DAFTAR PUSTAKA

[1]   A. M. Choudhari, P. Porwal, V. Jonnalagedda, and F. Mériaudeau, "An Electrooculography based Human Machine Interface for wheelchair control," *Biocybern. Biomed. Eng.*, vol. 39, no. 3, 2019, doi: 10.1016/j.bbe.2019.04.002.

[2]   PRESIDEN and R. INDONESIA, *UNDANG-UNDANG REPUBLIK INDONESIA NOMOR 13 TAHUN 1998 TENTANG KESEJAHTERAAN LANJUT USIA*. 1998.

[3]   B. P. Statistik, "Statistik Penduduk Lanjut Usia 2019," *04220.1905*. https://www.bps.go.id/publication/2019/12/20/ab17e75dbe630e05110ae53b/statistik-penduduk-lanjut-usia-2019.html (accessed Jul. 23, 2021).

[4]   S. N. Kholifah, *keperawatan gerontik*. Jakarta: pusdik SDM kesehatan.

[5]   M. Zuhdi, "Pendekatan Komprehensif tehadap Perawatan Kesehatan pada Usia Lanjut Menjelang Tahun 2000," *Maj. Kesehat. Masy. Nomor 59*, 1998.

[6]   P. R. INDONESIA, *PENGESAHAN CONVENTION ON THE RIGHTS OF PERSONS WITH DISABILITIES (KONVENSI MENGENAI HAK-HAK PENYANDANG DISABILITAS)*. 2011.

[7]   dr. R. Tamin, "Penyakit Saraf Motorik," 2020. https://www.alodokter.com/penyakit-motor-neuron (accessed Jul. 23, 2021).

[8]   R. Ramli, H. Arof, F. Ibrahim, N. Mokhtar, and M. Y. I. Idris, "Using finite state machine and a hybrid of EEG signal and EOG artifacts for an asynchronous wheelchair navigation," *Expert Syst. Appl.*, vol. 42, no. 5, pp. 2451–2463, Apr. 2015, doi: 10.1016/j.eswa.2014.10.052.

[9]   J. W. Machangpa and T. S. Chingtham, "Head Gesture Controlled Wheelchair for Quadriplegic Patients," in *Procedia Computer Science*, Jan. 2018, vol. 132, pp. 342–351, doi: 10.1016/j.procs.2018.05.189.

[10]   B. Andrea, L. Sauro, M. Andrea, and V. Massimo, "Navigation system for a smart wheelchair," *J. Zhejiang Univ. A*, vol. 6, no. 2, pp. 110–117, 2005, doi: 10.1007/BF02847974.

[11]   A. A. Abed, "Design of Voice Controlled Smart Wheelchair," *Int. J. Comput. Appl.*, vol. 131, 2015.

[12]   and A. T. D, Sharath Babu Rao, "Gesture Controlled Wheelchair," *IJSETR*, 2015.

[13]   R. Barea, L. Boquete, M. Mazo, and E. López, "Wheelchair Guidance Strategies Using EOG," *J. Intell. Robot. Syst.*, vol. 34, no. 3, pp. 279–299, 2002, doi: 10.1023/A:1016359503796.

[14] M. I. Rusydi, T. Okamoto, and S. I. and M. Sasaki, "No Title," *Int. J. Electr. Eng. Informatics*, vol. 10, 2018.

[15] E. Iáñez, A. Úbeda, J. M. Azorín, and C. Perez-Vidal, "Assistive robot application based on an RFID control architecture and a wireless EOG interface," *Rob. Auton. Syst.*, vol. 60, no. 8, pp. 1069–1077, Aug. 2012, doi: 10.1016/j.robot.2012.05.006.

[16] M. F. Bhuyain, M. A.-U. K. Shawon, N. Sakib, T. Faruk, M. K. Islam, and K. M. Salim, "Design and development of an EOG-based system to control electric wheelchair for people suffering from quadriplegia or quadriparesis," in *2019 International Conference on Robotics, Electrical and Signal Processing Techniques (ICREST)*, 2019, pp. 460–465.

[17] N. M. M. Noor and S. Ahmad, "Performance analysis of an electrooculography-based on intelligent wheelchair motion control," in *2015 10th Asian Control Conference (ASCC)*, 2015, pp. 1–6.

[18] A. N. Rajesh, S. Chandralingam, T. Anjaneyulu, and K. Satyanarayana, "Eog controlled motorized wheelchair for disabled persons," *Int. J. Medical, Heal. Biomed. Bioeng. Pharm. Eng.*, vol. 8, no. 5, pp. 302–305, 2014.

[19] j. g. skofronic and r. m. grant j. r. cameron, *fisika tubuh manusia*. Jakarta: perpustakaan nasional, 2006.

[20] S. Aungsakun, A. Phinyomark, P. Phukpattaranont, and C. Limsakul, "Robust Eye Movement Recognition Using EOG Signal for Human-Computer Interface BT - Software Engineering and Computer Systems," 2011, pp. 714–723.

[21] C. K. Ho and M. Sasaki, "Brain-wave bio potentials based mobile robot control: wavelet-neural network pattern recognition approach," in *2001 IEEE International Conference on Systems, Man and Cybernetics. e-Systems and e-Man for Cybernetics in Cyberspace (Cat.No.01CH37236)*, 2001, vol. 1, pp. 322–328 vol.1, doi: 10.1109/ICSMC.2001.969832.

[22] F. F. and T. Shinozaki, "Electrooculography-based Continuous Eye-Writing Recognition System for Efficient Assistive Communication Systems," *PLoS One*, 2018.

[23] R. Barea, L. Boquete, M. Mazo, and E. Lopez, "System for assisted mobility using eye movements based on electrooculography," *IEEE Trans. Neural Syst. Rehabil. Eng.*, vol. 10, no. 4, pp. 209–218, 2002, doi: 10.1109/TNSRE.2002.806829.

[24] J. Chaerani, "RANCANGAN VIRTUAL KEYBOARD DENGAN LIRIKAN MATA UNTUK PENYANDANG DISABILITAS MENGGUNAKAN SENSOR ELECTROOCULOGRAPHY DAN METODE K-NEAREST NEIGHBOR SEBAGAI PENGAMBILAN KEPUTUSAN," *Tugas Akhir, Tek. Elektro FT UNAND*, 2020.

[25] "Band Pass Filter." http://elektro.um.ac.id/laboratorium/modul-dan-

jobsheet-praktikum/ (accessed Jul. 16, 2021).

[26] "Ambu BlueSensor." https://www.ambu.com/cardiology/ecg-electrodes/product/ambu-bluesensor-r (accessed Jul. 16, 2021).

[27] D. N. ARSYAD RAMADHAN DARLIS, LITA LIDYAWATI, "Implementasi Visible Light Communication (VLC) Pada Sistem Komunikasi," *elkomika*, vol. 1, p. 1, 2013.

[28] A. D. Hendrawan, A. Warsito, and M. Facta, "ANALISIS FILTER SERI-PARALEL DALAM RANGKAIAN INVERTER FREKUENSI TINGGI PENAIK TEGANGAN," *Transient J. Ilm. Tek. Elektro; TRANSIENT, VOL. 2, NO. 4, DESEMBER 2013*, 2014, doi: 10.14710/transient.2.4.946-952.

[29] A. Yunus, "ANALISA PERBANDINGAN KINERJA METODE KLASIFIKASI JARINGAN SARAF TIRUAN, NAÏVE BAYES DAN SUPPORT VECTOR MACHINE UNTUK MENGENALI KEDIPAN MATA BERDASARKAN SIGNAL EOG," *Tugas Akhir, Tek. Elektro FT UNAND*, 2020.

[30] "NI USB 6008." https://www.ni.com/en-id/support/model.usb-6008.html (accessed Jul. 16, 2021).

[31] "USB-6008 Specifications." https://www.ni.com/documentation/en/multifunction-io-device/latest/specs-usb-6008/specs/ (accessed Jul. 16, 2021).

[32] O. P. Singh, D. Mekonnen, and M. B. Malarvili, "Labview Based ECG Patient Monitoring System for Cardiovascular Patient Using SMTP Technology," *J. Med. Eng.*, vol. 2015, p. 701520, 2015, doi: 10.1155/2015/701520.

[33] M. I. Rusydi, M. Bahri, R. S. Ryaldi, F. Akbar, K. Matsuhita, and M. Sasaki, "Recognition of horizontal gaze motion based on electrooculography using tsugeno fuzzy logic," *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 602, p. 12029, 2019, doi: 10.1088/1757-899x/602/1/012029.

[34] V. P. Brahmaiah, Y. P. Sai, and M. N. G. Prasad, "Data Acquisition System of Electrooculogram," in *2017 IEEE 7th International Advance Computing Conference (IACC)*, 2017, pp. 716–721, doi: 10.1109/IACC.2017.0149.

[35] "Labview." https://www.ni.com/en-id/shop/labview.html (accessed Jul. 18, 2021).

[36] L. E. Peterson, "K-nearest neighbor," *Scholarpedia*, vol. 4, p. 1883, 2009, [Online]. Available: http://www.scholarpedia.org/article/K-nearest_neighbor.

[37] A. M. Ismail, "Cara Kerja Algoritma k-Nearest Neighbor (k-NN)," *Tersedia: https://medium. com/bee-solutionpartners/cara-kerja-algoritma-k-nearest-neighbor-k-nn-389297de543e*, 2018.

[38] C. A. Pamungkas, "Aplikasi penghitung jarak koordinat berdasarkan latitude dan longitude dengan metode euclidean distance dan metode

haversine," *J. Inf. J. Penelit. dan Pengabdi. Masy.*, vol. 5, no. 2, pp. 8–13, 2019.

[39] H. Leidiana, "Penerapan algoritma k-nearest neighbor untuk penentuan resiko kredit kepemilikan kendaraan bemotor," *PIKSEL Penelit. Ilmu Komput. Sist. Embed. Log.*, vol. 1, no. 1, pp. 65–76, 2013.

[40] N. Nafi'Dzikrulloh and B. D. S. Indriati, "Penerapan Metode K–Nearest Neighbor (KNN) dan Metode Weighted Product (WP) Dalam Penerimaan Calon Guru Dan Karyawan Tata Usaha Baru Berwawasan Teknologi (Studi Kasus: Sekolah Menengah Kejuruan Muhammadiyah 2 Kediri)," *J. Pengemb. Teknol. Inf. dan Ilmu Komput. e-ISSN*, vol. 2548, p. 964X.

[41] C. Dsn, "Contoh implementasi Data Mining Algoritma k-Nearest Neighbors (k-NN) menggunakan PHP dan MySQL untuk memprediksi kelulusan mahasiswa tepat waktu," 2018, [Online]. Available: https://cahyadsn.phpindonesia.id/extra/knn.php.

[42] M. Mustakim and G. Oktaviani, "Algoritma K-Nearest Neighbor Classification Sebagai Sistem Prediksi Predikat Prestasi Mahasiswa," *J. Sains, Teknol. dan Ind.*, vol. 13, no. 2, pp. 195–202, 2016.

[43] I. M. L. Batan, "Pengembangan Kursi Roda Sebagai Upaya Peningkatan Ruang Gerak Penderita Cacat Kaki," *J. Tek. Ind.*, vol. 8, no. 2, p. pp-97, 2007.