DAFTAR PUSTAKA

[1]   M. B. Ulum and M. Tarigan, "Perancangan Sistem Monitoring Detak Jantung Bagi Penderita Kardiovaskular Berbasis Internet of Things," *J. Komputasi*, vol. 8, no. 1, pp. 15–20, 2020, doi: 10.23960/komputasi.v8i1.2419.

[2]   R. Mulyana and T. Afriani, "The Utililization Of Electrocardiograph (ECG) Monitoring System For Patient With Cardiovascular Disease Based On Community: A Literature Review," *J. Keperawatan Muhammadiyah*, vol. 3, no. 2, pp. 1–5, 2018, doi: 10.30651/jkm.v3i2.1720.

[3]   E. Palantei *et al.*, "A 2.5 GHz wireless ECG system for remotely monitoring heart pulses," *IEEE Antennas Propag. Soc. AP-S Int. Symp.*, pp. 2–3, 2012, doi: 10.1109/APS.2012.6349097.

[4]   M. G. Nicholls and A. M. Richards, "Disease monitoring of patients with chronic heart failure," *Heart*, vol. 93, no. 4, pp. 519–523, 2007, doi: 10.1136/hrt.2005.078519.

[5]   A. El Attaoui, S. Kaissari, A. Jilbab, and A. Bourouhou, "Wearable Wireless Sensors Node for Heart Activity Telemonitoring," *2020 Int. Conf. Electr. Inf. Technol. ICEIT 2020*, pp. 0–5, 2020, doi: 10.1109/ICEIT48248.2020.9113208.

[6]   G. Aditya Mahendra Oka and A. Pudji, "Design of Vital Sign Monitor with ECG, BPM, and Respiration Rate Parameters," *Indones. J. Electron. Electromed. Eng. Med. informatics*, vol. 3, no. 1, pp. 34–38, 2021, doi: 10.35882/ijeeemi.v3i1.6.

[7] A. E. Draghici and J. A. Taylor, "The physiological basis and measurement of heart rate variability in humans," *J. Physiol. Anthropol.*, vol. 35, no. 1, pp. 1–8, 2016, doi: 10.1186/s40101-016-0113-7.

[8] D. G. Kristiani, T. Triwiyanto, P. C. Nugraha, B. G. Irianto, Syaifudin, and D. Titisari, "The Measuring of Vital Signs Using Internet of Things Technology (Heart Rate and Respiration)," *Proc. - 2019 Int. Semin. Appl. Technol. Inf. Commun. Ind. 4.0 Retrosp. Prospect. Challenges, iSemantic 2019*, pp. 417–422, 2019, doi: 10.1109/ISEMANTIC.2019.8884312.

[9] A. C. Halbower, "Pediatric home apnea monitors: Coding, billing, and updated prescribing information for practice management," *Chest*, vol. 134, no. 2, pp. 425–429, 2008, doi: 10.1378/chest.08-0538.

[10] I. A. Riswandhani and P. C. Nugraha, "Bedside Monitor Based on Personal Computer Using STM32F7 Microcontroller," vol. 16, no. 2, pp. 58–65, 2023.

[11] Z. Yang, Q. Zhou, L. Lei, K. Zheng, and W. Xiang, "An IoT-cloud Based Wearable ECG Monitoring System for Smart Healthcare," *J. Med. Syst.*, vol. 40, no. 12, 2016, doi: 10.1007/s10916-016-0644-9.

[12] P. Kamble and A. Birajdar, "IoT Based Portable ECG Monitoring Device for Smart Healthcare," *5th Int. Conf. Sci. Technol. Eng. Math. ICONSTEM 2019*, vol. 2019, no. Icasert, pp. 471–474, 2019, doi: 10.1109/ICONSTEM.2019.8918776.

[13] and B. A. . Laila, A. Arifin, "INTERNET OF

MEDICAL THINGS (IoMT)-BASED HEART RATE AND BODY TEMPERATURE MONITORING SYSTEM," vol. 5, pp. 1–14, 2022.

[14] A. P. J. P. J. Santoso, S. Luthfiyah, T. B. Indrato, and M. Omoogun, "Vital Sign Monitor Device Equipped with a Telegram Notifications Based on Internet of Thing Platform," *Indones. J. Electron. Electromed. Eng. Med. informatics*, vol. 3, no. 3, pp. 108–113, 2021, doi: 10.35882/ijeeemi.v3i3.4.

[15] S. Luthfiyah, E. R. Ramadhani, T. B. Indrato, A. Wongjan, and K. O. Lawal, "Vital Signs Monitoring Device with BPM and SpO2 Notification Using Telegram Application Based on Thinger.io Platform," *Indones. J. Electron. Electromed. Eng. Med. Informatics*, vol. 4, no. 1, pp. 1–7, 2022, doi: 10.35882/ijeeemi.v4i1.1.

[16] D. Rushalina, I. D. G. H. Wisana, P. C. Nugraha, and N. Ragimova, "Analysis of Transmitted and Received ECG Signal Based on Internet of Thing Using Web Browser and Server-Client HTML Protocol," *J. Teknokes*, vol. 15, no. 4, pp. 216–222, 2022, doi: 10.35882/teknokes.v15i4.469.

[17] Nurdiansyah Wahyu Bima Putra, "ECG - Lead II Monitoring Via HTML Web Page," *J. Teknokes*, vol. 16, 2023.

[18] S. A. agus sukarno, Arief Marwanto, "Vital Sign Monitoring in ICU Patients Based on MEWS (Modified Early Warning Score) with IOT (Internet of Things)," *J. Telemat. Informatics*, vol. 7, no. 4, pp. 205–213, 2020.

[19] P. Kamble and A. Birajdar, "IoT Based Portable

ECG Monitoring Device for Smart Healthcare," *5th Int. Conf. Sci. Technol. Eng. Math. ICONSTEM 2019*, vol. 1, pp. 471–474, 2019, doi: 10.1109/ICONSTEM.2019.8918776.

[20] Admin, "The human heart," *Heart Research Institution*. https://www.hri.org.au/health/learn/your-body/the-human-heart (accessed Jun. 08, 2024).

[21] J. C, "Pengertian Jantung," no. September 2011, pp. 1–8, 2012.

[22] L. Irawati, "Aktifitas Listrik pada Otot Jantung," *J. Kesehat. Andalas*, vol. 4, no. 2, pp. 596–599, 2015, doi: 10.25077/jka.v4i2.306.

[23] A. Handayani, "Sistem Konduksi Jantung," *Bul. Farmatera*, vol. 2, no. 3, p. 116, 2017, doi: 10.30596/bf.v2i3.1197.

[24] E. L. Utari, "Analisa Deteksi Gelombang Qrs Untuk Menentukan Kelainan Fungsi Kerja Jantung," *Teknoin*, vol. 22, no. 1, pp. 27–37, 2016, doi: 10.20885/teknoin.vol22.iss1.art4.

[25] B. Tutuko *et al.*, "Short Single-Lead ECG Signal Delineation-Based Deep Learning: Implementation in Automatic Atrial Fibrillation Identification," *Sensors*, vol. 22, no. 6, 2022, doi: 10.3390/s22062329.

[26] M. Ramkumar, C. Ganesh Babu, A. Manjunathan, S. Udhayanan, M. Mathankumar, and R. Sarath Kumar, "A Graphical User Interface Based Heart Rate Monitoring Process and Detection of PQRST Peaks from ECG Signal," in *Inventive Computation*

and Information Technologies, S. Smys, V. E. Balas, K. A. Kamel, and P. Lafata, Eds. Singapore: Springer Nature Singapore, 2021, pp. 481–496. doi: 10.1007/978-981-33-4305-4_36.

[27] P. M. Vibhute and M. S. Deshpande, *Optical Character Recognition (OCR) of Marathi*, no. April. Springer Singapore, 2018. doi: 10.1007/978-981-13-1810-8.

[28] S. Mishra *et al.*, "ECG Paper Record Digitization and Diagnosis Using Deep Learning," *J. Med. Biol. Eng.*, vol. 41, no. 4, pp. 422–432, Aug. 2021, doi: 10.1007/s40846-021-00632-0.

[29] "Electrocardiograph (ECG _ EKG) – Sensors, Instrumentation & Electronics."

[30] S. Maddio, "The electrostatic foundation of the electrocardiogram," *URSI Radio Sci. Bull.*, vol. 2020, no. 373, pp. 78–82, Jun. 2020, doi: 10.23919/URSIRSB.2020.9318446.

[31] S. A. Medani, M. Hensey, N. Caples, and P. Owens, "Accuracy in precordial ECG lead placement: Improving performance through a peer-led educational intervention.," *J. Electrocardiol.*, vol. 51, no. 1, pp. 50–54, Jan. 2018, doi: 10.1016/j.jelectrocard.2017.04.018.

[32] T. Ads, T. Ads, and T. Ads, "ADS1293 Low-Power , 3-Channel , 24-Bit Analog Front-End for Biopotential Measurements," 2014.

[33] A. Vishwanatham, N. Ch., S. R. Abhishek, R. Chaitanya R., S. S. S. Sanagapati, and S. Mohanty, "Smart and Wearable ECG monitoring system as a

Point of Care (POC) device," in *2018 IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS)*, Dec. 2018, vol. 2018-Decem, pp. 1–4. doi: 10.1109/ANTS.2018.8710115.

[34] N. T. Bui *et al.*, "Real-Time Filtering and ECG Signal Processing Based on Dual-Core Digital Signal Controller System," *IEEE Sens. J.*, vol. 20, no. 12, pp. 6492–6503, Jun. 2020, doi: 10.1109/JSEN.2020.2975006.

[35] Sinau Programming, "MEGA+WiFi R3 ATmega2560+ESP8266, flash 32MB, USB-TTL CH340G, Micro-USB," 2020. https://www.sinauprogramming.com/2020/12/meg awifi-r3-atmega2560esp8266-flash.html

[36] S. Teknologi, "LCD TFT NEXTION-Kelas Robotik," 2018, [Online]. Available: https://sariteknologi.com/product/lcd-nextion/

[37] G. H. Prabowo, M. R. Mak'ruf, S. Sumber, L. Soetjiatie, and B. Utomo, "Perancangan Stetoskop Elektronik Portable," *J. Teknokes*, vol. 12, no. 1, pp. 39–44, 2019, doi: 10.35882/teknokes.v12i1.7.

[38] R. Wulandari, "Analisis QoS (Quality of Service) Pada Jaringan Internet," *J. Tek. Inform. dan Sist. Inf.*, vol. 2, no. 2, pp. 162–172, 2016.

[39] A. Sula, A. Michael, and J. Rusman, "Analisis Quality Of Service Pada Jaringan Internet Kampus 2 Universitas Kristen Indonesia Toraja," *Infinity*, vol. 1, no. 2, 2022, doi: 10.47178/infinity.v1i2.1517.