

DAFTAR PUSTAKA

- [1] M. M. Kenwood, N. H. Kalin, and H. Barbas, “The prefrontal cortex, pathological anxiety, and anxiety disorders,” Jan. 01, 2022, *Springer Nature*. doi: 10.1038/s41386-021-01109-z.
- [2] American Psychiatric Association, *DIAGNOSTIC AND STATISTICAL MANUAL OF DSM-5TM*, 5th ed. Arlington, VA: American Psychiatric Association, 2013.
- [3] J. Noland. W. Saundra. K. Ciccarelli, *Psychology*, 6th ed. United Kingdom: Pearson Education, 2021.
- [4] J. A. Micoulaud-Franchi, C. Jeunet, A. Pelissolo, and T. Ros, “EEG Neurofeedback for anxiety disorders and post-traumatic stress disorders: a blueprint for a promising brain based therapy,” *Curr Psychiatry Rep*, vol. 23, no. 12, p. 83, 2021, doi: 10.1007/s11920-021-01299-9i.
- [5] X.-Q. Liu, Y.-X. Guo, and Y. Xu, “Risk factors and digital interventions for anxiety disorders in college students: Stakeholder perspectives,” *World J Clin Cases*, vol. 11, no. 7, pp. 1442–1457, Mar. 2023, doi: 10.12998/wjcc.v11.i7.1442.
- [6] Wahdi, Amirah Ellyza, Siswanto Agus Wilopo, and Holly Elizabeth Erskine, “The prevalence of adolescent mental disorders in Indonesia: An analysis of Indonesia--National Mental Health Survey (I-NAMHS),” *Journal of Adolescent Health*, vol. 72, 2022.
- [7] A. J. Casson, M. Abdulaal, M. Dulabh, S. Kohli, S. Krachunov, and E. Trimble, “Electroencephalogram,” in *Seamless Healthcare Monitoring*, Cham: Springer International Publishing, 2018, pp. 45–81. doi: 10.1007/978-3-319-69362-0_2.
- [8] H. Hebron *et al.*, “A closed-loop auditory stimulation approach selectively modulates alpha oscillations and sleep onset dynamics in humans,” *PLoS Biol*, vol. 22, no. 6 June, Jun. 2024, doi: 10.1371/journal.pbio.3002651.
- [9] K. Sharma and S. Choudhary, “Effects of music therapy, mantra therapy, and alpha beta binaural beats on human energy fields using RFI technology,” *Int J Biomed Eng Technol*, vol. 44, no. 1, pp. 26–46, 2024, doi: 10.1504/IJBET.2024.136382.
- [10] N. D. Nicoară, P. Marian, A. O. Petriș, C. Delcea, and F. Manole, “A Review of the Role of Cognitive-Behavioral Therapy on Anxiety Disorders of Children and

- Adolescents,” *Pharmacophore*, vol. 14, no. 4, pp. 28–32, 2023, doi: 10.51847/IKULo5pB1T.
- [11] S. Lee *et al.*, “Investigating the effect of mindfulness training for stress management in military training: the relationship between the autonomic nervous system and emotional regulation,” *BMC Psychol*, vol. 13, no. 1, p. 13, Jan. 2025, doi: 10.1186/s40359-024-02322-3.
 - [12] A. M. Kring and S. L. Johnson, *Abnormal Psychology: The Science and Treatment of Psychological Disorder*, 15th ed. Singapore: John Wiley & Sons Singapore, 2022.
 - [13] Y. Deng and X. Wang, “The impact of physical activity on social anxiety among college students: the chain mediating effect of social support and psychological capital,” *Front Psychol*, vol. 15, 2024, doi: 10.3389/fpsyg.2024.1406452.
 - [14] J. Alagarajah, D. Ceccolini, and S. Butler, “Digital Mental Health Interventions for Treating Mental Disorders in Young People Based in Low- and Middle-Income Countries: A Systematic Review of The Literature,” *Cambridge Prisms: Global Mental Health*, pp. 1–36, Aug. 2024, doi: 10.1017/gmh.2024.71.
 - [15] K. E. Zentner, H. Lee, B. S. Dueck, and T. Masuda, “Cultural and gender differences in social anxiety: The mediating role of self-construals and gender role identification,” *Current Psychology*, vol. 42, no. 25, pp. 21363–21374, Sep. 2023, doi: 10.1007/s12144-022-03116-9.
 - [16] N. F. Praherso, H. Pols, and N. Tiliopoulos, “Mental health literacy of Indonesian health practitioners and implications for mental health system development,” *Asian J Psychiatr*, vol. 54, p. 102168, Dec. 2020, doi: 10.1016/j.ajp.2020.102168.
 - [17] Z. Wang *et al.*, “Personalized State Anxiety Detection: An Empirical Study with Linguistic Biomarkers and A Machine Learning Pipeline,” in *2023 45th Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC)*, IEEE, Jul. 2023, pp. 1–6. doi: 10.1109/EMBC40787.2023.10341015.
 - [18] A. A. G. Saged *et al.*, “The f an Islamic-Based Intervention on Depression and Anxiety in Malaysia,” *J Relig Health*, vol. 61, no. 1, pp. 79–92, Feb. 2022, doi: 10.1007/s10943-021-01484-3.
 - [19] R. G. Etkin, C. E. Marin, W. K. Silverman, and E. R. Lebowitz, “Youth social functioning interacts with treatment arm, diagnosis, and gender to predict anxiety

- treatment outcome,” *Behaviour Research and Therapy*, vol. 156, p. 104160, Sep. 2022, doi: 10.1016/j.brat.2022.104160.
- [20] A. W. Keizer, “Standardization and Personalized Medicine Using Quantitative EEG in Clinical Settings,” *Clin EEG Neurosci*, vol. 52, no. 2, pp. 82–89, Apr. 2021, doi: 10.1177/1550059419874945.
- [21] H. Marzbani, H. Marateb, and M. Mansourian, “Methodological Note: Neurofeedback: A Comprehensive Review on System Design, Methodology and Clinical Applications,” *Basic and Clinical Neuroscience Journal*, vol. 7, no. 2, 2016, doi: 10.15412/J.BCN.03070208.
- [22] V. Rakhshan, P. Hassani-Abharian, M. Joghataei, M. Nasehi, and R. Khosrowabadi, “Effects of the Alpha, Beta, and Gamma Binaural Beat Brain Stimulation and Short-Term Training on Simultaneously Assessed Visuospatial and Verbal Working Memories, Signal Detection Measures, Response Times, and Intrasubject Response Time Variabilities: A Within-Subject Randomized Placebo-Controlled Clinical Trial,” *Biomed Res Int*, vol. 2022, 2022, doi: 10.1155/2022/8588272.
- [23] H. Marzbani, H. R. Marateb, and M. Mansourian, “Methodological note: Neurofeedback: A comprehensive review on system design, methodology and clinical applications,” *Basic Clin Neurosci*, vol. 7, no. 2, pp. 143–158, Mar. 2016, doi: 10.15412/j.bcn.03070208.
- [24] A. Hyvärinen and E. Oja, “Independent component analysis: algorithms and applications,” *Neural Networks*, vol. 13, no. 4–5, pp. 411–430, Jun. 2000, doi: 10.1016/S0893-6080(00)00026-5.
- [25] W. Yan, B. He, J. Zhao, Y. Wu, C. Du, and G. Xu, “Frequency Domain Filtering Method for SSVEP-EEG Preprocessing,” *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, vol. 31, pp. 2079–2089, 2023, doi: 10.1109/TNSRE.2023.3266488.
- [26] R. K. Das, A. Martin, T. Zuraes, D. Dowling, and A. Khan, “A Survey on EEG Data Analysis Software,” *Sci*, vol. 5, no. 2, p. 23, Jun. 2023, doi: 10.3390/sci5020023.
- [27] Paul Horowitz and Winfield Hill, *The Art of Electronics*, 3rd ed. New York: Cambridge University Press, 2015.

- [28] S. Suwanto, M. H. Bisri, D. C. R. Novitasari, and A. H. Asyhar, "Classification of EEG Signals using Fast Fourier Transform (FFT) and Adaptive Neuro Fuzzy Inference System (ANFIS)," *Jurnal Matematika "MANTIK,"* vol. 5, no. 1, pp. 35–44, May 2019, doi: 10.15642/mantik.2019.5.1.35-44.
- [29] A. Chaddad, Y. Wu, R. Kateb, and A. Bouridane, "Electroencephalography Signal Processing: A Comprehensive Review and Analysis of Methods and Techniques," Jul. 01, 2023, *Multidisciplinary Digital Publishing Institute (MDPI)*. doi: 10.3390/s23146434.
- [30] M. P. Hosseini, A. Hosseini, and K. Ahi, "A Review on Machine Learning for EEG Signal Processing in Bioengineering," *IEEE Rev Biomed Eng*, vol. 14, pp. 204–218, 2021, doi: 10.1109/RBME.2020.2969915.
- [31] Z.-B. Liu *et al.*, "Short-term efficacy of music therapy combined with α binaural beat therapy in disorders of consciousness," *Front Psychol*, vol. 13, Sep. 2022, doi: 10.3389/fpsyg.2022.947861.
- [32] T. Makada, D. Ozair, M. Mohammed, and C. Abellanoza, "Enhancing Memory Retention by Increasing Alpha and Decreasing Beta Brainwaves using Music," in *Proceedings of the 9th ACM International Conference on Pervasive Technologies Related to Assistive Environments*, New York, NY, USA: ACM, Jun. 2016, pp. 1–4. doi: 10.1145/2910674.2935851.
- [33] Z. B. Liu *et al.*, "Short-term efficacy of music therapy combined with α binaural beat therapy in disorders of consciousness," *Front Psychol*, vol. 13, Sep. 2022, doi: 10.3389/fpsyg.2022.947861.
- [34] T. Makada, D. Ozair, M. Mohammed, and C. Abellanoza, "Enhancing memory retention by increasing alpha and decreasing beta brainwaves using music," in *ACM International Conference Proceeding Series*, Association for Computing Machinery, Jun. 2016. doi: 10.1145/2910674.2935851.