## **DAFTAR PUSTAKA**

- [1] International Coffee Organization. Coffee report and outlook. Technical report, International Coffee Organization, 2023.
- [2] SCAA green coffee beans classification,. http://www.coffeeresearch. org/coffee/scaaclass.htm, 2006. Accessed: 2024-04-01.
- [3] James Kosalos, Rob Stephen, Steven Diaz, Paul Songer, Man'e Alves, Marty Curtis, and Steven Sung-Yong Kil. Arabica Green Coffee Defect Handbook. Specialty Coffee Association of America, 2013.
- [4] Nen-Fu Huang, Dong-Lin Chou, Chia-An Lee, Feng-Ping Wu, An-Chi Chuang, Yi-Hsien Chen, and Yin-Chun Tsai. Smart agriculture: real-time classification of green coffee beans by using a convolutional neural network. IET Smart Cities, 2, 10 2020.
- [5] Serawork Wallelign, Mihai Polceanu, Towfik Jemal, and C'edric Buche. Coffee grading with convolutional neural networks using small datasets with high variance. 2019.
- [6] Edwin R Arboleda, Arnel C Fajardo, and Ruji P Medina. Classification of coffee bean species using image processing, artificial neural network and k nearest neighbors. In 2018 IEEE international conference on innovative research and development (ICIRD), pages 1–5. IEEE, 2018.
- [7] JR Arunkumar and Tagele berihun Mengist. Developing ethiopian yirga-cheffe coffee grading model using a deep learning classifier. International Journal of Innovative Technology and Exploring Engineering, 9(4):3303–3309, 2020.
- [8] Muhammad NS Akbar, Ema Rachmawati, and Febryanti Sthevanie. Visual feature and machine learning approach for arabica green coffee beans grade determination. In Proceedings of the 6th International Conference on Communication and Information Processing, pages 97–104, 2020.

- [9] Edwin R. Arboleda, Arnel C. Fajardo, and Ruji P. Medina. An image processing technique for coffee black beans identification. In 2018 IEEE International Conference on Innovative Research and Development (ICI-RD), pages 1–5, 2018.
- [10] Shih-Yu Chen, Chuan-Yu Chang, Cheng-Syue Ou, and Chou-Tien Lien. Detection of insect damage in green coffee beans using vis-nir hyperspe-ctral imaging. Remote Sensing, 12(15), 2020.
- [11] Carlito Pinto, Junya Furukawa, Hidekazu Fukai, and Satoshi Tamura. Classification of green coffee bean images basec on defect types using convolutional neural network (cnn). In 2017 International Conference on Advanced Informatics, Concepts, Theory, and Applications (ICAICTA), pages 1–5, 2017.
- [12] Glenn Jocher, Ayush Chaurasia, and Jing Qiu. Ultralytics YOLO. https://github.com/ultralytics/ultralytics, 2023. Accessed: 2023-04-11.
- [13] Juan Terven, Diana-Margarita C´ordova-Esparza, and Julio-Alejandro Romero-Gonz´alez. A comprehensive review of yolo architectures in computer vision: From yolov1 to yolov8 and yolo-nas. Machine Learning and Knowledge Extraction, 5(4):1680–1716, 2023.
- [14] Palmiro Poltronieri and Franca Rossi. Challenges in specialty coffee processing and quality assurance. Challenges, 7(2), 2016.
- [15] Amanda R Hale, Paul M Ruegger, Philippe Rolshausen, James Borneman, and Jiue-in Yang. Fungi associated with the potato taste defect in coffee beans from rwanda. Botanical studies, 63(1):17, 2022.
- [16] Rafael Carlos Eloy Dias, Sebastian Ed Wieland Opitz, and Chahan Yeretzian. Bioactive compounds in blends of coffee defects originating from the harvesting. Coffee Science ISSN 1984-3909, 17:e172027, Jan. 2023.
- [17] Coffee Research Institute. SCAA Coffee Beans Classification. http://www.coffeeresearch.org/coffee/scaaclass.htm. Accessed: 2023-04-11.

- [18] Liu, Y., Sun, P., Wergeles, N., & Shang, Y. (2021). A survey and performance evaluation of deep learning methods for small object detection. Expert Systems with Applications, 172, 114602.
- [19] S. Yadav and S. Shukla, Analysis of k-Fold Cross-Validation over Hold-Out Validation on Colossal Datasets for Quality Classification, 2016 IEEE 6th International Conference on Advanced Computing (IACC), Bhimavaram, India, 2016, pp. 78-83, doi: 10.1109/IACC.2016.25.
- [20] Shorten, C., & Khoshgoftaar, T. M. (2019). A survey on image data augmentation for deep learning. Journal of big data, 6(1), 1-48.
- [21] J. Solawetz, What is Mean Average Precision (mAP) in Object Detection?, Roboflow, pp. 1–11, 2020.