

REFERENCES

- [1] Z. Hanif and H. Ashari, "Factors Affecting the Development of Strawberry in Indonesia," no. October 2012, 2012.
- [2] B. P. S. BPS - Statistics Indonesia, "Data Produksi Tanaman Buah-buahan 2017 - 2019," 2020.
- [3] S. S. Salunkhe, G. Phadke, S. Kadam, and A. Kadu, "and Suggestion for Pesticides Using Artificial Neural Network."
- [4] B. Kim, Y. K. Han, J. H. Park, and J. Lee, "Improved Vision-Based Detection of Strawberry Diseases Using a Deep Neural Network," *Frontiers in Plant Science*, vol. 11, pp. 1–14, 2021.
- [5] S. Sladojevic, M. Arsenovic, A. Anderla, D. Culibrk, and D. Stefanovic, "Deep Neural Networks Based Recognition of Plant Diseases by Leaf Image Classification," *Computational Intelligence and Neuroscience*, vol. 2016, 2016.
- [6] S. S. Hari, M. Sivakumar, P. Renuga, S. Karthikeyan, and S. Suriya, "Detection of Plant Disease by Leaf Image Using Convolutional Neural Network," *Proceedings - International Conference on Vision Towards Emerging Trends in Communication and Networking, ViTECoN 2019*, pp. 1–5, 2019.
- [7] J. Chen, Q. Liu, and L. Gao, "Visual tea leaf disease recognition using a convolutional neural network model," *Symmetry*, vol. 11, no. 3, 2019.
- [8] S. Y. Yadhav, T. Senthikumar, S. Jayanthi, and J. J. A. Kovilpil-lai, "Plant Disease Detection and Classification using CNN Model with Optimized Activation Function," *Proceedings of the International Conference on Electronics and Sustainable Communication Systems, ICESC 2020*, no. Icesc, pp. 564–569, 2020.
- [9] M. Ji, L. Zhang, and Q. Wu, "Automatic grape leaf diseases identification via UnitedModel based on multiple convolutional neural networks," *Information Processing in Agriculture*, vol. 7, no. 3, pp. 418–426, 2020. [Online]. Available: <https://doi.org/10.1016/j.inpa.2019.10.003>
- [10] T. Akiyama, Y. Kobayashi, Y. Sasaki, K. Sasaki, T. Kawaguchi, and J. Kishigami, "Mobile leaf identification system using CNN applied to plants in Hokkaido," *2019 IEEE 8th Global Conference on Consumer Electronics, GCCE 2019*, pp. 324–325, 2019.
- [11] A. Shrestha and A. Mahmood, "Review of deep learning algorithms and architectures," *IEEE Access*, vol. 7, pp. 53 040–53 065, 2019.
- [12] I. S. Abdurrazaq, S. Suyanto, and D. Q. Utama, "Image-Based Classification of Snake Species Using Convolutional Neural Network," in *2019 International Seminar on Research of Information Technology and Intelligent Systems (ISRITI)*, dec 2019, pp. 97–102. [Online]. Available: <https://ieeexplore.ieee.org/document/9034633>
- [13] R. Sangeetha and M. Mary Shanthi Rani, "Tomato leaf disease prediction using convolutional neural network," *International Journal of Innovative Technology and Exploring Engineering*, vol. 9, no. 1, pp. 1348–1352, 2019.
- [14] M. Sardogan, A. Tuncer, and Y. Ozen, "Plant Leaf Disease Detection and Classification Based on CNN with LVQ Algorithm," *UBMK 2018 - 3rd International Conference on Computer Science and Engineering*, pp. 382–385, 2018.
- [15] A. A. Nugraha, A. Arifianto, and Suyanto, "Generating Image Description on Indonesian Language using Convolutional Neural Network and Gated Recurrent Unit," in *2019 7th International Conference on Information and Communication Technology (ICOICT)*, jul 2019, pp. 1–6. [Online]. Available: <https://ieeexplore.ieee.org/abstract/document/8835370>
- [16] K. O'Shea and R. Nash, "An Introduction to Convolutional Neural Networks," pp. 1–11, 2015. [Online]. Available: <http://arxiv.org/abs/1511.08458>
- [17] A. Hidayat, U. Darusalam, and Irmawati, "DETECTION OF DISEASE ON CORN PLANTS USING CONVOLUTIONAL NEURAL NETWORK METHODS."
- [18] M. F. Dzulqarnain, S. Suprpto, and F. Makhrus, "Improvement of Convolutional Neural Network Accuracy on Salak Classification Based Quality on Digital Image," *IJCCS (Indonesian Journal of Computing and Cybernetics Systems)*, vol. 13, no. 2, p. 189, 2019.
- [19] A. Anton, S. Rustad, G. F. Shidik, and A. Syukur, "Classification of Tomato Plant Diseases Through Leaf Using Gray-Level Co-occurrence Matrix and Color Moment with Convolutional Neural Network Methods," pp. 291–299, 2021.
- [20] Y. Jung and J. Hu, "A K-fold Averaging Cross-validation Procedure."
- [21] A. K. Santra and C. J. Christy, "Genetic Algorithm and Confusion Matrix for Document Clustering," *International Journal of Computer Science Issues*, vol. 9, no. 1, pp. 322–328, 2012.
- [22] N. D. Marom, L. Rokach, and A. Shmilovici, "Using the confusion matrix for improving ensemble classifiers," *2010 IEEE 26th Convention of Electrical and Electronics Engineers in Israel, IEEEI 2010*, pp. 555–559, 2010.