

- [4] A. Ranjan, V. Sehrawat, J. S. Jadon, V. Sharda and H. Sinha, "Design of sign language system; using APR9600 and glove technology," *2017 International Conference on Smart Technologies For Smart Nation (SmartTechCon)*, Bengaluru, India, 2017, pp. 1348-1351, doi:10.1109/SmartTechCon.2017.8358586.
- [5] H. Isyanto and I. Jaenudin, "Monitoring Dua Parameter Data Medik Pasien (Suhu Tubuh dan Detak Jantung) Berbasis Aruino Nirkabel," *eLEKTUM*, vol. 15, no. 1, pp. 19-24, May 2018, doi:10.24853/elektum.15.1.19-24.
- [6] W. Fahri Ramadhan, "Rancang Bangun Alat Ukur Detak Jantung Menggunakan Pulse Sensor Sen-11574 Berbasis Arduino Pro Mini dengan Smartphone Android dan OLED SSD1306," *digilib.uin-suka.ac.id*, Nov. 21, 2018.
- [7] Mokh. S. Hadi, I. A. Elbaiti Zaeni, M. D. Maulana, A. P. Wibawa, and A. N. Afandi, "IOT Cloud Data Logger for Heart Rate Monitoring Device," *Proceedings of the 2nd International Conference on Vocational Education and Training (ICOVET 2018)*, 2019, doi:10.2991/icovet-18.2019.52.
- [8] A. Patombongi, "Rancang Bangun Alat Pendeteksi Detak Jantung Menggunakan Pulse Sensor Berbasis Arduino," *Journal Techno Entrepreneur Acta*, vol. 3, no. 2, 2018, Accessed: Jun. 09, 2024. [Online]. Available: <https://journal.unifa.ac.id/index.php/tea/article/view/61>
- [9] Arthana, I.K.R. Perancangan Alat Pendeteksi Detak Jantung Dan Notifikasi Melalui Sms (2017) Semin Nas Ris Inov., pp. 889-895, Bali, 2017.
- [10] Sri Purwiyanti, *Rancang Bangun Alat Pendeteksi Detak Jantung*. 2018.
- [11] F. Rahman, A. Kumar, N. Shabana, and S. Srinivasan, "Design of a wireless physiological parameter measurement and monitoring system," *2007 International Conference on Computer Engineering & Systems*, Nov. 2007, doi: 10.1109/icces.2007.4447077.
- [12] Wahyu Kusuma Raharja, "Purwarupa Alat Pendeteksi Detak Jantung Berbasis Atmega328," Depok, 2018.
- [13] G. Hota, S. Sharma, A. Rathore, S. Joshi, and H. Shah, "An Integrated Visual Signalling, Localisation & Health Monitoring System for Soldier Assistance," *2019 IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT)*, Feb. 2019, doi: 10.1109/icecct.2019.8869357.
- [14] I. Anas, M. Basri, and S. Nur, "Social Justice in CALL-Mediated EFL Teaching: A Case of Indonesia," *Tamaddun*, vol. 22, no. 2, pp. 122-140, Dec. 2023, doi: 10.33096/tamaddun.v22i2.561.
- [15] H. Al Shamsi, A. G. Almutairi, S. Al Mashrafi, and T. Al Kalbani, "Implications of language barriers for healthcare: A systematic review," *Oman Medical Journal*, vol. 35, no. 2, pp. 1-7, 2020, doi:10.5001/omj.2020.40.
- [16] R. Senthil Kumar, P. Leninpugalhanthi, S. Rathika, G. Rithika, and S. Sandhya, "Implementation of IoT Based Smart Assistance Gloves for Disabled People," *2021 7th International Conference on Advanced Computing and Communication Systems (ICACCS)*, Mar. 2021, doi:10.1109/icaccs51430.2021.9441855.
- [17] M. Iqbal, "Alat Bantu Komunikasi Pasien Penderita Pasca Stroke Digilib Perpustakaan Universitas Riau," *Digilib Perpustakaan Universitas Riau*, 2021.
- [18] M. I. Azriyenni, "Alat Bantu Komunikasi Melalui Gerakan Jari untuk Pasien Penderita Pasca Stroke," S00202104498, 2021.
- [19] J. H. Low et al., "Hybrid Tele-Manipulation System Using a Sensorized 3-D-Printed Soft Robotic Gripper and a Soft Fabric-Based Haptic Glove," in *IEEE Robotics and Automation Letters*, vol. 2, no. 2, pp. 880-887, April 2017, doi: 10.1109/LRA.2017.2655559.
- [20] D. F. Banu, N. Kumaresan, N. L. Kishore, D. Leena, P. Madhumitha and G. Priyanka, "IoT Based Smart Mitten for Plegia Patient's Health Monitoring System," *2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS)*, Coimbatore, India, 2022, pp. 2001-2007, doi: 10.1109/icaccs54159.2022.9785237.
- [21] A. A. Zakri et al., "Designing Flex Sensor Gloves with Temperature Sensor & Pulse Sensor to Help Stroke Patients," *International Journal of Emerging Technology and Advanced Engineering*, vol. 12, no. 12, pp. 23-31, Dec. 2022, doi: 10.46338/ijetae1222_03.
- [22] H. K. Yap, N. Kamaldin, J. H. Lim, F. A. Nasrallah, J. C. H. Goh, and C. H. Yeow, "A Magnetic Resonance Compatible Soft Wearable Robotic Glove for Hand Rehabilitation and Brain Imaging," *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, vol. 25, no. 6, pp. 782-793, Jun. 2017, doi:10.1109/tnsre.2016.2602941.
- [23] J. Pan, Y. Luo, Y. Li, C. K. Tham, C. H. Heng, and A. V. Y. Thean, "A Wireless Multi-Channel Capacitive Sensor System for Efficient Glove-Based Gesture Recognition with AI at the Edge," *IEEE Transactions on Circuits and Systems II: Express Briefs*, vol. 67, no. 9, pp. 1624-1628, Sep. 2020, doi: 10.1109/tcsii.2020.3010318.
- [24] E. Ayodele et al., "A Weft Knit Data Glove," *IEEE Trans Instrum Meas*, vol. 70, 2021, doi: 10.1109/tim.2021.3068173.
- [25] C. K. Jha, K. Gajapure, and A. L. Chakraborty, "Design and Evaluation of an FBG Sensor-Based Glove to Simultaneously Monitor Flexure of Ten Finger Joints," *IEEE Sens J*, vol. 21, no. 6, pp. 7620-7630, Mar. 2021, doi: 10.1109/jsen.2020.3046521.
- [26] Y. Zhou, A. Ibrahim, K. G. Hardy, M. E. Jenkins, M. D. Naish, and A. L. Trejos, "Design and Preliminary Performance Assessment of a Wearable Tremor Suppression Glove," *IEEE Trans Biomed Eng*, vol. 68, no. 9, pp. 2846-2857, Sep. 2021, doi:10.1109/tbme.2021.3080622.
- [27] T. Simoes Dias, J. J. A. M. Junior, and S. F. Pichorim, "An Instrumented Glove for Recognition of Brazilian Sign Language Alphabet," *IEEE Sens J*, vol. 22, no. 3, pp. 2518-2529, Feb. 2022, doi:10.1109/jsen.2021.3136790.
- [28] A. A. Zakri, A. Arfianti, A. Hamzah, M. Iqbal, H. Madjid, and N. F. Aulia, "Designing Flex Sensor Gloves with Temperature Sensor & Pulse Sensor to Help Stroke Patients," *International Journal of Emerging Technology and Advanced Engineering*, vol. 12, no. 12, pp. 23-31, Dec. 2022, doi: 10.46338/ijetae1222_03.
- [29] A. Crawford and H. Harris, "Caring for adults with impaired physical mobility," *Nursing*, vol. 46, no. 12, pp. 36-41, 2016, doi:10.1097/01.nurse.0000504674.19099.1d.
- [30] M. L. Stransky, K. M. Jensen, and M. A. Morris, "Adults with Communication Disabilities Experience Poorer Health and Healthcare Outcomes Compared to Persons Without Communication Disabilities," *Journal of General Internal Medicine*, vol. 33, no. 12, pp. 2147-2155, Aug. 2018, doi: 10.1007/s11606-018-4625-1.
- [31] G. Bartlett, R. Blais, R. Tamblyn, R. J. Clermont, and B. MacGibbon, "Impact of patient communication problems on the risk of preventable adverse events in acute care settings," *Canadian Medical Association Journal*, vol. 178, no. 12, pp. 1555-1562, Jun. 2008, doi:10.1503/cmaj.070690.
- [32] D. Quinto-Pozos, *Considering Communication Disorders and Differences in the Signed Language Modality*. Blue Ridge Summit: Multilingual Matters, 2014.
- [33] Northern Arizona University, "Cognitive Communication Disorders," [Online]. Available: <https://nau.edu/csd/>. 2004
- [34] V. H. S. Dobie RA, Ed., "Hearing Loss: Determining Eligibility for Social Security Benefits,". Washington (DC), National Academies Press (US), , 2004.
- [35] H. Al Shamsi, A. G. Almutairi, S. Al Mashrafi, and T. Al Kalbani, "Implications of language barriers for healthcare: A systematic review," *Oman Medical Journal*, vol. 35, no. 2, pp. 1-7, 2020, doi:10.5001/omj.2020.40.