UNIVERSITAS
GADJAH MADA
Modifikasi Permukaan Bioplastik Berbahan Pati Singkong Berbasis Fungsionalisasi Plasma untuk Penempelan Pewarna Alami
Faizatin Liyan Syibyan, Drs. Dwi Siswanta, M.Eng., Ph.D.
Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

DAFTAR PUSTAKA

Abel, O.M., Chinelo, S., dan Chidioka, R., 2021, Enhancing Cassava Peels Starch as Feedstock for Biodegradable Plastic, *J. Mater. Environ. Sci*, 12 (02), 169–182.

Abidin, N.D.Z., Azhar, N.S., Sarip, M.N., Hamid, H.A., dan Nasir, N.A.H.A., 2021, Production of Bioplastic from Cassava Peel with Different Concentrations of Glycerol and $CaCO_3$ as Filler,. In, *Proceeding 4th International Sciences, Technology & Engineering Conference (ISTEC)*. 8 - 10 April 2020, Penang.

Abusrafa, A.E., Habib, S., Krupa, I., Ouederni, M., dan Popelka, A., 2019, Modification of Polyethylene by RF Plasma in Different/Mixture Gases, *Coatings*, 9 (145), 1–24.

Armynah, B., Anugrahwidya, R., dan Tahir, D., 2022, Composite Cassava Starch/Chitosan/Pineapple Leaf Fiber (PALF)/Zinc Oxide (ZnO): Bioplastics with High Mechanical Properties and Faster Degradation in Soil and Seawater, *Int. J. Biol. Macromol.*, 213, 814–823.

Arolkar, G.A., Salgo, M.J., Kelkar-Mane, V., dan Deshmukh, R.R., 2015, The Study of Air-plasma Treatment on Corn Starch/Poly(ε-caprolactone) Films, *Polym. Degrad. Stab.*, 120, 262–272.

Atika, V., 2017, Kualitas Pewarnaan Ekstrak Kayu Tegeran (*Cudrania javanensis*) pada Batik, *Dinamika Kerajinan dan Batik*, 34 (1), 11–18.

Atika, V., Arta, T.K., Lestari, D.W., Haerudin, A., dan Fitriani, A., 2019, Effect of Different Solvent on Tegeran (*Cudrania javanensis*) Wood Extract Dyeing Quality on Silk Batik,. In, *Proceeding 3th Indonesian Textile Conference*. Juli 2019, Bandung.

Banura, S., Thirumdas, R., Kaur, A., Deshmukh, R.R., dan Annapure, U.S., 2018, Modification of Starch Using Low Pressure Radio Frequency Air Plasma, *Lwt*, 89, 719–724.

Bie, P., Li, X., Xie, F., Chen, L., Zhang, B., dan Li, L., 2016, Supramolecular Structure and Thermal Behavior of Cassava Starch Treated by Oxygen and Helium Glow-plasmas, *Innov. Food Sci. Emerg. Technol.*, 34, 336–343.

Blackburn, R.S., Bechtold, T., dan John, P., 2009, The Development of Indigo Reduction Methods and Pre-Reduced Indigo Products, *Color. Technol.*, 125 (4), 193–207.

Božič, M., Kokol, V., dan Guebitz, G.M., 2009, Indigo Dyeing of Polyamide Using Enzymes for Dye Reduction, *Text. Res. J.*, 79 (10), 895–907.

Chen, C., Ogino, A., Wang, X., dan Nagatsu, M., 2011, Oxygen Functionalization of Multiwall Carbon Nanotubes by Ar/H_2O Plasma Treatment, *Diam. Relat. Mater.*, 20 (2), 153–156.

UNIVERSITAS
GADJAH MADA
Modifikasi Permukaan Bioplastik Berbahan Pati Singkong Berbasis Fungsionalisasi Plasma untuk Penempelan Pewarna Alami
Faizatin Liyan Syibyan, Drs. Dwi Siswanta, M.Eng., Ph.D.
Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

Chen, T.F., Siow, K.S., Ng, P.Y., Nai, M.H., Lim, C.T., dan Yeop Majlis, B., 2016, Ageing Properties of Polyurethane Methacrylate and Off-stoichiometry Thiol-ene Polymers After Nitrogen and Argon Plasma Treatment, *J. Appl. Polym. Sci.*, 133 (42), 1–12.

Chytrosz-Wrobel, P., Golda-Cepa, M., Stodolak-Zych, E., Rysz, J., dan Kotarba, A., 2023, Effect of Oxygen Plasma-Treatment On Surface Functional Groups, Wettability, and Nanotopography Features of Medically Relevant Polymers With Various Crystallinities, *Appl. Surf. Sci. Adv.*, 18 (100497), 1–8.

Demina, T.S., Piskarev, M.S., Romanova, O.A., Gatin, A.K., Senatulin, B.R., Skryleva, E.A., Zharikova, T.M., Gilman, A.B., Kuznetsov, A.A., Akopova, T.A., dan Timashev, P.S., 2020, Plasma Treatment of Poly(ethylene terephthalate) Films and Chitosan Deposition: DC-vs. AC-discharge, *Materials (Basel).*, 13 (3), 1–10.

Ezeoha, S.L., 2013, Production of Biodegradable Plastic Packaging Film from Cassava Starch, *IOSR Journal of Engineering*, 3 (10), 14–20.

Fazeli, M., Florez, J.P., dan Simão, R.A., 2019, Improvement in Adhesion of Cellulose Fibers to the Thermoplastic Starch Matrix by Plasma Treatment Modification, *Compos. Part B Eng.*, 163, 207–216.

Flores, S., Famá, L., Rojas, A.M., Goyanes, S., dan Gerschenson, L., 2007, Physical Properties of Tapioca-Starch Edible Films: Influence of Filmmaking and Potassium Sorbate, *Food Res. Int.*, 40 (2), 257–265.

Ghobeira, R., Esbah Tabaei, P.S., Morent, R., dan De Geyter, N., 2022, Chemical Characterization of Plasma-activated Polymeric Surfaces Via XPS Analysis: A review, *Surfaces and Interfaces*, 31 (102087), 1–24.

Gholamiyan, H., Ashouri, J., dan Ahmadi, Peyman Hosseinpourpia, R., 2022, Surface Wettability and Coating Performance of Plasma-Treated Wood-Based Composite Panels, *Coatings*, 12 (1894), 1–13.

Guo, Z., Gou, Q., Yang, L., Yu, Q. li, dan Han, L., 2022, Dielectric Barrier Discharge Plasma: A Green Method to Change Structure of Potato Starch and Improve Physicochemical Properties of Potato Starch Films, *Food Chem.*, 370 (130992), 1–10.

Gupta, R.K., Guha, P., dan Srivastav, P.P., 2023, Effect of High Voltage Dielectric Barrier Discharge (DBD) Atmospheric Cold Plasma Treatment on Physicochemical and Functional Properties of taro (Colocasia esculenta) Starch, *Int. J. Biol. Macromol.*, 253 (P2), 126772.

Harsojuwono, B.A., Arnata, I.W., dan Mulyani, S., 2017, Biodegradable Plastic Characteristics of Cassava Starch Modified in Variations Temperature and Drying Time, *J. Chem. Process Eng. Res.*, 49, 1–5.

He, X., Chen, G., He, Z., Li, J., Liu, Y., Wang, T., Huang, J., Zhang, L., dan Ai, X., 2022, Oxidation of Glow Discharge Polymer Films, *J. Non. Cryst. Solids*,

UNIVERSITAS
GADJAH MADA
Modifikasi Permukaan Bioplastik Berbahan Pati Singkong Berbasis Fungsionalisasi Plasma untuk Penempelan Pewarna Alami
Faizatin Liyan Syibyan, Drs. Dwi Siswanta, M.Eng., Ph.D.
Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

595 (121828), 1–12.

Heidemann, H.M., Dotto, M.E.R., Laurindo, J.B., Carciofi, B.A.M., dan Costa, C., 2019, Cold Plasma Treatment to Improve The Adhesion of Cassava Starch Films Onto PCL and PLA Surface, *Colloids Surf. A: Physicochem. Eng. Asp.*, 580 (123739), 1–9.

Homola, T., Matoušek, J., Hergelová, B., Kormunda, M., Wu, L.Y.L., dan Černák, M., 2012, Activation of Poly(methyl methacrylate) Surfaces by Atmospheric Pressure Plasma, *Polym. Degrad. Stab.*, 97 (6), 886–892.

Hoque, M., McDonagh, C., Tiwari, B.K., Kerry, J.P., dan Pathania, S., 2022, Effect of Cold Plasma Treatment on the Packaging Properties of Biopolymer-Based Films: A Review, *Appl. Sci.*, 12 (1346), 1–32.

Inagaki, N., Narushim, K., Tuchida, N., dan Miyazaki, K., 2004, Surface Characterization of Plasma-modified Poly(ethylene terephthalate) Film Surfaces, *J. Polym. Sci. Part B Polym. Phys.*, 42 (20), 3727–3740.

Jangid, A.K., Pooja, D., dan Kulhari, H., 2018, Determination of Solubility, Stability and Degradation Kinetics of Morin Hydrate in Physiological Solutions, *RSC Adv.*, 8 (50), 28836–28842.

Jelil, R.A., 2015, A review of Low-Temperature Plasma Treatment of Textile Materials, *J. Mater. Sci.*, 50 (18), 5913–5943.

Ju, S.G. dan Roh, J., 2020, Manufacturing Regenerated Woody Dyed Fiber from Waste MDF Using Natural Dyes, *J. Korean Wood Sci. Technol.*, 48 (2), 154–165.

Junkar, I., Vesel, A., Cvelbar, U., Mozetič, M., dan Strnad, S., 2010, Influence of Oxygen and Nitrogen Plasma Treatment on Polyethylene Terephthalate (PET) Polymers, *Vacuum*, 84 (1), 83–85.

Kampeerapappun, P., Phattararittigul, T., Jittrong, S., dan Kullachod, D., 2011, Effect of Chitosan and Mordants on Dyeability of Cotton Fabrics with Ruellia Tuberosa Linn, *Chiang Mai J. Sci.*, 38 (1), 95–104.

Khorram, S., Zakerhamidi, M.S., dan Karimzadeh, Z., 2015, Polarity Functions' Characterization and The Mechanism of Starch Modification by DC glow Discharge Plasma, *Carbohydr. Polym.*, 127, 72–78.

Kim, Jongwoon, Mauchauffé, R., Kim, D., Kim, Jaewon, dan Moon, S.Y., 2020, Mechanism Study of Atmospheric-Pressure Plasma Treatment of Carbon Fiber Reinforced Polymers for Adhesion Improvement, *Surf. Coatings Technol.*, 393 (125841), 1–8.

Kohli, D., Garg, S., dan Jana, A.K., 2012, Synthesis of Cross-linked Starch Based Polymers for Sorption of Organic Pollutants From Aqueous Solutions, *Indian Chem. Eng.*, 54 (3), 210–222.

Kongkiatpaiboon, S., Tungsukruthai, P., Sriyakool, K., Pansuksan, K., Tunsirikongkon, A., dan Pandith, H., 2017, Determination of Morin in

UNIVERSITAS
GADJAH MADA
Modifikasi Permukaan Bioplastik Berbahan Pati Singkong Berbasis Fungsionalisasi Plasma untuk Penempelan Pewarna Alami
Faizatin Liyan Syibyan, Drs. Dwi Siswanta, M.Eng., Ph.D.
Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

Maclura cochinchinensis Heartwood by HPLC, *J. Chromatogr. Sci.*, 55 (3), 346–350.

Kwon, Y.A., 2014, Effects of Oxygen Plasma Treatment on the Wettability of Polypropylene Fabrics, *Fash. Text. Res. J.*, 16 (3), 456–461.

Lee, H., Yamaguchi, K., Nagaishi, T., Murai, M., Kim, M., Wei, K., Zhang, K.Q., dan Kim, I.S., 2017, Enhancement of Mechanical Properties of Polymeric Nanofibers by Controlling Crystallization Behavior Using a Simple Freezing/Thawing Process, *RSC Adv.*, 7 (69), 43994–44000.

Lee, J., Kang, M.H., Lee, K.B., dan Lee, Y., 2013, Characterization of Natural Dyes and Traditional Korean Silk Fabric by Surface Analytical Techniques, *Materials (Basel).*, 6 (5), 2007–2025.

Lee, Y.M., You, J., Kim, M., Kim, T.A., Lee, S.S., Bang, J., dan Park, J.H., 2019, Highly Improved Interfacial Affinity in Carbon Fiber-Reinforced Polymer Composites Via Oxygen and Nitrogen Plasma-assisted Mechanochemistry, *Compos. Part B Eng.*, 165, 725–732.

Li, Y., Wu, C., Bai, Y., Liu, S., Yuan, C., Ding, T., dan Hu, Y., 2019, Effect of Glow Discharge Plasma on Surface Modification of Chitosan Film, *Int. J. Biol. Macromol.*, 138, 340–348.

Liu, L., Yang, Q., dan Shen, J., 2015, Correlation Between Porosity and Electrical-mechanical Properties of Carbon Nanotube Buckypaper with Various Porosities, *J. Nanomater.*, 2015, 1–9.

Liu, Y., Liang, Z., Liao, L., dan Xiong, J., 2022, Effect of Sisal Fiber on Retrogradation and Structural Characteristics of Thermoplastic Cassava Starch, *Polym. Polym. Compos.*, 30, 1–12.

Lomelí-Ramírez, M.G., Barrios-Guzmán, A.J., García-Enriquez, S., de Jesús Rivera-Prado, J., dan Manríquez-González, R., 2014, Chemical and Mechanical Evaluation of Bio-composites Based on Thermoplastic Starch and Wood Particles Prepared by Thermal Compression, *BioResources*, 9 (2), 2960–2974.

Maroofi, A., Navab Safa, N., dan Ghomi, H., 2020, Atmospheric Air Plasma Jet for Improvement of Paint Adhesion to Aluminium Surface in Industrial Applications, *Int. J. Adhes. Adhes.*, 98, 102554.

Matoušek, J., Bendlová, N., Kolská, Z., Čapková, P., Pavlík, J., dan Kormunda, M., 2016, Time Dependence of the Surface Chemistry of the Plasma Treated Polypropylene Powder, *Adv. Powder Technol.*, 27 (1), 262–267.

Michels, L., Richter, A., Chellappan, R.K., Røst, H.I., Behsen, A., Wells, K.H., Leal, L., Santana, V., Blawid, R., da Silva, G.J., Cooil, S.P., Wells, J.W., dan Blawid, S., 2021, Electronic and Structural Properties of The Natural Dyes Curcumin, Bixin and Indigo, *RSC Adv.*, 11 (23), 14169–14177.

Mohammed, Z., Jeelani, S., dan Rangari, V.K., 2022, Effect of Low-Temperature Plasma Treatment on Starch-Based Biochar and Its Reinforcement for Three-

UNIVERSITAS
GADJAH MADA
Modifikasi Permukaan Bioplastik Berbahan Pati Singkong Berbasis Fungsionalisasi Plasma untuk Penempelan Pewarna Alami
Faizatin Liyan Syibyan, Drs. Dwi Siswanta, M.Eng., Ph.D.
Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

Dimensional Printed Polypropylene Biocomposites, *ACS Omega*, 7 (44), 39636–39647.

Mrsic, I., Bäuerle, T., Ulitzsch, S., Lorenz, G., Rebner, K., Kandelbauer, A., dan Chassé, T., 2021, Oxygen Plasma Surface Treatment of Polymer Films—Pellethane 55DE and EPR-g-VTMS, *Appl. Surf. Sci.*, 536 (147782), 1–11.

Okoshi, M., Thumsorn, S., dan Hamada, H., 2016, Flame Retardancy of Bio-base Plastics, *Energy Procedia*, 89, 38–44.

Oluwasina, Olugbenga O., Akinyele, B.P., Olusegun, S.J., Oluwasina, Olayinka O., dan Mohallem, N.D.S., 2021, Evaluation of the efects of additives on the properties of starch-based bioplastic film, *SN Appl. Sci.*, 3 (421), 1–12.

Özeren, H.D., Guivier, M., Olsson, R.T., Nilsson, F., dan Hedenqvist, M.S., 2020, Ranking Plasticizers for Polymers with Atomistic Simulations: PVT, Mechanical Properties, and The Role of Hydrogen Bonding in Thermoplastic Starch, *ACS Appl. Polym. Mater.*, 2 (5), 2016–2026.

Pankaj, S.K., Bueno-Ferrer, C., Misra, N.N., O'Neill, L., Tiwari, B.K., Bourke, P., dan Cullen, P.J., 2015, Dielectric Barrier Discharge Atmospheric Air Plasma Treatment of High Amylose Corn Starch Films, *Lwt*, 63 (2), 1076–1082.

Puliyalil, H., Filipič, G., dan Cvelbar, U., 2019, Selective Plasma Etching of Polymers and Polymer Matrix Composites, *Non-Thermal Plasma Technol. Polym. Mater.*, 241–259.

Purnama, H., Hidayati, N., Safitri, D.S., dan Rahmawati, S., 2017, Effect of Initial Treatment in The Preparation of Natural Indigo Dye from Indigofera tinctoria,. In, *Proceeding The 3rd International Conference on Engineering, Technology and Industrial Application (ICETIA)*. 7-8 December 2016, Surakarta.

Quispetera, C.A.O., Olivera, C.A.C., Flores, J.W.V., Benites-Alfaro, E., dan Flores, Y.V., 2021, Bioplastic Made from *Manihot esculenta* (Cassava) and *Ficus benjamina* As an Ecological Alternative for Food Products, *Chem. Eng. Trans.*, 87, 67–72.

Rahayuningsih, E., Marfitania, T., Marfitania, T., Sapto Pamungkas, M., Pamungkas, M.S., Siti Fatimah, W., dan Fatimah, W.S., 2022, Optimization of Cotton Fabrics Dyeing Process Using Various Natural Dye Extracts, *J. Rekayasa Proses*, 16 (1), 58.

Rayatnia, M. dan Foroutan, G., 2022, Surface Functionalization of Polypropylene Nanoparticles in a Pulsed Low Pressure air Plasma Discharge, *Surf. Sci.*, 717 (121987), 1–11.

Reza, M. dan Farahani, Z., 2015, Integrated Micro Pem Fuel Cell With Self-Regulated Hydrogen Generation From Ammonia Borane, *Tesis*, Department of Mechanical Engineering Purdue University, Indianapolis.

Rjeb, M., Labzour, A., Rjeb, A., Sayouri, S., Idrissi, M.C. El, Massey, S., Adnot, A., Roy, D., dan Society, C.M., 2004, Contribution To the Study By X-Ray

UNIVERSITAS
GADJAH MADA
Modifikasi Permukaan Bioplastik Berbahan Pati Singkong Berbasis Fungsionalisasi Plasma untuk Penempelan Pewarna Alami
Faizatin Liyan Syibyan, Drs. Dwi Siswanta, M.Eng., Ph.D.
Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

Photoelectron Spectroscopy of the Natural Aging of the Polypropylene, *Moroccan J. Condens. Matter*, 5 (2), 168–172.

Romani, V.P., Olsen, B., Pinto Collares, M., Meireles Oliveira, J.R., Prentice-Hernández, C., dan Guimarães Martins, V., 2019, Improvement of Fish Protein Films Properties for Food Packaging Through Glow Discharge Plasma Application, *Food Hydrocoll.*, 87, 970–976.

Saikhao, L., Setthayanond, J., Karpkird, T., dan Suwanruji, P., 2022, Mao Berry As A Green Reducing Agent in Natural Indigo Dyeing on Cotton Fabrics, *J. Text. Inst.*, 113 (8), 1538–1544.

Sethi, V., Verma, C., Mukhopadhyay, S., Gupta, A., dan Gupta, B., 2023, Oxidative Functionalization of Polypropylene Mesh Surface by Radio Frequency Plasma, *Surfaces and Interfaces*, 37 (102656), 1–10.

Shafqat, A., Tahir, A., Mahmood, A., Tabinda, A.B., Yasar, A., dan Pugazhendhi, A., 2020, A Review on Environmental Significance Carbon Foot Prints of Starch Based Bio-plastic: A Substitute of Conventional Plastics, *Biocatal. Agric. Biotechnol.*, 27 (101540), 1–8.

Sheikhi, Z., Hosseini, S.M., Khani, M.R., Farhoodi, M., Abdolmaleki, K., Shokri, B., Shojaee-Aliabadi, S., dan Mirmoghtadaie, L., 2021, Treatment of Starch Films with a Glow Discharge Plasma in Air and O_2 at Low Pressure, *Food Sci. Technol. Int.*, 27 (3), 276–285.

Shen, C., Song, G., dan Tang, G., 2018, A Facile Modification Method of Activated Carbon by Spark Discharge of Atmospheric Pressure Plasma jets to Improve Its Adsorption Performance of Methylene Blue, *Surf. Coatings Technol.*, 354, 126–133.

Sofyan, S., Failisnur, F., dan Silfia, S., 2018, Pengaruh Jenis dan Metode Mordan terhadap Kualitas Pewarnaan Kain Katun Menggunakan Limbah Kulit Jengkol (*Archidendron jiringa*), *J. Litbang Ind.*, 8 (1), 1–9.

Song, A.Y., Oh, Y.A., Roh, S.H., Kim, J.H., dan Min, S.C., 2016, Cold Oxygen Plasma Treatments for the Improvement of the Physicochemical and Biodegradable Properties of Polylactic Acid Films for Food Packaging, *J. Food Sci.*, 81 (1), E86–E96.

Sudheesh, C., Sunooj, K.V., Sinha, S.K., George, J., Kumar, S., Murugesan, P., Arumugam, S., Ashwath Kumar, K., dan Sajeev Kumar, V.A., 2019, Impact of Energetic Neutral Nitrogen Atoms Created by Glow Discharge Air Plasma On the Physico-chemical and Rheological Properties of Kithul Starch, *Food Chem.*, 294, 194–202.

Sun, X., Bao, J., Li, K., Argyle, M.D., Tan, G., Adidharma, H., Zhang, K., Fan, M., dan Ning, P., 2021, Advance in Using Plasma Technology for Modification or Fabrication of Carbon-Based Materials and Their Applications in Environmental, Material, and Energy Fields, *Adv. Funct. Mater.*, 31 (2006287), 1–26.

UNIVERSITAS
GADJAH MADA
Modifikasi Permukaan Bioplastik Berbahan Pati Singkong Berbasis Fungsionalisasi Plasma untuk Penempelan Pewarna Alami
Faizatin Liyan Syibyan, Drs. Dwi Siswanta, M.Eng., Ph.D.
Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

Suprapto, 2018, *Pengembangan Teknologi Plasma Untuk Nitridasi*, Pustaka Pelajar, Yogyakarta.

Swargiary, A. dan Ronghang, B., 2013, Screening of Phytochemical Constituents, Antioxidant and Antibacterial Properties of Methanolic Bark Extracts of *Maclura Cochinchinensis* (Lour.) Corner, *Int. J. Pharma Bio Sci.*, 4 (4), 449–459.

Tabaei, P.S.E., Ghobeira, R., Cools, P., Rezaei, F., Nikiforov, A., Morent, R., dan De Geyter, N., 2020, Comparative Study Between In-plasma and Post-plasma Chemical Processes Occurring at the Surface of UHMWPE Subjected to Medium Pressure Ar and N_2 Plasma Activation, *Polymer (Guildf).*, 193 (122383), 1–13.

Teklemedhin, T.B. dan Gopalakrishnan, L.H., 2018, Environmental Friendly Dyeing of Silk Fabric with Natural Dye Extracted from Cassia singueana Plant, *J. Text. Sci. Eng.*, 01 (S3), 1–6.

Teli, M.D., Sheikh, J., dan Shastrakar, P., 2013, Exploratory Investigation of Chitosan as Mordant for Eco-Friendly Antibacterial Printing of Cotton with Natural Dyes, *J. Text.*, 2013, 1–6.

Terpiłowski, K., Wiącek, A.E., dan Jurak, M., 2018, Influence of Nitrogen Plasma Treatment on The Wettability of Polyetheretherketone and Deposited Chitosan Layers, *Adv. Polym. Technol.*, 37 (6), 1557–1569.

Tran, T.N., Mai, B.T., Setti, C., dan Athanassiou, A., 2020, Transparent Bioplastic Derived from CO_2-Based Polymer Functionalized with Oregano Waste Extract toward Active Food Packaging, *ACS Appl. Mater. Interfaces*, 12 (41), 46667–46677.

Tubić, A., Vujić, M., Gvoić, V., Agbaba, J., Vasiljević, S., Cveticanin, L., Vukelić, Đ., dan Prica, M., 2023, Sorption Potential of Microplastics for Azo- and Phthalocyanine Printing Dyes, *Dye. Pigment.*, 209 (110884), 1–11.

Vesel, A., Mozetic, M., dan Zalar, A., 2007, XPS study of oxygen plasma activated PET, *Vacuum*, 82, 248–251.

Vuorema, A., John, P., Keskitalo, M., Kulandainathan, M.A., dan Marken, F., 2008, Electrochemical and Sonoelectrochemical Monitoring of Indigo Reduction by Glucose, *Dye. Pigment.*, 76 (2), 542–549.

Wieland, F., Bruch, R., Bergmann, M., Partel, S., Urban, G.A., dan Dincer, C., 2020, Enhanced Protein Immobilization on Polymers-A Plasma Surface Activation Study, *Polymers (Basel).*, 12 (1), 1–12.

Yang, P., Shen, A., Cao, Y., Zhu, Z., Liu, X., Zhou, Z., Chen, M., dan Zhou, X., 2023, Effects of Air-plasma Treatment in Enhancing The Mechanical Properties of Oriented Strand Boards, *Int. J. Adhes. Adhes.*, 125 (103435), 1–9.

Zhang, H., Su, Z., dan Wang, X., 2022, Starch-Based Rehealable and Degradable Bioplastic Enabled by Dynamic Imine Chemistry, *ACS Sustain. Chem. Eng.*, 10 (26), 8650–8657.