

7. RESOURCES

- Akbudak, B., Akbudak, N., Seniz, V & Eris, A. (2007). Sequential Treatments of Hot water and Modified Atmosphere Packaging in Cherry Tomatoes. *Journal of Food Quality*, 30: 896. <https://onlinelibrary.wiley.com/doi/epdf/10.1111/j.1745-4557.2007.00168.x>
- Ali, A., et al. (2020). Effect of controlled atmosphere on PPO and color of tomatoes. *Journal of Food Biochemistry*, 44(7), e13270. <https://doi.org/10.1111/jfbc.13270>.
- Amodio, M. L., Derossi, A., & Colelli, G. (2013). Modelling sensorial and nutritional changes to better define quality and shelf life of fresh-cut melons. *Journal of Agricultural Engineering*, 44(e6), 36–43. <https://doi.org/10.4081/jae.2013.e6>
- Anwarzai, N., Kattagoudar, J., Anjanappa, M., Sood, M., Reddy, B.A & Kumar, S.M. (2020). Evaluation of Cherry Tomato (*Solanum Lycopersicum* L. var. *cerasiforme*) Genotypes for Growth and Yield Parameters. *International Journal of Current Microbiology and Applied Sciences*, 9(3). https://www.researchgate.net/publication/341509988_Evaluation_of_Cherry_Tomato_Solanum_Lycopersicum_L_var_cerasiforme_Genotypes_for_Growth_and_Yield_Parameters
- Badan Pusat Statistik. (2019). Produksi Tomat Menurut Provinsi 2015-2019. <https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwj1lfLuo9r4AhVe23MBHURZDuAQFn0ECACQAQ&url=https%3A%2F%2Fwww.pertanian.go.id%2Fhome%2Findex.php%3Fshow=repo%26fileNum=292&usg=AOvVaw2g4Io6zW7FQOGBFlsuPdBs>
- Badan Pusat Statistik. (2021). Produksi Tanaman Sayuran 2021. Jakarta: Badan Pusat Statistik. <https://www.bps.go.id/indicator/55/61/1/produksi-tanaman-sayuran.html>
- Bremenkamp, I., Ramos, A. V., Lu, P., Patange, A., Bourke, P., & Sousa-Gallagher, M. J.(2021). Combined effect of plasma treatment and equilibrium modified atmosphere packaging on safety and quality of cherry tomatoes. *Future Foods*, 3,100011. <https://doi.org/10.1016/j.fufo.2021.100011>
- Czerwinski, K., Rydzkowski, T., Krepsztul, J.W & Thakur, V.K. (2021). Towards Impact of Modified Atmosphere Packaging (MAP) on Shelf-Life of Polymer-Film-Packed Food Products: Challenges and Sustainable Developments. *Coatings*, 11. <https://www.mdpi.com/2079-6412/11/12/1504>.
- Dermesonoglou, E., Pittas, L., Taoukis, P., & Giannakourou, M. (2024). Osmohydrofreezing of Tomatoes: Optimization of Osmotic Dehydration and Shelf Life Modelling. *Foods*, 13(2689). <https://doi.org/10.3390/foods13172689>
- Food and Agriculture Organization of the United Nations. (2011). *Global food losses and food wastes*. <https://www.fao.org/3/i2697e/i2697e.pdf>
- Food and Agriculture Organization of the United Nations. (2022). *Technical platform on the measurement and reduction of food loss and waste*. <https://www.fao.org/platform-food>

[loss-waste/en/](#)

Food and Agriculture Organization. (2010). *Nutrition and food system division*. <http://www.fao.org/>

Gharezi, M., Joshi, N & Sadeghian, E. (2012). Effect of Post Harvest Treatment on Stored Cherry Tomatoes. *Journal of Nutrition & Food Sciences*, 2(8):1-3. https://www.researchgate.net/profile/Neena-Joshi-2/publication/265947280_Effect_of_Post_Harvest_Treatment_on_Stored_Cherry_Tomatoes/links/54b752cd0cf24eb34f6e9f06/Effect-of-Post-Harvest-Treatment-on-Stored-Cherry-Tomatoes.pdf

Guilherme, D.D.O. (2014). Comparison Between Cherry Tomato in the Organic System of Cultivation Under Different Spacing. *Academia Journal of Agricultural Research*, 2(1): 23. https://www.researchgate.net/publication/263543587_Comparison_between_cherry_tomato_in_the_organic_system_of_cultivation_under_different_spacing

Islam, M.Z., Baek, J.P., Kim, Y & Kang, H. (2013). Characteristics of Chilling Symptoms of Cherry Tomato Compared to Beefsteak Tomato Harvested at Different Ripening Stages. *Journal of Pure and Applied Microbiology*, 7: 703-705. <https://microbiologyjournal.org/characteristics-of-chilling-symptoms-of-cherry-tomato-compared-to-beefsteak-tomato-harvested-at-different-ripening-stages/>

Islam, M.Z., Kim, Y.S & Kang, H.M. (2012). Effect of Temperature on the Quality and Storability of Cherry Tomato During Commercial handling Condition. *Journal of Bio-Environment Control*, 21(2): 88-89. <https://www.researchgate.net/publication/261173737>.

Kader, A. A. (2002). *Postharvest Technology of Horticultural Crops* (3rd ed.). University of California Agriculture and Natural Resources.

Khan, H.M.R. (2014). Survival Analysis for White non-Hispanic Female Breast Cancer Patients. *Digital Commons at University of South Florida*. <https://www.researchgate.net/publication/263166042>.

Konica Minolta Sensing. (2019). Identifying color differences using Lab or LCh* coordinates*. <https://sensing.konicaminolta.us/us/blog/identifying-color-differences-using-l-a-b-or-l-c-h-coordinates/>

Kumar, M., Vats, S., Madhumita, M., & Kumar, P. (2021). Mathematical Modeling of Food Processing Operations: A Basic Understanding and Overview. *Turkish Journal of Agricultural Engineering Research*, 2(2), 472-492. <https://doi.org/10.46592/turkager.2021.v02i02.019>.

Leszczuk, Agata, Nataliia Kutyrieva-Nowak, Artur Nowak, Artur Nosalewicz, and Artur Zdunek. 2024. "Low Oxygen Environment Effect on the Tomato Cell Wall Composition during the Fruit Ripening Process." *BMC Plant Biology* 24:503. <https://doi.org/10.1186/s12870-024-05226-x>.

- Li, Y., Zhang, Y., Zhao, X., & Liu, Z. (2023). Application of modified atmosphere preservation technology in cherry. *Agriculture*, 15(5), 462. <https://doi.org/10.3390/agriculture15050462>.
- Lopez, A.P., Guzman, M.E.R., Solares, T.E., Mandujano, E.A & Perea, C.A.V. (2020). Postharvest Respiration of Fruits and Environmental Factors Interaction: An Approach by Dynamic Regression Models. *Scientia Agropecuaria*, 11(1): 23-24. <https://www.researchgate.net/publication/340374980>.
- Mahajan, P.V., Caleb, O.J., Singh, Z., Watkins, C.B & Geyer, M. (2013). Postharvest Treatments of Fresh Produce. America: Royal Society Publishing. <https://royalsocietypublishing.org/doi/epdf/10.1098/rsta.2013.0309>
- Marra, F., Barrios, S., & Lema, P. (2013). Modelling passive modified atmosphere packaging of strawberries: Numerical analysis and model validation. *International Food Research Journal*, 20(5), 2397-2405. <https://www.researchgate.net/publication/262672738>.
- Minaker, S. A., Mason, R. H., & Chow, D. R. (2021). Optimizing color performance of the Ngenuity 3-dimensional visualization system. *Ophthalmology Science*, 1(4), 100054. <https://doi.org/10.1016/j.xops.2021.100054>.
- Moon, K. M., Kwon, E.-B., Lee, B., & Kim, C. Y. (2020). Recent Trends in Controlling the Enzymatic Browning of Fruit and Vegetable Products. *Molecules*, 25(12), 2754. <https://doi.org/10.3390/molecules25122754>
- Mullan, W. M. A., & McDowell, D. A. (2011). Modified atmosphere packaging. In G. W. Gould (Ed.), *New Methods of Food Preservation*. Wiley-Blackwell. <https://doi.org/10.1002/9781444392180.ch10>.
- Najeema, M.H., Revanappa, H.P & Biradar, I.B. (2018). Evaluation of Cherry Tomato (*Solanum lycopersicum* var. *cerasiforme*) Genotypes for Yield and Quality Traits. *International Journal of Current Microbiology and Applied Sciences*, 7(6): 2433. https://www.researchgate.net/publication/326639230_Evaluation_of_Cherry_Tomato_Solanum_lycopersicum_var_cerasiforme_Genotypes_for_Yield_and_Quality_Traits.
- Nyalala, S.P.O & Wainwright, H. (1998). The Shelf Life of Tomato Cultivars at Different Storage Temperatures. *Trop. Sci*, 38. <https://www.researchgate.net/publication/294485852>.
- Pobiega, K., Przybyl, J., Zubernik, J & Gniewosz, M. (2020). Prolonging the Shelf Life of Cherry Tomatoes by Pullulan Coating with Ethanol Extract of Propolis During Refrigerated Storage. *Food and Bioprocess Technology*, 13:1447-1448. <https://link.springer.com/article/10.1007/s11947-020-02487-w>
- Rafaat, S.M., Zaid, M.I.A., Tohany, M.R & Arisha, H.E. (2016). Impact of Some Plant Essential Oil Treatments on Controlling Cherry Tomatoes Spoilage, Improvement Shelf Life and Quality Attributes During Storage. *Zagazig Journal of Plant Pathology*, 43(3): 785-786. https://journals.ekb.eg/article_101014_20b11d4716973d36ac27f67a4caf5578.pdf

- Rizky, W. M., Pamungkas, A. P., & Falah, M. A. F. (2024). Prediction of Respiration Measurement Based on Temperature Differences of Fresh Strawberry (*Fragaria x ananassa* var. Kelly Bright) in a Tropical Environment. *Planta Tropika: Journal of Agro Sciences*, 12(1), 1–9. <https://doi.org/10.18196/pt.v12i1.17855>
- Shaw, J., Estes, D., Ruhfel, B., Morris, A.B & Littlefield, T.R. (2021). *Solanum lycopersicum*. *Tennessee-Kentucky Plant Atlas*. <https://tennessee-kentucky.plantatlas.usf.edu/plant.aspx?id=1529>.
- Soltani, M., Alimardani, R., Mobli, H & Mohtasebi, S.S. (2015). Modified Atmosphere Packaging: A Progressive Technology for Shelf-Life Extension of Fruits and Vegetables. *Journal of Applied Packaging Research*, 7(3): 34-36. https://www.researchgate.net/publication/283853307_Modified_Atmosphere_Packaging_A_ProgressiveTechnology_for_Shelf-Life_Extension_of_Fruits_and_Vegetables.
- Son, Ki-Ho & Oh, Myung-Min. (2018). Growth and Development of Cherry Tomato Seedlings Grown under Various Combined Ratios of Red to Blue LED Lights and Fruit Yield and Quality After Transplanting. *Protected Horticulture and Plant Factory*, 27(1): 56. <https://doi.org/10.12791/KSBEC.2018.27.1.54>
- Steffens, C.A., Santana, G.R.O., Amarante, C.V.Td., Antonovviski, J.L., Miqueloto, T., Anami, J.M & Fenili, C.L. (2022). Treatment With Nitric Oxide in Controlled Atmosphere Storage to Preserve the Quality of ‘Laetitia’ Plums. *Food Science and Technology*, 158(113033):1-6. <https://www.sciencedirect.com/science/article/pii/S0023643821021861?via%3Dihub>
- Tabaestani, H.S., Sedaghat, N., Pooya, E.S & Alipour, A. (2013). Shelf Life Improvement and Postharvest Quality of Cherry Tomato (*Solanum lycopersicum* L.) Fruit Using Basil Mucilage Edible Coating and Cumin Essential Oil. *International Journal of Agtonomy and Plant Production*, 4(9). https://www.researchgate.net/publication/285503088_Shelf_life_improvement_and_post_harvest_quality_of_cherry_tomato_Solanum_lycopersicum_L_fruit_using_basil_mucilage_edible_coating_and_cumin_essential_oil?enrichId=rgreq-605f1408e75ea4d40683a02fc9289095-XXX&enrichSource=Y292ZXJQYWdlOzI4NTUwMzA4ODtBUzo3MTM1MjY0NDQzMTQ2MjZAMTU0NzEyOTM2OTUxNg%3D%3D&el=1_x_2&esc=publicationCoverPdf
- Tano, K., Kamenan, A & Arul, J. (2005). Respiration and Transpiration Characteristics of Selected Fresh Fruits and Vegetables. *Agronomie Africaine*, 17(2): 103-108. <https://www.ajol.info/index.php/aga/article/view/1662>
- Thole, V., Vain, P., Yang, R.Y., da Silva, J.A.B., Enfissi, E.M.A., Nogueira, M., Price. E.J., Alseekh, S., Fernie, A.R., Fraser, P.D., Hanson, P & Martin, C. (2020). Analysis of Tomato Post-harvest Properties: Fruit Color, Shelf Life, and Fungal Susceptibility. *Current Protocols in Plant Biology*, 5: 2-8.

https://www.researchgate.net/publication/340802128_Analysis_of_Tomato_Post-Harvest_Properties_Fruit_Color_Shelf_Life_and_Fungal_Susceptibility

- Tilley, A., McHenry, M. P., Anwar McHenry, J., Solah, V., & Bayliss, K. (2023). Enzymatic browning: The role of substrates in polyphenol oxidase mediated browning. *Current Research in Food Science*, 7, 100623. <https://doi.org/10.1016/j.crfs.2023.100623>.
- U.S. Department of Agriculture. (2021). *Cherry tomatoes*. <https://fdc.nal.usda.gov/fdc-app.html#/food-details/1922954/nutrients>
- Xing, S., Zhang, X., & Gong, H. (2020). *The effect of CO₂ concentration on sweet cherry preservation in modified atmosphere packaging*. *Czech Journal of Food Sciences*, 38(2), 103–108. <https://doi.org/10.17221/255/2019-CJFS>
- Yang, Da., Li, Dongli., Xu, W., Liao, R., Shi, J., Fu, Y., Wang, J., Wang, Y & He, X. (2018). Design and Application of Passive Modified Atmosphere Packaging For Maintaining The Freshness of Chinese Cabbage. *Food Science and Technology*, 94: 136-137. <https://www.sciencedirect.com/science/article/pii/S0023643818303426>.
- Zhang, Y., Butelli, E., Stefano, R.D., Schoonbeek, H., Magusin, A., Pagliarani, C., Wellner, N., Hill, L., Orzaez, D., Granell, A., Jones, J.D.G & Martin, C. (2013). Anthocyanin Double the Shelf Life of Tomatoes by Delaying Overripening and Reducing Susceptibility to Gray Mold. *Current Biology*, 23. <http://dx.doi.org/10.1016/j.cub.2013.04.072>