

DAFTAR PUSTAKA

- [1] H. Huang, R. Li, and Zhang, review visual sustained attention: neural mechanisms and J. “A of computational models,” *PeerJ*, vol. 11, p. e15351, Jun. 2023, doi: 10.7717/peerj.15351.
- [2] C. L. Gallen et al., “Contribution of sustained attention abilities real-world academic skills to in children,” *Sci Rep*, vol. 13, no. 1, p. 2673, 2023, doi: 10.1038/s41598-023-29427-w.
- [3] P. Walla and Y. Zheng, “Intense Short-Video Based Social Media Use reduces the P300 Event Related Potential Component in a Visual Oddball Experiment: A Sign for Reduced Attention,” *Life*, vol. 14, no. 3, 2024, doi: 10.3390/life14030290.
- [4] Ó. Gómez W. Morales, D. F. Collazos Huertas, A. M. Álvarez Meza, and C. G. 80 Castellanos Dominguez, “EEG Signal Prediction for Motor Imagery Classification in Brain Computer Interfaces,” *Sensors*, vol. 25, no. Apr. 7, 2025, doi: 10.3390/s25072259.
- [5] N. F. Akila, E. M. N. E. M. Nasir, N. Fuad, M. H. A. Wahab, and S. Z. S. Idrus, Review Human “A of Graphology Analysis and Brainwaves,” *IOP Conf Ser Mater Sci Eng*, vol. 917, no. 1, p. 12048, Sep. 81 2020, doi: 10.1088/1757-899X/917/1/012048.
- [6] B. Raufi and L. Longo, “An Evaluation of the EEG Alpha-to Theta Theta-to and Alpha Band Ratios as Indexes Mental Workload,” *Front of Neuroinform*, vol. 16, 2022, doi: 10.3389/fninf.2022.861967.
- [7] S. D. McKeon et al., “Age related differences in transient gamma band activity 82 during working memory maintenance through adolescence,” *Neuroimage*, vol. 274, p. 120112, 2023, doi: <https://doi.org/10.1016/j.neuroimage.2023.120112>.
- [8] Ó. Gómez W. Morales, D. F. Collazos Huertas, A. M. Álvarez Meza, and C. G. Castellanos Dominguez, “EEG Signal Prediction for Motor Imagery Classification in Brain Computer Interfaces,” *Sensors*, vol. 25, no. 7, Apr. 2025, doi: 10.3390/s25072259.
- [9] V. N and A. N, “A review of non invasive BCI devices,” *Int J Biomed Eng Technol*, vol. 34, no. 3, pp. 205–233, 2020, doi: 10.1504/IJBE T.2020.111471.

- [10] M. S. Salama Mostafa A. and Abou El Seoud, “Mind Waves Time Series Analysis Students’ of Focusing and Relaxing Sessions,” in *Learning in the Age of Digital and Green 84 Transition*, W. and R. T. Auer Michael E. and Pachatz, Ed., Cham: Springer International Publishing, 2023, pp. 661–668.
- [11] M. He et al., “HMT: An EEG Signal Classification Method Based on CNN Architecture, ” in *2023 5th International Conference on Intelligent Control, Measurement and Signal Processing (ICMSP)*, 2023, pp. 1015–1018. doi: 10.1109/ICMSP58539.2023.10170904.
- [12] S. Can, Y. Yildirim Usta, S. Yildiz, and K. Tayfun, “The effect of lavender and rosemary aromatherapy application on cognitive functions, anxiety, and sleep quality in the elderly with diabetes,” *EXPLORE*, vol. 20, no. 6, p. 103033, 2024, doi: <https://doi.org/10.1016/j.explore.2024.103033>.
- [13] S. Umukoro, A. H. Adeola, B. Ben-Azu, and A. M. Ajayi, “Lemon 86 Grass Tea Enhanced Memory Function and Attenuated Scopolamine Induced Amnesia in Mice Via Inhibition of Oxidative Stress and Acetyl Cholinesterase Activity,” *J Herbs Spices Med Plants*, vol. 24, no. 4, pp. 407–420, 2018, doi: 10.1080/10496475.2018.1520777.
- [14] A. Bedi, P. N. Russell, and W. S. Helton, “Go-stimuli probability influences response bias in the sustained attention to 87 response task: a signal detection theory perspective,” *Psychol Res*, vol. 87, no. 2, pp. 509–518, 2023, doi: 10.1007/s00426-022-01679-7.
- [15] P. Arpaia, L. Gargiulo, N. Moccaldi, M. Nalin, and M. Picciafuoco, “A Critical Note to IEC 80601-19 Standard for EEG Wireless Transducers About Trigger Uncertainty in Event Related Potential Measurement ,” *IEEE Trans Instrum Meas*, vol. PP, p. 1, Jul. 2024, doi: 10.1109/TIM.2024.3497054.
- [16] S. S. Khan, J. S. Sudan, A. Pathak, Pandit, R. P. Rane, and A. K. Kumawat, “A Review of EEG Artifact Removal Methods for Brain Computer Interface Applications, ” Feb. 01, 2024, International Information and Engineering Technology Association. doi: 10.18280/isi.290124.
- [17] G. J. Alves, D. R. Freitas, 89 A. V. M. Inocência, E. L. Cavalcante, M. A. Rodrigues, B. and R. E. de Araujo, Dynamic Artificial Neural “A Network for EEG Patterns Recognition,” in *XXVII Brazilian Congress on Biomedical Engineering*, T. F.

- Bastos Filho, E. M. de Oliveira Caldeira, and A. Frizzera Neto, Cham: Springer Eds., International Publishing, 2022, pp. 1931–1935.
- [18] R. N. Azizah et al., “The 90 Statistical Characteristics of P3a and P3b Subcomponents in Electroencephalography Signals,” in *Artificial Neural Networks and Machine Learning – ICANN 2023*, L. Iliadis, A. Papaleonidas, P. Angelov, and C. Jayne, Eds., Cham: Springer Nature Switzerland, 2023, pp. 210–220.
 - [19] S. E. Baumgartner et al., Short- “The and Long-Term Effects of Digital Media Use on 91 Attention,” in *Handbook of Children and Screens: Digital Media, Development, and Well Being Birth Through from Adolescence*, D. A. Christakis and L. Hale, Eds., Cham: Springer Nature Switzerland, 2025, pp. 31–37. doi: 10.1007/978-3-031-69362-5_5.
 - [20] H. Huang, R. Li, and Zhang, review visual sustained attention: neural mechanisms J. “A of 92 and computational models,” *PeerJ*, vol. 11, p. e15351, 2023, doi: 10.7717/peerj.15351.
 - [21] J. M. Mensen, J. S. Dang, A. J. Stets, and W. S. Helton, “The effects of real-time performance feedback and performance emphasis on the sustained attention to response task (SART),” *Psychol Res*, vol. 86, no. 6, pp. 1972–1979, 2022, doi: 10.1007/s00426-021-01602-6.
 - [22] D. A. Fischer, K. Goel, R. Andrews, C. G. J. van Dun, M. T. Wynn, and M. Röglinger, “Towards interactive event forensics: log Detecting and quantifying timestamp imperfections ,” *Inf Syst*, vol. 109, p. 102039, 2022, doi: <https://doi.org/10.1016/j.is.2022.102039> .
 - [23] R. K. Joshi, K. S. Manu, R. S. Hari, M. Jayachandra, and H. Pandya, “Design, J. Development and Validation of a Portable Visual P300 Event 94 Related Potential Extraction System,” in *BioCAS 2022 - IEEE Biomedical Circuits and Systems Conference: Intelligent Biomedical Systems for a Better Future*, Proceedings, Institute of Electrical and Electronics Engineers Inc., 2022, pp. 409–413. doi: 10.1109/BioCAS54905.2022.9948657.
 - [24] M. Francisco A. Vicencio, F. Góngora Rivera, X. Ortiz Jiménez, and D. Martinez 95 Peon, “Sustained attention variation monitoring through EEG effective connectivity, ” *Biomed Signal Process Control*, vol. 76, 103650, 2022, p. doi: <https://doi.org/10.1016/j.bspc.2022.103650>.

- [25] A. Melnichuk, R. K. Cooper, and L. W. Hawk, "A parametric investigation of binaural beats brain for entrainment and enhancing sustained 96 attention," *Sci Rep*, vol. 15, no. 1, p. 4308, 2025, doi: 10.1038/s415 98-025 88517-z.
- [26] K. Kannen et al., "P300 Modulation via Transcranial Alternating Current Stimulation in Adult Attention Deficit/Hyper activity Disorder: A Crossover Study," *Front Psychiatry*, vol. 13, Jul. 2022, doi: 10.3389/fpsyt .2022.928145 .
- [27] P. Swami et al., "CLET: Computation of Latencies in Event 97 related potential Triggers using photodiode on virtual reality apparatuses," *Front Hum Neurosci*, vol. 17, 2023, doi: 10.3389/fnhu m.2023.1223 774.
- [28] M. Esterman et al., "Characterizing the effects of emotional distraction on sustained attention and subsequent memory: A novel emotional gradual onset continuous performance task," *Behav Res Methods*, vol. 57, Jun. 2025, doi: 10.3758/s13428-025 02641-2.
- [29] S. Hiratsuka, D. Hayasaka, K. Kato, and H. Kadokura, "Identification method of independent components related to artifacts in electroencephalograms," *IEEEJ Transactions on Electrical and Electronic Engineering*, vol. 14, no. 12, pp. 1836–1841, Dec. 2019, doi: 10.1002/tee.23010.
- [30] Y. Peijie and S. U. I. Fenggui, "An improved least squares time frequency analysis," *Geophysical Prospecting for Petroleum*, vol. 59, no. 5, pp. 815–822, 2020, doi: 10.3969/j.issn.1000-1441.2020.05.015.
- [31] D. P. Yedurkar and S. P. Metkar, "Multiresolut ion approach for artifacts removal and localization of seizure onset zone in epileptic EEG signal," *Biomed Signal Process Control*, vol. 57, 101794, 2020, p. doi: 98 <https://doi.org/10.1016/j.bspc.2019.101794>.
- [32] M. Woollacott, A. Shumway Cook, and J. Renesch, "Reflections on extraordinary knowing: Insight into the nature of the mind," *EXPLORE*, vol. 19, no. 4, pp. 500–505, 2023, doi: <https://doi.org/10.1016/j.explore.2022.12.003>.
- [33] V. Diaz and D. Lin, "Neural circuits for coping with social defeat," *Curr Opin Neurobiol*, 99 vol. 60, pp. 99–107, 2020, doi: <https://doi.org/10.1016/j.conb.2019.11.016>.

- [34] H. Bobby, “L’aromathérapie, technique complémentaire en médecine périopératoire,” *Oxymag*, vol. 35, Jun. 2022, doi: 10.1016/j.oxy.2022.02.005.
- [35] K. M. S. Bano, P. Bhuyan, and A. Ray, “EEG-Based Brain Computer Interface for Emotion Recognition,” in *2022 5th International Conference 100 on Computational Intelligence and Networks (CINE)*, 2022, pp. 1–6. doi: 10.1109/CINE56307.2022.10037255.
- [36] K. Gaurav, J. Landge, and T. K. Bollu, R. “Characterizing Neural Activity During Video Game Engagement Using EEG Sensor-Based Topological Dynamics Analysis,” *IEEE Sens Lett*, vol. 8, no. 12, pp. 1–4, 2024, doi: 10.1109/LSENS.2024.3488331. 101
- [37] Y.-T. Hung, Y.-C. Chang, and C.-Y. Cheng, “Irritant Contact Dermatitis Due *Euphorbia milii*: to No Rose Without a Thorn,” *Dermatitis*, vol. 32, no. 6, pp. e103–e104, doi: 2021, 10.1097/DER.0000000000000723.
- [38] C. Karch Susanne and Mulert, “Cognition,” in *EEG - fMRI: Physiological Basis, Technique, and Applications*, L. Mulert Christoph and 102 Lemieux, Ed., Cham: Springer International Publishing, 2022, pp. 591–624. doi: 10.1007/978-3-031-07121-8_24.
- [39] A. Nériss, Rémy B. Facon, and L. Macchi, “Lecture partagée : intérêts, modalités de mise œuvre principes actifs,” in *et Psychologie Française*, 2025, doi: <https://doi.org/10.1016/j.psfr.2024.11.003>.
- [40] Y. Peijie and S. U. I. Fenggui, “An improved least squares time frequency analysis,” *Geophysical Prospecting for Petroleum*, vol. 59, no. 5, pp. 815–822, 2020, doi: 10.3969/j.issn.1000-1441.2020.05.015.
- [41] R. N. Azizah et al., “The Statistical Characteristics of P3a and P3b Subcomponents in Electroencephalography Signals,” in *Artificial Neural Networks and Machine Learning – ICANN 2023*, L. Iliadis, A. Papaleonidas, P. Angelov, and C. Jayne, Eds., Cham: Springer Nature Switzerland, 2023, pp. 210–220.
- [42] N. Amer and S. Brahim Belhaouari, “EEG Signal Processing for Medical Diagnosis, Healthcare, and Monitoring: A Comprehensive Review,” *IEEE Access*, vol. PP, p. 1, Jun. 2023, doi: 10.1109/ACCESS.2023.3341419.

- [43] J. Gomes, A. Oliveira, J. M. Vilela Fonseca, E. Barros, G. Moreno, and W. Dos Santos, “Images as Signals in Motor Imagery,” 2024, pp. 116–131. doi: 10.1201/9781003359418-11.
- [44] C. F. B. Díaz and A. F. R. Olaya, Novel “A Method based on Regularized Logistic Regression and CCA for P300 Detection using Reduced Number a of EEG Trials,” *IEEE America Latin Transactions*, vol. 18, no. 12, pp. 2147–2154, 2020, doi: 10.1109/TLA.2020.9400443.
- [45] T. Lipping and M. Beiramvand, “Assessment of Mental Workload in Real-Life Setup using EEG Synchronization Measures,” in *2024 IEEE International Workshop on 94 Metrology for Industry 4.0 & IoT (MetroInd4.0 & IoT)*, 2024, pp. 412–416. doi: 10.1109/MetroInd4.0IoT61288.2024.10584156.
- [46] R. Nardello, G. Mangano, F. Miceli, A. Fontana, E. Piro, and V. Salpietro, “Benign 107 familial infantile epilepsy associated with KCNQ3 mutation: rare a occurrence or an underestimat ed event?,” *Epileptic Disorders*, vol. 22, pp. 807–810, Jun. 2021, doi: 10.1684/epd.2020.1221.
- [47] T. Harmony, “The functional significance of delta oscillations in cognitive processing,” Dec. 05, 2013. doi: 10.3389/fnint.2013.00083.
- [48] T. Liu, H. Cheng, L. Tian, Y. Zhang, S. Wang, and L. Lin, “Aromatherapy with inhalation can effectively improve the anxiety and depression of cancer patients: A meta-analysis,” *Gen Hosp Psychiatry*, vol. 77, pp. 118–127, 2022, doi: 10.1016/j.genhosppsy.2022.05.004.
- [49] J. Her and M.-K. Cho, “Effect of aromatherapy on sleep quality of adults and elderly people: A systematic literature review and meta-analysis,” *Complement Ther Med*, vol. 60, 2021, doi: 10.1016/j.ctim.2021.102739.