

DAFTAR PUSTAKA

- [1] S. S. Utami, “A Safer Healthcare Protocol during Covid-19 Pandemic Using a low-cost real-time patient’s health monitoring system ‘CovWatch’”.
- [2] S. S. Putra, S. S. Utami, W. Setyonugroho, and R. J. Yanti, “Development of a Data Acquisition System (DAQ) of a low-cost health monitoring system for Covid19 Suspects”.
- [3] F. de Arriba-Pérez, M. Caeiro-Rodríguez, and J. M. Santos-Gago, “How do you sleep? Using off the shelf wrist wearables to estimate sleep quality, sleepiness level, chronotype and sleep regularity indicators,” *J Ambient Intell Human Comput*, vol. 9, no. 4, pp. 897–917, Aug. 2018, doi: 10.1007/s12652-017-0477-5.
- [4] Y. Su and R. Gururajan, “The Determinants for Adoption of Wearable Computer Systems in Traditional Chinese Hospital,” in *2010 Asia-Pacific Conference on Wearable Computing Systems*, Shenzhen, China: IEEE, 2010, pp. 375–378. doi: 10.1109/APWCS.2010.102.
- [5] A. Arora, P. Chakraborty, and M. P. S. Bhatia, “Analysis of Data from Wearable Sensors for Sleep Quality Estimation and Prediction Using Deep Learning,” *Arab J Sci Eng*, vol. 45, no. 12, pp. 10793–10812, Dec. 2020, doi: 10.1007/s13369-020-04877-w.
- [6] A. Steinert, M. Haesner, and E. Steinhagen-Thiessen, “Activity-tracking devices for older adults: comparison and preferences,” *Univ Access Inf Soc*, vol. 17, no. 2, pp. 411–419, Jun. 2018, doi: 10.1007/s10209-017-0539-7.
- [7] J. M. Bertsch and S. P. Gent, “Design of a Wearable Health Monitoring System for In-Home and Emergency Use,” in *2020 Design of Medical Devices Conference*, Minneapolis, Minnesota, USA: American Society of Mechanical Engineers, Apr. 2020, p. V001T09A008. doi: 10.1115/DMD2020-9091.
- [8] W. Yue, L. I. Voronova, and V. I. Voronov, “Design and Implementation of a Remote Monitoring Human Health System,” in *2020 Systems of Signals Generating and Processing in the Field of on Board Communications*, Moscow, Russia: IEEE, Mar. 2020, pp. 1–7. doi: 10.1109/IEEECONF48371.2020.9078574.
- [9] T. A. Nuncira Gacharna *et al.*, “Development of Smartband to Monitor from Home the Vital Signs for Patients with SARS COV 2 Through a Mobile Application from the Central Military Hospital (HOMIL) Bogota 2020,” in *2020*



- IEEE Global Humanitarian Technology Conference (GHTC)*, Seattle, WA, USA: IEEE, Oct. 2020, pp. 1–4. doi: 10.1109/GHTC46280.2020.9342962.
- [10] D. Ekiz, Y. S. Can, Y. C. Dardagan, and C. Ersoy, “Can a Smartband be Used for Continuous Implicit Authentication in Real Life,” *IEEE Access*, vol. 8, pp. 59402–59411, 2020, doi: 10.1109/ACCESS.2020.2982852.
- [11] M. Lee, K. Lee, J. Shim, S. Cho, and J. Choi, “Security threat on wearable services: Empirical study using a commercial smartband,” in *2016 IEEE International Conference on Consumer Electronics-Asia (ICCE-Asia)*, Seoul: IEEE, Oct. 2016, pp. 1–5. doi: 10.1109/ICCE-Asia.2016.7804766.
- [12] Lejiang Guo, Bingwen Wang, and Xiaoli Pan, “The real-time wireless infrastructure for family medical care base on wearable technology,” in *2009 International Conference on Future BioMedical Information Engineering (FBIE)*, Sanya, China: IEEE, Dec. 2009, pp. 343–345. doi: 10.1109/FBIE.2009.5405853.
- [13] E. Silva, J. Aguiar, L. P. Reis, J. O. e Sá, J. Gonçalves, and V. Carvalho, “Stress among Portuguese Medical Students: the EuStress Solution,” *J Med Syst*, vol. 44, no. 2, p. 45, Feb. 2020, doi: 10.1007/s10916-019-1520-1.
- [14] M. A. A. E. Ghany, M. S. Saleab, R. M. Toma, and K. Hofmann, “Efficient wearable real-time vital signs monitoring system,” in *2015 IEEE International Conference on Electronics, Circuits, and Systems (ICECS)*, Cairo, Egypt: IEEE, Dec. 2015, pp. 217–220. doi: 10.1109/ICECS.2015.7440287.
- [15] B. Fernandes, J. Afonso, and R. Simoes, *Vital signs monitoring and management using mobile devices*. 2011, p. 6.
- [16] M. M. Baig and H. GholamHosseini, “Wireless remote patient monitoring in older adults,” in *2013 35th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*, Osaka: IEEE, Jul. 2013, pp. 2429–2432. doi: 10.1109/EMBC.2013.6610030.
- [17] Z. Alaseel and D. Debnath, “Vital Signs Monitoring System in Cloud Environment,” in *2018 IEEE International Conference on Electro/Information Technology (EIT)*, Rochester, MI: IEEE, May 2018, pp. 0073–0078. doi: 10.1109/EIT.2018.8500304.
- [18] M. Subhedar, V. Jadhav, S. Tekade, and M. Prajapati, “A Real Time Healthcare Monitoring System Based on Open Source IoT and ANFIS,” in *2018 Second International Conference on Intelligent Computing and Control Systems*



- (ICICCS), Madurai, India: IEEE, Jun. 2018, pp. 281–286. doi: 10.1109/ICCONS.2018.8663037.
- [19] M. A. Yusof and Y. Wen Hau, “Mini Home-Based Vital Sign Monitor with Android Mobile Application (myVitalGear),” in *2018 IEEE-EMBS Conference on Biomedical Engineering and Sciences (IECBES)*, Sarawak, Malaysia: IEEE, Dec. 2018, pp. 150–155. doi: 10.1109/IECBES.2018.8626639.
- [20] S. Marathe, D. Zeeshan, T. Thomas, and S. Vidhya, “A Wireless Patient Monitoring System using Integrated ECG module, Pulse Oximeter, Blood Pressure and Temperature Sensor,” in *2019 International Conference on Vision Towards Emerging Trends in Communication and Networking (ViTECoN)*, Vellore, India: IEEE, Mar. 2019, pp. 1–4. doi: 10.1109/ViTECoN.2019.8899541.
- [21] M. B. Garcia, N. U. Pilueta, and M. F. Jardimiano, “VITAL APP: Development and User Acceptability of an IoT-Based Patient Monitoring Device for Synchronous Measurements of Vital Signs,” in *2019 IEEE 11th International Conference on Humanoid, Nanotechnology, Information Technology, Communication and Control, Environment, and Management (HNICEM)*, Laoag, Philippines: IEEE, Nov. 2019, pp. 1–6. doi: 10.1109/HNICEM48295.2019.9072724.
- [22] S. Misbahuddin, M. M. Ibrahim, A. M. Alnajjar, B. Q. Alolabi, and A. F. Ammar, “Automatic Patients’ Vital Sign Monitoring by Single Board Computer (SBC) Based MPI Cluster,” in *2019 2nd International Conference on Computer Applications & Information Security (ICCAIS)*, Riyadh, Saudi Arabia: IEEE, May 2019, pp. 1–5. doi: 10.1109/CAIS.2019.8769551.
- [23] F. P. Akbulut, O. Ozgur, and I. Cinar, “e-Vital: A Wrist-Worn Wearable Sensor Device for Measuring Vital Parameters,” in *2019 Medical Technologies Congress (TIPTEKNO)*, Izmir, Turkey: IEEE, Oct. 2019, pp. 1–4. doi: 10.1109/TIPTEKNO.2019.8894915.
- [24] Y. Fan, P. Xu, H. Jin, J. Ma, and L. Qin, “Vital Sign Measurement in Telemedicine Rehabilitation Based on Intelligent Wearable Medical Devices,” *IEEE Access*, vol. 7, pp. 54819–54823, 2019, doi: 10.1109/ACCESS.2019.2913189.
- [25] F. M. Iqbal, M. Joshi, G. Davies, S. Khan, H. Ashrafian, and A. Darzi, “The pilot, proof of concept REMOTE-COVID trial: remote monitoring use in suspected cases of COVID-19 (SARS-CoV 2),” *BMC Public Health*, vol. 21, no. 1, p. 638, Dec. 2021, doi: 10.1186/s12889-021-10660-9.



- [26] J. Ran *et al.*, “Blood pressure control and adverse outcomes of COVID-19 infection in patients with concomitant hypertension in Wuhan, China,” *Hypertens Res*, vol. 43, no. 11, pp. 1267–1276, Nov. 2020, doi: 10.1038/s41440-020-00541-w.
- [27] D. Groth, *Network+ study guide*, 4th ed. San Francisco, Calif. ; London: SYBEX, 2005.
- [28] G. J T., *Network Topology in Command and Control: Organization, Operation, and Evolution: Organization, Operation, and Evolution*. IGI Global, 2014.
- [29] I. Sybex, *Networking complete*. San Francisco : Sybex, 2002. Accessed: Jan. 26, 2023. [Online]. Available: <http://archive.org/details/networkingcomple00sanf>
- [30] “Bluetooth Technology Overview,” *Bluetooth® Technology Website*. <https://www.bluetooth.com/learn-about-bluetooth/tech-overview/> (accessed Jan. 26, 2023).
- [31] “The Bluetooth® Low Energy Primer,” *Bluetooth® Technology Website*, May 19, 2022. <https://www.bluetooth.com/bluetooth-resources/the-bluetooth-low-energy-primer/> (accessed Jan. 26, 2023).
- [32] P. Mercader and J. Haddad, “Automatic incident detection on freeways based on Bluetooth traffic monitoring,” *Accident Analysis & Prevention*, vol. 146, p. 105703, Oct. 2020, doi: 10.1016/j.aap.2020.105703.
- [33] “Application Fundamentals,” *Android Developers*. <https://developer.android.com/guide/components/fundamentals> (accessed Jan. 26, 2023).
- [34] “IBM Documentation,” Jan. 10, 2023. <https://prod.ibmdocs-production-dal-6099123ce774e592a519d7c33db8265e-0000.us-south.containers.appdomain.cloud/docs/en/cics-ts/6.1?topic=concepts-http-protocol> (accessed Jan. 26, 2023).
- [35] Forouzan, Behrouz, *Data Communications and Network*, 5th ed. McGraw-Hill, 2013.

