

DAFTAR PUSTAKA

- Agrios, G. N. (2005). *Plant Pathology* (5th ed.). Elsevier Academic Press.
- Alcazar-Alay, S.C. and Meireles, M.A.A. (2015). Physicochemical Properties, Modifications and Applications of Starches from Different Botanical Sources. *Food Science and Technology*, 35, 215-236. doi: 10.1590/1678-415457X.6749.
- Alikhani, M. (2014). Enhancing safety and shelf life of fresh-cut mango by application of edible coatings and microencapsulation technique. *Food Sciences and Nutrition*, 2(3), 210–217. <https://doi:10.1002/fsn3.98>.
- Ariani. 2010. “Pemanfaatan Kulit Pisang dalam Pembuatan Cuka”. <http://aksiguru.org>.
- Arquelau, P. B. de F., Silva, V. D. M., Garcia, M. A. V. T., de Araujo, R. L. B., & Fante, C. A. (2019). Characterization of edible coatings based on ripe “Prata” banana peel flour. *Food Hydrocolloids*, 89, 570–578. <https://doi.org/10.1016/j.foodhyd.2018.11.029>.
- Asensio, C. M., Grosso, N. R., & Rodolfo Juliani, H. (2015). Quality preservation of organic cottage cheese using oregano essential oils. *LWT - Food Science and Technology*, 60(2), 664–671.
- Astuti, P & Ajeng, A, E., 2014. Antimicrobial Edible Film from Banana Peels as Food Packaging. *American Journal of Oil and Chemical Technologies*. 2326-6570 . 2 (2).
- Azevedo, A, G; Basol, C; Miranda, S; Ana, V,M & Castro, O. 2022. Active Flexible Films for Food Packaging: A Review. *Polymers*. 14(22): 2442.
- Azizah Mudaffar, R. (2020). Karakteristik Edible Film Dari Limbah Kulit Singkong Dengan Penambahan Kombinasi Plasticizer Serta Aplikasinya Pada Buah Nanas Terolah Minimal. *Journal TABARO*, 4(2).
- Baldwin, E. A., Nisperos-Carriedo, M. O., & Baker, R. A. (1998). Use of edible coatings to preserve quality of lightly (and minimally) processed products. *Critical Reviews in Food Science and Nutrition*, 38(6), 141-169.
- Barth, M., Hankinson, T. R., Zhuang, H., & Breidt, F. (2009). Microbiological Spoilage of Fruits and Vegetables. In *Compendium of the Microbiological Spoilage of Foods and Beverages* (pp. 135-183). Springer
- Bengtsson, N. (1994) New Process Technologies and New Products. StK-Report No. 606, Swedish Institute for Food Research, Göteborg, Sweden.
- Benítez, S., Soro, L., Achaerandio, I., Sepulcre, F., & Pujolá, M. (2014). Combined Effect of a Low Permeable Film and Edible Coatings or Calcium Dips on

the Quality of Fresh-Cut Pineapple. *Journal of Food Process Engineering*, 37(2), 91–99.

Bergo, P., & Sobral, P. J. A. (2007). Effects of plasticizer on physical properties of pigskin gelatin films. *Food Hydrocolloids*, 21, 1285e1289.

Brody, A. L., Bugusu, B., Han, J. H., Sand, C. K., & McHugh, T. H. (2008). Innovative food packaging solutions. *Journal of Food Science*, 73(8), R107-R116.

Budu, A.S., Joyce, D.C., (2003). Effect of 1-methyl cyclopropane on the quality of minimally processed pineapple fruit. *Aust. J. Exp. Agric.* 43, 177–184.

Carol Lopez-de-Dicastillo, Joaquin Gómez-Estaca, Ramon Catala, Rafael Gavara, Pilar Hernandez-Munoz, (2012) Active antioxidant packaging films: *Development and effect on lipid stability of brined sardines*. 131 (2012) : 1376- 1384.

Cheng S.-B., Wu, L.-C., Hsieh, Y.-C., Wu, C.-H., Chan, Y.-J., Chang, L.-H., ... Wu, C.-C. (2012). Supercritical Carbon Dioxide Extraction of Aromatic Turmerone from *Curcuma longa* Linn. Induces Apoptosis through Reactive Oxygen Species-Triggered Intrinsic and Extrinsic Pathways in Human Hepatocellular Carcinoma HepG2 Cells. *Journal of Agricultural and Food Chemistry*, 60(38), 9620–9630.

Claudia, A.R.B., Bello-Pérez, L.A., Gacia, M.A., Martino, M.N., Solorza-Feria, J. and Zaritzky, N.E. (2005), “Physicochemical and micro structural characterization of films prepared by thermal and cold gelatinization from non-conventional sources of starches”, *Carbohydrate Polymers*, Vol. 60, pp. 235-244.

Debiagi, F., Kobayashi, R. K. T., Nakazato, G., Panagio, L. A., & Mali, S. (2014). Biodegradable active packaging based on cassava bagasse, polyvinyl alcohol and essential oil. *Industrial Crops and Products*, 52, 664–670. <https://doi.org/10.1016/j.indcrop.2013.11.032>

Denardin, C. C., & Silva, L. P. da. (2009). Estrutura dos grânulos de amido e sua relação com propriedades físico-químicas. *Ciência Rural*, 39(3), 945–954.

Farhan, A & Norziah, M. H (2017) Characterization of edible packagingfilms based on semi-refinedkappa-carrageenan plasticized with glycerol and sorbitol. *Food Hydrocloyds*. 64(2017) 48- 58.

Fatimah, N, K, S & Lutfi, W, W, J. 2017. The Development of Banan Peel/ Corn starch Bioplastic Film: A Preliminary Study. *BSTR*. 5 (1): 12-17.

Fatma, M.R. and Muhammad, T. (2015), “Characteristics of Edible Film made from dangke whey and agar using different percentage of glycerol”, *Journal of Integral Theory and Practice*, Vol. 4 No. 2, pp. 63-69.

- FDA (Food and Drug Administration) (2013), "Food additives permitted for direct addition to food for human consumption", Food and Drugs Section, p. 172.
- Fox, P. F., Guinee, T. P., Cogan, T. M., & McSweeney, P. L. H. (2017). *Fundamentals of Cheese Science*.
- Gontard, N., Guilbert, S., Cuq, J. L., (1993). Water and Glycerol as plasticizer Affect Mechanical and Water Barrier Properties at an Edible Wheat Gluten Film. *J. Food Science*. 58 (1): 206-211.
- Gonzalez, Agustín; Alvarez Igarzabal, Cecilia I. (2013). *Soy protein – Poly (lactic acid) bilayer films as biodegradable material for active food packaging*. *Food Hydrocolloids*, 33(2), 289–296. doi:10.1016/j.foodhyd.2013.03.010.
- Hadisoewignyo, L: Foe, K & Tjandrawinata, R, R. 2017. Isolation and Characterization of Agung Banan Peel Starch from East Java Indonesia. 23(4): 1324-1330.
- Hernawati, H. dan A. Aryani., 2007. Potential of banana peel flour as an alternative feed on poultry rations. Competitive grant research Reports. Universitas Pendidikan Indonesia, Bandung.
- Huvaere, K., Nielsen, J. H., Bakman, M., Hammershoj, M., Skibsted, L. H., Sørensen, J., Dalsgaard, T. K. 2011. Antioxidant Properties of Green Tea Extract Protect Reduced Fat Soft Cheese against Oxidation Induced by Light Exposure. *Journal of Agricultural and Food Chemistry*, 59(16), 8718–8723.
- I leng, I. E., Suriati, L., Singapurwa, N. M. A. S., & Mangku, I. G. P. (2020). Karakteristik Buah Rambutan pada Suhu Dingin dengan Kemasan Terbuka dan Tertutup. *Gema Agro*, 25(1), 71-78. <https://doi.org/10.22225/ga.25.1.1722.71-78>.
- James, J.B., Ngarmsak, T., 2010. In: Rolle, R.S. (Ed.), *Processing of Fresh-cut Tropical Fruits and Vegetables: A Technical Guide*. RAP Publication 2010/16 FAO, Bangkok, pp. 1–86.
- Janicki A (2013) *Opakowania aktywne i inteligentne [Active and intelligent packaging]*. *Systemy Logistyczne Wojsk* 39:81–93.
- Jayaprakasha, G. K., Jagan Mohan Rao, L., & Sakariah, K. K. (2005). *Chemistry and biological activities of C. longa*. *Trends in Food Science & Technology*, 16(12), 533–548.
- Jirakkul, N (2016). The Study Of Edible Film Production from unripened flour and ripened banana puree. *International Food Research Journal*. 23(1). 95-101.
- Jorgelina, P, M., Alejandar, M, A., Martinez, A, A., Cattaneo, F., Zampini, C., Ines, I, M., Lopez, A, R & Jose, M, F. 2020. Interest Of black carob for the

- development of Active biopolymer films for cheese preservation. *Food Hydrocolloids*. 113 (2021): 106436.
- Kader, A. A. (2002). *Postharvest Technology of Horticultural Crops*. University of California Agriculture and Natural Resources.
- Kaur, B · Kamble B. Venkatrao, Parmjit S. Panesar, Harish K. C, Anil K. Anal. (2022). Optimization of ultrasound-assisted enzymatic extraction of resistant starch from green banana peels and its structural characterization. *J Food Sci Technol*. 59(12):4663–4672.
- Kementerian Pertanian. (2016). Outlook: komoditas pertanian sub sektor hortikultura.
- Kiran, V. G., Varsha, A. K., Vijayalaksmi, M. V., Govindaraj, V., Anisha, M., Vigneshwari, N., Gokul, M., Ezhil, E., Nithila, M., Bebin, T., Arun, P., Ponmozhi, C. (2022). Characterization of Banana Peel Starch-based Bioplastic for intravenous Tubes Preparation Materials Today Communications. (33). 2352-4928.
- Koontz, J. L., Moffitt, R.D., Marcy, J.E., O’Keefe, S. F., Duncan, S.E., Long, T.E. (2010). Controlled release of α -tocopherol, quercetin, and their cyclodextrin inclusion complexes from linear low-density polyethylene (LLDPE) films into a coconut oil model food system. *Food Additives & Contaminants: Part A*, 27(11), 1598–1607. <http://doi:10.1080/19440049.2010.495729>.
- Koswara, S., Purwiyatno, H., dan Eko, H.P. (2002). Edible Film. *J Tekno Pangan dan Agroindustri*. 1 (12): 183-196.
- Kristensen, D., Hansen, E., Arndal, A., Trinderup, R. A., & Skibsted, L. H. 2001. Influence of light and temperature on the color and oxidative stability of processed cheese. *International Dairy Journal*, 11(10), 837–843.
- Krochta, J.M., Baldwin, E.A and Nisperos-Carriedo M.O. (1994). Edible Coatings and Films to Improve Food Quality. *Techno Publishing.Co.Inc. Lancaster. Bosel*.
- Kumar, N., & Neeraj. (2019). Polysaccharide-based component and their relevance in Edible Film/coating: a review. In *Nutrition and Food Science* (Vol. 49, Issue 5, pp. 793–823). Emerald Group Holdings Ltd. <https://doi.org/10.1108/NFS-10-2018-0294>.
- Kusrini, E., Aulia, M., Widianoro, A., Nurani, Y., & Mamat, M. (2018). Synthesis and Characterization of Natural, Pectin and Activated Carbon as Low-Cost Potential Adsorbents from Kepok Banana Peels (*Musa paradisiaca* L.). IOP Conference Series: Materials Science and Engineering, 440, 012030.
- Li, X., Zhu, X., Wang, H., Lin, X., Lin, H., & Chen, W. (2018). Postharvest application of wax controls pineapple fruit ripening and improves fruit quality. *Postharvest Biology and Technology*, 136, 99–110. <https://doi.org/10.1016/j.postharvbio.2017.10.012>.
- Li, Z.; Guo, K.; Lin, L.; He, W.; Zhang, L.; Wei, C. Comparison of Physicochemical Properties of Starches from Flesh and Peel of Green Banana Fruit.

- Molecules* 2018, 23, 2312. <https://doi.org/10.3390/molecules23092312>
- Liang, T & Wang, L. (2018). Preparation and characterization of a novel Edible Film based on *Artemisia sphaerocephala* Karsch. gum: Effects of type and concentration of plasticizers. *Food Hydrocolloids*. 77 (2018): 502-508.
- Liu, J et al (2018) Films based on k-carrageenan incorporated with curcumin for freshness monitoring. *Food Hydrocolloids*. 83 (2018): 134- 142.
- Liu, Y., Cai, Y., Jiang, X., Wu, J., & Le, X. (2016). Molecular interactions, characterization, and antimicrobial activity of curcumin–chitosan blend. films. *Food Hydrocolloids*,
- Lopez, D. C., Gomez, E. J., Catala, R., Gavara, R & Hernandez, P.M. (2012). Active antioxidant packaging films: Development and effect on lipid stability of brined sardines. *Food Chemistry*. 131 (2012): 1376- 1384.
- Lordan, Cathy; Thapa, Dinesh; Ross, R. Paul; Cotter, Paul D. (2019). *Potential for enriching next-generation health-promoting gut bacteria through prebiotics and other dietary components*. *Gut Microbes*, (), 1–20. doi:10.1080/19490976.2019.1613124.
- Ma W, Tang CH, Yin SE, Yang XA, Wang Q, Liu F. 2012. Characterization of gelatin based Edible Films incorporated with olive oil. *Food Research International*. 49:572- 579.
- Majeed, M., Vladimir, B., Uma, S, dan Rajendran, R. (1995). Curcuminoids Antioxidant Phytonutrients. Nutriscience. Publ., Inc. Piscataway, New Jersey.
- Maria J. Costaa., Luís, C. Maciela, J. A. Teixeiraa, A. A. Vicentea , Miguel A. C. (2018). Use of Edible Films and coatings in cheese preservation: Opportunities and challenges. *Food Reaserch International*. 107(2018). 84-92.
- Marques, M, D.F. & Vianna, S. D.C. (2013), “Cellulose and its derivatives use in the pharmaceutical compounding practice. Cellulose medical, pharmaceutical and electronic applications”, *Intech Open Science, Vol. 8, pp. 141-162*.
- Marta, H.; Cahyana, Y.; Djali, M.; Pramafisi, G. The Properties, Modification, and Application of Banana Starch. *Polymers* 2022, 14, 3092. <https://doi.org/10.3390/polym14153092>
- Mat, A, A., Shamsuddin, A, A., Yin Y, Yahya., N & Ibrahim, N. (2007). Extraction, purification and characterization of Durian (*Durio zibhetinus*) seed gum. *Food Hydrocolloids*. 21 (2007): 273–279.
- Medeiros, S. V. D., Coutinho, M. M. C., Rodrigues, C. G., Neris, S. A., de Freitas e Loyola, A. C., & Fante, C. A. (2020). Biodegradable Edible Films of ripe banana peel and starch enriched with extract of *Eriobotrya japonica* leaves. *Food Bioscience*, 100750.

- Mendez, P. A., & Lopez, B. L. (2020). Polyelectrolyte Nanoparticles of Amphiphilic Chitosan/Pectin from Banana Peel as Potential Carrier System of Hydrophobic Molecules. *Polymers*, 12(9), 2109.
- Milda, E. E., & Kerry, C. H. (2009). Edible Film and Coatings for Food Application. 52, 564-572. <http://doi.org/10.1016/J.FOODHYD.2015.08.005>.
- Mohammad, S. A. R., Mohammad, A. A & Zahedi, Y. (2015). Characterization of a new biodegradable Edible Film based on sage seed gum: Influence of plasticizer type and concentration. *Food Hydrocolloids*. 43 (2015): 290-298.
- Montero-Calderón, M., Rojas-Graü, M. A., & Martín-Belloso, O. (2008). Effect of packaging conditions on quality and shelf-life of fresh-cut pineapple (*Ananas comosus*). *Postharvest Biology and Technology*, 50(2-3), 182–189.
- Nainggolan, R. J. (1999). Pengaruh pH dan Lama Ekstraksi terhadap Rendemen dan Mutu Pektin dari Kulit Pisang, Lab. Teknologi Hasil Pertanian, USU, Medan.
- Navarro, M. T., shortonvit, R & Perez, M. G. (2008). Effect of Plasticizer Type and Amount on Hydroxypropyl Methylcellulose-Beeswax Edible Film Properties and Postharvest Quality of Coated Plums (Cv. Angeleno). *Journal Of Agriculture and Food Chemistry. J. Agric. Food Chem.* 2008 (56): 9502- 9509.
- Nestarenco, A., Alric, I, Silvestre, F & Durrieu. (2013). Vegetable proteins in microencapsulation: A review of recent interventions and their effectiveness. *Industrial Crops and Products*. 42 (2013): 469-479.
- Nowacka, M, Niemczuk, D. (2012). Nowoczesne materiały wyroby przeznaczone do kontaktu z żywnością oraz ich wpływ na bezpieczeństwo żywności. *Opakowanie* 6:64–69.
- Ohlsson, Thomas (1994). Minimal processing-preservation methods of the future: an overview. *Trends in Food Science & Technology*, 5(11), 341–344. [http://doi:10.1016/0924-2244\(94\)90210-0](http://doi:10.1016/0924-2244(94)90210-0).
- Padron, M, M., Rodríguez, G, B., Díaz, R. C., Lobo, R. M. G., & Rodríguez, R. E. M. (2020). Quality evaluation of minimally fresh-cut processed pineapples. *LWT – Food Science and Technology*, 129, 109607. <https://doi.org/10.1016/j.lwt.2020.109607>.
- Pagella, C., G. Spigno, & D.M. DeFaveri. 2002. Characterization of starch-based edible coatings. *Food and Bioprocess Processing* 80:193-198.
- Parreidt, S.T., Kajetan, M. and Markus, S. (2018), “Alginate-Based Edible Films and coatings for food packaging applications”, *Foods*, 7(70), 2-38.
- Pizato, S., Chevalier, R., Dos Santos, M., Da Costa, T., Ar'evalo Pinedo, R., & Cortez, V, W. R. (2019). Evaluation of the shelf-life extension of fresh-cut pineapple (Smooth cayenne) by application of different edible coatings. *British Food Journal*, 121(7), 1592–1604. <https://doi.org/10.1108/BFJ-11-2018-0780>.

- Prabhakar, P. K., Sankaran, V., & Nayan, V. (2020). Optimization of ultrasonic-assisted extraction of bioactive compounds from banana peel (*Musa acuminata*) using ethanol–water binary solvent. *Journal of Food Measurement and Characterization*, 14(5), 2015-2024.
- Pratiwi, R. (2010). Pengembangan Metode Penentuan Kadar DEHP dan Analisis Migrasi DEHP ke Dalam Simulan Pangan di Pusat Riset Obat dan Makanan, BADAN POM RI. Institut Pertanian Bogor, Bogor.
- Pratiwi, R. (2010). Pengembangan Metode Penentuan Kadar DEHP dan Analisis Migrasi DEHP ke Dalam Simulan Pangan di Pusat Riset Obat dan Makanan, BADAN POM RI. Institut Pertanian Bogor, Bogor.
- Putri, C. I., Warkoyo., Siskawardani, D. D. (2022). Karakteristik Edible Film Berbasis Pati Bentul (*Colacasia Esculenta* (L) Schoott) dengan Penambahan Gliserol dan Filtrat Kunyit Putih (*Curcuma zedoaria* Rosc). *Food Technology and Halal Science Journal* 05 (01).109-124.[http:// doi.10.22219/fths.v5i1.18785](http://doi.10.22219/fths.v5i1.18785).
- Rafaela, R. B., Sandriane, P., Nathália, G. S., Maiara, M. M. A., Rosalinda, A. P., William, R. C. V. (2021). Effect of edible chitosan and cinnamon essential oil coatings on the shelf life of minimally processed pineapple (Smooth cayenne) . *Food Bioscience*. <http://doi:10.1016/j.fbio.2021.100966>.
- Restrepo, A. E., Rojas, J. D., García, O. R., Sánchez, L. T., Pinzón, M. I., & Villa, C. C. (2018). Mechanical, barrier, and color properties of banana starch Edible Films incorporated with nanoemulsions of lemongrass (*Cymbopogon citratus*) and rosemary (*Rosmarinus officinalis*) essential oils. *Food Science and Technology International*, 24(8), 705–712. <https://doi.org/10.1177/1082013218792133>.
- Ribeiro, C., Vicente, A.A., Teixeira, J.A. and Miranda, C. (2007), “Optimization of edible coating composition to retard strawberry fruit senescence”, *Postharvest Biology and Technology*, Vol. 44 No. 1, pp. 63-70.
- Rocculi, P., Cocci, E., Romani, S., Sacchetti, G., & Rosa, M. D. (2009). Effect of 1-MCP treatment and N2O MAP on physiological and quality changes of fresh-cut pineapple. *Postharvest Biology and Technology*, 51(3), 371–377.
- Rooney, M. L. (1995). Active food packaging. Blackie Academic & Professional.
- Roy, S., Rhim, J. W. (2020). Carboxymethyl cellulose-based antioxidant and antimicrobial active packaging film incorporated with curcumin and zinc oxide. *International Journal of Biological Macromolecules*, 148, 666–676.<http://doi:10.1016/j.ijbiomac.2020.01.204>.
- Said, Ahmad. 2001. Khasiat dan Manfaat Kunyit. PT. Sinar Wadja Lestari.
- Salinas-Roca, B., Welti-Chanes, J., Martin -Belloso, O., Soliva-Fortuny, R. (2016). Combined effect of pulsed light, edible coating and malic acid dipping to improve fresh-cut mango safety and quality. *Food Control*, 66(), 190–197.<http://doi:10.1016/j.foodcont.2016.02.005>.

- Sanchis, E., Ghidelli, C., Sheth, C.C., Mateos, M., Palou, L. and Pérez-Gago, M.B. (2017), "Integration of antimicrobial pectin-based edible coating and activemodified atmosphere packaging to preserve the quality and microbial safety of fresh-cut persimmon (*diospyros kaki thunb. cv. Rojo brillante*)", *Journal of the Science of Food and Agriculture*, Vol. 97 No. 1, pp. 252-260.
- Sari, Y.W., Syafitri, U., Sanders, J.P.M., Bruins, M.E.: *How Biomass Composition Determines Protein Extractability, Industrial Crops and Products*, 2015, 70, 125-133.
- Septiana, A.T., Mustaufik, Dwiyantri, H., Muchtadi, D., Zakaria, F. dan Ola, M.M. (2006). Pengaruh spesies Zingiberaceae (jahe, temulawak, kunyit, dan kunyit putih) dan ketebalan irisan sebelum pengeringan terhadap kadar dan aktivitas antioksidan ekstrak aseton yang dihasilkan. *Majalah Ilmu dan Teknologi Pertanian* 26(2): 69-74.
- Shah, U., Naqash, F., Gani, A & Masoodi, F.A. (2016). Art and Science behind Modified Starch Edible Films and Coatings: A Review. *Institute of Food Technologists*. 15 (2016): 1541-4337.
- Sidi, N, C., Widowati, E & Nursiwi, A. (2014). Pengaruh Penambahan Karagenan pada Karakteristik Fisikokimia dan Sensoris Fruit Leather Nanas (*Ananas Comosus L. Merr.*) dan Wortel (*Daucus Carota*). *Jurnal Aplikasi Teknologi Pangan* 3 (4).
- Singh, T. P., Chauhan, G., Mendiratta, S. K., Agrawal, R. K., & Arora, S. (2019). Optimization of ingredients for preparation of lowcalorie fiber enriched chhana balls-Sandesh like product. *Journal of Food Science and Technology*, 56(6), 3043–3054. <https://doi.org/10.1007/s13197-019-03790-x>.
- Siroli, L., Patrignani, F., Serrazanetti, D. I., Gardini, F., & Lanciotti, R. (2015). Innovative strategies based on the use of bio-control agents to improve the safety, shelf-life and quality of minimally processed fruits and vegetables. *Trends in Food Science & Technology*, 46(2), 302–310. <https://doi.org/10.1016/j.tifs.2015.04.014>.
- Sofiah, Yuniar, Aznury, M., & Melianti. (2019). Mechanical Properties of Bioplastics Product from *Musa Paradisica* Formatypica Concentrate with Plasticizer Variables. *Journal of Physics: Conference Series*, 1167, 012048.
- Susanti, L. (2006). Perbedaan Penggunaan Jenis Kulit Pisang Terhadap Kualitas Nata dengan Membandingkan kulit pisang Raja, Nangka, Ambon Kuning dan Kepok Putih Sebagai Bahan Baku. Tugas Akhir. Semarang: Universitas Negeri Semarang.
- Susilowati, E & Ary, E. L. (2019). Preparation of chitosan-avocado seed starch (CASS) Edible Film as jenang dodol packaging, 194, 020123.
- Tabatabaee, B, A, Hamed, M& Sanja, K. 2012. Chemical composition and molecular structure of polysaccharide-protein biopolymer from *Durio*

- zibethinus seed: extraction and purification process. *Chemistry Central Journal*. 6:117.
- Tabatabaee, B. A & Hamed, M. (2012). Optimization of aqueous extraction of gum from durian (*Durio zibethinus*) seed: A potential, low-cost source of hydrocolloid. *Food Chemistry*. 132 (2012); 1258- 126.
- Taewee, T. (2018). Some Properties of Starch Extracted from Three Thai Aromatic Fruit Seeds. *Inter Sciecn*. 60 (2008): 199–207.
- Taghavi, H. (2020). Fabrication and investigation of physicochemical, food simulant release and antioxidant properties of whey protein isolate-based films activated by loading with curcumin through the pH-driven method. *Food Hydrocolyds*. 108 (2020): 106026.
- Tassew, A. A. (2014). Evaluation of leaf bud cuttings from different sized crowns for rapid propagation of pineapple (*Ananas Comosus* L. [Merr.]). *Journal of Biology, Agriculture and Healthcare*, 4(27), 1–7.
- Tian, F., Decker, E. A., Goddard., J. M. (2013). Controlling lipid oxidation of food by active packaging technologies. *Food & Function*, 4(5), 669–. <http://doi:10.1039/c3fo30360>.
- Tosun, B. N & Yucecan. (2007). nfluence of Home Freezing and Storage on Vitamin C Contents of Some Vegetables. *Pakistan Journal of Nutrition* 6 (5): 472-477.
- Tripathi, S & Mishra, S., 2021. Antioxidant, Antibacterial Analysis of Pectin Isolated from Banana Peel and its Application in Edible Coating of Freshly Made Mozzarella Cheese. *Asian Food Science Journal*. 20 (7): 82 – 92.
- Tuba, E., Patricia, H., Insa, M. A. Ernst., Dawn Chin., Anika, E. W., Gerald, E. (2012). Curcumin From Molecule to Biological Function., 51(22). <http://doi:10.1002/anie.201107724>.
- Ulyarti, E. Maryana, I. Rahmayani, N, Susilawati, A dan Doyan. (2018). The Characteristics of Yam (*Dioscorea Alata*) Starch Edible Film. *JPPIPA*. (2460-2582): 2407-795.
- W. Pimpa, C. Pimpa & P. Junsangsree. (2012). Development of Biodegradable Films Based on Durian Seed Starch. *Advanced Materials Research*. 506 (2012). 311-314.
- Wang, Lei; Xue, Jia; Zhang, Yue (2019). Preparation and characterization of curcumin loaded caseinate/zein nanocomposite film using pH-driven method. *Industrial Crops and Products*, 130(), 71–80. <http://doi.10.1016/j.indcrop.12.072>.
- Warsiki, E. (2013). Material Kontak Pangan dan Kemasan Pangan. Teknologi Pengemasan.
- Wu, J., Chen, S., Ge S, Miao, J., Li, J & Zhang, Q. (2013). Preparation, properties and antioxidant activity of an film aktif from silver carp (*Hypophthalmichthys molitrix*) skin gelatin incorporated with green tea extract. *Food Hydrocoloyds*. 32 (2013): 42-51.

- Wyrwa, J & Barska, B. (2017). Innovations in the food packaging market: active packaging Food Res Technol (01) 243:1681–1692. DOI 10.1007/s00217-017-2878-2.
- Yousuf, B., Qadri, O. S., & Srivastava, A. K. (2018). Recent developments in shelf-life extension of fresh-cut fruits and vegetables by application of different edible coatings: A review. LWT – Food Science and Technology, 89, 198–209. <https://doi.org/10.1016/j.lwt.2017.10.05>.
- Zafar, M, I. & Akhter, S. (2011). Musa paradisiaca L. and Musa sapientum L. : A Phytochemical and Pharmacological Review. *Journal of Applied Pharmaceutical Science*. 01 (05); 2011: 14-20.
- Zhang, W., Li, X., & Jiang, W. (2019). Development of antioxidant chitosan film with banana peels extract and its application as coating in maintaining the storage quality of apple. *International Journal of Biological Macromolecules*. 10.275.
- Zhao, L.M., Shi, L.E., Zhang, Z.L., Chen, J.M., Shi, D.D., Yang, J. and Tang, Z.X. (2011), “Preparation and application of chitosan nanoparticles and nanofibers”, *Brazilian Journal of Chemical Engineering*, Vol. 28 No. 3, pp.
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