DAFTAR PUSTAKA

Abu-Khalaf, N., & Hmidat, M. (2020). Visible/Near Infrared (VIS/NIR) Spectroscopy As An Optical Sensor for Evaluating Olive Oil Quality. *Computers and Electronics in Agriculture*, 173, 1-8. https://doi.org/10.1016/j.compag.2020.105445

Aggarwal, C. C., & Yu, P. S. (2001). Outlier Detection for High Dimensional Data. *Proceedings of the 2001 ACM SIGMOD international conference on Management of data*, 37–46. https://doi.org/10.1145/375663.375668

Agustina, S., Purwanto, Y.A., & Budiastra, I.W. (2015). Arumanis Mango Chemical Contents Prediction during Storage using NIR Spectroscopy. *Keteknikan Pertanian*, 3(1), 57-63.

Ahmad, U., Darmawati, E., & Refilia, N.R.(2014). Study on Method of Waxing on Quality and Shelf Life of Semi Cutting Mangosteen (*Garcinia Mangostana*) in Low Temperature Storage. *Ilmu Pertanian Indonesia (JIIPI)*, 19(2), 104-110.

Akbar, Y. M., Masithoh, Dr. R. E., & Khuriyati, N. (2017). Aplikasi Analisis Multivariat Berdasarkan Warna untuk Memprediksi Brix dan pH pada Pisang. *Agritech*, *37*(1), 108 - 114. https://doi.org/10.22146/agritech.17022

Alamar, P. D., Caramês, E. T. S., Poppi, R. J., & Pallone, J. A. L. (2016). Quality Evaluation of Frozen Guava and Yellow Passion Fruit Pulps by NIR Spectroscopy and Chemometrics. *Food Research International*, *85*, 209–214. https://doi.org/10.1016/j.foodres.2016.04.027

Alfaro, J. L., & Ortega, J. F. (2009). A Comparison of Robust Alternatives to Hotelling's T2 Control Chart. *Journal of Applied Statistics*, *36*(12), 1385–1396. https://doi.org/10.1080/02664760902810813

Ali, A., Muhammad, M., Sijam, K., & Siddiqui, Y. (2011). Effect of Chitosan Coatings on The Physicochemical Characteristics of Eksotika II Papaya (*Carica papaya L.*) Fruit during Cold Storage. *Food Chemistry*, 124, 620-626. https://doi.org/10.1016/j.foodchem.2010.06.085

Ali, M.M., Janius, R.B., Nawi, N.M., & Hashim, N. (2018). Prediction of Total Soluble Solids and pH Banana using Near Infrared Spectroscopy. *Engineering science and Tchnology*, 13(1), 254-264.

Alia-Tejacal, I., Villanueva-Arce, R., Pelayo-Zaldívar, C., Colinas-León, M. T., López-Martínez, V., & Bautista-Baños, S. (2007). Postharvest Physiology and Technology of Sapote Mamey Fruit (*Pouteria sapota* (*Jacq.*) H.E. Moore & Stearn). *Postharvest Biology and Technology*, 45(3), 285-297. https://doi.org/10.1016/j.postharvbio.2006.12.024

Aris Purwanto, Y., Wayan Budiastra, I., Syamsu, K., Teknik Pertanian, J., & Teknologi Pertanian, F. (2014). NIR Prediction of Catechin Content in Gambier (*Uncaria gambir Roxb*.) using NIR Spectroscopy. *Khaswar Syamsu J* Tek, 24(1), 383-289.

Arnal M. A., & Del RÌo, L. (2004). Effect of Cold Storage and Removal Astringency on Quality of Persimmon Fruit (*Diospyros kaki, L.*) *cv. Rojo Brillante*. *Food Sci Tech*, 10(3), 179-185. https://doi.org/0.1177/1082013204044824

Aubert, C., Bony, P., Chalot, G., Landry, P., & Lurol, S. (2014). Efects of Storage Temperature, Storage Duration, and Subsequent Ripening on The Physicochemical Characteristics, Volatile Compounds, and Phytochemicals of Western Red Nectarine (*Prunus persica L. Batsch*). *Agric Food Chem*, 62, 4707–4724. https://doi.org/10.1021/jf4057555

Barshan, E., Ghodsi, A., Azimifar, Z., & Zolghadri Jahromi, M. (2011). Supervised Principal Component Analysis: Visualization, Classification and Regression on Subspaces and Submanifolds. *Pattern Recognition*, *44*(7), 1357–1371. https://doi.org/10.1016/j.patcog.2010.12.015

Bhande, S. D., Ravindra, M. R., & Goswami, T. K. (2008). Respiration Rate of Banana Fruit Under Aerobic Conditions at Different Storage Temperatures. *Journal of Food Engineering*, *87*(1), 116–123. https://doi.org/10.1016/j.jfoodeng.2007.11.019

Bhernama, B. G., Safni, & Syukri. (2015). Degradasi Zat Warna Metanil Yellow dengan Penyinaran Matahari dan Penambahan Katalis TiO_2-SnO_2. *Latanida Journal,* 3(2). http://dx.doi.org/10.22373/lj.v3i2.1653

Bobelyn, E., Serba, A.S., Nicu, M., Lammertyn, J., Nicolai, B.M., & Saeys, W. (2010). Postharvest Quality of Apple Predicted by NIR-Spectroscopy: Study of The Effect of Biological Variability on Spectra and Model Performance. *Postharvest Biology and Technology*, 55, 133-143. https://doi.org/10.1016/j.postharvbio.2009.09.006

Bro, R., & Smilde, A. K. (2014). Principal Component Analysis. *Analytical Methods*, *6*(9), 2812–2831. https://doi.org/10.1039/c3ay41907j

Büning-Pfaue, H. (2003). Analysis of Water in Food by Near Infrared Spectroscopy. *Food Chemistry*, *82*(1), 107–115. https://doi.org/10.1016/S0308-8146(02)00583-6

Cen, H., Bao, Y., He, Y., & Sun, D. W. (2007). Visible and Near Infrared Spectroscopy for Rapid Detection of Citric and Tartaric Acids in Orange Juice. *Journal of Food Engineering*, *82*(2), 253–260. https://doi.org/10.1016/j.jfoodeng.2007.02.039

Chandrasekaran, I., Panigrahi, S. S., Ravikanth, L., & Singh, C. B. (2019). Potential of Near-Infrared (NIR) Spectroscopy and Hyperspectral Imaging for Quality

and Safety Assessment of Fruits: an Overview. *Food Analytical Methods*, 12(11), 2438-2458. https://doi.org/10.1007/s12161-019-01609-1

Chapanya, P., Ritthiruangdej, P., Mueangmontri, R., Pattamasuwan, A., & Vanichsriratana, W. (2019). Temperature Compensation on Sugar Content Prediction of Molasses by Near-Infrared Spectroscopy (NIR). *Sugar Tech*, *21*(1), 162–169. https://doi.org/10.1007/s12355-018-0635-x

Chavan, S.R., Patil, M.B., Phad, G.N., & Suryawanashi, A.B. (2009). Effect of Growth Regulators on Yield Attributes and Quality Of Sapota [*Manilkara achras* (Mill.) Forsberg] cv. Kalipatti. *Asian J Hortic*, 4(1), 176–177.

Cheng, J. H., & Sun, D. W. (2017). Partial Least Squares Regression (PLSR) Applied to NIR and HSI Spectral Data Modeling to Predict Chemical Properties of Fish Muscle. *Food Engineering Reviews,* 9(1), 36-49. https://doi.org/10.1007/s12393-016-9147-1

Chen, Q., Jiang, P., & Zhao, J. (2010). Measurement of Total Flavone Content in Snow Lotus (*Saussurea involucrate*) using Near Infrared Spectroscopy Combined with Interval PLS and Genetic Algorithm. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, *76*(1), 50–55. https://doi.org/10.1016/j.saa.2010.02.045

Choi, J. H., Chen, P. A., Lee, B. H. N., Yim, S. H., Kim, M. S., Bae, Y. S., Lim, D. C., & Seo, H. J. (2017). Portable, Non-Destructive Tester Integrating VIS/NIR Reflectance Spectroscopy for The Detection of Sugar Content in Asian pears. *Scientia Horticulturae*, *220*, 147–153. https://doi.org/10.1016/j.scienta.2017.03.050

Clegg, S.M., Sklute, E., Dyar, D.M., Barefield, J.E., & Wiens, R.C. 2009. Multivariate Analysis of Remote Laser-Induced Breakdown Spectroscopy Spectra using Partial Least Squares, Principal Component Analysis, and Related Techniques. *Spectrochimica Acta Part B*, 64, 79-88. https://doi.org/10.1016/j.sab.2008.10.045

Clément, A., Dorais, M., & Vernon, M. (2008). Nondestructive measurement of Fresh Tomato Lycopene Content and Other Physicochemical Characteristics using Visible NIR Spectroscopy. *Journal of Agricultural and Food Chemistry*, *56*(21), 9813–9818. https://doi.org/10.1021/jf801299r

Crismas, S.Y.S, Purwanto, Y.A., & Sutrisno. (2018). Application of Cold Storage for Raja Sere Banana (*Musa acuminata colla*). *IOP Conference Proceedungs,* 147. https://doi.org/10.1088/1755-1315/147/1/012015

Crisosto, C. H., & Crisosto, G. M. (2005). Relationship Between Ripe Soluble Solids Concentration (RSSC) and Consumer Acceptance of High and Low Acid Melting Flesh Peach and Nectarine (*Prunus persica (L.) Batsch*) Cultivars. *Postharvest Biology and Technology*, 38(3), 239–246.

David, J. (2018). Pengaruh Suhu dan Lama Penyimpanan pada Buah Pepaya Madu. *Agros*, 20(2), 114-122.

de Oliveira, G. A., de Castilhos, F., Renard, C. M. G. C., & Bureau, S. (2014). Comparison of NIR and MIR Spectroscopic Methods for Determination of Individual Sugars, Organic Acids and Carotenoids in Passion Fruit. *Food Research International*, *60*, 154–162. https://doi.org/10.1016/j.foodres.2013.10.051

Desmonda, Y., Novita, D.D., & Lanya, B. (2016). Character of physical and Chemical of 'Crystal' Guava Fruit (*Psidium guajava* L.) During The Storage. *Teknotan*, 10(2), 27-33.

Dhyan, C. S., Hadi Sumarlan, S., & Susilo, B.(2014). The Influence of Bee Wax Coating and Storage Temperature on Guava's Quality (*Psidium guajava L.*). *Jurnal Bioproses Komoditas Tropis*, 2(1), 1-4.

Einbond, L. S., Reynertson, K. A., Luo, X. D., Basile, M. J., & Kennelly, E. J. (2004). Anthocyanin Antioxidants From Edible Fruits. *Food chemistry*, 84(1), 23-28. https://doi.org/10.1016/S0308-8146(03)00162-6

Escribano, S., Biasi, W. v., Lerud, R., Slaughter, D. C., & Mitcham, E. J. (2017). Non-Destructive Prediction of Soluble Solids and Dry Matter Content using NIR Spectroscopy and Its Relationship with Sensory Quality in Sweet Cherries. *Postharvest Biology and Technology*, *128*, 112–120. https://doi.org/10.1016/j.postharvbio.2017.01.016

Fabi, J. P., Fernanda, •, Gonçalves Peroni, H., Passanezi, M. L., & Gomez, A. (2009). Papaya, Mango and Guava Fruit Metabolism During Ripening: Postharvest Changes Affecting Tropical Fruit Nutritional Content and Quality. *Fresh Prod,* 4, 56-66.

Foo, S.Y., Hanani, Z.A., Rozzami, A., Ibadullah, W.Z., Fitry, M.R. (2019). Efect of Chitosan–Beeswax Edible Coatings on The Shelf-Life of Sapodilla (*Achras zapota*) fruit. *Packaging Technology and Research*, 3, 27-34. https://doi.org/10.1007/s41783-018-0047-0

Ganjyal, G. M., Hanna, M. A., & Devadattam, D. S. K. (2003). Processing of Sapota (Sapodilla): Drying. *Journal of Food Science*, 68(2), 517-520. https://doi.org/10.1111/j.1365-2621.2003.tb05704.x

Genard, M., Reich, M., Lobit, P., & Besset, J. (1999). Correlations Between Sugar and Acid Content and Peach Growth. *Journal of Horticultural Science and Biotechnology*, *74*(6), 772–776. https://doi.org/10.1080/14620316.1999.11511187

Giangiacomo, R. (2006). Study of Water-Sugar Interactions at Increasing Sugar Concentration by NIR Spectroscopy. *Food Chemistry*, *96*(3), 371–379. https://doi.org/10.1016/j.foodchem.2005.02.051

Golic, M. I., Alsh, K. W., & Lawson, P. (2003). Short-Wavelength Near-Infrared Spectra of Sucrose, Glucose, and Fructose with Respect to Sugar

Concentration and Temperature. *Applied Spectroscopy*, 57(2), 139-145. https://doi.org/10.1366/000370203321535033

Golic, M., & Walsh, K. B. (2006). Robustness of Calibration Models Based on Near Infrared Spectroscopy for The In-Line Grading of Stonefruit for Total Soluble Solids Content. *Analytica Chimica Acta*, *555*(2), 286–291. https://doi.org/10.1016/j.aca.2005.09.014

Gómez, A. H., He, Y., & Pereira, A. G. (2006). Non-destructive Measurement of Acidity, Soluble Solids and Firmness of Satsuma Mandarin using Vis/NIR-Spectroscopy Techniques. *Journal of Food Engineering*, *77*(2), 313–319. https://doi.org/10.1016/j.jfoodeng.2005.06.036

Gonçalves, B.J, Giarola, T.M., Pereira, D., Boas, E.V., Resende, J.V. (2016). Using Infrared Thermography to Evaluate The Injuries of Cold-Stored Guava. *Food Sci Technol,* 53(2), 1063–107. https://doi.org/0.1007/s13197-015-2141-4

Gunasekara, S. R. W., Hemamali, K. K. G. U., Dayananada, T. G., & Jayamanne, V. S. (2015). Post Harvest Quality Analysis of "Embul" Banana Following Artificial Ripening Techniques. *International Journal of Science, Environment and Technology*, 4(6), 1625-1632.

Guo, W., Li, W., Yang, B., Zhu, Z. Z., Liu, D., & Zhu, X. (2019). A Novel Noninvasive and Cost-Effective Handheld Detector on Soluble Solids Content of Fruits. *Journal of Food Engineering*, *257*, 1–9. https://doi.org/10.1016/j.jfoodeng.2019.03.022

Guo, Z., Wang, M., Shujat, A., Wu, J., El-Seedi, H., Shi, J., Ouyang, Q., Chen, Q., & Zou, X. (2020). Nondestructive Monitoring Storage Quality of Apples at Different Temperatures by Near-Infrared Transmittance Spectroscopy. *Food Science and Nutrition,* 8(7), 3793-3805. https://doi.org/10.1002/fsn3.1669

Hadiwijaya, Y., Kusumiyati, K., & Munawar, A. A. (2020). Penerapan Teknologi Visible-Near Infrared Spectroscopy untuk Prediksi Cepat dan Simultan Kadar Air Buah Melon (Cucumis melo L.) Golden. *Agroteknika*, *3*(2), 67–74. https://doi.org/10.32530/agroteknika.v3i2.83

Hageman, J. A., Westerhuis, J. A., & Smilde, A. K. (2005). Temperature Robust Multivariate Calibration: An Overview of Methods for Dealing with Temperature Influences on Near Infrared Spectra. *J. Near Infrared Spectrosc*, 13(2), 53-62. https://doi.org/10.1255/jnirs.457

Hattori, Y., Otsuka, M. (2017). Modeling of Feed-Forward Control Using The Partial Least Square Regression Method in the Table Compression Process. *Int. J. Pharm*, 524, 407-413. https://doi.org/10.1016/j.ijpharm.2017.04.004

Hong, T., Tsou, S., & Tsou, S. C. (1998). Determination of Tomato Quality Determination of tomato quality by near infrared spectroscopy. *J. Near Infrared Spectrosc*, 6(A), 321-324.

Hsieh, C., & Lee, Y. (2004). Applied Visible/Near-Infrared Spectroscopy on Detecting The Sugar Content and Hardness of Pearl Guava. *Applied Engineering in Agriculture*, 21(6), 1039-1046. https://doi.org/10.13031/2013.20020

Hu, W., Sun, D.-W., Pu, H. & Pan, T. (2016). Recent Developments in Methods and Techniques for Rapid Monitoring of Sugar Metabolism in Fruits. *Comprehensive reviews in food science and food safety*, 15, 1067-1079. https://doi.org/10.1111/1541-4337.12225

Huang, H., Jian, Q., Jiang, Y., Duan, X., & Qu, H. (2016). Enhanced Chilling Tolerance of Banana Fruit Treated with Malic Acid Prior to Low-Temperature Storage. *Postharvest Biology and Technology*, *111*, 209–213. https://doi.org/10.1016/j.postharvbio.2015.09.008

Intan Mokhtar, S., Chee Leong, P., Ee Ven, L., Ain Abd Aziz, N., & Seri Intan Mokhtar, A. (2014). Total Phenolic Contents, Antioxidant Activities and Organic Acids Composition of Three Selected Fruit Extracts at Different Maturity Stages. *J. Trop. Resour. Sustain. Sci*, *2*, 40–46.

Iqbal, Z., Adiyaksa, I.P., Komariyah, A.N., Damayanti, R., Kamal, M.A., Hawa, L.C, & Hendrawan, Y. (2020). Developing Partial Least Square (PLS) Internal Parameters of Apple (*Malus sylvestris L.*) cv. Manalagi by Means of UV/Vis Spectroscopy. *IOP Conference Proceedungs*. https://doi.org/10.1088/1755-1315/475/1/012004

Iqbal, Z., Herodian, S., & Widodo, S. (2018). Evaluasi Non-Destrustif Kandungan Asam Lemak Bebas (ALB) Tandan Buah Segar (TBS) Kelapa Sawit dengan Metode NIR Spektroskopi. *Teknik Pertanian*, 7(2), 80-87.

Janse Van Vuuren, J. A., & Groenewald, C. A. (2013). Use of Scanning Near-Infrared Spectroscopy as a Quality Control Indicator for Bulk Blended Inorganic Fertilizers. *Communications in Soil Science and Plant Analysis*, *44*(1–4), 120–135. https://doi.org/10.1080/00103624.2013.736141

Jha, S. N., & Ruchi, G. (2010). Non-destructive Prediction of Quality of Intact Apple Using Near Infrared Spectroscopy. *Journal of Food Science and Technology*, *47*(2), 207–213. https://doi.org/10.1007/s13197-010-0033-1

Jiang, Y., Joyce, D. C., Jiang, W., & Lu, W. (2004). Effects of Chilling Temperatures on Ethylene Binding by Banana Fruit. *Plant Growth Regulation*, 43, 109-115. https://doi.org/10.1023/B:GROW.0000040112.19837.5f

Jiao, Y., Li, Z., Chen, X., & Fei, S. (2020). Preprocessing Methods for Near-Infrared Spectrum Calibration. *Journal of Chemometrics*, *34*(11), 1-19. https://doi.org/10.1002/cem.3306

Jie, D., & Wei, X. (2018). Review on The Recent Progress of Non-Destructive Detection Technology for Internal Quality of Watermelon. In *Computers and Electronics in Agriculture*, 151, 156-164. https://doi.org/10.1016/j.compag.2018.05.031

Kadam, D.M., Kaushik, P., & Kumar, R. (2012). Evaluation of Guava Products Quality. *Food Science and Nutrition Engineering*, 2(1), 7-11. https://doi.org/10.5923/j.food.20120201.02

Kalsum, U., Sukma, D., & Susanto, S. (2017). Pengaruh Bahan Kemasan terhadap Kualitas dan Masa Simpan Buah Jamb Biji Merah (*Psidium guajava L.). Pertanian presisi,* 1(1), 17-27.

Kasampalis, D. S., Tsouvaltzis, P., Ntouros, K., Gertsis, A., Gitas, I., & Siomos, A. S. (2021). The use of Digital Imaging, Chlorophyll Fluorescence and Vis/NIR Spectroscopy in Assessing The Ripening Stage and Freshness Status of Bell Pepper Fruit. *Computers and Electronics in Agriculture*, *187*. https://doi.org/10.1016/j.compag.2021.106265

Khodabakhshian, R., Emadi, B., Khojastehpour, M., & Golzarian, M. R. (2019). A Comparative Study of Reflectance and Transmittance Modes of Vis/NIR Spectroscopy Used in Determining Internal Quality Attributes in Pomegranate fruits. *Journal of Food Measurement and Characterization*, *13*(4), 3130–3139. https://doi.org/10.1007/s11694-019-00235-z

Kulkarni, A. P., Policegoudra, R. S., & Aradhya, S. M. (2007). Chemical Composition and Antioxidant Activity of Sapota (*Achras Sapota Linn.*) *Fruit*. Journal of Food Biochemistry, 31, 399-414. https://doi.org/10.1111/j.1745-4514.2007.00122.x

Kumaravelu, C., & Gopal, A. (2015). Review on the applications of Near-Infrared Spectrometer and Chemometrics for the Agro-Food Processing Industries. IEEE *Technological Innovation in ICT for Agriculture and Rural Development*, 8-12. https://doi.org/10.1109/TIAR.2015.7358523

Kusumiyati, Farida, W., Sutari, & S., Mubarok. (2017). Mutu Buah Sawo Selama Periode Simpan Berbeda. *Kultivasi*, 16(3), 451-455. https://doi.org/10.24198/kultivasi.v16i3.14385

Kusumiyati, Hadiwijaya, Y., & Elisa Putri, I. (2018). Determination of Water Content of Intact Sapodilla Using Near Infrared Spectroscopy. *IOP Conference Series: Earth and Environmental Science*, *207*(1). https://doi.org/10.1088/1755-1315/207/1/012047

Kusumiyati, Hadiwijaya, Y., Putri, I. E., & Mubarok, S. (2019). Water content Prediction of 'Crystal' Guava Using Visible-Near. *IOP Conf. Series: Earth and Environmental Science*, *393*.

Kusumiyati, Hadiwijaya, Y., Elisa, I., & Arip, A. (2021). Heliyon Multi-product Calibration Model for Soluble Solids and Water Content Quantification in Cucurbitaceae Family , Using Visible / Near-Infrared Spectroscopy. *Heliyon*, *7*(8), 1-8. https://doi.org/10.1016/j.heliyon.2021.e07677

Lamikanra, O.(2001). Fresh-cut Fruit and Vegetable. CFC Press: Boca Raton.

Lastriyanto, A., Sumarlan, S.H., Rahmawati, S.R. (2018). Studi Karakteristik Fisik Keripik Pepaya (*Carica papaya L.*) hasil vacuum frying terhadap Tingkat Kematangan dan Perlakuan Blansing. Keteknikan Pertanian Tropis dan Biosistem, 6(2), 135-144.

Lee, P. R., Tan, R. M., Yu, B., Curran, P., & Liu, S. Q. (2013). Sugars, Organic Acids, and Phenolic Acids of Exotic Seasonable Tropical Fruits. *Nutrition and Food Science*, *43*(3), 267–276. https://doi.org/10.1108/00346651311327927

Lee, S., Choi, H. K., Cho, S. K., & Kim, Y. S. (2010). Metabolic analysis of Guava (Psidium guajava L.) Fruits at Different Ripening Stages using Different Data-Processing Approaches. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, *878*(29), 2983–2988. https://doi.org/10.1016/j.jchromb.2010.09.003

Li, J., Zhang, H., Zhan, B., Wang, Z., & Jiang, Y. (2019). Determination of SSC in Pears by Establishing The Multi-Cultivar Models Based on Visible-NIR Spectroscopy. *Infrared Physics and Technology*, *102*. https://doi.org/10.1016/j.infrared.2019.103066

Lin, L., Wang, Y., Teng, J., & Wang, X. (2016). Hyperspectral Analysis of Soil Organic Matter in Coal Mining Regions Using Wavelets, Correlations, and Partial Least Squares Regression. Environmental Monitoring and Assessment, 188(2), 1–11. https://doi.org/10.1007/s10661-016-5107-8

Liu, C., Yang, S. X., & Deng, L. (2015). Determination of Internal Qualities of Newhall Navel Oranges Based on NIR Spectroscopy using Machine Learning. *Journal of Food Engineering*, *161*, 16–23. https://doi.org/10.1016/j.jfoodeng.2015.03.022

Liu, J., Han, J., Xie, J., Wang, H., Tong, W., & Ba, Y. (2020). Assessing Heavy Metal Concentrations in Earth-Cumulic-Orthic-Anthrosols Soils using Vis-NIR Spectroscopy Transform Coupled with Chemometrics. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, *226*. https://doi.org/10.1016/j.saa.2019.117639

Liu, R., Qi, S., Lu, J., & Han, D. (2015). Measurement of Soluble Solids Content of Three Fruit Species Using Universal Near Infrared Spectroscopy Models. *Journal of Near Infrared Spectroscopy*, *23*(5), 301–309. https://doi.org/10.1255/jnirs.1156

Lobit, P., Génard, M., Wu, B. H., Soing, P., & Habib, R. (2003). Modelling Citrate Metabolism In Fruits: Responses to Growth and Temperature. *Journal of Experimental Botany*, *54*(392), 2489–2501. https://doi.org/10.1093/jxb/erg264

M. Kadam, D., Kaushik, P., & Kumar, R. (2012). Evaluation of Guava Products Quality. *International Journal of Food Science and Nutrition Engineering*, *2*(1), 7–11. https://doi.org/10.5923/j.food.20120201.02

Maduwanthi, S. D. T., & Marapana, R. A. U. J. (2019). Comparative Study on Aroma Volatiles, Organic Acids, and Sugars of Ambul Banana (*Musa acuminata*, AAB) Treated with Induced Ripening Agents. *Journal of Food Quality*, *2019*, 1-9. https://doi.org/10.1155/2019/7653154

Maesschalck, R. De, & Massart, D. L. (2000). The Mahalanobis Distance. *Chemometrics and Intelligent Laboratory Systems*, 50(1), 1-18. https://doi.org/10.1016/S0169-7439(99)00047-7

Magwaza, L. S., & Opara, U. L. (2015). Analytical Methods for Determination of Sugars and Sweetness of Horticultural Products-A review. *Scientia Horticulturae,* 184, 179-192. https://doi.org/10.1016/j.scienta.2015.01.001

Magwaza, L. S., Opara, U. L., Nieuwoudt, H., Cronje, P. J. R., Saeys, W., & Nicolaï, B. (2012). NIR Spectroscopy Applications for Internal and External Quality Analysis of Citrus Fruit-A Review. *Food and Bioprocess Technology*, 5(2), 425-444. https://doi.org/10.1007/s11947-011-0697-1

Mahajan, Bv., Rattan Sharma, S., & Kumar Dhall, R. (2009). Optimization of Storage Temperature for Maintaining Quality of Guava Development of Mono-Picking Pea Variety for Mechanical Harvesting and Processing View project Development of Parthenocarpic Cucumber Vaieties for Poly-Net House Cultivation View project. *Article in Journal of Food Science and Technology*, 46(6), 604-605.

Mahesh, S., Jayas, D. S., Paliwal, J., & White, N. D. G. (2015). Comparison of Partial Least Squares Regression (PLSR) and Principal Components Regression (PCR) Methods for Protein and Hardness Predictions using the Near-Infrared (NIR) Hyperspectral Images of Bulk Samples of Canadian Wheat. *Food and Bioprocess Technology*, *8*(1), 31–40. https://doi.org/10.1007/s11947-014-1381-z

Manickavasagan, A., Ganeshmoorthy, K., Claereboudt, M. R., Al-Yahyai, R., & Khriji, L. (2014). Non-destructive Measurement of Total Soluble Solid (TSS) Content of Dates using Near Infrared (NIR) Imaging. *Emirates Journal of Food and Agriculture*, *26*(11), 970–976. https://doi.org/10.9755/ejfa.v26i11.18102

Martinsen, P., & Schaare, P. (1998). Measuring soluble solids distribution in kiwifruit using near-infrared imaging spectroscopy. *Postharvest Biology and Technology*, 14(3), 271-281. https://doi.org/10.1016/S0925-5214(98)00051-9

Masithoh, R. E., Pahlawan, M. F. R., & Wati, R. K. (2021). Non-destructive Determination of SSC and pH of Banana using a Modular Vis/NIR Spectroscopy: Comparison of Partial Least Square (PLS) and Principle Component Regression (PCR). *IOP Conference Series: Earth and Environmental Science*, *752*(1). https://doi.org/10.1088/1755-1315/752/1/012047

Masithoh, R. E., Rahardjo, B., Sutiarso, L., & Hardjoko, A. (2012). Multivariate Approach to The Measurement of Tomato (*Lycopersicon esculentum*) Quality Based on Color Parameters. *AGRITECH*, 32(1), 79-86.

Mcglone, V. A., Fraser, D. G., Jordan, R. B., & Künnemeyer, R. (2003). Internal Quality Assessment of Mandarin Fruit V. *J. Near Infrared Spectrosc*, 11, 323-332.

Mendoza, F., & Aguilera, J. M. (2004). Application of Image Analysis for Classification of Ripening Bananas. *Journal of Food Science*, 69(9), 471-477. https://doi.org/10.1111/j.1365-2621.2004.tb09932.x

Minas, I.S., Fernando, B.C., & David, S. (2021). Accurate Non-Destructive Prediction of Peach Fruit Internal Quality and Physiological Maturity with A Single Scan using Near Infrared Spectroscopy. *Food Chemistry*, 335, 1-13 https://doi.org/10.1016/j.foodchem.2020.127626

Mishra, P., Biancolillo, A., Roger, J. M., Marini, F., & Rutledge, D. N. (2020). New Data Preprocessing Trends Based on Ensemble of Multiple Preprocessing Techniques. *TrAC - Trends in Analytical Chemistry*, 132. https://doi.org/10.1016/j.trac.2020.116045

Mohd Ali, M., Hashim, N., & Janius, R. B. (2018). Prediction of Total Soluble Solids and pH in Banana Using Near Infrared Spectroscopy. *Journal of Engineering Science and Technology*, 13(1), 254-264.

Muhammad, K., Safdar, N., Mumtaz, A., Amjad, M., Siddiqui, N., Raza, S., & Saddozai, A. A. (2014). Quality of Guava Leather As Influenced by Storage Period and Packing Materials. *Sarhad J. Agric*, 30(2), 7-11. https://doi.org/10.5923/j.food.20120201.02

Munawar, A. A., von Hörsten, D., Wegener, J. K., Pawelzik, E., & Mörlein, D. (2016). Rapid and Non-Destructive Prediction of Mango Quality Attributes using Fourier Transform Near Infrared Spectroscopy and Chemometrics. *Engineering in Agriculture, Environment and Food*, *9*(3), 208–215. https://doi.org/10.1016/j.eaef.2015.12.004

Murmu, S. B., & Mishra, H. N. (2018). Post-harvest Shelf-Life of Banana and Guava: Mechanisms of Common Degradation Problems and Emerging Counteracting Strategies. *Innovative Food Science and Emerging Technologies*, 49, 20-30. https://doi.org/10.1016/j.ifset.2018.07.011

Ncama, K., Opara, U. L., Tesfay, S. Z., Fawole, O. A., & Magwaza, L. S. (2017). Application of Vis/NIR Spectroscopy for Predicting Sweetness and Flavour Parameters of 'Valencia' Orange (*Citrus sinensis*) and 'Star Ruby' Grapefruit (*Citrus x paradisi Macfad*). *Journal of Food Engineering*, *193*, 86–94. https://doi.org/10.1016/j.jfoodeng.2016.08.015

Nicolaï, B.M., Beullens, K., Bobelyn, E., Peirs, A., Saeys, W., Theron, K.I., & Lammertyn, J., (2007). Nondestructive Measurement of Fruit and Vegetable Quality by Means of NIR Spectroscopy: A Review. *Postharvest Biol. Technol*. 46, 99–118. https://doi.org/10. 1016/j.postharvbio.2007.06.024

Nielsen, S. S. (2017). Food Analysis Fifth Edition. In *Food Analysis*. https://doi.org/10.1038/1841347a0

Oraguize, N., Alspach, P., Volz, R., Whiteworth, C., Ranatunga, C., Weskett, R., & Harker, R. (2009). Postharvest Assessment of Fruit Quality Parameters in Apple Using Both Instruments and An Expert Panel. *Postharvest Biology and Technology*, 52, 279-287. https://doi.org/10.1016/j.postharvbio.2009.01.004

Othman, S.H., Abdullah, N.A., Nordin, N., Shah, N.N., Nor, M.Z., & Yunos, K.F. (2021). Shelf Life Extension of Saba Banana: Effect of Preparation, Vacuum Packaging, and Storage Temperature. *Food Packaging and Shelf Life*, 28, 1-7. https://doi.org/10.1016/j.fpsl.2021.100667

Ozaki, Y. (2012). Ozaki Yokihiro. -2012- Near-Infrared Spectroscopy—Its Versatility in Analytical. *Analytical Sciences*, *28*, 545–563.

Pahlawan, M. F. R., Wati, R. K., & Masithoh, R. E. (2020). Development of a Low-Cost Modular VIS/NIR Spectroscopy for Predicting Soluble Solid Content of Banana. *IOP Conference Series: Earth and Environmental Science*.

Pahlawan, M.F. (2021). Pengembangan Model Spektroskopi Visible/Near Infrared (Vis/NIR) untuk Memprediksi Derajat Keasaman, Total Padatan Terlarut, dan Warna Buah dengan Variasi Ketebalan Kulit dan Jarak Probe-Sampel. Tesis. Fakultas Teknologi Pertanian, Universitas Gadjah Mada Yogyakarta.

Palta, J. P. (1990). Leaf Chlorophyll Content. *Remote Sensing Reviews*, *5*(1), 207–213. https://doi.org/10.1080/02757259009532129

Pan, L., Lu, R., Zhu, Q., McGrath, J. M., & Tu, K. (2015). Measurement of Moisture, Soluble Solids, Sucrose Content and Mechanical Properties in Sugar Beet Using Portable Visible and Near-Infrared Spectroscopy. *Postharvest*

Biology and Technology, *102*, 42–50. https://doi.org/10.1016/j.postharvbio.2015.02.005

Paul, V., Pandey, R., & Srivastava, G. C. (2012). The Fading Distinctions Between Classical Patterns of Ripening in Climacteric and Non-Climacteric Fruit and The Ubiquity of Ethylene-An overview. In *Journal of Food Science and Technology*, 49(1), 1-21. https://doi.org/10.1007/s13197-011-0293-4

Paull, R. E. (1999). Effect of Temperature and Relative Humidity on Fresh Commodity Quality. *Postharvest Biology and Technology*, 15(3), 263-277. https://doi.org/10.1016/S0925-5214(98)00090-8

Paz, P., Sánchez, M. T., Pérez-Marín, D., Guerrero, J. E., & Garrido-Varo, A. (2008). Nondestructive Determination of Total Soluble Solid Content and Firmness in Plums using Near-Infrared Reflectance Spectroscopy. *Journal of Agricultural and Food Chemistry*, *56*(8), 2565–2570. https://doi.org/10.1021/jf073369h

Pedro, A. M. K., & Ferreira, M. M. C. (2007). Simultaneously Calibrating Solids, Sugars and Acidity of Tomato Products Using PLS2 and NIR spectroscopy. *Analytica Chimica Acta*, *595*(1-2), 221–227. https://doi.org/10.1016/j.aca.2007.03.036

Peshlov, B. N., Dowelt, F. E., Drummond, F. A., & Donahue, D. W. (2009). Comparison of Three Near Infrared Spectrophotometers for Infestation Detection in Wild Blueberries using Multivariate Calibration Models. *Journal of Near Infrared Spectroscopy*, *17*(4), 203–212. https://doi.org/10.1255/jnirs.842

Posom, J., Klaprachan, J., Rattanasopa, K., Sirisomboon, P., Saengprachatanarug, K., & Wongpichet, S. (2020). Predicting Marian Plum Fruit Quality Without Environmental Condition Impact by Handheld Visible-Near-Infrared spectroscopy. *ACS Omega*, *5*(43), 27909–27921. https://doi.org/10.1021/acsomega.0c03203

Priambodo, D. C., Saputro, D., Pahlawan, M. F. R., Saputro, A. D., & Masithoh, R. E. (2022). Determination of Acid Level (pH) and Moisture Content of Cocoa Beans at Various Fermentation Level Using Visible Near-Infrared (Vis-NIR) Spectroscopy. *IOP Conference Series: Earth and Environmental Science*, *985*(1). https://doi.org/10.1088/1755-1315/985/1/012045

Pu, Y. Y., O'Donnell, C., Tobin, J. T., & O'Shea, N. (2020). Review of Near-Infrared Spectroscopy as A Process Analytical Technology for Real-Time Product Monitoring in Dairy Processing. *International Dairy Journal*, 103. https://doi.org/10.1016/j.idairyj.2019.104623

Purwoko, B.S., & Suryana, K. (2000). Efek Suhu Simpan dan Pelapisan Terhadap Perubahan Kualitas Buah Pisang Cavendish. *Agronomi Indonesia*, 28(3), 77-84https://doi.org/10.24831/jai.v28i3.1557

Qi, S., Oshita, S., Makino, Y., & Han, D. (2017). Influence of Sampling Component on Determination of Soluble Solids Content of Fuji Apple Using Near-Infrared Spectroscopy. *Applied Spectroscopy*, *71*(5), 856–865. https://doi.org/10.1177/0003702816658671

Qiu, N. W., Jiang, D. C., Wang, X. S., Wang, B. S., & Zhou, F. (2019). Advances in The Members and Biosynthesis of Chlorophyll Family. *Photosynthetica*, 57(4), 974-984. https://doi.org/10.32615/ps.2019.116

Qiuping, Z., Wenshui, X., & Jiang, Y. (2006). Effects of 1-Methylcyclopropene Treatments on Ripening and Quality of Harvested Sapodilla Fruit. *Food Technology and Biotechnology*, *44*(4), 535–539.

Rady, A., Sugiharto, S., & Adedeji, A. (2018). Evaluation of Carrot Quality Using Visible-Near Infrared Spectroscopy and Multivariate Analysis. *Journal of Food Research*, *7*(4), 80. https://doi.org/10.5539/jfr.v7n4p80

Rajkumar, P., Wang, N., EImasry, G., Raghavan, G. S. V., & Gariepy, Y. (2012). Studies on Banana Fruit Quality and Maturity Stages Using Hyperspectral Imaging. *Journal of Food Engineering*, *108*(1), 194–200. https://doi.org/10.1016/j.jfoodeng.2011.05.002

Rashidi, M., & Bahri, M. H. (2009). Effects of Relative Humidity, Coating Methods and Storage Periods on Some Qualitative Characteristics of Carrot During Cold Storage. In *J. Agric and Environ. Sci,* 5(3), 359-367

Reyes, M. U., & Paul1, R. E. (1995). Effect of Storage Temperature and Ethylene Treatment on Guava (Psidium guajava L.) Fruit Ripening. *Postharvest Biology and Technology*, 6, 357-367.

Rinnan, Å., Berg, F. van den, & Engelsen, S. B. (2009). Review of The Most Common Pre-Processing Techniques for Near-Infrared Spectra. *TrAC - Trends in Analytical Chemistry,* 28(10), 1201-1222. https://doi.org/10.1016/j.trac.2009.07.007

Rojas-Garbanzo, C., Gleichenhagen, M., Heller, A., Esquivel, P., Schulze-Kaysers, N., & Schieber, A. (2017). Carotenoid Profile, Antioxidant Capacity, and Chromoplasts of Pink Guava (*Psidium guajava L. Cv. 'Criolla'*) during Fruit Ripening. *Journal of Agricultural and Food Chemistry*, *65*(18), 3737–3747. https://doi.org/10.1021/acs.jafc.6b04560

Sa'adah, K., Susilo, B., & Yulianingsih, R. (2015). Pengaruh Pelapisan Lilin Lebah dan Pengemasan Terhadap Karakteristik Buah Mangga Apel (Mangifera indica L.) selama Penyimpanan Suhu Ruang. *Jurnal Teknik Pertanian*, *3*(3), 364–371.

Saad, A., Gawad Saad, A., Jaiswal, P., & Narayan Jha, S. (2014). Non-destructive Quality Evaluation of Intact Tomato Using VIS-NIR Spectroscopy Related Papers Non-Destructive Quality Evaluation of Intact Tomato Using VIS-NIR Spectroscopy. *International Journal of Advanced Research*, *2*, 632–639.

Saha, P., Roy, N., Mukherjee, D., & Kumar, A. (2016). Application of Principal Component Analysis for Outlier Detection in Heterogeneous Traffic Data. *Procedia - Procedia Computer Science*, *83*(Ant), 107–114. https://doi.org/10.1016/j.procs.2016.04.105

Saha, S., Singh, J., Paul, A., Sarkar, R., Khan, Z., & Banerjee, K. (2021). Anthocyanin Profiling using UV-vis spectroscopy and Liquid Chromatography Mass Spectrometry. *Journal of AOAC International*, 103(1), 23-39. https://doi.org/10.5740/jaoacint.19-0201

Saida, M. D. N., Rinawati, Ss., Karlina Seran, S., Yani Supriyati, Ss., Megawati Manurung, S., Sehusman, S., Ir Wieta Komalasari, S. B., & Ir Sabarella, Ms. (2020). Buletin Konsumsi Pangan. *Pusat Data dan Sistem Informasi Pertanian Sekretariat Jenderal Kementerian Pertanian*, 11(2), 1-82

Ścibisz, I., Reich, M., Bureau, S., Gouble, B., Causse, M., Bertrand, D., & Renard, C. M. G. C. (2011). Mid-Infrared Spectroscopy as A Tool for Rapid Determination of Internal Quality Parameters in Tomato. *Food Chemistry*, *125*(4), 1390–1397. https://doi.org/10.1016/j.foodchem.2010.10.012

Siddiqui, M.W., Longkumer, M., Ahmad, Md. S., Barman, K., Thakur, P. K., Kabir, J. (2014). Postharvest Biology and Technology Of Sapota: A Concise Review. *Acta Phsyiol Plant*, 36, 3115-3122. https://doi.org/10.1007/s11738-014-1696-4

Sim Choo, W. (2018). Fruit Pigment Changes During Ripening. *Encyclopedia of Food Chemistry*. https://doi.org/10.1016/B978-0-12-814026-0.21656-9

Siriboon, N., & Banlusilp, P. (2004). A Study on the Ripening Process of "Namwa" Banana. *AU Journal of Technology,* 7(4), 159–164.

Siriwardana, H., Abeywickrama, K., Kannangara, S., & Jayawardena, B. (2017). Control Of Postharvest Crown Rot Disease in Cavendish Banana with Aluminium Sulfate and Vacuum Packaging. *Journal of Agricultural Sciences*, 12, 162–171. http://doi.org/10.4038/jas.v12i3.8263

Subedi, P. P., & Walsh, K. B. (2011). Assessment of Sugar and Starch in Intact Banana and Mango Fruit by SWNIR Spectroscopy. *Postharvest Biology and Technology*, *62*(3), 238–245. https://doi.org/10.1016/j.postharvbio.2011.06.014

Sudha Durairajan, & Malarkodi Raja. (2022). Nutritional Content and Antioxidant Properties of Sapota (*Manilkara Achras Forb.)* Fruit Varieties. *International*

Journal of Research in Pharmaceutical Sciences, *13*(1), 79–85. https://doi.org/10.26452/ijrps.v13i1.24

Suhandy, D., & Yulia, M. (2021). *Tutorial Analisis Data Spektra Menggunakan The Unscrambler ®*. Graha Ilmu.

Suhandy, D., Yulia, M., Kuncoro, S., Rhinaldo, W., Kondo, N., & Ogawa, Y. (2010). The Measurement of Soluble Solids Content in Snake Fruit *(Salacca Edulis Reinw) cv.* Pondoh Using A Portable Spectrometer. 235-240 https://doi.org/https://doi.org/10.3182/20101206-3-JP-3009.00041

Thennadil, S. N., Dewar, M., Herdsman, C., Nordon, A., & Becker, E. (2018). Automated Weighted Outlier Detection Technique for Multivariate Data. *Control Engineering Practice*, 70, 40–49. https://doi.org/10.1016/j.conengprac.2017.09.018

Toledo-Martín, E. M., García-García, M. C., Font, R., Moreno-Rojas, J. M., Gómez, P., Salinas-Navarro, M., & del Río-Celestino, M. (2016). Application of Visible/Near-Infrared Reflectance Spectroscopy for Predicting Internal and External Quality in Pepper. *Journal of the Science of Food and Agriculture*, *96*(9), 3114–3125. https://doi.org/10.1002/jsfa.7488

Vibhute, A. D., Kale, K. V., Mehrotra, S. C., Dhumal, R. K., & Nagne, A. D. (2018). Determination of Soil Physicochemical Attributes in Farming Sites Through Visible, Near-Infrared Diffuse Reflectance Spectroscopy and PLSR Modeling. *Ecological Processes*, 7(1). https://doi.org/10.1186/s13717-018-0138-4

Walsh, K. B., Blasco, J., Zude-Sasse, M., & Sun, X. (2020). Visible-NIR 'Point' Spectroscopy in Postharvest Fruit and Vegetable Assessment: The Science Behind Three Decades of Commercial Use. *Postharvest Biology and Technology*,168. https://doi.org/10.1016/j.postharvbio.2020.111246

Wang, A., Hu, D., & Xie, L. (2014). Comparison of Detection Modes in Terms of The Necessity of Visible Region (VIS) and Influence of The Peel on Soluble Solids Content (SSC) Determination of Navel Orange Using VIS-SWNIR Spectroscopy. *Journal of Food Engineering*, *126*, 126–132. https://doi.org/10.1016/j.jfoodeng.2013.11.011

Wang, H., Peng, J., Xie, C., Bao, Y., & He, Y. (2015). Fruit Quality Evaluation Using Spectroscopy Technology: A review. *Sensors (Switzerland),* 15(5), 11889-11927. https://doi.org/10.3390/s150511889

Wang, Z. W., Duan, H. W., & Hu, C. Y. (2009). Modelling The Respiration Rate of Guava (*Psidium Guajava L.*) Fruit Using Enzyme Kinetics, Chemical Kinetics and Artificial Neural Network. *European Food Research and Technology*, *229*(3), 495–503. https://doi.org/10.1007/s00217-009-1079-z

Wilson, C. W., Shaw, P. E., & Campbella, C. W. (1982). Determination of Organic Acids and Sugars in Guava (*Psidium guajava L.*) Cultivars by High-performance Liquid Chromatography. *J. Sci. Food Agric*, 33(8), 777-780. https://doi.org/10.1002/jsfa.2740330815

Wu Z, Xu E, Long J, Pan X, Xu X, Jin Z, Jiao A (2016) Comparison between ATR-IR, Raman, Concatenated ATR-IR and Raman spectroscopy for The Determination of Total Antioxidant Capacity and Total Phenolic Content of Chinese Rice Wine. *Food Chem*, 194, 671–679. https://doi.org/10.1016/j.foodchem.2015.08.071

Wulfert, F., Th Kok, W., & Smilde, A. K. (1998). Near Infrared Spectros-copy: Bridging the Gap between Data Analysis and NIR Applications. *J. Chem. Soc., Faraday Trans*, 70(9), 1761-1767. https://doi.org/10.1021/ac9709920

Xiaobo, Z., Jiewen, Z., Povey, M. J. W., Holmes, M., & Hanpin, M. (2010). Variables Selection Methods in Near-Infrared Spectroscopy. *Analytica Chimica Acta*, 667(1-2), 14-32. https://doi.org/10.1016/j.aca.2010.03.048

Xu X, Mo J, Xie L, & Ying Y. (2019). Influences of Detection Position and Double Detection Regions on Determining Soluble Solids Content (SSC) for Apples Using On-line Visible/Near-Infrared (Vis/NIR) Spectroscopy. *Food Analytical Methods*, 12(9), 2078-2085. https://doi.org/10.1007/s12161-019-01530-7

Xu, H., Caramanis, C., & Mannor, S. (2013). Outlier-Robust PCA : The High-Dimensional Case. In *IEEE Transactions on Information Theory 59*(1), 546–572.

Xu, H., Qi, B., Sun, T., Fu, X., & Ying, Y. (2012). Variable Selection In Visible and Near-Infrared Spectra: Application to On-Line Determination of Sugar Content in Pears. *Journal of Food Engineering*, *109*(1), 142–147. https://doi.org/10.1016/j.jfoodeng.2011.09.022

Xu, X., Xie, L., & Ying, Y. (2019). Factors Influencing Near Infrared Spectroscopy Analysis of Agro-Products: A review. *Frontiers of Agricultural Science and Engineering*, *6*(2), 105–115. https://doi.org/10.15302/J-FASE-2019255

Yahia, E. M., & Gutierrez-Orozco, F. (2011). Sapodilla (*Manilkara achras (Mill) Fosb., syn Achras sapota L.*). *Postharvest Biology and Technology of Tropical and Subtropical Fruits*, 4. https://doi.org/10.1533/9780857092618.351

Yang, C., Duan, W., Kaili, X., Chuanhong, R., Changqing, Z., Kunsong, C., & Bo, Z. (2020). Effect of Salicylic Acid Treatment on Sensory Quality, Flavor-Related Chemicals and Gene Expression in Peach Fruit After Cold Storage. *Biology and Technology*, 161, 1-10. https://doi.org/10.1016/j.postharvbio.2019.111089

Yap, M., Fernando, W. M. A. D. B., Brennan, C. S., Jayasena, V., & Coorey, R. (2017). The Effects of Banana Ripeness on Quality Indices for Puree Production. *LWT - Food Science and Technology*, *80*, 10–18. https://doi.org/10.1016/j.lwt.2017.01.073

Yu, S., Xiao, X., Ding, H., Xu, G., Li, H., & Liu, J. (2017). Weighted Partial Least Squares Based on The Error and Variance of The Recovery Rate in Calibration Set. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 183, 138-143. https://doi.org/10.1016/j.saa.2017.04.029

Yulianti, E. L., Hasbullah, R., & Purwanti, N. (2016). Pengaruh Perlakuan Air Panas terhadap Mutu Buah Jambu Biji (Psidium guajava L.) Selama Penyimpanan. *Jurnal Keteknikan Pertanian*, *4*(2), 171–178. https://doi.org/10.19028/jtep.04.2.171-178

Zeaiter, M., Roger, J. M., & Bellon-Maurel, V. (2005). Robustness of Models Developed by Multivariate Calibration. Part II: The Influence of Pre-Processing Methods. *TrAC - Trends in Analytical Chemistry*, *24*(5), 437–445. https://doi.org/10.1016/j.trac.2004.11.023

Zhang, D., Xu, L., Wang, Q., Tian, X., & Li, J. (2019). The Optimal Local Model Selection for Robust and Fast Evaluation of Soluble Solid Content in Melon with Thick Peel and Large Size by Vis-NIR Spectroscopy. *Food Analytical Methods*, *12*(1), 136–147. https://doi.org/10.1007/s12161-018-1346-3

Zhang, L., Xu, H., & Gu, M. (2014). Use of Signal to Noise Ratio and Area Change Rate of Spectra to Evaluate the Visible/NIR Spectral System for Fruit Internal Quality Detection. *Journal of Food Engineering*, *139*, 19–23. https://doi.org/10.1016/j.jfoodeng.2014.04.009

Zhang, M., Zhao, C., Shao, Q., Yang, Z., Zhang, X., Xu, X., & Hassan, M. (2019). Determination of Water Content in Corn Stover Silage Using Near-Infrared Spectroscopy. *International Journal of Agricultural and Biological Engineering*, *12*(6), 143–148. https://doi.org/10.25165/j.ijabe.20191206.4914

Zhang, Y., Nock, J. F., al Shoffe, Y., & Watkins, C. B. (2019). Non-destructive Prediction of Soluble Solids and Dry Matter Contents in eight Apple Cultivars Using Near-Infrared Spectroscopy. *Postharvest Biology and Technology*, *151*, 111–118. https://doi.org/10.1016/j.postharvbio.2019.01.009

Zhao, Y., Zhu, X., Hou, Y., Pan, Y., Shi, L., & Li, X. (2021). Effects of Harvest Maturity Stage on Postharvest Quality of Winter Jujube (*Zizyphus jujuba* Mill. cv. Dongzao) Fruit During Cold Storage. *Scientia Horticulturae*, 277, 1-7. https://doi.org/10.1016/j.scienta.2020.109778

Zhou, D., Chen, S., Xu, R., Tu, S., & Tu, K., 2019. Interactions Among Chilling Tolerance, Sucrose Degradation and Organic Acid Metabolism in UV-C-Irradiated Peach Fruit during Postharvest Cold Storage. *Acta Physiol. Plant.* 41, 79. https://doi.org/10. 1007/s11738-019-2871-4.

Zude, M., Pflanz, M., Kaprielian, C., & Aivazian, B. L. (2008). NIRS as a Tool for Precision Horticulture in The Citrus Industry. *Biosystems Engineering*, *99*(3), 455–459. https://doi.org/10.1016/j.biosystemseng.2007.10.016