

DAFTAR PUSTAKA

- [1] M. Sasaki, M. S. A. Bin Suhaimi, K. Matsushita, S. Ito, and M. I. Rusydi, "Robot Control System Based on Electrooculography and Electromyogram," *J. Comput. Commun.*, vol. 03, no. 11, pp. 113–120, 2015, doi: 10.4236/jcc.2015.311018.
- [2] A. López, M. Fernández, H. Rodríguez, F. Ferrero, and O. Postolache, "Development of an EOG-based system to control a serious game," *Meas. J. Int. Meas. Confed.*, vol. 127, no. June, pp. 481–488, 2018, doi: 10.1016/j.measurement.2018.06.017.
- [3] M. I. Rusydi, T. Okamoto, S. Ito, and M. Sasaki, "Rotation matrix to operate a robot manipulator for 2D analog tracking objects using electrooculography," *Robotics*, vol. 3, no. 3, pp. 289–309, 2014, doi: 10.3390/robotics3030289.
- [4] A. López, P. J. Arévalo, F. J. Ferrero, M. Valledor, and J. C. Campo, "EOG-based system for mouse control," *Proc. IEEE Sensors*, vol. 2014- Decem, no. December, pp. 1264–1267, 2014, doi: 10.1109/ICSENS.2014.6985240.
- [5] M. I. Rusydi, M. Sasaki, and S. Ito, "Affine Transform to Reform Pixel Coordinates of EOG Signals for Controlling Robot Manipulators Using Gaze Motions," pp. 10107–10123, 2014, doi: 10.3390/s140610107.
- [6] M. A. Ahamed, M. Asraf-Ul-Ahad, M. H. A. Sohag, and M. Ahmad, "Development of low cost wireless ECG data acquisition system," *Proc. 2015 3rd Int. Conf. Adv. Electr. Eng. ICAEE 2015*, no. Eict, pp. 72–75, 2016, doi: 10.1109/ICAEE.2015.7506799.
- [7] N. M. M. Noor and M. A. M. Mustafa, "Eye movement activity that affected the eye signals using electrooculography (EOG) technique," *Proc. - 6th IEEE Int. Conf. Control Syst. Comput. Eng. ICCSCE 2016*, no. November, pp. 91–95, 2017, doi: 10.1109/ICCSCE.2016.7893551.
- [8] M. I. Rusydi, A. Anandika, R. Adnan, K. Matsuhita, and M. Sasaki, "Adaptive Symmetrical Virtual Keyboard Based on EOG Signal," *2019 4th Asia-Pacific Conf. Intell. Robot Syst. ACIRS 2019*, pp. 22–26, 2019, doi: 10.1109/ACIRS.2019.8935956.
- [9] S. S. S. Teja, S. S. Embrandiri, N. Chandrachoodan, and R. Reddy M., "EOG based virtual keyboard," *2015 41st Annu. Northeast Biomed. Eng. Conf. NEBEC 2015*, pp. 1–2, 2015, doi: 10.1109/NEBEC.2015.7117201.
- [10] A. López, F. Ferrero, D. Yangüela, C. Álvarez, and O. Postolache, "Development of a computer writing system based on EOG," *Sensors (Switzerland)*, vol. 17, no. 7, pp. 1–20, 2017, doi: 10.3390/s17071505.
- [11] Q. Huang *et al.*, "An EOG-based human-machine interface for wheelchair control," *IEEE Trans. Biomed. Eng.*, vol. 65, no. 9, pp. 2023–2032, 2018, doi: 10.1109/TBME.2017.2732479.
- [12] B. Champaty, J. Jose, K. Pal, and A. Thirugnanam, "Interface control

- System for Motorized Wheelchair,” *2014 Annu. Int. Conf. Emerg. Res. Areas Magn. Mach. Drives*, pp. 1–7, 2014, doi: 10.1109/AICERA.2014.6908256.
- [13] S. Chakraborty, A. Dasgupta, P. Dash, and A. Routray, “Development of a wireless wearable electrooculogram recorder for IoT based applications,” *IEEE Int. Symp. Ind. Electron.*, no. June, pp. 1991–1995, 2017, doi: 10.1109/ISIE.2017.8001559.
- [14] L. D. Lledó, A. Úbeda, E. Iáñez, and J. M. Azorín, “Internet browsing application based on electrooculography for disabled people,” *Expert Syst. Appl.*, vol. 40, no. 7, pp. 2640–2648, 2013, doi: 10.1016/j.eswa.2012.11.012.
- [15] M. I. Rusydi *et al.*, “The Use of Two Fingers to Control Virtual Keyboards with Leap Motion Sensor,” *Proc. 2017 5th Int. Conf. Instrumentation, Commun. Inf. Technol. Biomed. Eng. ICICI-BME 2017*, no. November, pp. 255–260, 2018, doi: 10.1109/ICICI-BME.2017.8537763.
- [16] Y. K. Meena, H. Cecotti, and G. Prasad, “A Novel Multimodal Gaze-Controlled Hindi Virtual Keyboard for Disabled Users,” no. October, 2016, doi: 10.1109/SMC.2016.7844807.
- [17] A. B. Usakli and S. Gurkan, “Design of a novel efficient humancomputer interface: An electrooculagram based virtual keyboard,” *IEEE Trans. Instrum. Meas.*, vol. 59, no. 8, pp. 2099–2108, 2010, doi: 10.1109/TIM.2009.2030923.
- [18] M. I. Rusydi, D. Saputra, D. Anugrah, Syafii, A. W. Setiawan, and M. Sasaki, “Real time control of virtual menu based on EMG signal from Jaw,” *Proc. 2018 3rd Asia-Pacific Conf. Intell. Robot Syst. ACIRS 2018*, pp. 18–22, 2018, doi: 10.1109/ACIRS.2018.8467273.
- [19] M. I. Rusydi, Oktrison, W. Azhar, S. W. Oluwarotimi, and F. Rusydi, “Towards hand gesture-based control of virtual keyboards for effective communication,” *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 602, no. 1, 2019, doi: 10.1088/1757-899X/602/1/012030.
- [20] Y. Y. Lu and Y. T. Huang, “A method of personal computer operation using Electrooculography signal,” *Proc. 2019 IEEE Eurasia Conf. Biomed. Eng. Healthc. Sustain. ECBIOS 2019*, no. 49, pp. 76–78, 2019, doi: 10.1109/ECBIOS.2019.8807879.
- [21] R. Barea, L. Boquete, M. Mazo, E. López, and L. M. Bergasa, “E.O.G. guidance of a wheelchair using neural networks,” *Proc. - Int. Conf. Pattern Recognit.*, vol. 15, no. 4, pp. 668–671, 2000, doi: 10.1109/icpr.2000.903006.
- [22] X. J. Ding and Z. Lv, “Design and development of an EOG-based simplified Chinese eye-writing system,” *Biomed. Signal Process. Control*, vol. 57, p. 101767, 2020, doi: 10.1016/j.bspc.2019.101767.
- [23] R. S. Soundariya and R. Renuga, “Eye movement based emotion recognition using electrooculography,” *2017 Innov. Power Adv. Comput.*

Technol. i-PACT 2017, vol. 2017-Janua, pp. 1–5, 2017, doi: 10.1109/IPACT.2017.8245212.

- [24] M. I. Rusydi, M. Sasaki, and S. Ito, “Calculate Target Position of Object in 3-Dimensional Area Based on the Perceived Locations Using EOG Signals,” *J. Comput. Commun.*, vol. 02, no. 11, pp. 53–60, 2014, doi: 10.4236/jcc.2014.211007.
- [25] M. I. Rusydi, M. Bahri, R. S. Ryaldi, F. Akbar, K. Matsuhita, and M. Sasaki, “Recognition of horizontal gaze motion based on electrooculography using tsugenno fuzzy logic,” *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 602, no. 1, 2019, doi: 10.1088/1757-899X/602/1/012029.
- [26] Ambu, “Ambu Blue Sensor VL,” *Data Sheet*, p. 2, 2009, [Online]. Available: http://media.supplychain.nhs.uk/media/documents/FDK587/Marketing/24343_FDK587.pdf.
- [27] L. M. Daq, “NI USB-6008,” pp. 1–14.
- [28] B. M. Daq and U. S. B. Device, “Ni usb-6008/6009,” pp. 1–26.
- [29] L. Chandrakantha, “Learning ANOVA concepts using simulation,” *Proc. 2014 Zo. 1 Conf. Am. Soc. Eng. Educ. - “Engineering Educ. Ind. Involv. Interdiscip. Trends”*, *ASEE Zo. 1 2014*, 2014, doi: 10.1109/ASEEZone1.2014.6820644.
- [30] K. M. Ropella, *Introduction to statistics for biomedical engineers*, vol. 14. 2007.
- [31] T. K. Kim, “T test as a parametric statistic,” no. Table 2, 2015.
- [32] I. Codreanu, “A procedure based on the ANOVA method for estimating the maximum number of generations for optimization genetic algorithms,” *Proc. Int. Semicond. Conf. CAS*, vol. 2, pp. 497–500, 2007, doi: 10.1109/SMICND.2007.4519769.
- [33] Q. Liu and L. Wang, “t -Test and ANOVA for data with ceiling and / or floor effects,” 2020.
- [34] U. Kucuk, M. Eyuboglu, H. Olgun, and G. Degirmencioglu, “Importance of using proper post hoc test with ANOVA,” *Int. J. Cardiol.*, p. 21597, 2015, doi: 10.1016/j.ijcard.2015.11.061.