

DAFTAR PUSTAKA

- Al Dujaili, M. J., Ebrahimi-Moghadam, A., & Fatlawi, A. (2021). Speech emotion recognition based on SVM and KNN classifications fusion. *International Journal of Electrical and Computer Engineering*, 11(2), 1259–1264. <https://doi.org/10.11591/ijece.v11i2.pp1259-1264>
- Alonso-Vázquez, D., Mendoza-Montoya, O., Caraza, R., Martinez, H. R., & Antelis, J. M. (2023). EEG-Based Classification of Spoken Words Using Machine Learning Approaches. *Computation*, 11(11). <https://doi.org/10.3390/computation11110225>
- Antara, H., Sosial, D., Spiritualitas, D., Kualitas, D., Pada, H., Bisu -Tuli, P., Surakarta, S.-K., Alfendra, R. R., Hidayati, F., & Setyanto, A. T. (2021). The Correlation Between Social Support and Spirituality with Quality of Life for the Deaf-Mute in Surakarta Residency. *Jurnal Ilmiah Psikologi Candrajiwa*, 6(2), 95–103. <https://jurnal.uns.ac.id/candrajiwa>
- Ary Setiawan, P., Agung, C., & Agung Bayupati, I. P. (2014). *Balinese Alphabet Sebagai Aplikasi Media Pembelajaran Aksara Bali Berbasis Android Mobile Platform*.
- Azmi, K., Defit, S., & Putra Indonesia YPTK Padang Jl Raya Lubuk Begalung-Padang-Sumatera Barat, U. (2023). *Implementasi Convolutional Neural Network (CNN) Untuk Klasifikasi Batik Tanah Liat Sumatera Barat*. 16(1), 2023.
- Cooney, C., Folli, R., & Coyle, D. (2019). *Optimizing Layers Improves CNN Generalization and Transfer Learning for Imagined Speech Decoding from EEG*. IEEE.
- Cooney, C., Korik, A., Folli, R., & Coyle, D. (2020). Evaluation of hyperparameter optimization in machine and deep learning methods for decoding imagined speech eeg. *Sensors (Switzerland)*, 20(16), 1–22. <https://doi.org/10.3390/s20164629>
- Crell, M. R., & Müller-Putz, G. R. (2024). *Towards EEG-to-Text: Handwritten Character Classification via Continuous Kinematic Decoding*. <https://doi.org/10.1101/2024.04.26.591369>
- González-Castañeda, E. F., Torres-García, A. A., Reyes-García, C. A., & Villaseñor-Pineda, L. (2017). Sonification and textification: Proposing methods for classifying unspoken words from EEG signals. *Biomedical Signal Processing and Control*, 37, 82–91. <https://doi.org/10.1016/j.bspc.2016.10.012>

- Hussein, A., Watanabe, S., & Ali, A. (2022). Arabic speech recognition by end-to-end, modular systems and human. *Computer Speech and Language*, 71. <https://doi.org/10.1016/j.csl.2021.101272>
- Kamble, A., Ghare, P. H., & Kumar, V. (2023). Deep-Learning-Based BCI for Automatic Imagined Speech Recognition Using SPWVD. *IEEE Transactions on Instrumentation and Measurement*, 72. <https://doi.org/10.1109/TIM.2022.3216673>
- Lee, D. Y., Lee, M., & Lee, S. W. (2021). Decoding Imagined Speech Based on Deep Metric Learning for Intuitive BCI Communication. *IEEE Transactions on Neural Systems and Rehabilitation Engineering : A Publication of the IEEE Engineering in Medicine and Biology Society*, 29, 1363–1374. <https://doi.org/10.1109/TNSRE.2021.3096874>
- Li, C., Wang, H., Liu, Y., Zhu, X., & Song, L. (2024). Silent EEG classification using cross-fusion adaptive graph convolution network for multilingual neurolinguistic signal decoding. *Biomedical Signal Processing and Control*, 87. <https://doi.org/10.1016/j.bspc.2023.105524>
- Lopez-Bernal, D., Balderas, D., Ponce, P., & Molina, A. (2022). A State-of-the-Art Review of EEG-Based Imagined Speech Decoding. In *Frontiers in Human Neuroscience* (Vol. 16). Frontiers Media S.A. <https://doi.org/10.3389/fnhum.2022.867281>
- Martin, S., Brunner, P., Iturrate, I., Del Millán, J. R., Schalk, G., Knight, R. T., & Pasley, B. N. (2016). Word pair classification during imagined speech using direct brain recordings. *Scientific Reports*, 6. <https://doi.org/10.1038/srep25803>
- Matsumoto, M., & Hori, J. (2014). Classification of silent speech using support vector machine and relevance vector machine. *Applied Soft Computing Journal*, 20, 95–102. <https://doi.org/10.1016/j.asoc.2013.10.023>
- Moon, S.-E., Jang, S., & Lee, J.-S. (2018). Convolutional Neural Network Approach for Eeg-Based Emotion Recognition Using Brain Connectivity and its Spatial Information. *2018 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, 2556–2560. <https://doi.org/10.1109/ICASSP.2018.8461315>
- Nguyen, C. H., Karavas, G. K., & Artemiadis, P. (2018). Inferring imagined speech using EEG signals: A new approach using Riemannian manifold features. *Journal of Neural Engineering*, 15(1). <https://doi.org/10.1088/1741-2552/aa8235>

- Nidhra, S. (2012). Black Box and White Box Testing Techniques - A Literature Review. *International Journal of Embedded Systems and Applications*, 2(2), 29–50. <https://doi.org/10.5121/ijesa.2012.2204>
- Rakshit, A., Khasnobish, A., & Tibarewala, D. N. (2016). A Naïve Bayesian approach to lower limb classification from EEG signals. *2016 2nd International Conference on Control, Instrumentation, Energy and Communication, CIEC 2016*, 140–144. <https://doi.org/10.1109/CIEC.2016.7513812>
- Shrivastava, A., Jaggi, I., Katoch, N., Gupta, D., & Gupta, S. (2021). A Systematic Review on Extreme Programming. *Journal of Physics: Conference Series*, 1969(1). <https://doi.org/10.1088/1742-6596/1969/1/012046>
- Simarmata, J., & Turnip, M. (2014). *DENOISING ARTEFAK PADA SINYAL ELEKTROENSEFALOGRAM (EEG) MENGGUNAKAN FIR FILTER DENGAN METODE TRANSFORMASI WAVELET*. https://www.researchgate.net/publication/320184064_DENOISING_ARTEFAK_PADA_SINYAL_ELEKTROENSEFALOGRAM_EEG_MENGGUNAKAN_FIR_FILTER_DENGAN_METODE_TRANSFORMASI_WAVELET
- Subha, D. P., Joseph, P. K., Acharya U, R., & Lim, C. M. (2010). EEG signal analysis: a survey. *Journal of Medical Systems*, 34(2), 195–212. <https://doi.org/10.1007/s10916-008-9231-z>
- Sudarma, M., Ariyani, S., & Artana, M. (2016). Balinese script's character reconstruction using linear discriminant analysis. *Indonesian Journal of Electrical Engineering and Computer Science*, 4(2), 479–485. <https://doi.org/10.11591/ijeecs.v4.i2.pp479-485>
- Sukma Wijaya, K. A., & Widayastuti, W. (2022). Recognition of Balinese Letters with Convolutional Neural Network. *AIP Conference Proceedings*, 2542. <https://doi.org/10.1063/5.0103942>
- Sukreni Riawati, K., Paramarta, K., & Sukma Wirani, I. A. (2021). Kemampuan Memetakkan Bentuk Aksara Bali Ke Huruf Latin Siswa Kelas 4 Dan 5 Sd Negri 2 Kalibukbuk. *Jurnal Pendidikan Bahasa Bali Undiksha*, 8(1), 12–21. <https://doi.org/10.23887/JPBB.V8I1.40811>
- Torres-Ramos, S., Fajardo-Robledo, N. S., Pérez-Carrillo, L. A., Castillo-Cruz, C., Retamoza-Vega, P. D. R., Rodríguez-Betancourt, V. M., & Neri-Cortés, C. (2021). Mentors as female role models in stem disciplines and their benefits. *Sustainability (Switzerland)*, 13(23). <https://doi.org/10.3390/su132312938>

- Wirawan, I. M. A., & Paramarta, K. (2024). BISE Dataset-Balinese Script for Imaginary Spelling using Electroencephalogram Signals. *Mendeley*.
- Wirawan, I. M. A., & Paramarta, K. (2025). Acquisition Of Balinese Imagined Spelling using Electroencephalogram (BISE) Dataset. *Data in Brief*, 60, 111454. <https://doi.org/10.1016/J.DIB.2025.111454>
- Wirawan, I. M. A., Wardoyo, R., Lelono, D., & Kusrohmaniah, S. (2023a). Continuous Capsule Network Method for Improving Electroencephalogram-Based Emotion Recognition. *Emerging Science Journal*, 7(1), 116–134. <https://doi.org/10.28991/ESJ-2023-07-01-09>
- Wirawan, I. M. A., Wardoyo, R., Lelono, D., & Kusrohmaniah, S. (2023b). Continuous Capsule Network Method for Improving Electroencephalogram-Based Emotion Recognition. *Emerging Science Journal*, 7(1), 116–134. <https://doi.org/10.28991/ESJ-2023-07-01-09>
- Wirawan, I. M. A., Wardoyo, R., Lelono, D., Kusrohmaniah, S., & Asrori, S. (2021). Comparison of Baseline Reduction Methods for Emotion Recognition Based on Electroencephalogram Signals. *2021 6th International Conference on Informatics and Computing, ICIC 2021*. <https://doi.org/10.1109/ICIC54025.2021.9632948>
- Wu, J. (2017). *Introduction to Convolutional Neural Networks*.
- Yang, Y., Wu, Q., Fu, Y., & Chen, X. (2018). Continuous convolutional neural network with 3D input for EEG-based emotion recognition. *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 11307 LNCS, 433–443. https://doi.org/10.1007/978-3-030-04239-4_39