

DAFTAR PUSTAKA

- Abhar, D.A.M. & Abdulrachman, M. 2023. 'The Role of Agricultural Extensioners in the Development of Tomato Farming in the Neighborhood of Folarora City of Tidore Islands'.(6): 96–104.
- Adejo, G., Agbali, F., & Otokpa, O. 2015. 'Antioxidant, Total Lycopene, Ascorbic Acid and Microbial Load Estimation in Powdered Tomato Varieties Sold in Dutsin-Ma Market'.OALib, (02): 1–7.
- Al-Dairi, M., Pathare, P.B., & Al-Yahyai, R. 2021. 'Chemical and nutritional quality changes of tomato during postharvest transportation and storage'. Journal of the Saudi Society of Agricultural Sciences, 20(6): 401–408.
- Alda, L.M., Gogoasa, L., & Despina-Maria, B. 2009. 'Lycopene content of tomatoes and tomato products'. Journal of Agroalimentary Process and Technologies. 15(4): 540–542.
- Alemu, T. 2023. 'Texture Profile and Design of Food Product'. Journal of Agriculture and Horticulture Research. 6(2): 272–281.
- Alhogbi, B.G., Arbogast, M., & Labreque, M. 2018. 'Osmotic Dehydration Technique as Pre-Treatment in the Potato Slice Drying Process (*Solanum tuberosum* L.)'. Gender and Development, 120(1): 0–22.
- Ali, M.Y., Abu Ali, I.S., & Shadad Saif, K. 2021. 'Nutritional composition and bioactive compounds in tomatoes and their impact on human health and disease: A review'. Foods, 10(1).
- Alipoorfarid, F., Jouki, M., & Tavakolipour, H. 2020. 'Application of sodium chloride and quince seed gum pretreatments to prevent enzymatic browning, loss of texture and antioxidant activity of freeze dried pear slices'. Journal of Food Science and Technology, 57(9): 3165–3175.
- Amalia, A., Dwiyanti, R.D., & Haitami, H. 2016 'Daya Hambat NaCl terhadap Pertumbuhan *Staphylococcus aureus*'. Medical Laboratory Technology Journal, 2(2): 42.
- Amoako-Adusei, R. 2022. 'Tomato Postharvest Losses in Ghana : An Economic Analysis Tomato Postharvest Losses in Ghana : An Economic Analysis'. Hortifresh, 1–27.
- Andaresta, A., Miftakhurrohmat, A., & Intan Rohma, N. 2022. 'Effect of N Fertilizer on the Amount of Chlorophyll and the Quality of Tomatoes (*Lycopersicon esculentum*)'. IOP Conference Series: Earth and Environmental Science, 1104(1): 0–8.
- Andriani, E., Nurwanto, & Hintono, A. 2018. 'Perubahan Fisik Tomat Selama

Penyimpanan Pada Suhu Ruang Akibat Pelapisan Dengan Agar-Agar'. Jurnal Teknologi Pangan, 2(2): 176–182.

- Anggraeni, L., Lubis, N., & Junaedi, E.C. 2021. 'Review: Pengaruh Konsentrasi Garam Terhadap Produk Fermentasi Sayuran'. Jurnal Sains dan Kesehatan, 3(6): 891–899.
- Aono, Y., Asikin, Y., Wang, N., Tieman, D., Klee, H., & Kusano, M. 2021. 'High-throughput chlorophyll and carotenoid profiling reveals positive associations with sugar and apocarotenoid volatile content in fruits of tomato varieties in modern and wild accessions'. Metabolites, 11(6): 398.
- Aprianti, S. & Bintoro, N. 2021. 'The effect of concentrations and exposure durations of ethylene gas on the respiration rate of tomato fruit (*Solanum lycopersicum*)'. IOP Conference Series: Earth and Environmental Science, 653(1).
- Arah, I. K., Amaglo, H., Kumah, E. K., & Ofori, H. 2015. 'Preharvest and Postharvest Factors Affecting the Quality and Shelf Life of Harvested Tomatoes : A Mini Review'. International Journal or Agronomy, 2015(6).
- Arthur, E., Oduro, I., & Kumah, P. 2015. 'Postharvest Quality Response of Tomato (*Lycopersicon Esculentum*, Mill) Fruits to Different Concentrations of Calcium Chloride at Different Dip-Times'. American Journal of Food and Nutrition, 5(1): 1–8.
- Arini, Linda, R., & Mukarlina. 2021. 'Penggunaan Kalium Permanganat (KMnO₄) Untuk Menunda Pematangan Buah Pepaya (*Carica papaya* L.) var. Bangkok'. Protobiont, 4(3): 36–40.
- Arti, I.M., Ramdhan, E.P., & Manurung, A.N.H. 2020. 'Effect Of Salt And Turmeric Solution On The Weight and Total Dissolved Solids Of Tomato Fruit (*Solanum lycopersicum* L.)'. Journal of Precision Agriculture, 4(1): 64–75.
- Ayomide, O.B., Ajayi, O.O., & Ajayi, A.A. 2019. 'Advances in the development of a tomato postharvest storage system: Towards eradicating postharvest losses'. Journal of Physics: Conference Series, 1378(2).
- Baek, S., Lim, J., Lee, J., G., McCarthy, Michael, J., & Kim, S., Min. 2020. 'Investigation of the maturity changes of cherry tomato using magnetic resonance imaging'. Applied Sciences (Switzerland), 10(15): 1–10.
- Barrett, D.M., Garcia, E., & Wayne, J.E. 1998. 'Textural modification of processing tomatoes'. Critical Reviews in Food Science and Nutrition, 38(3): 173–258.
- Benitez, M.M., Saludes, B., Rivera, Fatima, R. S., Michael, A. H., Ericjhon, Eutiquio, S., Analita, E., & Jenny, A.S. 2021. 'Post-harvest characteristics of tomatoes (*Solanum lycopersicum* L.) as affected by treatment with hot water and sodium

hypochlorite under three simple evaporative coolers'. *Asian Journal of Resource Management and Governance*, 1(1): 24-35.

Bertin, N. & Génard, M. 2018. 'Tomato quality as influenced by preharvest factors'. *Scientia Horticulturae*, 233: 264–276.

Bhattarai, K., Sharma, S. & Panthee, D.R. 2018. 'Diversity among Modern Tomato Genotypes at Different Levels in Fresh-Market Breeding'. *International Journal of Agronomy*.

Bhullar, J.S., U.U. Khakhar & R.P. Agnihotri. 1981. Studies of storage of kinnow mandarin. *Punjab Hort. Jour.*, 21: 27- 31

Bonomelli, C., Fernandez, V., & Capurro., F. 2022. 'Absorption and Distribution of Calcium (45 Ca) Applied to the Surface of Orange (*Citrus sinensis*) Fruits at Different Developmental Stages'. *Agronomy*, 12(1): 1-17.

Brummell DA, Harpster MH, Civello PM, Palys JM, Bennett AB, & Dunsmuir P. 1999. Modification of expansin protein abundance in tomato fruit alters softening and cell wall polymer metabolism during ripening. *Plant Cell* 11: 2203-2216.

Busatto, N., Tadiello, A., Trainotti, L., & Costa, F. 2017. 'Climacteric ripening of apple fruit is regulated by transcriptional circuits stimulated by cross-talks between ethylene and auxin'. *Plant Signaling and Behavior*, 12(1): 1–4.

Cao, S. Qu, G., Ma, C., Ba, L., & Ji, N. 2022. 'Effects of melatonin treatment on the physiological quality and cell wall metabolites in kiwifruit'. *Food Science and Technology (Brazil)*, 42: 1–11.

Code of Federal Regulation. 1991. United States Standart for Grades of Fresh Tomatoes. USDA agricultural Marketing Service. Washington DC.

Champathi Gunathilake, D.M.C. & K. Tiwari, A. 2017. 'Evaluation of Efficacy of Washing Treatment for Extending the Post-Harvest Life of Tomato (*Solanum lycopersicum* L)'. *International Journal of Current Microbiology and Applied Sciences*, 6(11): 1999–2004.

Changwal, C., Shukia T., Hussain, Z., Singh, N., Abhijit, K., Virendra, P.S, Abdin, M.Z., & Arora A. 2021. 'Regulation of Postharvest Tomato Fruit Ripening by Endogenous Salicylic Acid'. *Frontiers in Plant Science*, 12(6): 1-16.

Cheng, W., Shukla, T., Hussain, Z., Singh, N., Kar, A., Singh, V., Abdin, M. Z., & Arora, A. 2023. 'The Changes of Antioxidant Contents and Antioxidant Activities of the Tomato Cultivar Fentailang during the Maturity Stages'. *Journal of Oleo Science*, 72(6): 577–583.

Choi, H.G. & Park, K.S. 2023. 'Ripening Process of Tomato Fruits Postharvest: Impact of Environmental Conditions on Quality and Chlorophyll a Fluorescence

Characteristics'. *Horticulturae*, 9(7).

Daher, F.B. & Braybrook, S.A. 2015. 'How to let go: Pectin and plant cell adhesion'. *Frontiers in Plant Science*, 6: 1–8.

Davidson PM. 2001. Chemical preservatives and natural antimicrobial compounds, *Food microbiology: Fundamentals and frontiers*. Doyle MP, Beauchat LR, Montville TJ, editors. Washington, DC: ASM Press.

Demes, R., Satheesh, N. & Fanta, S.W. 2021. 'Effect of different concentrations of the gibberellic acid and calcium chloride dipping on quality and shelf-life of Kochoro variety tomato'. *Philippine Journal of Science*, 150(1): 335–349.

Dewi, A.P. 2019. 'Penetapan Kadar Vitamin C Dengan Spektrofotometri Uv-Vis Pada Berbagai Variasi Buah Tomat'. *JOPS (Journal Of Pharmacy and Science)*, 2(1): 9–13.

Devi, Y. R., Mineshwar, P. & Thokchom, R. 2016. Changes in Vitamin C Content During the Various Stages of Ripening of *Citrus grandis*-A Major Fruit Crop of Sikkim, India. *The Bioscan*; 11; 1461–1463.

Dinata M, Soehardi F. 2018. Factor Analysis of Physics Chemistry Waters that Affects Damage SafetyCliff on the Outskirts of River Siak. *EKSAKTA: Berkala Ilmiah Bidang MIPA*, 19:46-9.

Dobrin, A., Nedelus, A., Bujor, O., Mot, A., Zugravu, M., & Badilescu, L. 2019. 'Nutritional quality parameters of the fresh red tomato varieties cultivated in organic system'. *Horticulture*, LXIII(1): 439–443.

Duan, S., Zhang, C., Song, S., Ma, C., Zhang, C., Xu, W., Bondada, B., Wang, L., & Wang, S. 2022. 'Understanding calcium functionality by examining growth characteristics and structural aspects in calcium-deficient grapevine'. *Scientific Reports*, 12(1): 1–14.

Eboibi, O., Akpokodje, O., & Nyorere. 2021. 'Effect of pre-harvest applications of organic manure and calcium chloride on the storability of tomato fruits'. *Annals of Agricultural Sciences*, 66(2): 142–151.

Feng, Y., Feng, C., Wang, Y., Gao, S., Sun, P., Yan, Z., Su, X., Sun, Y., & Zhu, Q. 2022. 'Effect of CaCl₂ Treatment on Enzymatic Browning of Fresh-Cut Luffa (*Luffa cylindrica*)'. *Horticulturae*, 8(6): 1-16.

Fenn, M.A. & Giovannoni, J.J. 2021. 'Phytohormones in fruit development and maturation'. *Plant Journal*, 105(2): 446–458.

Firmanda Al Riza, D., Arie Nugraha, N. & Darmanto, D. 2023. 'Development of tomato maturity level prediction model based on portable visible spectrometer and machine learning'. *Advances in Food Science, Sustainable Agriculture and Agroindustrial Engineering*, 6(3): 243–252.

- Fonseca, S.C., Oliveira, F.A.R. & Brecht, J.K. 2002. 'Modelling respiration rate of fresh fruits and vegetables'. *Journal of Food Engineering*, 52(2): 99–119.
- Gardjito, M. & Swasti, Y. 2014. *Fisiologi Pascapanen Buah dan Sayur*. Cetakan Pe. Diedit oleh A. Agnes. Yogyakarta: Gadjah Mada University Press
- Garner, D., Crisosto, C.H., Wiley, P. & Crisosto, G.M. 2003. Measurement of pH and Titratable Acidity.
- Gan, L., Song, M., Wang, X., & Li, Y. 2022. 'Cytokinins are involved in regulation of tomato pericarp thickness and fruit size'. *Horticulture Research*, 9: 1-7.
- Gao, J., Zhang, Y., Li, Z., & Liu, M. 2020. 'Role of ethylene response factors (ERFs) in fruit ripening'. *Food Quality and Safety*, 4(1): 15–20.
- Georgaki, E., Nifakos, K., & Kotsiras, A. 2023. 'Comparison of Nutrient Composition and Antioxidant Activity of Hydroponically Grown Commercial and Traditional Greek Tomato Cultivars'. *Horticulturae*, 9(2).
- Gierson, D., & Kader, A. A. 1986. Fruit ripening and quality. *The Tomato Crop*, 241–280.
- Gonçalves, D.C., Morgado, C.M., Aguiar, F.C., Correa, G., Nascimento, A., & Junior, L.C. 2020. 'Postharvest behavior and lycopene content of tomatoes at different harvest times'. *Science, Food Technology and Food Engineering*, 42:1-14.
- González-Buesa, J. & Salvador, M.L. 2019. 'An Arduino-based low cost device for the measurement of the respiration rates of fruits and vegetables'. *Computers and Electronics in Agriculture*, 162 (1): 14–20.
- Gonzali, S. & Perata, P. 2021. 'Fruit colour and novel mechanisms of genetic regulation of pigment production in tomato fruits'. *Horticulturae*, 7(8).
- Gultom, Y.F., Gumaran, S. & Utari, N.W.A. 2024. 'Pengaruh Waktu Simulasi Transportasi Terhadap Kualitas Buah Tomat (*Lycopersicum Esculentum* Mill)'. *Ziraa'Ah Majalah Ilmiah Pertanian*, 49 (1): 133.
- Hayati, R., Hasanuddin & Hayati, M. 2023. 'Pengaruh Konsentrasi NaCl pada Perendaman Tomat Cherry'. *Jurnal Teknologi Pertanian Andalas*, 27: 185–194.
- Herregods M. 1971. Storage of tomatoes. *Acta Hort.* 20: 137-140.
- Ho, Q.T., Marteen L.A.T.M., Hertog, & Pieter. 2018. 'Down-regulation of respiration in pear fruit depends on temperature'. *Journal of Experimental Botany*, 69(8): 2049–2060.
- Hou, X., Zhang, W., Taisheng, Kang, S., & Davies, W. 2020. 'Responses of water

accumulation and solute metabolism in tomato fruit to water scarcity and implications for main fruit quality variables'. *Journal of Experimental Botany*, 71(4): 1249–1264.

Hoda, M.N., G.S. Yadav, S. Singh & J. Singh. 2000. Storage behaviour of mango hybrids. *Indian Journal of Agri. Sci.*, 71: 469-472.

Hunter, R.S. & R.W. Harold. 1975. The measurement of appearance second edition. John Wiley and Sons. New York, Amerika Serikat. 432.

Ibrahim, A.O., Abdul-Hammed, M., Adegboyega, S.A., Olajide, M., & Aliyu, A., A. 2019. 'Influence of the Techniques and Degrees of Ripeness on the Nutritional Qualities and Carotenoid Profiles of Tomatoes (*Solanum lycopersicum*). *Annals of Science and Technology*, 4(1): 48–55.

Iqbal, H.M., Akbar, Q. U., Arif, S., Yousaf, S., & Khursid, S. 2022. 'Maturity Dependent Changes in Post-Harvest Physiological, Antioxidant and Anti-Microbial Attributes of Tomato'. *Pakistan Journal of Agricultural Research*, 35(1): 144–153.

Jayadi, A. 2017. Pengaruh konsentrasi garam dapur (NaCl) terhadap umur simpan dan kualitas buah tomat (*Solanum lycopersicum* L.). Skripsi, Universitas Islam Negeri Mataram.

Swammy, K.R.M. 2023. 'Origin , Distribution , Taxonomy , Botanical Description , Cytogenetics, Genetic Diversity And Breeding Of Okra (*Abelmoschus esculentus* L.)'. *International Journal of Development Research*, 13(03): 62026–62046.

Kader. A.A., W.J. Lipton & L.L. Morris. 1973. Systems for scoring quality of harvested lettuce. *Hortscience* 8 : 408-409.

Kapoor, L., Smikin, A. J., Doss, C.G.P., & Siva, R. 2022. 'Fruit ripening: dynamics and integrated analysis of carotenoids and anthocyanins'. *BMC Plant Biology*, 22(1): 1–22.

Khathir, R., Sukarno Putra, B. & Agustina, R. 2019. 'The Prediction of Tomato shelf-life Based on it's Total Soluble Solid by Using Arrhenius and Q 10 Model'. *Rona Teknik Pertanian*, 12(1): 32–38.

Kikulwe, E.M., Okurut, S., & Ajambo, S. 2018. 'Postharvest losses and their determinants: A challenge to creating a sustainable cooking banana value chain in Uganda'. *Sustainability (Switzerland)*, 10(7): 1–19.

Lathifa, H. 2013. Pengaruh jenis pati sebagai bahan dasar edible coating dan suhu penyimpanan terhadap kualitas buah tomat (*Lycopersicon esculentum* Mill.). Disertasi, Universitas Islam Negeri Maulana Malik Ibrahim.

LI, X., Su, Q., & Jia, R. 2023. 'Comparison of cell wall changes of two different types of apple cultivars during fruit development and ripening'. *Journal of Integrative*

Agriculture, 22(9): 2705–2718.

- Li, Y., Wills, R.B.H. & Golding, J.B. 2015. 'Sodium chloride, a cost effective partial replacement of calcium ascorbate and ascorbic acid to inhibit surface browning on fresh-cut apple slices'. *Lwt*, 64(1): 503–507.
- Liu, B., Xin, M., & Zhang, M. 2023. 'Research Progress on Mango Post-Harvest Ripening Physiology and the Regulatory Technologies'. *Foods*, 12(1): 1–25.
- Liu, X., Ren, J., & Zhu, Y. 2016. 'The preservation effect of ascorbic acid and calcium chloride modified chitosan coating on fresh-cut apples at room temperature'. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 502: 102–106.
- Lina, A, W. 2019. Pengaruh Konsentrasi dan Waktu Aplikasi CaCl_2 terhadap Fisikokimia Buah Tomat (*Lycopersicum esculentum* Mill.). Tesis, Universitas Jember.
- Liza YM, Yasin RC, Maidani SS, & Zainul R. 2018. Sol Gel: Principle And Technique (A Review). *Chemistry Journal*, 3: 1-27.
- Løvda, T., Droogenbroeck, B.V., Eroglu, E.C., Agati, G., & Skipnes, D. 2019. 'Valorization of tomato surplus and waste fractions: A case study using Norway, Belgium, Poland, and Turkey as examples'. *Foods*, 8(7): 1-21.
- Marefatzadeh, K., Fabriki-Ourang, M., Sorkhilalehloo, S., Abbasi-Kohpalekani, B., Jahangir, & Jafar, A. 2021. Genetic diversity in tomato (*Solanum lycopersicum* L.) germplasm using fruit variation implemented by tomato analyzer software based on high throughput phenotyping. *Genetic Resources and Crop Evolution*.
- Maulida, D., Febria, D. & Hamiranti, R. 2022. Pengolahan Hasil Produk Holtikultura.
- Mazumder, M.N.N., Misran, A., Ding, P., Wahab, P.E.M., & Mohamad, A. 2021. 'Effect of harvesting stages and calcium chloride application on postharvest quality of tomato fruits'. *Coatings*, 11(12): 1–23.
- Meléndez-Martínez, A.J. 2019. 'An Overview of Carotenoids, Apocarotenoids, and Vitamin A in Agro-Food, Nutrition, Health, and Disease'. *Molecular Nutrition and Food Research*, 63(15): 1–11.
- Meléndez, F., Sainchez, R., & Fernandez, J. 2023. 'Design of a Multisensory Device for Tomato Volatile Compound Detection Based on a Mixed Metal Oxide—Electrochemical Sensor Array and Optical Reader'. *Micromachines*, 14(9): 1-22.
- Mendoza F, Verboven P, Mebatsion HK, Kerckhofs G, Wevers M, & Nicolai, B. 2007. Three-dimensional pore space quantification of apple tissue using X-ray computed microtomography. *Planta*, 226:559–570
- Minh, N.P. 2022. 'Effectiveness of CaCl_2 treatment on quality attributes of banana fruit during storage'. *Plant Science Today*, 9(1): 206–214.

- Misir, J., H. Brishti, F. & M. Hoque, M. 2014. 'Aloe vera gel as a Novel Edible Coating for Fresh Fruits: A Review'. American Journal of Food Science and Technology, 2(3): 93–97.
- Monfort AJ, Diaz A, Caño-Delgado A, Van Der Knaap E. 2014. The genetic basis of fruit morphology in horticultural crops: lessons from tomato and melon. Journal Exp Bot. 65(16):4625-37.
- Mubarok, S., Qonita, M., & Rahmat, B. 2023. 'An overview of ethylene insensitive tomato mutants: Advantages and disadvantages for postharvest fruit shelf-life and future perspective'. Frontiers in Plant Science, 14: 1–9.
- Mulyani, E. 2018. 'Perbandingan Hasil Penetapan Kadar Vitamin C pada Buah Kiwi (*Actinidia deliciosa*) dengan Menggunakan Metode Iodimetri dan Spektrofotometri UV-Vis'. Jurnal Farmasi, Sains, dan Kesehatan, 3(2): 14–17.
- Naveena, B. & Immanuel, G. 2019. 'Effect of calcium chloride & sodium chloride on storage life of vegetables'. Journal of Pharmacognosy and Phytochemistry, 8(5): 1989–1994.
- Navya Sri, A., Kumari, R., Sai, D., & Venkateswarlu, G. 2022 'Post-harvest handling to reduce loss of fruits and vegetables'. The Pharma Innovation Journal, 11(6): 1873–1879.
- Nyalala, S.P.O. & Wainwright, H. 1998. 'The shelf life of tomato cultivars at different storage temperatures'. Tropical Science, 38(3): 151–154.
- Ngamchuachit, P., Sivertsen, H., & Mitcham, E. 2014. 'Effectiveness of Calcium Chloride and Calcium Lactate on Maintenance of Textural and Sensory Qualities of Fresh-Cut Mangos'. Journal of Food Science, 79(5): 786–794.
- Nguyen, T.T., Uthairatanakij, A., & Srilaong, V. 2021. 'Impact of electron beam irradiation on the chlorophyll degradation and antioxidant capacity of mango fruit'. Applied Biological Chemistry, 64(1).
- Nour, V., Trandafir, I., & Ionica, M.E. 2014. Evolution of antioxidant activity and bioactive compounds in tomato (*Lycopersicon esculentum* Mill.) fruits during growth and ripening. J. Appl. Bot. Food Qual. 87, 97–103.
- Nuridin, R., Mairet, O. & Irwan, S. 2015. 'Analisis kadar vitamin c mangga gadung (*Mangifera* sp) dan mangga golek (*Mangifera indica* L) berdasarkan tingkat kematangan dengan menggunakan metode iodimetri'. Jurnal Akademika Kimia, 4(1), pp. 33–37.
- Ningtyas, R., Dewi, S.M., & Sari, N.P. 2023. 'Increase In Total Dissolved Solids (TPT) and Vitamin C In Tomato using Edible Coating Aloe Vera and Vacuum Packaging'. Indonesian Journal of Contemporary Multidisciplinary Research. 2(4): 559–568.

- OECD. 2017. "Tomato (*Solanum lycopersicum*)", in Safety Assessment of Transgenic Organisms in the Environment, Volume 7: OECD Consensus Documents, OECD Publishing, Paris.
- Pantastico. 1986. Postharvest Handling and Utilization Of Tropical and Subtropical Fruits and Vegetables. Terjemahan Kamarayani dalam Fisiologi Pascapanen, Penanganan dan Pemanfaatan Buah-buahan Tropika dan Subtropika. Gajah Mada Press, Yogyakarta.
- Pantastico, E. R. B. 1993. Fisiologi Panen, Penanganan dan Pemanfaatan Buah- Buah dan Sayuran Tropika dan Subtropika. Yogyakarta. Gajah Mada University Press
- Pantastico, ER.B. 1997. Fisiologi Pascapanen, Penanganan dan Pemanfaatan Buah-buahan dan Sayur-sayuran Tropika dan Subtropika, Ditejemahkan oleh Kamariyani. Gadjah Mada University Press, Yogyakarta.
- Pamungkas, W.A. & Bintoro, N. 2021. 'Evaluation of watermelon ripeness using self-developed ripening detector'. IOP Conference Series: Earth and Environmental Science, 653(1).
- Paul, V. & Pandey, R. 2014. 'Role of internal atmosphere on fruit ripening and storability - A review'. Journal of Food Science and Technology, 51(7): 1223–1250.
- de Paula Vieira, D.A., Caliari, M., de Souza, E. 2020. 'Quantitative Cellular Evaluation and Anatomical Organization of the External Region of Different Genetic Materials and Maturation Stages of Tomato Processing', Brazilian Archives of Biology and Technology, 63.
- Pérez-López, A., Ramirez-Guzman, M.E., & Villasenor-Perea, C.A. 2020. 'Postharvest respiration of fruits and environmental factors interaction: An approach by dynamic regression models'. Scientia Agropecuaria, 11(1), 23–29.
- Perotti, M.F., Posé, D. & Martín-Pizarro, C. 2023. 'Non-climacteric fruit development and ripening regulation: "the phytohormones show". Journal of Experimental Botany, 74(20): 6237–6253.
- Pinho, L., Almeida, A., & Costa, C. 2011. 'Nutritional properties of cherry tomatoes harvested at different times and grown in an organic cropping'. Horticultura Brasileira, 29(2): 205–211.
- Pradhan, A. & Srija, M. 2022. 'Postharvest Quality and Storability of Organically versus Conventionally Grown Tomatoes: A Comparative Approach', 29.
- Quality, P., Mangifera, M., & Khedr, E.H. 2023. 'Synergistic Effects of Tragacanth and Anti-ethylene Treatments on'. Plants, 12(1887): 1-17.
- Quinet, M., Angosto, T., & Yuste-Lisbona, F. 2019. 'Tomato Fruit Development and Metabolism'. Frontiers in Plant Science, 10(11): 1–23.

- R. Lufu, A. Ambaw, & U. L. Opara. 2020. "Water loss of fresh fruit: Influencing pre-harvest, harvest and postharvest factors," . Sci. Hortic. (Amsterdam), 272.
- Rančić, D., S. Pekić Quarrie, & I. Pećinar. 2010. Anatomy of tomato fruit and fruit pedicel during fruit development. Microscopy: Science, Technology, Applications and Education, 4 (2): 851-861.
- Rangel-Vargas, E., Rodriguez, J., & Dominguez, R. 2021. 'Edible mushrooms as a natural source of food ingredient/additive replacer'. Foods, 10(11): 1–19.
- Renaudin, J.P., Deluche, C., & Cheniclet, C. 2017. 'Cell layer-specific patterns of cell division and cell expansion during fruit set and fruit growth in tomato pericarp'. Journal of Experimental Botany. 68(7): 1613–1623.
- Report Linker. 2023. Indonesia Tomato Industry Outlook 2022-2026. Key Market Indicators: Report Linker. Diakses pada tanggal 30 Desember 2023. <<https://www.reportlinker.com/clp/country/484797/726404>>.
- Rima, A. & Ida, A.S. 2015. Buku Ajar Mikrobiologi Pangan.
- Rivera, F.C., Cabillo, C.M., & Quevedo, M.A. 2023. 'Postharvest quality and respiration rate of tomato (*Lycopersicon esculentum* Mill.) as influenced by phytochemical and calcium coatings', 19(03): 1577–1587.
- Rossi, F., Manfrini, M., & Venturi, M. 2022. 'Fruit transpiration drives interspecific variability in fruit growth strategies'. Horticulture Research, 9 (7): 1–10.
- Sabahannur, S. 2020. 'Penggunaan NaCl dan Asam Sitrat untuk Memperpanjang Umur Simpan dan Mutu Cabai Rawit (*Capsicum frutescens* L.)'. Jurnal Galung Tropika, 9(1): 31–40.
- Sandra, R., Damayanti, Y., & Hendrawan. 2020. 'Prediction of tomatoes maturity using TCS3200 color sensor'. IOP Conference Series: Earth and Environmental Science, 475(1): 1-8.
- Sari, L.D.A., Kurniawati, R., & Ningrum. 2021. 'Kadar Vitamin C Buah Tomat (*Lycopersicum esculentum* Mill) Tiap Fase Kematangan Berdasar Hari Setelah Tanam'. Jurnal Farmasi dan Ilmu Kefarmasian Indonesia, 8(1): 74.-82.
- Segado, P., Domínguez, E. & Heredia, A. 2016. 'Ultrastructure of the epidermal cell wall and cuticle of tomato fruit (*Solanum lycopersicum* L.) during development'. Plant Physiology, 170(2): 935–946.
- Seth, Tania. 2017. Quality and nutritional composition in tomato fruit at different stages of maturity. Veg Set, 44: 49-52.
- Shee, A., Mayanja, S., & Simba, E. 2019. 'Determinants of postharvest losses along smallholder producers maize and Sweetpotato value chains: an ordered Probit analysis'. Food Security, 11(5): 1101–1120.

- Shehata, S.A., Abderlrahman, S., & Megahed, M. 2021. 'Extending shelf life and maintaining quality of tomato fruit by calcium chloride, hydrogen peroxide, chitosan, and ozonated water'. *Horticulturae*, 7(9): 1-15.
- Sinha, S.R., Singha, A., & Faruquee, M. 2019. 'Post-harvest assessment of fruit quality and shelf life of two elite tomato varieties cultivated in Bangladesh'. *Bulletin of the National Research Centre*, 43(1): 1-12.
- Sousa, A.R., Oliveira, J.C. & Sousa-Gallagher, M.J. 2017. 'Determination of the respiration rate parameters of cherry tomatoes and their joint confidence regions using closed systems'. *Journal of Food Engineering*, 206: 13-22.
- Sturião, W.P., Martinez, H., & Olivera, L. 2020. 'Deficiency of calcium affects anatomical, biometry and nutritional status of cherry tomato'. *South African Journal of Botany*, 132: 346-354.
- Sui, X., Meng, Z., & Dong, T. 2023. 'Enzymatic browning and polyphenol oxidase control strategies'. *Current Opinion in Biotechnology*, 81(102921): 2-5.
- Sujana, D., Wardani, D. & Nurul, N. 2020. 'Potensi Likopen dari Buah Tomat (*Solanum Lycopersicum* L.) Sebagai Antiaging Topikal'. *Jurnal Insan Farmasi Indonesia*, 3(1): 56-65.
- Sudjatha, W. & Wisaniyasa, N.W. 2017. *Fisiologi Dan Teknologi Pascapanen (Buah Dan Sayuran)*, Udayana University Press.
- Tamasi, G., Pardini, A., & Croce, R. 2021. 'Combined experimental and multivariate model approaches for glycoalkaloid quantification in tomatoes'. *Molecules*, 26(11): 1-15.
- Tarigan, N.Y.S., Utama, I.M.S. & Kencana, P.K.D. 2016. 'Mempertahankan Mutu Buah Tomat Segar Dengan Pelapisan Minyak Nabati'. *Jurnal BETA (Biosistem dan Teknik Pertanian)*, 4(1): 1-9.
- Thole, V., Vain, P., Yang, R., & Ameilda Baroz da Silva. 2020. 'Analysis of Tomato Post-Harvest Properties: Fruit Color, Shelf Life, and Fungal Susceptibility'. *Current protocols in plant biology*, 5(2): 1-17.
- Thole, V., Vain, P. & Martin, C. 2021. 'Effect of elevated temperature on tomato post-harvest properties'. *Plants*, 10(11).
- Tilahun, S., Park, D., Taye, A., & Jeong, C.S. 2017. 'Effect of ripening conditions on the physicochemical and antioxidant properties of tomato (*Lycopersicon esculentum* Mill.)'. *Food Science and Biotechnology*, 26(2): 473-479.
- Tilahun, S., Park, D., & Solomon, T. 2019. 'Maturity stages affect nutritional quality and storability of tomato cultivars'. *CYTA - Journal of Food*, 17(1): 87-95.

- Tolesa, G.N. & Workneh, T.S. 2017. 'Influence of storage environment, maturity stage and pre-storage disinfection treatments on tomato fruit quality during winter in KwaZulu-Natal, South Africa'. *Journal of Food Science and Technology*, 54(10): 3230–3242.
- Tranggono & Sutardi. 1990. *Biokimia dan Teknologi Pascapanen*. Universitas Gadjah Mada, Yogyakarta.
- Treesuwan, K., Jirapakkul, W., & Tongchitpakdee, S. 2023. 'Antimicrobial Mechanism of Salt/Acid Solution on Microorganisms Isolated from Trimmed Young Coconut'. *Microorganisms*, 11(4).
- Utomo, S.B., Fujiyanti, M., & Lestari, W. 2018. 'Uji Aktivitas Antibakteri Senyawa C4 Metoksifenilkaliks Resorsinarena Termodifikasi Hexadecyltrimethylammonium-Bromide terhadap Bakteri *Staphylococcus aureus* dan *Escherichia coli*'. *JKPK (Jurnal Kimia dan Pendidikan Kimia)*, 3(3): 201–209.
- Valšíková-Frey, M., Sopková, D., Rehuš, M., & Komár, P. 2018. Impact of Organic Fertilizers on Morphological and Phenological Properties and Yield of Tomatoes. *Acta Horticulturae et Regiotecturae*, 21(2): 48-53.
- Venkatachalam, K., Lekjing, S., Noonim, P., Charoenphun, N. 2024. 'Extension of Quality and Shelf Life of Tomatoes Using Chitosan Coating Incorporated with Cinnamon Oil', (Ci). *Foods*, 13 (1000): 1-13.
- Waghmare, R.B., Mahajan P.V., & Annapure, U.S. 2013. Modelling the effect of time and temperature on respiration rate of selected fresh-cut produce, *Postharvest Biol. Technol.* 80, 25-30.
- Winarno, F. G. 1984. *Kimia bahan pangan dan gizi*. Jakarta: PT Gramedia Pustaka Utama.
- Włodarczyk, K., Smolińska, B. & Majak, I. 2023. 'The Antioxidant Potential of Tomato Plants (*Solanum lycopersicum* L.) under Nano-ZnO Treatment'. *International Journal Of Molecular Sciences*, 24(14).
- Wongnaa, C.A., Ankomah, A., & Ojo, T. 2023. 'Valuing postharvest losses among tomato smallholder farmers: evidence from Ghana'. *Cogent Food and Agriculture*, 9(1): 1-17.
- Wulandari, F., Saediman & Zani, M. 2019. 'Analisis Pendapatan Usahatani Tomat di Kelurahan Kaisabu Baru Kecamatan Sorawolio Kota Baubau'. *Jurnal Ilmiah Agribisnis*, 4(3): 61–65.
- Xie, F., Yuan, S., Pan, H., Wang, R., Cao, J., & Jiang, W. 2017. 'Effect of yeast mannan treatments on ripening progress and modification of cell wall polysaccharides in tomato fruit'. *Food Chemistry*, 218: 509–517.

- Yani, A., Budi, D.S., Novitasari, E., Novita, D.D., & Asropi. 2023. 'Improving the Shelf Life of Ambon Bananas Lampung Using Static Transportation Method'. IOP Conference Series: Earth and Environmental Science, 1182(1): 1-11.
- Yeshiwas, Y., K. & Tolessa. 2018. Postharvest quality of tomato (*Solanum lycopersicum*) varieties grown under greenhouse and open field conditions. International Journal of Biotechnology and Molecular Biology Research. 9: 1-6.
- Yu, J., Zhu, M., & Bai, M. 2020. 'Effect of calcium on relieving berry cracking in grape (*Vitis vinifera* L.) "Xiangfei". PeerJ, 8: 1-29.
- Zakriya, M., Hussain, A., & Mahdi, A. 2023. 'Effect of different types of ethylene scavengers used in different combinations , on the post - harvest quality and phytochemicals retention of tomatoes (*Solanum lycopersicum* L .)'. Chemical and Biological Technologies in Agriculture, 10(90): 1-15.
- Zekrehiwot, A., Yetenayet, B.T., & Ali, M. 2017. 'Effects of edible coating materials and stages of maturity at harvest on storage life and quality of tomato (*Lycopersicon Esculentum* Mill.) fruits'. African Journal of Agricultural Research, 12(8): 550-565.
- Zhao, T., Nakano, A., & Iwasaki, Y. 2021. 'Differences between ethylene emission characteristics of tomato cultivars in tomato production at plant factory'. Journal of Agriculture and Food Research, 5(100181): 1.