

DAFTAR PUSTAKA

- [1] H. Huang, R. Li, and Zhang, review visual sustained attention: neural mechanisms and J. “A of computationa l 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: 79 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/life1 4030290.
- [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/s250 72259.
- [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/917/1/0 12048.
- [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/fninf2022.861967. .
- [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. 83 25, no. 7, Apr. doi: 2025, 10.3390/s250 72259.
- [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.2020.1114 71.

- [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/ICM 85 SP58539.2023.970904.
- [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 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. Inocêncio, 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. Frizera 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 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. Martínez Peón, “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/s41598-025-88517-z.
- [26] K. Kannen et al., “P300 Modulation via Transcranial Alternating Current Stimulation in Adult Attention Deficit/Hyperactivity Disorder: A Crossover Study,” *Front Psychiatry*, vol. 13, Jul. 2022, doi: 10.3389/fpsyg.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/fnhum.2023.1223774.
- [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,” *IEEJ 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, “Multiresolution 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. Boby, “L’aromathérapie, technique une 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/CIN-E56307.2022.98037255.
- [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/LSEN.2024.3488331.101
- [37] Y.-T. Hung, Y.-C. Chang, and C.-Y. Cheng, “Irritant Contact Dermatitis Due to 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. Néris, Rémy B. Facon, and L. Macchi, “Lecture partagée : intérêts, modalités de mise œuvre principes actifs,” en et Psychologie Française, 2025, doi: <https://doi.org/10.1016/j.psf.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 .2020.940044 3.
- [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.genhosppsych.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.