

DAFTAR PUSTAKA

- [1] Riset Kesehatan Dasar, “Laporan_Nasional_RKD2018_ FINAL.pdf,” *Badan Penelitian dan Pengembangan Kesehatan*. pp. 221–222, 2018.
- [2] Syarifatul Ainayah, D. H. Andayani, A. Pundji, and M. Shaib, “Development of Incubator Analyzer Based on Computer with Temperature And Humidity Parameters,” *J. Electron. Electromed. Eng. Med. Informatics*, vol. 2, no. 2, pp. 48–57, 2020, doi: 10.35882/jeeemi.v2i2.3.
- [3] A. A. Charisa, B. Utomo, and S. Syaifudin, “Incubator Analyzer Portabel Berbasis Pemrograman Visual Dilengkapi Penyimpanan ke Sd Card,” *J. Teknokes*, vol. 12, no. 2, pp. 29–35, 2019, doi: 10.35882/teknokes.v12i2.5.
- [4] D. Rahsidin and A. H. Hendrawan, “Sistem Monitoring Suhu dan Kelembaban Inkubator Bayi dengan Teknologi Whatsapp,” pp. 1–9, 2019.
- [5] M. S. Bambang GI, Dwi Herry, *Rancang Bangun Sentral Baby Inkubator Berbasis Telemedicine*, no. Oktober. 2021.
- [6] P. Kshirsgar, V. More, V. Hendre, P. Chippalkatti, and

- K. Paliwal, "IOT Based Baby Incubator for Clinic," *Lect. Notes Electr. Eng.*, vol. 570, no. January, pp. 349–355, 2020, doi: 10.1007/978-981-13-8715-9_42.
- [7] S. Efendi, N. Sriyanah, A. S. Cahyani, S. Hikma, and K. K, "Pentingnya Pemberian Asi Eksklusif Untuk Mencegah Stunting Pada Anak," *Idea Pengabd. Masy.*, vol. 1, no. 02, pp. 107–111, 2021, doi: 10.53690/ipm.v1i01.71.
- [8] j. E. H. Ali, E. Feki, Z. M.a, C. de prada, and A. Mami, "Incubator System Identification of Humidity an Temperature," *9Th Int. Renew. Energy Congr.*, pp. 5–10, 2018.
- [9] S. Sendra, P. Romero-Diaz, J. Navarro-Ortiz, and J. Lloret, "Smart Infant Incubator Based on LoRa Networks," *Proc. IEEE/ACS Int. Conf. Comput. Syst. Appl. AICCSA*, vol. 2018-Novem, 2019, doi: 10.1109/AICCSA.2018.8612863.
- [10] F. Kristya, S. Luthfiyah, I. D. G. Hari Wisana, and M. Thaseen, "Baby Incubator Monitoring Center for Temperature and Humidity using WiFi Network," *J. Electron. Electromed. Eng. Med. Informatics*, vol. 3, no. 1, pp. 8–13, 2021, doi: 10.35882/jeeemi.v3i1.2.
- [11] S. Y. Setiawan, D. H. Andayani, A. Pudji, L. Soetjatie, and A. B. Anugrah Kusuma, "Analysis Of Baby

- Incubator Humidity Based PID with Kangaroo Mode,” *J. Electron. Electromed. Eng. Med. Informatics*, vol. 4, no. 1, pp. 50–54, 2022, doi: 10.35882/jeeemi.v4i1.6.
- [12] M. Koli, P. Ladge, B. Prasad, R. Boria, and N. J. Balur, “Intelligent Baby Incubator,” *Proc. 2nd Int. Conf. Electron. Commun. Aerosp. Technol. ICECA 2018*, no. Iceca, pp. 1036–1042, 2018, doi: 10.1109/ICECA.2018.8474763.
- [13] B. Wahyudi, D. J. Adella, and M. U. Nuha ABA, “Analisis Data Berat Badan Dan Panjang Bayi Dengan Alat Ukur Panjang Dan Berat Badan Bayi Berbasis Arduino,” *Elektrika*, vol. 13, no. 2, p. 42, 2021, doi: 10.26623/elektrika.v13i2.3161.
- [14] R. Weber, S. Cabon, A. Simon, F. Poree, and G. Carrault, “Preterm Newborn Presence Detection in Incubator and Open Bed Using Deep Transfer Learning,” *IEEE J. Biomed. Heal. Informatics*, vol. 25, no. 5, pp. 1419–1428, 2021, doi: 10.1109/JBHI.2021.3062617.
- [15] C. R. Nugroho, “Alat Pengukur Saturasi Oksigen Dalam Darah Menggunakan Metode Ppg Reflectance Pada Sensor Max30100,” *Univ. Islam Negeri Syarif Hidayatullah*, p. 73, 2019.
- [16] B. Ashish, “Temperature monitored IoT based smart

- incubator,” *Proc. Int. Conf. IoT Soc. Mobile, Anal. Cloud, I-SMAC 2017*, pp. 497–501, 2017, doi: 10.1109/I-SMAC.2017.8058400.
- [17] M. Suruthi and S. Suma, “Microcontroller Based Baby Incubator Using Sensors,” pp. 12037–12044, 2015, doi: 10.15680/IJIRSET.2015.0412050.
- [18] M. Shaib, M. Rashid, L. Hamawy, M. Arnout, I. El Majzoub, and A. J. Zaylaa, “Advanced portable preterm baby incubator,” *Int. Conf. Adv. Biomed. Eng. ICABME*, vol. 2017-October, pp. 1–4, 2017, doi: 10.1109/ICABME.2017.8167522.
- [19] A. Latif, H. A. Widodo, R. A. Atmoko, T. N. Phong, and E. T. Helmy, “Temperature and humidity controlling system for baby incubator,” *J. Robot. Control*, vol. 2, no. 3, pp. 190–193, 2021, doi: 10.18196/jrc.2376.
- [20] T. Liu, “Datasheet Digital-output relative humidity & temperature sensor/module(DHT22),” *Aosong Electron. Co., Ltd*, vol. 22, pp. 1–10, 2013.
- [21] M. F. Huda, B. G. Irianto, and M. P. A. T. P, “A Simple Handheld Electrocardiogram Design,” vol. 3, no. 1, pp. 14–18, 2021.
- [22] I KOMANG YOGI MAHARDIKA, Bambang Guruh Irianto, Torib Hamzah, and S. Misra, “Central Monitor

- Based on Personal Computer Design with SpO₂ and Body Temperature Parameters Using Wireless Xbee Pro,” *J. Electron. Electromed. Eng. Med. Informatics*, vol. 3, no. 1, pp. 35–43, 2021, doi: 10.35882/jeeemi.v3i1.6.
- [23] X. Li *et al.*, “Self-Powered Humidity Sensor Based on Polypyrrole/Melamine Aerogel for Real-Time Humidity Monitoring,” *IEEE Sens. J.*, vol. 21, no. 3, pp. 2604–2609, 2021, doi: 10.1109/JSEN.2020.3027743.
- [24] L. Marwani, N. Demus, and R. Firman, “Penggunaan Sensor DHT11 Sebagai Indikator Suhu dan Kelembaban Pada Baby Incubator,” *J. Mutiara Elektromedik*, vol. 1, no. 1, pp. 40–45, 2017.
- [25] S. Kale and C. S. Khandelwal, “Design and implementation of real time embedded tele-health monitoring system,” *Proc. IEEE Int. Conf. Circuit, Power Comput. Technol. ICCPCT 2013*, vol. 4, no. 4, pp. 771–774, 2013, doi: 10.1109/ICCPCT.2013.6528842.
- [26] M. F. Wicaksono and M. D. Rahmatya, “Implementasi Arduino dan ESP32 CAM untuk Smart Home,” *J. Teknol. dan Inf.*, vol. 10, no. 1, pp. 40–51, 2020, doi: 10.34010/jati.v10i1.2836.
- [27] A. Lazaro, M. Boada, R. Villarino, and D. Girbau,

- “Battery-Less Smart Diaper Based on NFC Technology,” *IEEE Sens. J.*, vol. 19, no. 22, pp. 10848–10858, 2019, doi: 10.1109/JSEN.2019.2933289.
- [28] V. P. Tran and A. A. Al-Jumaily, “A Novel Oxygen-Hemoglobin Model for Non-Contact Sleep Monitoring of Oxygen Saturation,” *IEEE Sens. J.*, vol. 19, no. 24, pp. 12325–12332, 2019, doi: 10.1109/JSEN.2019.2940228.
- [29] Rangga Adi Firmansyah, Bambang Guruh I, and Sumber, “Monitoring Heart Rate And Temperature Based On The Internet Of Things,” *J. Electron. Electromed. Eng. Med. Informatics*, vol. 1, no. 2, pp. 1–7, 2019, doi: 10.35882/jeeemi.v1i2.1.
- [30] C. P. Oximeter and H. Sensor, “Pulse Oximeter and Heart-Rate Sensor IC for Wearable Health MAX30100 Pulse Oximeter and Heart-Rate Sensor IC for Wearable Health Absolute Maximum Ratings Supply Current in Shutdown,” pp. 1–29, 2014, [Online]. Available: <https://pdf1.alldatasheet.com/datasheet-pdf/view/879178/MAXIM/MAX30100.html>.
- [31] P. Megantoro, S. A. Aldhama, G. S. Prihandana, and P. Vigneshwaran, “IoT-based weather station with air quality measurement using ESP32 for environmental aerial condition study,” *Telkomnika*

- (*Telecommunication Comput. Electron. Control.*, vol. 19, no. 4, pp. 1316–1325, 2021, doi: 10.12928/TELKOMNIKA.v19i4.18990).
- [32] S. Purwiyanti, S. R. Sulistiyanti, F. A. Setyawan, B. M. Wibisono, K. S. Atmaja, and H. Fitriawan, “Multisensors System for Real Time Detection of Length, Weight, and Heartbeat of Premature Baby in the Incubator,” *Proc. 2018 Int. Conf. Electr. Eng. Comput. Sci. ICECOS 2018*, vol. 17, pp. 85–88, 2019, doi: 10.1109/ICECOS.2018.8605208.
- [33] M. Ali, M. Abdelwahab, S. Awadekreim, and S. Abdalla, “Development of a Monitoring and Control System of Infant Incubator,” *2018 Int. Conf. Comput. Control. Electr. Electron. Eng. ICCCEEE 2018*, no. Lcd, pp. 1–4, 2018, doi: 10.1109/ICCCEEE.2018.8515785.
- [34] Y. Niigaki, Y. Du, D. Sawada, and Y. Horita, “A study of the influence of video quality on apparent SpO₂,” *2018 Int. Work. Adv. Image Technol. IWAIT 2018*, no. c, pp. 1–3, 2018, doi: 10.1109/IWAIT.2018.8369746.
- [35] Y. Cheddadi, H. Cheddadi, F. Cheddadi, F. Errahimi, and N. Es-sbai, “Design and implementation of an intelligent low-cost IoT solution for energy monitoring of photovoltaic stations,” *SN Appl. Sci.*, vol. 2, no. 7, pp.

1–11, 2020, doi: 10.1007/s42452-020-2997-4.

- [36] G. T. Sen and M. Yuksekkaya, “Desing and Test of an Incubator Analyzer,” *ISMSIT 2018 - 2nd Int. Symp. Multidiscip. Stud. Innov. Technol. Proc.*, pp. 2–6, 2018, doi: 10.1109/ISMSIT.2018.8567049.
- [37] A. S. Utomo, E. H. P. Negoro, and M. Sofie, “Monitoring Heart Rate Dan Saturasi Oksigen Melalui Smartphone,” *Simetris J. Tek. Mesin, Elektro dan Ilmu Komput.*, vol. 10, no. 1, pp. 319–324, 2019, doi: 10.24176/simet.v10i1.3024.
- [38] J. Su *et al.*, “Real-time Fusion of ECG and SpO₂ Signals to Reduce False Alarms,” *Comput. Cardiol. (2010).*, vol. 2018-Septe, pp. 1–4, 2018, doi: 10.22489/CinC.2018.163.
- [39] D. K. Rathore, A. Upmanyu, and D. Lulla, “Wireless patient health monitoring system,” *2013 Int. Conf. Signal Process. Commun. ICSC 2013*, vol. 62, no. 6, pp. 415–418, 2013, doi: 10.1109/ICSPCom.2013.6719824.
- [40] F. Lopez, F. J. Torres, V. A. Ramirez, D. A. Nunez, R. Corona, and A. R. Lopez, “Raspberry pi for implementation of web technology in an automation process,” *2019 IEEE Int. Autumn Meet. Power, Electron. Comput. ROPEC 2019*, no. Ropec, pp. 2–7, 2019, doi: 10.1109/ROPEC48299.2019.9057040.

- [41] Y. Li, J. Cheng, and X. Wang, “An Optophone Based on Raspberry Pi and Android Wireless Communication,” *Proc. 2020 IEEE Int. Conf. Adv. Electr. Eng. Comput. Appl. AEECA 2020*, pp. 952–956, 2020, doi: 10.1109/AEECA49918.2020.9213587.