

## DAFTAR PUSTAKA

- [1] "Kamus Sibi," kemdikbud, 30 12 2020. [Online]. Available: <https://pmpk.kemdikbud.go.id/sibi/>. [Accessed 10 10 2021].
- [2] F. Chollet, Deep Learning with Python, Manning, 2017.
- [3] "Difference between ANN, CNN and RNN," GeeksforGeeks, 17 7 2020. [Online]. Available: <https://www.geeksforgeeks.org/difference-between-ann-cnn-and-rnn/>. [Accessed 9 9 2021].
- [4] "Transfer Learning," MathWorks, Inc, [Online]. Available: <https://www.mathworks.com/discovery/transfer-learning.html>. [Accessed 27 11 2021].
- [5] G. Moon, H. Wen, S.-I. Yu and T. Shiratori, "InterHand2.6M: A Dataset and Baseline for 3D Interacting Hand Pose Estimation from a Single RGB Image," *Computer Vision – ECCV 2020*, pp. 548-564, 2020.
- [6] F. Zhang, V. Bazarevsky, A. Vakunov, A. Tkachenka, G. Sung, C.-L. Chang and M. Grundmann, "MediaPipe Hands: On-device Real-time Hand Tracking," 2020.
- [7] "Live ML anywhere," Google, [Online]. Available: <https://mediapipe.dev/>.
- [8] P. K. Pisharady and M. Saerbeck, *Computer Vision and Image Understanding*, vol. 141, pp. 152-165, 2015.
- [9] V. Bheda and . . Radpour, "Using Deep Convolutional Networks for Gesture Recognition in American Sign Language," *ArXiv*, vol. abs/1710.06836, 2017.
- [10] M. Taskiran, M. Killioglu and N. Kahraman, "A Real-Time System for Recognition of American Sign Language by using Deep Learning," in *2018 41st International Conference on Telecommunications and Signal Processing (TSP)*, Athens, Greece, 2018.
- [11] R. F. P. Jr., C. D. B. Borges, A. M. A. Almeida and I. C. P. Jr, "Static Hand Gesture Recognition Based on Convolutional," *Journal of Electrical and Computer Engineering*, 2019.
- [12] N. Kasukurthi, B. Rokad, S. Bidani and A. Dennisan, "American Sign Language Alphabet Recognition using Deep Learning," *ArXiv*, vol. abs/1905.05487, 2019.



- [13] C. Zimmermann and T. Brox, "Learning to Estimate 3D Hand Pose from Single RGB Images," *2017 IEEE International Conference on Computer Vision (ICCV)*, pp. 4913-4921, 2017.
- [14] K. Y. Lum, Y. H. Goh and Y. B. Lee, "American Sign Language Recognition Based on MobileNetV2," *Advances in Science, Technology and Engineering Systems Journal*, pp. 481-488, 2020.
- [15] "ASL Alphabet," kaggle, [Online]. Available: <https://www.kaggle.com/grassknotted/asl-alphabet>. [Accessed 21 12 2021].
- [16] D. R. V. Jeny, A. Anjana, K. Monica and T. Sumanth, "Hand Gesture Recognition for Sign Language Using Convolutional Neural Network," in *2021 5th International Conference on Trends in Electronics and Informatics (ICOEI)*, Tirunelveli, India, 2021.
- [17] "Real-Time Systems Overview and Examples," Intel, [Online]. Available: <https://www.intel.com/content/www/us/en/robotics/real-time-systems.html>. [Accessed 13 12 2021].
- [18] "Artificial Intelligence," IBM, [Online]. Available: <https://www.ibm.com/topics/artificial-intelligence>. [Accessed 18 11 2021].
- [19] A. M. Turing, "Computing Machinery and Intelligence," *Mind*, vol. 59, pp. 433--60, 1950.
- [20] A. Géron, *Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow*, 2nd Edition, O'Reilly Media, Inc., 2019.
- [21] A. C. Müller and S. Guido, *Introduction to Machine Learning with Python: A Guide for Data Scientists*, O'Reilly Media, 2016.
- [22] "Deep Learning," IBM, [Online]. Available: <https://www.ibm.com/topics/deep-learning>. [Accessed 19 11 2021].
- [23] D. M. J. Garbade, "Clearing the Confusion: AI vs Machine Learning vs Deep Learning Differences," *About Towards Data Science*. [Online]. [Accessed 20 11 2021].
- [24] N. Buduma, *Fundamentals of Deep Learning*, O'Reilly, 2017.
- [25] C. C. Aggarwal, *Neural Networks and Deep Learning*, Springer, 2018.
- [26] j. Brownlee, "What is the Difference Between a Parameter and a Hyperparameter?," *Machine Learning Mastery*, 2019. [Online]. Available:



<https://machinelearningmastery.com/difference-between-a-parameter-and-a-hyperparameter/>. [Accessed 23 11 2021].

- [27] J. Patterson and A. Gibson, *Deep Learning: A Practitioner's Approach*, O'Reilly Media, 2017.
- [28] T. Wood, "Activation Function," DeepAI, [Online]. Available: <https://deepai.org/machine-learning-glossary-and-terms/activation-function>. [Accessed 23 11 2021].
- [29] "RELU," PyTorch, [Online]. Available: <https://pytorch.org/docs/stable/generated/torch.nn.ReLU.html>. [Accessed 24 11 2021].
- [30] I. Goodfellow, *Deep Learning (Adaptive Computation and Machine Learning series)*, The MIT Press, 2016.
- [31] "Deep Learning Networks: Advantages of ReLU over Sigmoid Function," TechTarget, Inc, [Online]. Available: <https://www.datasciencecentral.com/profiles/blogs/deep-learning-advantages-of-relu-over-sigmoid-function-in-deep>. [Accessed 24 11 2021].
- [32] Srinivasan, Kathiravan, Cherukuri, A. Kumar, V. P. M, Durai, Garg, Ashish, Chen and Bor-Yann, "An Efficient Implementation of Artificial Neural Networks with K-fold Cross-validation for Process Optimization," *Journal of Internet Technology*, vol. 20, pp. 1213-1225, 2019.
- [33] J. Brownlee, "Softmax Activation Function with Python," *Machine Learning Mastery*, [Online]. Available: <https://machinelearningmastery.com/softmax-activation-function-with-python/>. [Accessed 25 11 2021].
- [34] K. E. Koech, "Cross-Entropy Loss Function," *Towards Data Science*, [Online]. Available: <https://towardsdatascience.com/cross-entropy-loss-function-f38c4ec8643e>. [Accessed 27 11 2021].
- [35] "Reducing Loss: Learning Rate," Google, [Online]. Available: <https://developers.google.com/machine-learning/crash-course/reducing-loss/learning-rate?hl=id>. [Accessed 27 11 2021].
- [36] K. Katanforoosh, D. Kunin and J. Ma, "Parameter optimization in neural networks," DeepLearning.AI, [Online]. Available: <https://www.deeplearning.ai/ai-notes/optimization/>. [Accessed 28 10 2021].



- [37] "Gradient Descent," Towards Data Science, [Online]. Available: <https://towardsdatascience.com/gradient-descent-811efcc9f1d5>. [Accessed 16 12 2021].
- [38] "Guide to Gradient Descent and Its Variants with Python Implementation," Analytics Vidhya, [Online]. Available: <https://www.analyticsvidhya.com/blog/2021/06/guide-to-gradient-descent-and-its-variants-with-python-implementation/>. [Accessed 12 12 2021].
- [39] "A Comprehensive Guide to Convolutional Neural Networks — the ELI5 way," Towards Data Science, [Online]. Available: <https://towardsdatascience.com/a-comprehensive-guide-to-convolutional-neural-networks-the-eli5-way-3bd2b1164a53>. [Accessed 5 12 2021].
- [40] "Overfitting and Underfitting With Machine Learning Algorithms," Machine Learning Mastery, [Online]. Available: <https://machinelearningmastery.com/overfitting-and-underfitting-with-machine-learning-algorithms/>. [Accessed 18 12 2021].
- [41] "Transfer Learning for Machine Learning," seldon, 21 6 2021. [Online]. Available: <https://www.seldon.io/transfer-learning/>. [Accessed 28 11 2021].
- [42] "Selecting the Right Bounding Box Using Non-Max Suppression," Analytics Vidhya, 08 2020. [Online]. Available: <https://www.analyticsvidhya.com/blog/2020/08/selecting-the-right-bounding-box-using-non-max-suppression-with-implementation/>.
- [43] "Real Time Systems," geeksforgeeks, [Online]. Available: <https://www.geeksforgeeks.org/real-time-systems/>. [Accessed 14 12 2021].
- [44] "Evaluating models," Google, [Online]. Available: <https://cloud.google.com/automl-tables/docs/evaluate>. [Accessed 10 12 2021].
- [45] "Base64," mozilla, 16 11 2021. [Online]. Available: <https://developer.mozilla.org/en-US/docs/Glossary/Base64>. [Accessed 12 12 2021].
- [46] T.-Y. Lin, P. Dollár, R. Girshick, K. He, B. Hariharan and S. Belongie, "Feature Pyramid Networks for Object Detection," in *2017 IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, Honolulu, HI, USA, 2017.
- [47] "Base64," mozilla, [Online]. Available: <https://developer.mozilla.org/en-US/docs/Glossary/Base64>. [Accessed 13 11 2021].

