

Daftar Pustaka

- Agustin, A. T. 2013. Gelatin Ikan: Sumber, Komposisi Kimia, dan Potensi Pemanfaatannya. *Jurnal Media Teknologi Hasil Perikanan*. 1(2): 44 – 46.
- Alexandra, Y., dan Nurlina. 2014. Aplikasi *Edible Coating* dari Pektin Jeruk Songhi Pontianak (*Citrus nobilis var Microcarpa*) Pada Penyimpanan Buah Tomat. *JKK*. 3 (4): 11-20.
- Andriani, E.S., Nurwantoro, & Hintono, A. 2018. Perubahan Fisik Tomat Selama Penyimpanan Pada Suhu Ruang Akibat Pelapisan Dengan Agar-agar. *Jurnal Teknologi Pangan*. 2(2): 176-182.
- AOAC. 1995. *Official Methods of Analysis*. Washington DC: Association of Official Analytical Chemist Inc.
- Apriyanti, D., Rokhati, N., Mawarni, N., & Istirokhatun, T. 2018. Edible Coating from Green Tea Extract and Chitosan to Preserve Strawberry. *MATEC Web of Conferences*. 156: 1-5.
- Arti, I.M., Ramdhan, E.P., & Manurung, A.N.H. 2020. Pengaruh Larutan Garam dan Kunyit Pada Berat Total Padatan Terlarut Buah Tomat. *Jurnal Pertanian Presisi*. 4 (1): 64-75.
- Banu, T., Ramani, S., & Muragan, A. 2020 Effect of Seaweed Coating on Quality Characteristic and Shelf Life of Tomato (*Lycopersicon esculentum mill*). *Food Science and Human Wellness*. 9: 176-183.
- Baldwin, E. A., Nisperos, M. O., Chen, X., & Hagenmaier, R. D. 1996. Improving Storage Life of Cut Apple and Potato With Edible Coating. *Postharvest Biol. Technol*. 9:151–163.
- Bhowmik, D., Kumar, K.P.S., Paswan, S., & Srivasta, S. 2012. Tomato A Natural Medicine and Its Health Benefits. *Journal of Pharmacognosy and Phytochemistry*. 1 (1) : 24-36.
- Borguini, R., & Torres, E. 2009. Tomatoes and Tomato Products as Dietary Sources of Antioxidants. *Food Rev. Intern*. 25: 313-325.
- Breemer, R., Picauly, P., & Hasan, N. 2017. Pengaruh *Edible Coating* Berbahan Dasar Pati Sagu Tunj (*Metroxylon rumphii*) Terhadap Mutu Buah Tomat Selama Penyimpanan. *AGRITEKNO, Jurnal Teknologi Pertanian*. 6 (1): 14-20.
- Burton-Freeman, B., & Reimers, K. 2010. Tomato Consumption and Health: Emerging Benefits. *American Journal of Lifestyle Medicine*. 10 (10) : 1-10.
- Chacko, S.M., Thambi, P.T., Kuttan, R., & Nishigaki, I. Beneficial Effect of Green Tea: A Literature Review. *Chinese Medicine*. 5 (13): 1-9.
- Cipolatti, E.P., Kupski, L., da Rocha, M., Oliveira, M.S., Buffon, J.G., & Furlong, E.B. 2012. Application of Protein-Phenolic Based Coating on Tomatoes (*Lycopersicum esculentum*). *Ciencia e Tecnologia de Alimentos*. 32 (3) : 594-598.
- Dawid, J. 2016. The Role of Tomato Products for Human Health (*Solanum lycopersicum*). *Journal of Health, Medicine, and Nursing*. 33: 66-74.
- Dávila-Avina, J.E., Villa-Rodriguez, J.A., Villegas-Ochoa, M.A., Tortoledo-Ortiz, O., Olivas, G.I., Ayala-Zavala, J.F., & González-Aguilar, G.A. 2012.

Effect Of Edible Coatings on Bioactive Compounds and Antioxidant Capacity of Tomatoes at Different maturity Stages. *Journal Food Science Technology*.

- De Lacey, A.M.L., Lopez-Caballero, M.E., & Montero, P. 2014. Agar Films Containing Green Extract and Probiotic Bacteria For Extending Fish Shelf-Life. *Food Science and Technology*. 55 (2014) : 559-564.
- De Quadros, *et al.* 2020. Wffect of The Edible Coating With Protein Hydrolysate on Cherry Tomatoes Shelf life. *J Food Process Preserv* 2020. 1-9.
- Dhall, R.K. 2013. Advances in Edible Coatings For Fresh Fruits and Vegetables. *Critical Review in Food Sciense and Nutrition*. 53 : 435-450.
- Dong, H. W. Zhou, L. Sonoga, A. Lers, & S. Lurie. 2001. Ripening of Red Rosa Plums: Effect of Ethylen and 1-methylcyclopropane. *Australian Journal of Plant Physiology*. 28 : 1039-1045.
- Donhowe, I. G., & Fennema, O. R. 1993. The Effects of Plasticizers on CrysTallinity, Permeability, and Mechanical Properties of Methylcellulose Films. *J. Food Process. Pres.* 17:247–257.
- Fendriansah, Tamrin, & Oktarin. 2014. Pengaruh Media Penyimpanan (Biji Plastik) Terhadap Umur Simpan Wortel Segar (*Daucus carrota* L.). *Jurnal Teknik Pertanian Lampung*. 3 (2): 111-118.
- Fitri, A. 2016. Pektin Dari Kulit Buah Kakao (*Theobroma cacao* L) Sebagai *Edible Coating* Buah Tomat. *Skripsi*. Kendari: Universitas Halu Leo.
- Gebremariam, G. 2015. Tuta Absoluta: A Global Looming Challenge in Tomato Production. *Journal of Biology, Agriculture, and Healthcare*. 5 (14) : 57-62.
- Giménez, B., de Lacey, A.P., Pérez-Santín, E., López-Cabellero, M.E., & Montero, P. 2013. Release of Active Compounds From Agar and Agar-Gelatin Films With Green Tea Extract. *Food Hydrocolloids*. 30 (2013) : 264-271.
- Gómez-Estaca, J., Gómez-Guillén, M.C., Fernández-Martín, F., & Montero, P. 2011. Effects of Gelatin Origin, Bovine-Hide and Tuna-Skin, on The Properties of Compound Gelatine-Chitosan Films. *Food Hydrocolloids*. 25 (2011) : 1461-1469.
- Guo, Y., Zhang, B., Zhao, S., Qiao, D., & Xie, F. 2021. Plasticized Starch/Agar Composite Films: Processing, Morphology, Structure, Mechanical Properties and Surface Hydrophilicity. *Coatings*. 25 (2021) : 1461-1469.
- Gitierrez, E.E.V. 2018. An Overview of Recent Studies of Tomato (*Solanum lycopersicum* spp) From a Social, Biochemical and Genetic Perspective on Quality Parameter. *Introductory Paper*. 2018 (3).
- Halid, E., Mutalib, A., Inderiati, S., & Rahmad, D. 2021. Pertumbuhan dan Produksi Tanaman Tomat (*Lycopersium esculentum* Mill.) Pada Pemberian Berbagai Dosis Bubuk Cangkang Telur. *Journal Agroplanta*. 10 (1) : 59-66.
- Han, J.H. 2005. *Innovations in Food Packaging*. UK : Elsevier Ltd.
- Harper, *et al.* 1986. *Pangan, Gizi, dan Pertanian*. Jakarta: Universitas Indonesia.
- Hartanto, T. 2017. Aplikasi *Edible Coating* Ekstrak Daun Cincau Hitam (*Melasthia paluris*) Untuk Memperpanjang Umur Simpan Tomat

- (*Solanum lycopersicum*). Skripsi. Yogyakarta: Universitas Muhammdiyah Yogyakarta.
- Herdina, N. 2011. Pengurangan *Chilling Injury* Pada Buah Tomat (*Lycopersicum esculentum*) Melalui *Aloe vera Coating* Selama Penyimpanan Dingin. *Jurnal Penyuluhan Pertanian*. 6 (1): 25-33.
- Herpandi, Huda, N., Rosma., & Wan Nadiyah W.A. 2011. The Tuna Fishing Industry: A New Outlook on Fish Protein Hydrolysates. *Comprehensive Reviews in Food Science and Food Safety*. 10 : 195-207.
- Hong, Y.H., Lim, G.O., & Song, K.B. 2009. Physical Properties of Gelidium corneum-Gelatin Blend Films Containing Grapefruit Seed Extract or Green Tea Extract and Its Application in The Packaging of Pork Loin. *Journal of Food Science*. 74 (1) : 6-10.
- Hoque, M. S. 2011. Improvement of Properties of Edible Film Based on Gelatin from Cuttlefish (*Sepia pharanois*) Skin. *Thesis*. Songkhla, Thailand: Prince of Songkla University.
- Hutabarat, O.S. 2008. Kajian Pengurangan Gejala *Chilling Injury* Tomat yang Disimpan Pada Suhu Rendah. *Tesis*. Bogor: Institut Pertanian Bogor.
- Iflah, T., Sutrisno, & Sunarti, T.C. 2012. Pengaruh Kemasan *Starch-Based Plastics* (Bioplastik) Terhadap Mutu Tomat dan Paprika Selama Penyimpanan. *Jurnal Teknologi Industri Pertanian*. 22 (3): 189-197.
- Irianto, H.E. 2008. Teknologi Penanganan dan Penyimpanan Ikan Tuna Sugar di Atas Kapal. *Squalen*. 3 (2): 41-50.
- Joanna, T., Małgorzata, M., Piotr, & K. Zając, M. 2018. Characterization of Carp (*Cyprinus carpio*) Skin Gelatin Extracted Using Different Pretreatments Method. *Food Hydrocolloids*. 81:169 – 179.
- Jridi, M., Abdelhedi, O., Zouari, N., Fakhfakh, N., & Nasri, M. 2018. Development and Characterization of Grey Triggerfish Gelatin/Agar Bilayer and Blend Films Containing Vine Leaves Bioactive Compounds. *Food Hydrocolloids*. 89 (2019) : 370-278.
- Kaewdang, O., & Benjakul, S. 2015. Effect of Ethanolic Extract of Coconut Husk on Gel Properties of Gelatin From Swim Bladder of Yellowfin Tuna. *LWT-Food Science and Technology*. 62: 955 – 961.
- Kokoszka, S., & Lenart, A. 2007. Edible coatings-Formation, Characteristics and Use. *Polish Journal Of Food and Nutrition Science*. 57 (4) : 399-404.
- Kopjar, M., Tadic, M., & Pilizota, V. 2015. Phenol Content and Antioxidant Activity of Green, Yellow, and Black Tea Leaves. *Chemical and Biological Technologies in Agriculture*. 2 (1) : 1-6.
- Kusumiyati, Farida, Sutari, W., Hamdani, J.S., & Mubarok, S. 2018. Pengaruh Waktu Simpan Terhadap Nilai Total Padatan Terlarut, Kekerasan, dan Susut Bobot Buah Mangga Arummanis. *Jurnal Kultivasi*. 17 (3): 766-771.
- Laohakunjit, N., & Noomhorm, A. 2004. Effect of Plasticizers on Mechanical and Barrier Properties of Rice Starch Film. *Starch*. 56: 348 – 356.
- Lathifa, H. 2013. Pengaruh Jenis Pati Sebagai *Edible Coating* dan Suhu Penyimpanan Terhadap Kualitas Buah Tomat. *Skripsi*. Malang: Universitas Islam Negeri Maulana Malik Ibrahim.

- Lestari, R., & Darmayanti, S. 2021. Analisa Kualitatif dan Kuantitatif Vitamin C Pada Buah Pepaya Dengan Metode Spektrofotometri UV-Vis. *Jurnal Proteksi Kesehatan*. 10 (1): 62-68.
- Licodiedoff, S., Koslowski, L. A. D., Scartazzini, L., Monteiro, A. R., Ninow, J. L., & Borges, C. D., 2015. Consevation of Physalis by Edible Coating of Gelatin and Calcium Chloride. *International Food Research Journal*. 23(4): 1629 – 1634.
- Lorenzo, J.M., & Munekata, P.E.S. 2016. Phenolic Compounds of Green Tea: Health Benefits and Technological Application in Food. *Asian Pacific Journal of Tropical Biomedicine*. 6 (8): 709-719.
- Muharom, Y.P., Anna, Z., Riyantini, I., & Suryana, A.A.H. 2019. Analisis Nilai Tambah Industri Pengolahan Ikan Tuna di Kawasan Pelabuhan Perikanan Samuderaa Nizam Zachman Jakarta. *Jurnal Perikanan dan Kelautan*. 10 (2): 9-16.
- Milda, E.E., & Kerry, C.H. 2009. *Edible Films and Coatings for Food Applications*. New York: Springer science and Business Media LLC.
- Mohajer, S., Rezaei, M., & Hosseini, S.F. 2016. Physico-chemical and Microstructural Properties of Fish Gelatin/Agar Bio-Based Blend Films. *Carbohydrate Polymers*. 157 (2017) : 784-793.
- Majkowski, J. 2007. *Global Fishery Resources of Tuna and Tuna-Like Species*. Rome : Food and Agriculture Organization of The United Nations.
- Molina-Hernández, J.B., Echeverri-Castro, A., Martínez-Correa, H.A., & Andrade-Mahecha, M.M. 2019. Edible Coating Based On Achira Starch Containing Garlic/Oregano Oils to Extend The Shelf Life of Double Cream Cheese. *Revista Facultad National de Agronomia*. 73 (1) : 9099-9108.
- Mostafavi, F.S., & Zaeim, D. 2020. Agar-Based Edible Films For Food Packaging Applications. *International Journal of Biological Macromolecules*. 159 (2020) : 1165-1176.
- Mu'nisa, A. 2012. Analisis Kadar Likopen dan Uji Aktivitas Antioksidan Pada Tomat Asal Sulawesi Selatan. *Jurnal Bionature*. 13 (1) : 62-66.
- Muflihati, I., Lukitawesa, Narindri, B., Afriyanti, & Mailia, R. 2015. Efek Substitusi Tepung Terigu Dengan Pati Ketan terhadap Sifat Fisik Cookies. *Seminar Nasional Universitas PGRI 2015*. 355-359.
- Ngibad, K., dan Herawati, D. 2019. Perbandingan Pengukuran Kadar Vitamin C Menggunakan Spektrofotometer UV-Vis Pada Panjang Gelombang UV dan Visible. *Borneo Journal of Medical Laboratory Technology*. 1 (2): 77-81.
- Poonam, V., Archita, M., Deepali, S., Hemant, G., & Himanshu, S.K. 2018. A Review On: Green Tea: A Miraculous Drink. *International Journal of Pharmaceutical Science Review and Research*. 51 (2): 26-34.
- Pradarameswari, K.A., Zaelani, K., Waluyo, E., & Nurdiani, R. 2018. The Physico-chemical Properties of Pangas Catfish (*Pangasius pangasius*) Skin Gelatin. *ASEAN-FEN International Fisheries Symposium-2017*. 137 (1): 1-7.

- Pranoto, Y., Salokhe, V., & Rakshit, K. S. 2005. Physical and Antibacterial Properties of Alginate-Based Edible Film Incorporated With Garlic Oil. *Food Res. Int.* 38:267–272.
- Radi, M., Firouzi, E., Akhavan, H., & Amiri S. 2017. Effect of Gelatin-Based Edible Coatings Incorporated with *aloe vera* Black and Green Tea Extracts on The Shelf Life of Fresh-Cut Oranges. *Journal of Food Quality*. 2017: 1-10.
- Rahayu, P.P., Purwadi, Radiati, L.E., & Manab, A. 2015. Physico Chemical Properties of Whey Protein and Gelatine Biopolymer Using Tea Leaf Extract as Crosslink Materials. *Current Research in Nutrition and Food Science*, 3 (3): 224-236.
- Ramadhani, N. F. 2020. Karakterisasi Sifat Fisik, Kimia, dan Fungsional Gelatin Kulit Ikan Tuna yang Diperkaya Bubuk Kayu Manis. *Tesis*. Yogyakarta: Fakultas Teknologi Pertanian Universitas Gadjah Mada.
- Rinanda, R. 2019. Penetapan Kadar Vitamin C dan Uji Aktivitas Antioksidan Pada Cabai Rawit Hijau (*capsicum frutescens*). *Skripsi*. Perintis Padang: Sekolah Tinggi Farmasi Indonesia.
- Roiyana, M., Izzati, M., & Prihastanti, E. 2012. Potensi dan Efisiensi Senyawa Hidrokoloid Nabati Sebagai Bahan Penunda Pematangan Buah. *Buletin Anatomi dan Fisiologi*. 20 (2): 40-50.
- Ruelas-Chacon, X., Contreras-Esquivel, J.C., Montanez, J., Aguilera-Carbo, A.F., Reyes-Yega, M.L., Peralta-Rodriguez, R.D., & Sanchéz-Brambila, G. 2017. Guar Gum as an Edible Coating for Enhancing Shelf-Life and Improving Postharvest Quality of Roma Tomato (*Solanum lycopersicum* L.). *Journal of Food Quality*. 2017 : 1-9.
- Sablani, S.S., Opara, L.U., & K. Al-Balushi. 2006. Influence of Bruising and Storage Temperature on Vitamin C Content of Tomato Fruit. *Journal of Food Agriculture and Environment*.
- Sachdeva, A., Gupta, V., Rahi, R.K., Neelam, D., & Devki. 2021. Seaweed Polysaccharides Based Edible Coatings and Films: an Alternative Approach. *International Journal of Recent Scientific Research*. 3 (A) : 41198-41206.
- Samsi, M.S., Kamari, A., Din, S.M. & Lazar, G. 2019. Synthesis, Characterization and Application of Gelatin-Carboxymethyl Cellulose Blend Films For Preservation Of Cherry Tomatoes and Grapes. *J Food Sci Thecnol*. 56 (6) : 3099-3108.
- Sari, R.M., Maulana, E., Sesanti, R.N., & Ali, F. 2021. Pengaruh Tingkat Kerusakan Kemasan dan Konsentrasi Kitosan Terhadap Kualitas Buah Tomat (*Solanum lycopersicum* L.). *Jurnal Planta Simbiosa*. 3 (1): 34-44.
- Sekretarian Jenderal Kementerian Pertanian. 2014. *Outlook Komoditi Tomat*. Jakarta : Pusat Data dan Sistem Informasi Pertanian Sekretarian Jenderal Pertanian 2014.
- Setyaning, U., Sulisttyaningsih, E., & Trisnowati, S. 2011. *Pengaruh Lama Penyinaran UV-C Terhadap Mutu dan Umur Simpan Tomat (Lycopersicon esculentum Mill.)*. Fakultas Pertanian Universitas Gadjah Mada. Yogyakarta.

- Yung-Shin Shyu, Guang-Wen Chen., Shao-Ching Chiang, & Wen-Chieh Sung. 2019. Effect of Chitosan and Fish Gelatin Coatings on Preventing the Deterioration and Preserving the Quality of Fresh-Cut Apples. *Molecules*. 24 : 1-14.
- Sipahi, R. E. 2012. Alginate-Based Edible Coating to Enhance Quality and Extend Shelf Life of Fresh-Cut Watermelon (*Citrullus lanatus*). *Thesis*. Texas: Biological and Agricultural Engineering, Texas A&M University.
- Snoeijer, J.H., Ziegler, J., Andreotti, B., Fermigier, M., & Eggers, J. 2008. Thick Films of Viscous Fluid Coating a Plate Withdrawn from a Liquid Reservoir. *The American Physical Society*. 100: 244 – 502.
- Sopialena, Sofyan, A., & Alfansuri, A.R. 2017. Potensi Penggunaan Jamur *Gliocladium virens* M. Untuk Mengendalikan Penyakit Bercak Coklat Pada Tanaman Tomat (*Lycopersicum esculentum* L.) *Prosiding Seminar Nasional Pertanian*. 1 (1): 75-82.
- Sudjatha, W. & Wisaniyasa, N.W. 2017. *Fisiologi dan Teknologi Pascapanen (Buah dan Sayuran)*. Bulit Jimbaran: Udayana University Press.
- Supatchayaporn, N., Zhang, P., Ng, Ken., & Fang, Z. 2021. Fish Gelatin as an Alternative to Mammalian Gelatin for Food Industry. *Food Science and Technology*. 141 (2021) : 1-6.
- Sutono, D., & Pranoto, Y. 2013. Ekstrak Rumput laut (*Kappaphycus alvarezii*) Sebagai *Cross Linking Agent* Pada Pembentukan *Edible Film* Gelatin Kulit Ikan Nila Hitam (*Oreochromis mossambicus*). *AGRITECH*. 33 (2): 168-175.
- 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.
- Telepta, G., Picauly, P., Polnaya, F.J., Breemer, R., & Augustyn, G.H. 2019. Pengaruh *Edible Coating* Jenis Pati Terhadap Mutu Buah Tomat Selama Penyimpanan. *AGRITEKNO, Jurnal Teknologi Pertanian*. 8 (1): 29-33.
- Toor, R.K. & Savage, G.P. 2006. Changes in Major Antioxidant Components of Tomatoes During Storage. *Journal Food Chemical*. 99: 724-727.
- Towaha, J., & Balittri. 2013. Kandungan Senyawa Kimia Pada Daun Teh (*Camellia sinensis*). *Warta Penelitian dan Pengembangan Tanaman Industri*. 19 (3): 12-16.
- Tsaniklidis, G., Costas, D., Nikolaos, N., Panagiotis, K., & Georgios, A. 2014. Low Temperature Storage Affects the Ascorbic Acid Metabolism of Cherry Tomato Fruit. *Plant Physiology and Biochemistry*. 84 (2014) : 149-157.
- Tunmuni, D., Bhujra, P., & Refli. 2018. Effectiveness Solution Calcium Chloride (CaCl₂) in Delaying Ripening of Fruit Tomato. *Jurnal Biotropikal Sains*. 15 (3): 25-37.
- Widyawati, P. S., Budianta, T. D. W., Werdani, Y. D. W., & Halim, M. O. 2018. Aktivitas Antioksidan Minuman Daun Beluntas Teh Hitam (*Pluchea indica* Less-Camellia sinensis). *Agritech*. 38(2): 200 – 207.
- Winarno, F.G., & Wirakartakusumah. 1981. *Fisiologi Lepas Panen*. Jakarta: Sastra Hudaya.

- Yadav, K.C., Parajuli, A., Khatri, B.B., & Shiwakoti, L.D.. 2020. Phytochemicals and Quality of Green and Black Teas From Different Clones of Tea Plant. *Journal of Food Quality*. Vol 2020 : 1-13.
- Yuniastri, R., Ismawati, Atkhiyah, V.M., & Al Faqih, K. 2020. Karakteristik Kerusakan Fisik dan Kimia Buah Tomat. *Journal of Food Technology and Agroindustry*. 2 (1): 1-9.
- Yun Xiong, Kamboj, M., Ajlouni, S., & Fang, Z.2021. Incorporation Of Salmon Bone Gelatin With Chitosan, gallic Acid, and Clove oil as Edible Coating for The Cold Storage of Salmon Fillet. *Food Control*. 125 (2021) : 1-9.
- Zihaldia, Yahdiana, H., Irwandi, J., & Effionora, A. 2018. Characterization and Functional Properties of Gelatin Extracted From Goat Skin. *International Food Research Journal*. 25 (1) : 27.