## References

[1] Saowalak Arampongsanuwat and Orawan Chaowalit. Application of deep convolutional neural networks for mangosteen ripeness classification. ICIC Express Lett, 15:649–657, 2021.

[2] Luis E Chuquimarca, Boris Xavier Vintimilla, and Ser gio A Velastin. Banana ripeness level classification using a simple cnn model trained with real and synthetic datasets. In VISIGRAPP (5: VISAPP), pages 536–543, 2023.

[3] Candra Dewi, Shiryu Ueno, and Kunihito Kato. Ar tificially ripeness identification of indonesian banana cultivar using convolution neural network. In Proceed ings of the 8th International Conference on Sustainable Information Engineering and Technology, pages 107 111, 2023.

[4] Alexey Dosovitskiy, Lucas Beyer, Alexander Kolesnikov, Dirk Weissenborn, Xiaohua Zhai, Thomas Unterthiner, Mostafa Dehghani, Matthias Minderer, Georg Heigold, Sylvain Gelly, Jakob Uszkoreit, and Neil Houlsby. An image is worth 16x16 words: Transformers for image recognition at scale, 2021.

[5] Rongli Gai, Na Chen, and Hai Yuan. A detection algorithm for cherry fruits based on the improved yolo-v4 model. Neural Computing and Applications, 35(19):13895–13906, 2023.

[6] Rahul Gomes, C. Kamrowski, Jordan Langlois, Papia Rozario, Ian Dircks, Keegan Grottodden, Matthew Mar tinez, Wei Tee, Kyle Sargeant, Corbin LaFleur, and Mitchell Haley. A comprehensive review of machine learning used to combat covid-19. Diagnostics, 12:1853, 07 2022.

[7] Kaiming He, Xiangyu Zhang, Shaoqing Ren, and Jian Sun. Deep residual learning for image recognition. In Proceedings of the IEEE conference on computer vision and pattern recognition, pages 770–778, 2016.

[8] Xuesong Jin, Xin Du, and Huiyuan Sun. Vgg-s: Im proved small sample image recognition model based on vgg16. In 2021 3rd International Conference on Artificial Intelligence and Advanced Manufacture (AIAM), pages 229–232. IEEE, 2021.

[9] Nurulaqilla Khamis, Hazlina Selamat, Shuwaibatu lAslamiah Ghazalli, Nurul Izrin Md Saleh, and Nooraini Yusoff. Comparison of palm oil fresh fruit bunches (ffb) ripeness classification technique using deep learning method. In 2022 13th Asian Control Conference (ASCC), pages 64–68. IEEE, 2022.

[10] Mostafa Khojastehnazhand, Vahid Mohammadi, and Saeid Minaei. Maturity detection and volume estimation of apricot using image processing technique. Scientia Horticulturae, 251:247–251, 2019.

[11] R Lokesh Kumar, Jagadeesh Kakarla, B Venkateswarlu Isunuri, and Munesh Singh. Multi-class brain tumor clas sification using residual network and global average pool ing. Multimedia Tools and Applications, 80(9):13429 13438, 2021.

[12] Fatma MA Mazen and Ahmed A Nashat. Ripeness clas sification of bananas using an artificial neural network. Arabian Journal for Science and Engineering, 44:6901 6910, 2019.

[13] Agnieszka Mikołajczyk and Michał Grochowski. Data augmentation for improving deep learning in image classification problem. In 2018 international interdisci plinary PhD workshop (IIPhDW), pages 117–122. IEEE, 2018.

[14] Matteo Rizzo, Matteo Marcuzzo, Alessandro Zangari, Andrea Gasparetto, and Andrea Albarelli. Fruit ripeness classification: A survey. Artificial Intelligence in Agri culture, 7:44–57, 2023.

[15] Raymond Erz Saragih and Andi WR Emanuel. Banana ripeness classification based on deep learning using con volutional neural network. In 2021 3rd East Indonesia Conference on Computer and Information Technology (EIConCIT), pages 85–89. IEEE, 2021.

[16] N Saranya, K Srinivasan, and SK Pravin Kumar. Banana ripeness stage identification: a deep learning approach. Journal of Ambient Intelligence and Humanized Com puting, 13(8):4033–4039, 2022.

[17] Aravind Srinivas, Tsung-Yi Lin, Niki Parmar, Jonathon Shlens, Pieter Abbeel, and Ashish Vaswani. Bottleneck transformers for visual recognition. In Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), pages 16519–16529, June 2021.

[18] K Sumathi and V Vinod. Classification of fruits ripeness using cnn with multivariate analysis by sgd. Neural Network World, (6), 2022.

[19] Mingxing Tan and Quoc V. Le. Efficientnet: Rethinking model scaling for convolutional neural networks, 2020.

[20] Sanghyun Woo, Jongchan Park, Joon-Young Lee, and In So Kweon. Cbam: Convolutional block attention module, 2018.

[21] Ziang Zhao, Yulia Hicks, Xianfang Sun, and Chaoxi Luo. Peach ripeness classification based on a new onestage instance segmentation model. Computers and Electronics in Agriculture, 214:108369, 2023