DAFTAR PUSTAKA

Adrian, K., Des. 2017. **MRI Dapat Membantu Identifikasi Penyakit**. <URL:https://www.alodokter.com/mri-dapat-membantu-identifikasi-penyakit>.

Ananda, R., Firdaus, M., Andriani,R., Aninditha, T., Munandar, A., Tadjoedin, H., Susanto, E., Annisa, Siti., Indriani Bakti, K., Lovitha, F., Witjaksono, F., Ratna, N., Indriani, L., Mar. 2017. **Panduan Penatalaksanaan Tumor Otak**. <URL:http://kanker.kemkes.go.id/guidelines/PPKOtak.pdf/>

Budi. Mar. 2010. **Algoritma Jaringan Syaraf Tiruan Propagasi Balik (Artificial Neural Networks Backpropagation)**. <URL:https://statistikakomputasi.wordpress.com/2010/03/27/algoritma-jaringan-syaraf-tiruan-propagasi-balik-artificial-neural-networks-backpropagation/>

Chakrabarty, N., Apr. 2019. **Brain MRI Images for Brain Tumor Detection**. <URL:https://www.kaggle.com/navoneel/brain-mri-images-for-brain-tumor-detection>

Codeacademy. **Normalization**. <URL:https://www.codecademy.com/articles/normalization>

Fadila, I., Nov. (2020). **Tumor Otak : Gejala, Penyebab, dan Pengobatan**, <URL:https://hellosehat.com/kanker/kanker-otak/tumor-otak/>.

Fukushima, K., 2019. "Recent advances in the deep CNN neocognitron". **Nonlinear Theory and Its Applications, IEICE** 10. 304-321.

Guang-Bin, H., Qin-Yu Z., dan Chee-Kheong, S., 2006. "Extreme learning machine: Theory and applications". **Neurocomputing** 70, 1:489 - 501.

Guo, L., dan Ding, S., 2015. "A hybrid deep learning CNN-ELM model and its application in handwritten numeral recognition". **Journal of Computational Information Systems** 11.

Hanlon, J., 2016. **Why is so Much Memory Needed for Deep Neural Networks?**. <URL:https://www.graphcore.ai/posts/why-is-so-much-memory-needed-for-deep-neural-networks>

Hermawati, A. 2013. **Konsep dan Teori Pengolahan Citra Digital**. Yogyakarta: Andi.

Intermedia, B. Apr. 2020. **Mengenal Saas, Paas, dan Iaas dalam Cloud Computing**. <URL:https://www.jagoanhosting.com/blog/mengenal-saas-paas-dan-iaas/>

Kannojia, S., dan Jaiswal, G., 2018. "Ensemble of Hybrid CNN-ELM Model for Image Classification". **2018 5th International Conference on Signal Processing and Integrated Networks (SPIN)**.

Khalajzadeh, H., Mansouri, M., dan Teshnehlab, M., 2012. "Persian signature verification using convolutional neural networks". **International Journal of Engineering Research and Technology** 1.

Lecun, Y., Bottou, L., Bengio, Y., and Haffner, P., Nov. 1998. "Gradient-based learning applied to document recognition". **Proceedings of the IEEE** 86. 11:2278-2324.

Mikołajczyk, A., dan Grochowski, M., 2018. "Data augmentation for improving deep learning in image classification problem". **2018 International Interdisciplinary PhD Workshop (IIPhDW)**. 117-122.

Mingxing, D., Kenli, L., Canqun, Y., Keqin, L., 2018 "A Hybrid Deep Learning CNN–ELM for Age and Gender Classification". **Neurocomputing** 275. 448–461.

Mohsen, H., El-Dahshan, A., El-Horbaty, M., dan Salem, M., 2017. "Classification using deep learning neural networks for brain tumors". **Future Computing and Informatics Journal**.

Pal, K., dan Sudeep, K., 2016. "Preprocessing for image classification by convolutional neural networks". **2016 IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT)**. 1778-1781.

Pamungkas, A., Juli. 2017. **Pengolahan Citra Digital**. <URL:https://pemrograma nmatlab.com/2017/07/26/pengolahan-citra-digital/>

Pashaei, A., Sajedi, H., dan Jazayeri, N., 2018. "Brain Tumor Classification via

Convolutional Neural Network and Extreme Learning Machines". **2018 8th International Conference on Computer and Knowledge Engineering (ICCKE)**.

Peng, W., Xiaomin, Z., dan Yan, H., 2019. "A Method Combining CNN and ELM for Feature Extraction and Classification of SAR Image." **Journal of Sensors Hindawi** 2019, 6134610.

Powers, David, dan Ailab. 2011. "Evaluation: From precision, recall, and F-measure to ROC, informedness, markedness & correlation". **Journal of Machine Learning Technologies**.

Psichogios, D., dan Ungar, L., 1992. "A hybrid neural network-first principles approach to process modeling". **AIChE Journal** 38, 10:1499-1511.

Rakhman, R., Tri, F., dan Nugroho, B., 2020. "Implementasi Metode *Extreme Learning Machine* untuk Klasifikasi Tumor Otak pada Citra *Magnetic Resonance Imaging*". **Seminar Nasional Informatika Bela Negara**.

Ribeiro, M., Grolinger, K., dan Miriam, C., 2015. "MLaaS: Machine Learning as a Service". **The IEEE International Conference on Machine Learning and Applications**.

Riley, R., Murphy, J., dan Higgins, T., Jan. 2018. "MRI imaging in pediatric appendicitis,". **Journal of Pediatric Surgery Case Reports** 31:88–89.

Rimol, M., Mar. 2020. **Understand 3 Key Types of Machine Learning**. <URL:https://gartner.com/smarterwithgartner/understand-3-key-types-of-machine-learning/>

Rosenblatt, F., 1958. "The perceptron: a probabilistic model for information storage and organization in the brain". **Psychological review** 65. 6:386-408.

Roy, P., Okt. 2019. **13 Examples of Machine Learning Applications in Real World**, <URL:https://learning.naukri.com/articles/13-examples-of-machine-learning-applications-in-real-world/>.

Simonyan, Karen, dan Andrew Z., 2014 "Very deep convolutional networks for large scale image recognition." **arXiv preprint** 1409.1556.

Sharma, J., Ole-Christoffer, G., dan Morten, G., 2018. "Deep CNN-ELM Hybrid

Models for Fire Detection in Images". **27th International Conference on Artificial Neural Networks** III.

Shabrina, A., Arief, T., Fuady, A., 2020. "Klasifikasi Tumor Otak pada Citra Magnetic Resonance Image dengan Menggunakan Metode Support Vector Machine". **Jurnal Teknik ITS** 9. 1:2301-9271

Strokeforum. **Imaging in Stroke**. <URL:https://www.strokeforum.com/acute-stroke-management/imaging-in-stroke>.

Surya, M., Des. 2019. **The Decade of Artificial Intelligence**, <URL:https://towardsdatascience.com/the-decade-of-artificial-intelligence-6fcaf2fae473>.

Suta, I., Hartati, R., dan Divayana, Y., Juni. 2019. "Diagnosa Tumor Otak Berdasarkan Citra MRI (*Magnetic Resonance Imaging*)". **Majalah Ilmiah Teknologi Elektro Universitas Udayana** 18, 2:149--153.

Tai, E., Agu. 2019. **Perceptron Algorithms for Linear Classification**. <URL:https://towardsdatascience.com/perceptron-algorithms-for-linear-classification-e1bb3dcc7602>.

Turing, A., 1950. "Computing Machinery and Intelligence". **Mind** 59. 236:433-460.

Turing, A., 1995. "Lecture to the London Mathematical Society on 20 February 1947". **MD Comput** 390-7. PMID: 7564963.

Veen, F., Sept. (2016). **The Neural Network Zoo**, <URL:https://www.asimovinstitute.org/neural-network-zoo/>

Watt, J., 2020. **Fully Connected Neural Networks**. <URL:https://jermwatt.github.io/machine_learning_refined/notes/13_Multilayer_perceptrons/13_2_Multi_layer_perceptrons.html>

Willy, T., Mei. 2019. **Tumor Otak**. <URL:https://www.alodokter.com/tumor-otak>

Wikipedia. Okt. 2019. **Hybrid Algorithm**. <URL:https://en.wikipedia.org/wiki/Hybrid_algorithm>

Wikipedia. Apr. 2020. **Metode Ensemble**. <URL:https://id.wikipedia.org/wiki/Me

tode_ensemble>

Yu, J., Chen, J., Xiang, Q., dan Zou, Y., 2015. "A hybrid convolutional neural networks with extreme learning machine for WCE image classification". **IEEE International Conference on Robotics and Biomimetics (ROBIO)**. 1822-1827

You, Z., Li, S., Gao, X., Luo, X., Ji, Z., 2014. "Large-Scale Protein-Protein Interactions Detection by Integrating Big Biosensing Data with Computational Model". **Hindawi Publishing Corporation BioMed Research International** 598129

Zhou, S., dan Tan, B., 2019. "Electrocardiogram soft computing using hybrid deep learning CNN-ELM". **Applied Soft Computing** 86.

Zhou, V., Nov. 2019. **CNNs, Part 1: An Introduction to Convolutional Neural Networks**. <URL:https://victorzhou.com/blog/intro-to-cnns-part-1/>

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