

DAFTAR PUSTAKA

- [1] A. Ismail and K. S. Kuppusamy, "Accessibility analysis of north eastern India region websites for persons with disabilities," *2016 Int. Conf. Access. to Digit. World, ICADW 2016 - Proc.*, pp. 145–148, 2017.
- [2] American Academy of Pediatrics, "Children with Congenital Hand Anomalies & Malformations," <https://www.healthychildren.org>, 2017. [Online]. Available: <https://www.healthychildren.org/English/health-issues/conditions/Cleft-Craniofacial/Pages/Children-with-Congenital-Hand-Anomalies-Malformations.aspx>. [Accessed: 20-May-2019].
- [3] D. W. Kurnia, S. Kautsar, B. Etikasari, and A. Khafidurrohman, "A control scheme for typist robot using Artificial Neural Network," in *Proceedings - 2017 International Conference on Sustainable Information Engineering and Technology, SIET 2017*, 2018, vol. 2018-Janua, pp. 374–378.
- [4] G. Zhu, S. Cai, Y. Ma, and E. Liu, "A Series of leap motion-based matching games for enhancing the fine motor skills of children with autism," *Proc. - IEEE 15th Int. Conf. Adv. Learn. Technol. Adv. Technol. Support. Open Access to Form. Informal Learn. ICALT 2015*, pp. 430–431, 2015.
- [5] J. K. Sharma, R. Gupta, and V. K. Pathak, "Numeral Gesture Recognition Using Leap Motion Sensor," *2015 Int. Conf. Comput. Intell. Commun. Networks*, pp. 411–414, 2015.
- [6] R. G. Lupu, N. Botezatu, and D. Ignat, "Virtual reality based stroke recovery for upper limbs using leap motion - IEEE Xplore Document," pp. 295–299, 2016.
- [7] P. Kumar, R. Saini, and P. P. Roy, "Real-Time Recognition of Sign Language Gestures and Air-Writing using Leap Motion," vol. 1, pp. 1–4, 2017.
- [8] F. R. Muhammad Ilhamdi Rusydi, Oktrison, Willy Azhar, Oluwarotimi Williams Samuel, "Towards Hand Gesture Based Control of Virtual Keyboards for Effective Communication," in *Conference on Innovation in Technology and Engineering Science (CITES 2018)*, 2018.

- [9] S. Sanchez-Gordon, M. Mejía, and S. Luján-Mora, "Model for adjusting workplaces for employees with visual and hearing disabilities," in *2017 4th International Conference on eDemocracy and eGovernment, ICEDEG 2017*, 2017, pp. 240–244.
- [10] O. Poobrasert, T. Mupattararot, and L. Sae-Aue, "Use of assistive technology to accommodate students with writing disabilities," in *2017 IEEE 5th International Conference on Serious Games and Applications for Health, SeGAH 2017*, 2017, pp. 0–3.
- [11] C. Rolfe, M. Efektivitas, A. Bantu, and K. Kesehatan, "Artikel Tentang Kesehatan Wanita Hearing Aids: Alat Bantu Dengar," pp. 1–2, 2016.
- [12] D. Orthopaedi, "Prostesis dan Orthosis - Info Dokter <http://dokter-info.blogspot.co.id/2016/02/prostesis-dan-orthosis.html> Info Dokter Orthopaedi dan Dokter Umum. FLICKR," pp. 1–6, 2016.
- [13] A. M. Elsaigh and H. M. Elsiddig, "The role of e-learning in improving the reading skills of children with learning disabilities in reading from the point of view of teachers of children with learning disabilities," in *2017 Joint International Conference on Information and Communication Technologies for Education and Training and International Conference on Computing in Arabic, ICCA-TICET 2017*, 2017.
- [14] O. Karantarat and Y. Kitjaidure, "The Walking Assistance System using the Lower Limb Exoskeleton Suit Commanded by Backpropagation Neural Network," in *BMEiCON 2018 - 11th Biomedical Engineering International Conference*, 2019, pp. 1–5.
- [15] M. I. Rusydi, D. Saputra, and D. Anugrah, "Real Time Control of Virtual Menu Based on EMG Signal from Jaw," in *2018 3rd Asia-Pacific Conference on Intelligent Robot Systems (ACIRS)*, 2018, pp. 18–22.
- [16] B. Sivakumar and K. Srilatha, "A novel method to segment blood vessels and optic disc in the fundus retinal images," *Res. J. Pharm. Biol. Chem. Sci.*, vol. 7, no. 3, pp. 365–373, 2016.
- [17] A. Dzikri and D. E. Kurniawan, "Hand Gesture Recognition for Game 3D Object Using The Leap Motion Controller with Backpropagation Method," in *Proceedings of the 2018 International Conference on Applied*

Engineering, ICAE 2018, 2018, pp. 1–5.

- [18] S. Nicola, L. Stoicu-Tivadar, I. Virag, and M. Crisan-Vida, “Leap Motion supporting medical education,” *2016 12th Int. Symp. Electron. Telecommun. ISETC 2016 - Conf. Proc.*, pp. 153–156, 2016.
- [19] P. Rittitum, V. Wiwat, and T. Arthit, “Digital Scrum Board 8 sing Leap Motion,” in Rittitum, P., Vatanawood, W., Thongtak, A., 2016. *Digital scrum board using leap motion*, in: *2016 IEEE/ACIS 15th International Conference on Computer and Information Science, ICIS 2016 - Proceedings. Institute of Electrical and Electronics Engineers Inc.*, 2016, pp. 1–4.
- [20] L. Wen-Jeng, H. Chia-Yeh, L. Li-Fong, and C. Woei-Chyn, “Hand Gesture Recognition for Post-stroke Rehabilitation Using Leap Motion,” 2017, no. c, pp. 386–388.
- [21] A. H. Butt, E. Rovini, C. Dolciotti, P. Bongioanni, G. De Petris, and F. Cavallo, “Leap motion evaluation for assessment of upper limb motor skills in Parkinson ’ s disease,” *Rehabil. Robot. 2017 IEEE Int. Conf. on. IEEE, London*, 2017.
- [22] M. Alimanova *et al.*, “Gamification of Hand Rehabilitation Process Using Virtual Reality Tools: Using Leap Motion for Hand Rehabilitation,” *2017 First IEEE Int. Conf. Robot. Comput.*, pp. 336–339, 2017.
- [23] T. Mantecón, C. R. del-Blanco, F. Jaureguizar, and N. García, “Hand Gesture Recognition Using Infrared Imagery Provided by Leap Motion Controller,” vol. 5, no. 10, pp. 47–57, 2016.
- [24] M. Rusydi, M. I. Fernandez, R., Erlina, T., Syukrina, U., Rusydi, A., Setiawan, A. W., & Sasaki, “The Use of Two Fingers to Control Virtual Keyboards with Leap Motion Sensor,” in *5th International Conference on Instrumentation, Communication, Information Technology, and Biomedical Engineering 2017*, 2017, pp. 255–260.
- [25] M. D. Mohanty and M. N. Mohanty, “Design of a Quadcopter UAV for Flood Area Data Analysis,” in *Proceedings - 2nd International Conference on Data Science and Business Analytics, ICDSBA 2018*, 2018, no. 1, pp. 3–7.
- [26] M. Qasim, E. Susanto, and A. S. Wibowo, “PID control for attitude

stabilization of an unmanned aerial vehicle quad-copter,” in *Proceedings of the 2017 5th International Conference on Instrumentation, Control, and Automation, ICA 2017*, 2017, pp. 109–114.

- [27] T. P. Sari, Darwinson, and R. Aisuwarya, “Sistem Monitoring Denyut Jantung Menggunakan Mikrokontroler Arduino Dan Komunikasi Modul Xbee,” *J. Semin. Nas. Sains*, vol. 1, no. 1, pp. 1–9, 2015.
- [28] S. Fuady, A. R. Ibrahim, and R. T. Bambang, “Wheelchair Control Using Hand Movement & Voice with Obstacle Avoidance,” in *2018 Second International Conference on Intelligent Computing and Control Systems (ICICCS)*, 2013, no. Iciccs, pp. 94–98.
- [29] C. Rotariu, H. Costin, A. David, R. G. Bozomitu, and C. Barabaşa, “Medical Device for Communication with Neuromotor Disabled Patients,” in *2018 IEEE 24th International Symposium for Design and Technology in Electronic Packaging, SIITME 2018 - Proceedings*, 2019, pp. 247–250.
- [30] A. Gor, N. J., & Jeyakumar, “Voice controlled motorized wheelchair with real time location monitoring,” in *2017 International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS)*, 2017, vol. 2, no. 1, pp. 25–42.
- [31] M. Benny Chaniago and A. Junaidi, “SMS Gateway and barcode technology for presence of students in SMK Unggulan Terpadu PGII Bandung: A case study,” *Proc. 2016 4th Int. Conf. Cyber IT Serv. Manag. CITSM 2016*, pp. 2–5, 2016.
- [32] E. Husni and M. A. Hidayat, “E-payment system using SMS gateway and line application,” in *Proceedings - International Conference on Information and Communication Technology for the Muslim World 2018, ICT4M 2018*, 2018, pp. 173–178.
- [33] A. Roihan, F. Sudarto, and T. Cahyo Putro, “Internet of Things on Monitoring and Control System in Server Area,” in *2018 International Seminar on Application for Technology of Information and Communication*, 2018, pp. 116–120.
- [34] T. Krongtripop and P. Kirdpipat, “Implementation of neural network based on the microcontroller for energy saving of electric kettle,” *2016 13th Int.*

Conf. Electr. Eng. Comput. Telecommun. Inf. Technol. ECTI-CON 2016, 2016.

- [35] A. P. D. Heredial, F. R. Cruzl, J. R. Balbinl, and W. Chung, “Olfactory Classification using Electronic Nose System via Artificial Neural Network,” pp. 3569–3574, 2016.
- [36] A. R. Anifah, L., Haryanto, Harimurti, R., Permatasari, Z., Rusimamto, P. W., & Muhamad, “Cancer Lungs Detection on CT Scan Image Using Artificial Neural Network Backpropagation Based Gray Level Cooccurrence Matrices Feature,” in *2017 International Conference on Advanced Computer Science and Information Systems (ICACSIS)*, 2017, no. 2010, pp. 0–5.
- [37] Z. Mlakic, D., Nikolovski, S., & Baus, “Detection of Faults in Electrical Panels Using Deep Learning Method,” in *2017 International Conference on Smart Systems and Technologies (SST)*, 2017, pp. 55–61.
- [38] A. K. Jain, “Working model of Self-driving car using Convolutional Neural Network, Raspberry Pi and Arduino,” in *Proceedings of the 2nd International Conference on Electronics, Communication and Aerospace Technology, ICECA 2018*, 2018, no. Iceca, pp. 1630–1635.
- [39] M. O. Khan and G. Parker, “Learning live autonomous navigation: A model car with hardware arduino neurons,” in *2016 IEEE International Conference on Systems, Man, and Cybernetics, SMC 2016 - Conference Proceedings*, 2017, pp. 4118–4123.
- [40] M. W. Cohen, I. Voldman, D. Regazzoni, and A. Vitali, “Hand Rehabilitation via Gesture Recognition using Leap Motion Controller,” in *2018 11th International Conference on Human System Interaction (HSI)*, 2018, pp. 404–410.