

DAFTAR PUSTAKA

- [1] Cancer Support Community, “Understanding Brain Tumors,” in *FRANKLY SPEAKING ABOUT CANCER: BRAIN TUMORS*, 2019, p. 7.
- [2] Cancer.Net, “Brain Tumor: Statistics,” 2020, 2020. [Online]. Available: <https://www.cancer.net/cancer-types/brain-tumor/statistics#:~:text=This year%2C an estimated 23%2C890,lifetime is less than 1%25.> [Accessed: 21-Dec-2020].
- [3] A. S. Febrianti, T. A. Sardjono, and A. F. Babgei, “Klasifikasi Tumor Otak pada Citra Magnetic Resonance Image dengan Menggunakan Metode Support Vector Machine,” *J. Tek. ITS*, vol. 9, no. 1, 2020.
- [4] G. Litjens *et al.*, “A survey on deep learning in medical image analysis,” *Med. Image Anal.*, vol. 42, no. December 2012, pp. 60–88, 2017.
- [5] Z. Akkus, A. Galimzianova, A. Hoogi, D. L. Rubin, and B. J. Erickson, “Deep Learning for Brain MRI Segmentation: State of the Art and Future Directions,” *J. Digit. Imaging*, vol. 30, pp. 449–459, 2017.
- [6] T. A. Jemimma and Y. J. Vetharaj, “Watershed Algorithm based DAPP features for Brain Tumor Segmentation and Classification,” in *2018 International Conference on Smart Systems and Inventive Technology (ICSSIT)*, 2018, pp. 155–158.
- [7] M. M. Badža and M. Ć. Barjaktarovi’, “Classification of Brain Tumors from MRI Images Using a Convolutional Neural Network,” *Appl. Sci.*, vol. 10, no. 6, 2020.
- [8] J. Cheng, “Brain Tumor Dataset,” *Enhanced Performance of Brain Tumor Classification via Tumor Region Augmentation and Partition*, 2015. [Online]. Available: [https://figshare.com/articles/dataset/brain_tumor_dataset/1512427/5.](https://figshare.com/articles/dataset/brain_tumor_dataset/1512427/5) [Accessed: 15-Jan-2021].
- [9] S. A. A. Ismael, A. Mohammed, and H. Hefny, “An Enhanced Deep Learning Approach for Brain Cancer MRI Images Classification using Residual

- Networks,” *Artif. Intell. Med.*, vol. 102, p. 101779, 2020.
- [10] M. A. Khan *et al.*, “Multimodal Brain Tumor Classification Using Deep Learning and Robust Feature Selection : A Machine Learning Application for Radiologists,” *Diagnostics*, vol. 10, no. 5, pp. 1–19, 2020.
- [11] R. Hashemzahi, S. Javad, S. Mahdavi, M. Kheirabadi, and S. R. Kamel, “Detection of brain tumors from MRI images base on deep learning using hybrid model CNN and NADE,” *Biocybern. Biomed. Eng.*, vol. 40, no. 3, pp. 1225–1232, 2020.
- [12] A. Ari and D. Hanbay, “Deep learning based brain tumor classification and detection system,” *Turkish J. Electr. Eng. Comput. Sci.*, vol. 26, pp. 2275–2286, 2018.
- [13] R. K. Kwan, A. C. Evans, and G. B. Pike, “MRI Simulation-Based Evaluation of Image-Processing and Classification Methods,” *IEEE Trans. Med. Imaging*, vol. 18, no. 11, pp. 1085–1097, 1999.
- [14] R. C. Suganthe, G. Revathi, S. Monisha, and R. Pavithran, “Deep Learning Based Brain Tumor Classification Using Magnetic Resonance Imaging,” *J. Crit. Rev.*, vol. 7, no. 9, pp. 347–350, 2020.
- [15] Imperial College London, “Dataset IXI.” [Online]. Available: <https://brain-development.org/ixi-dataset/>. [Accessed: 16-Jan-2021].
- [16] R. Hao, K. Namdar, L. Liu, and F. Khalvati, “A Transfer Learning Based Active Learning Framework for Brain Tumor Classification,” *Electr. Eng. Syst. Sci.*, pp. 1–19, 2020.
- [17] W. Wu, D. Li, J. Du, X. Gao, W. Gu, and F. Zhao, “An Intelligent Diagnosis Method of Brain MRI Tumor Segmentation Using Deep Convolutional Neural Network and SVM Algorithm,” in *Computational and Mathematical Methods in Medicine*, 2020, vol. 2020.
- [18] P. Saxena and I. Technology, “Predictive modeling of brain tumor : A Deep learning approach,” in *Innovations in Computational Intelligence and Computer Vision*, 2020, pp. 275–285.
- [19] J. Djhonson, “Brain MRI Images for Brain Tumor Detection,” 2020. [Online]. Available: <https://www.kaggle.com/jjprotube/brain-mri-images-for-brain->

tumor-detection. [Accessed: 13-Dec-2020].

- [20] A. Çinar and M. Yildirim, “Detection of tumors on brain MRI images using the hybrid convolutional neural network architecture,” *Med. Hypotheses*, vol. 139, no. February, 2020.
- [21] M. Mahmud, M. S. Kaiser, A. Hussain, and S. Vassanelli, “Applications of Deep Learning and Reinforcement Learning to Biological Data,” *IEEE Trans. Neural Networks Learn. Syst.*, vol. 29, no. 6, pp. 2063–2079, 2018.
- [22] X. Zhao and X. Zhao, “Deep learning of brain magnetic resonance images : A brief review,” *Methods*, 2020.
- [23] N. Kumari and L. Gray, “Review of Brain Tumor Segmentation and Classification,” *2018 Int. Conf. Curr. Trends Towar. Converging Technol.*, pp. 1–6, 2018.
- [24] K. Fukushima, “Neocognitron: A Self-organizing Neural Network Model for a Mechanism of Pattern Recognition Unaffected by Shift in Position,” *Biol. Cybern.*, vol. 36, pp. 193–202, 1980.
- [25] D. H. Hubel and T. N. Wiesel, “Receptive fields and functional architecture of monkey striate cortex,” *J. Physiol.*, vol. 195, pp. 215–243, 1968.
- [26] K. R. Babu, U. S. Deepthi, A. S. Madhuri, P. S. Prasad, and S. Shameem, “Comparative Analysis Of Brain Tumor Detection Using Deep Learning Methods,” *Int. J. Sci. Technol. Res.*, vol. 8, no. 12, pp. 250–254, 2019.
- [27] Y. Zhou *et al.*, “Holistic Brain Tumor Screening and Classification Based on DenseNet and Recurrent Neural Network,” in *International MICCAI Brainlesion Workshop*, 2018, pp. 208–217.
- [28] S. J. Pan and Q. Yang, “A Survey on Transfer Learning,” *IEEE Trans. Knowl. Data Eng.*, vol. 22, no. 10, pp. 1345–1359, 2010.
- [29] K. He, X. Zhang, S. Ren, and J. Sun, “Deep Residual Learning for Image Recognition,” in *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2016, pp. 770–778.
- [30] K. H. B, X. Zhang, S. Ren, and J. Sun, “Identity Mappings in Deep Residual Networks,” in *European Conference on Computer Vision*, 2016, pp. 630–645.

- [31] P. Nordbeck, G. Ertl, and O. Ritter, "Clinical update Magnetic resonance imaging safety in pacemaker and implantable cardioverter defibrillator patients : how far have we come ?," *Eur. Heart J.*, vol. 36, no. 24, pp. 1505–1511, 2015.
- [32] C. Westbrook, C. K. Roth, and J. Talbot, *MRI in Practice*, 4th ed. Wiley-Blackwell, 2011.
- [33] C. Westbrook and C. Kaut, *MRI in Practice*, 2nd ed. Wiley-Blackwell, 1998.
- [34] A. Musthofa, "Peningkatan akurasi pengenalan karakter menggunakan modifikasi cnn berupa pengurangan ukuran grid secara efisien pada anpr halaman judul," Universitas Gadjah Mada, 2020.
- [35] S. Kusumadewi, *Membangun Jaringan Syaraf Tiruan (Menggunakan MATLAB & Excel Link)*, Pertama. Yogyakarta: Graha Ilmu, 2004.
- [36] H. Li and C. Shen, "Reading Car License Plates Using Deep Convolutional Neural Networks and LSTMs," in *Computer Vision and Pattern Recognition*, 2016.
- [37] I. A. Basheer and M. Hajmeer, "Artificial neural networks : fundamentals , computing , design , and application," *J. Microbiol. Methods*, vol. 43, no. 1, pp. 3–31, 2000.
- [38] Y. Lecun, Y. Bengio, and G. Hinton, "Deep learning," *Nature*, vol. 521, no. 7553, pp. 436–444, 2015.
- [39] Y. R. Tabar and U. Halici, "A novel deep learning approach for classification of EEG motor imagery signals," *J. Neural Eng.*, vol. 14, no. 1, p. 16003, 2017.
- [40] Mathworks, "Introducing Deep Learning with Matlab." [Online]. Available: <https://www.mathworks.com/campaigns/products/offer/deeplearning-with-matlab.html>. [Accessed: 18-Oct-2018].
- [41] K. Simonyan and A. Zisserman, "Very Deep Convolutional Networks For Large-Scale Image Recognition," in *International Conference on Learning Representations*, 2015, pp. 1–14.
- [42] C. Szegedy, S. Reed, P. Sermanet, V. Vanhoucke, and A. Rabinovich, "Going deeper with convolutions," in *IEEE Conference on Computer Vision and*

- Pattern Recognition (CVPR)*, 2015, pp. 1–9.
- [43] H. Daum and D. Marcu, “Domain Adaptation for Statistical Classifiers,” *J. Artif. Intell. Res.*, vol. 26, pp. 101–126, 2006.
 - [44] B. Zadrozny, “Learning and Evaluating Classifiers under Sample Selection Bias,” in *ICML '04: Proceedings of the twenty-first international conference on Machine learning*, 2004.
 - [45] H. Shimodaira, “Improving predictive inference under covariate shift by weighting the log-likelihood function,” *J. Stat. Plan. Inference*, vol. 90, no. 2, pp. 227–244, 2000.
 - [46] W. Da, Q. Yang, G.-R. Xue, and Y. Yu, “Self-taught Clustering,” in *25th Int’l Conf. Machine Learning*, 2008, pp. 200–207.
 - [47] Z. Wang, Y. Song, and C. Zhang, “Transferred Dimensionality Reduction,” in *Joint European Conference on Machine Learning and Knowledge Discovery in Databases*, 2008, pp. 550–565.
 - [48] Anggit Ferdita Nugraha, “Peningkatan Kinerja Klasifikasi Isyarat Electroencepalograph (Eeg) Menggunakan Kombinasi Algoritme Multivariate Empirical Mode Decomposition (Memd) Dan Short Time Fourier Transform (Stft),” Universitas Gadjah Mada, 2018.
 - [49] E. Prasetyo, *Data Mining: Konsep dan Aplikasi menggunakan Matlab*. Yogyakarta: Andi, 2012.
 - [50] M. Sokolova and G. Lapalme, “A systematic analysis of performance measures for classification tasks,” *Inf. Process. Manag.*, vol. 45, no. 4, pp. 427–437, 2009.
 - [51] H. G. Gauch, “Winning the Accuracy Game,” *Am. Sci.*, vol. 94, no. 2, p. 133, 2006.