangan Pengukur Laju Alir pada Sistem Penyaringan Limbah Cair," *Semin. Nas. Tek. Elektro*, vol. 6, pp. 266–271, 2021.

[24] A. C. Bento, "NodeMCU12e + Nextion Tft an Experimental Survey with Virtual Keyboard in IoT Projects," 2019, doi: 10.22161/ijeab/4.1.7.

[25] Reza Eka Alfarisi, "Sistem Monitoring Pendeteksi Kekeruhan Air Dan Ph Air Pada Aquarium," *Tek. Infromatika Dan Sist. Inf.*, pp. 5–14, 2020.

[26] R. Mardiati, F. Ashadi, and G. F. Sugihara, "Rancang Bangun Prototipe Sistem Peringatan Jarak Aman pada Kendaraan Roda Empat Berbasis Mikrokontroler ATMEGA32," *TELKA - Telekomun. Elektron. Komputasi dan Kontrol*, vol. 2, no. 1, pp. 53–61, 2016, doi: 10.15575/telka.v2n1.53-61.

[27] H. N. Ferdiansyah Zulkifli, "Pengertian IoT," *Internet Things Media Pembelajaran Prakt. Era 4.0*, pp. 22–27, 2022.

[28] R. T. Budiyanti, *Buku Ajar Internet of Things*. 2021.

[29] PID, "BAB II TINJAUAN PUSTAKA 2.1 Proporsional Integral Derivative (PID) Sistem kontrol PID (Proportional Integral Derivative controller)," pp. 5–25.

[30] P. Kapermana, "Pengontrol PID (Proporsional-Integral-Derivatif)." [Online]. Available: https://putraekapermana.wordpress.com/2013/11/21/pid/