

## DAFTAR PUSTAKA

- [1] *Fresh Mango Global Production and top producing countries*. Tridge. (2019). Retrieved February 3, 2022, from <https://www.tridge.com/intelligences/mango/production>
- [2] " *Info aktual " hama Dan Penyakit penting Tanaman Mangga 02 Nov 2009*. Badan Litbang Pertanian. (2009, November 2). Retrieved February 3, 2022, from <https://www.litbang.pertanian.go.id/info-aktual/773/>
- [3] Amilia, E., Joy, B., & Sunardi, S. (2016). Residu Pestisida Pada Tanaman Hortikultura (Studi Kasus di Desa Cihanjuang Rahayu Kecamatan Parongpong Kabupaten Bandung barat). *Agrikultura*, 27(1). <https://doi.org/10.24198/agrikultura.v27i1.8473>
- [4] Kusriani, K., Suputa, S., Setyanto, A., Agastya, I. M., Priantoro, H., Chandramouli, K., & Izquierdo, E. (2020). Data augmentation for Automated Pest classification in Mango Farms. *Computers and Electronics in Agriculture*, 179, 105842. <https://doi.org/10.1016/j.compag.2020.105842>
- [5] McCloskey, B. (2021, September 29). *Implementing generative adversarial networks (Gans) for increasing a convolutional neural network's...* Medium. Retrieved February 4, 2022, from [https://towardsdatascience.com/implementing-generative-adversarial-networks-gans-for-increasing-a-convolutional-neural-networks-f871e17fe271#:~:text=Generative%20Adversarial%20Networks%20\(GANs\)%20are,distribution%20of%20the%20original%20dataset.](https://towardsdatascience.com/implementing-generative-adversarial-networks-gans-for-increasing-a-convolutional-neural-networks-f871e17fe271#:~:text=Generative%20Adversarial%20Networks%20(GANs)%20are,distribution%20of%20the%20original%20dataset.)
- [6] Pham, T. N., Tran, L. V., & Dao, S. V. (2020). Early disease classification of Mango leaves using feed-forward neural network and hybrid metaheuristic feature selection. *IEEE Access*, 8, 189960–189973. <https://doi.org/10.1109/access.2020.3031914>
- [8] Yuwana, R. S., Fauziah, F., Heryana, A., Krisnandi, D., Kusumo, R. B., & Pardede, H. F. (2020). Data augmentation using adversarial networks for tea diseases detection. *Jurnal Elektronika Dan Telekomunikasi*, 20 (1), 29. <https://doi.org/10.14203/jet.v20.29-35>
- [7] Saleem, M. H., Potgieter, J., & Arif, K. M. (2020). Plant Disease Classification: A comparative evaluation of Convolutional Neural Networks and deep learning optimizers. *Plants*, 9(10), 1319. <https://doi.org/10.3390/plants9101319>
- [9] Islam, F., Hoq, M. N., & Rahman, C. M. (2019). Application of transfer learning to detect potato disease from leaf image. *2019 IEEE International Conference*

on Robotics, Automation, Artificial-Intelligence, and Internet-of-Things (RAAICON). <https://doi.org/10.1109/raaicon48939.2019.53>

- [10] Mukti, I. Z., & Biswas, D. (2019). Transfer learning based plant diseases detection using RESNET50. *2019 4th International Conference on Electrical Information and Communication Technology (EICT)*. <https://doi.org/10.1109/eict48899.2019.9068805>
- [11] Abade, A., Ferreira, P. A., & de Barros Vidal, F. (2021). Plant diseases recognition on images using convolutional neural networks: A systematic review. *Computers and Electronics in Agriculture*, 185, 106125. <https://doi.org/10.1016/j.compag.2021.106125>
- [12] IBM. (n.d.). *What is Computer Vision?* IBM. Retrieved February 5, 2022, from <https://www.ibm.com/topics/computer-vision>
- [13] FAO Glossary. (n.d.). Retrieved February 5, 2022, from <https://www.fao.org/3/Y3241E/y3241e05.htm>
- [14] Strigapoderus javanicus. (n.d.). Retrieved June 14, 2022, from <http://www.natureloveyou.sg/Minibeast-Beetle/Strigapoderus%20javanicus/Main.html>
- [15] Francia, S. (2015, March 17). *Aulacaspis tubercularis* : *Huji.ac.il*. Plant Pests of the Middle East. Retrieved June 14, 2022, from [http://www.agri.huji.ac.il/mepests/pest/Aulacaspis\\_tubercularis/#:~:text=Common%20name%3A%20White%20mango%20scale,%2C%20Coccoimorph%2C%20Coccoidea%2C%20Diaspididae](http://www.agri.huji.ac.il/mepests/pest/Aulacaspis_tubercularis/#:~:text=Common%20name%3A%20White%20mango%20scale,%2C%20Coccoimorph%2C%20Coccoidea%2C%20Diaspididae).
- [16] *Bayer Australia*. Pests | Bayer Crop Science. (n.d.). Retrieved June 14, 2022, from <https://www.crop.bayer.com.au/pests/pests/pink-wax-scale>
- [17] GmbH, P. E. A. T. (n.d.). *Mango leaf coating mite: Pests & Diseases*. Plantix. Retrieved June 14, 2022, from <https://plantix.net/en/library/plant-diseases/500024/mango-leaf-coating-mite>
- [18] Papua Insects Foundation (Lepidoptera/Psychidae/Dappula Tertia). (n.d.). Retrieved June 14, 2022, from <https://www.papua-insects.nl/insect%20orders/Lepidoptera/Psychidae/Dappula/Dappula%20tertia.htm>
- [19] *Spiralling whitefly and its management practices in the South Pacific ...* (n.d.). Retrieved June 14, 2022, from [https://www.researchgate.net/publication/332514161\\_Spiralling\\_whitefly\\_and\\_its\\_management\\_practices\\_in\\_the\\_South\\_Pacific\\_A\\_review](https://www.researchgate.net/publication/332514161_Spiralling_whitefly_and_its_management_practices_in_the_South_Pacific_A_review)

- [20] *Mango gall midge and all you need to know*. Greenlife Crop Protection Africa. (2022, January 3). Retrieved June 14, 2022, from <https://www.greenlife.co.ke/mango-gall-midge-and-all-you-need-to-know/>
- [21] Francia, S. (2016, December 8). *Icerya Seychellarum* : *Huji.ac.il*. Plant Pests of the Middle East. Retrieved June 14, 2022, from [http://www.agri.huji.ac.il/mepests/pest/Icerya\\_seychellarum/](http://www.agri.huji.ac.il/mepests/pest/Icerya_seychellarum/)
- [22] Black thread scale - *ischnaspis longirostris* (signoret. (n.d.)). Retrieved June 14, 2022, from [https://entnemdept.ufl.edu/creatures/orn/scales/black\\_thread\\_scale.htm](https://entnemdept.ufl.edu/creatures/orn/scales/black_thread_scale.htm)
- [23] *Leaf-footed bugs*. Missouri Department of Conservation. (n.d.). Retrieved June 14, 2022, from <https://mdc.mo.gov/discover-nature/field-guide/leaf-footed-bugs>
- [24] Medler, J. T. (1999, January 1). *Flatidae (Homoptera: Fulgoroidea) of Indonesia, exclusive of Irian Jaya*. Zoologische Verhandelingen. Retrieved June 14, 2022, from <https://repository.naturalis.nl/pub/317601>
- [25] Navbharath Enterprises. (n.d.). Mango Leaf Webber Orthaga Euadrusalis Walker (pyralidae: Lepidoptera) in Andhra Pradesh. Retrieved June 14, 2022, from <https://www.cabi.org/ISC/abstract/20063066250>
- [26] GmbH, P. E. A. T. (n.d.). *Lalat Mangga: Hama & Penyakit*. Plantix. Retrieved June 14, 2022, from <https://plantix.net/id/library/plant-diseases/600301/mango-midge>
- [27] ditjenbun, O. . (n.d.). *Kementerian Pertanian Direktorat Jenderal Perkebunan : Ancaman Serangga Valanga nigricornis (Belalang Kayu) Pada Tanaman Perkebunan*. hit tracker. Retrieved June 14, 2022, from <https://ditjenbun.pertanian.go.id/ancaman-serangga-valanga-nigricornis-belalang-kayu-pada-tanaman-perkebunan/>
- [28] Lite, T. F. (n.d.). *Image classification: Tensorflow Lite*. TensorFlow. Retrieved February 5, 2022, from [https://www.tensorflow.org/lite/examples/image\\_classification/overview](https://www.tensorflow.org/lite/examples/image_classification/overview)
- [29] By: IBM Cloud Education. (n.d.). *What is deep learning?* IBM. Retrieved February 5, 2022, from <https://www.ibm.com/cloud/learn/deep-learning>
- [30] By: IBM Cloud Education. (n.d.). *What are convolutional neural networks?* IBM. Retrieved February 5, 2022, from <https://www.ibm.com/cloud/learn/convolutional-neural-networks>

- [31] *Residual networks (resnet) - deep learning*. GeeksforGeeks. (2022, January 27). Retrieved February 5, 2022, from <https://www.geeksforgeeks.org/residual-networks-resnet-deep-learning/>
- [32] Kaushik, A. (2020, July 21). *Understanding Resnet50 architecture*. OpenGenus IQ: Computing Expertise & Legacy. Retrieved June 14, 2022, from <https://iq.opengenus.org/resnet50-architecture/>
- [33] *Transfer learning: Understanding transfer learning for deep learning*. Analytics Vidhya. (2021, October 30). Retrieved February 5, 2022, from <https://www.analyticsvidhya.com/blog/2021/10/understanding-transfer-learning-for-deep-learning/>
- [34] Vladimir Lyashenko (2022, January 14). *Data Augmentation in python: Everything you need to know*. neptune.ai. Retrieved February 5, 2022, from <https://neptune.ai/blog/data-augmentation-in-python>
- [35] Brownlee, J. (2019, July 19). *A gentle introduction to generative adversarial networks (Gans)*. Machine Learning Mastery. Retrieved February 5, 2022, from <https://machinelearningmastery.com/what-are-generative-adversarial-networks-gans/>
- [36] Khalimi, A. M. (2021, June 10). *Perhitungan confusion matrix multi-class clasification 3x3*. Pengalaman Edukasi. Retrieved February 8, 2022, from <https://www.pengalaman-edukasi.com/2020/11/menghitung-confusion-matrix-3-kelas.html>
- [37] Mohajon, J. (2021, July 24). *Confusion matrix for your multi-class machine learning model*. Medium. Retrieved June 14, 2022, from <https://towardsdatascience.com/confusion-matrix-for-your-multi-class-machine-learning-model-ff9aa3bf7826>
- [38] *Introduction to tensors : Tensorflow Core*. TensorFlow. (n.d.). Retrieved June 14, 2022, from <https://www.tensorflow.org/guide/tensor>
- [39] *What is numpy?*. What is NumPy? - NumPy v1.22 Manual. (n.d.). Retrieved June 16, 2022, from <https://numpy.org/doc/stable/user/whatisnumpy.html>
- [40] Maxime Labonne. (2022, March 28). *What is a tensor in deep learning?* Maxime Labonne. Retrieved June 16, 2022, from <https://mlabonne.github.io/blog/what-is-a-tensor/>
- [41] Yadav, A. (2020, September 25). *Do numpy arrays differ from tensors?* Medium. Retrieved June 16, 2022, from <https://medium.com/dailytech/numpy-arrays-vs-tensors-c58ea54f0e59>

- [42] Giorgas, K. (2022, January 11). *What is the difference between Numpy arrays and tensorflow tensors?* Medium. Retrieved June 3, 2022, from <https://python.plainenglish.io/numpy-arrays-vs-tensorflow-tensors-95a9c39e1c17>
- [43] *Ready to try Roboflow?* Roboflow. (n.d.). Retrieved June 14, 2022, from <https://roboflow.com/features>
- [44] Kusriani, K. (2020, February 27). *Dataset for pest classification in Mango Farms from Indonesia*. Mendeley Data. Retrieved February 6, 2022, from <https://data.mendeley.com/datasets/94jf97jzc8/1>
- [45] IyatomiLab. (n.d.). *Iyatomilab/Leafgan*. GitHub. Retrieved June 3, 2022, from <https://github.com/IyatomiLab/LeafGAN>
- [46] Billa, R., Rosebrock, A., Phani, Yxh, Lode, Hoffman, D., Abkul, Pannu, R., Allan, Kevin, Susan, Walid, Jamiu, B., Ninan, Hoo, A., Wilson, D., Naser, Medon, D., Zikopoulos, P. P., ... Tahira. (2021, April 17). *Transfer learning with keras and deep learning*. PyImageSearch. Retrieved June 5, 2022, from <https://pyimagesearch.com/2019/05/20/transfer-learning-with-keras-and-deep-learning/>
- [47] *A comprehensive guide on Deep learning optimizers*. Analytics Vidhya. (2022, May 24). Retrieved June 3, 2022, from <https://www.analyticsvidhya.com/blog/2021/10/a-comprehensive-guide-on-deep-learning-optimizers/>
- [48] *Categorical crossentropy loss function: Peltarion platform*. Peltarion. (n.d.). Retrieved June 1, 2022, from <https://peltarion.com/knowledge-center/documentation/modeling-view/build-an-ai-model/loss-functions/categorical-crossentropy>
- [49] Thakur, A. (2020, August 19). *What's the optimal batch size to train a neural network?* W&B. Retrieved June 3, 2022, from <https://wandb.ai/ayush-thakur/dl-question-bank/reports/What-s-the-Optimal-Batch-Size-to-Train-a-Neural-Network---VmlldzoyMDkyNDU>
- [50] Tensorflow hub. (n.d.). Retrieved June 6, 2022, from [https://tfhub.dev/tensorflow/resnet\\_50/feature\\_vector/1](https://tfhub.dev/tensorflow/resnet_50/feature_vector/1)
- [51] Ji, Y., Wang, Q., Li, X., & Liu, J. (2019). A survey on tensor techniques and applications in machine learning. *IEEE Access*, 7, 162950–162990. <https://doi.org/10.1109/access.2019.2949814>