

DAFTAR PUSTAKA

- Abudayeh Z.H., Khalifa, I.I.A., Mohammed S.M., Ahmad, A.A., 2019, Phytochemical Content and Antioxidant Activities of Pomelo Peel Extract, *Pharmacognosy Research*, 11(3): 244-247.
- Adhi, N.R., 2020, Formulasi Krim Antijerawat Ekstrak Daun Bandotan (*Ageratum conyzoides* L.) Terhadap Bakteri *Staphylococcus aureus*, *Skripsi*, Program Studi S1 Farmasi, Universitas Muhammadiyah Magelang.
- Adyitia, A., Untari, E., & Wahdaningsih, S., 2014, Efek Ekstrak Etanol Daun *Premna cordifolia* terhadap Malondialdehida Tikus yang Dipapar Asap Rokok, *Pharmaceutical Sciences And Research (PSR)*, 1(2): 104-115.
- Agung, M.T., Santoso, F., Sutanto, H., 2020, Antioxidant, Antimicrobial, and Preservation Activities Evaluation of Tropical Fruit Peel Extracts, *TP368 Food Processing and Manufacture - SGU Repository*, e1740.
- Ahmad, A.A., Khalifa, I.I.A., Abudayeh, Z.H., 2018, The Role of Pomelo Peel Extract for Experimentally Induced Wound in Diabetic Rats, *Pharmacognosy Journal*, 10(5): 885-891.
- Alam, M. A., Subhan, N., Rahman, M., Uddin, S. J., Reza, H., and Sarker, S., 2014, Effect of Citrus Flavonoids, Naringin, and Naringenin, on Metabolic Syndrome and Their Mechanisms of Action, *American Society for Nutrition*, 5: 404-417.
- Anas, Y., Fithria R.F., Purnamasari Y.A., Ningsih K.A., Noviantoro A.G., dan Suharjono, 2012, Aktivitas Antidiare Ekstrak Etanol Daun Randu (*Ceiba petandra* L. Gaern.) pada Mencit Jantan Galur Balb/C, Fakultas Farmasi Universitas Wahid Hasyim dan Fakultas Kedokteran Universitas Diponegoro: 1(2): 21-2.
- Anchal, S., Pandey, S., Arpita, S., Aqil, S., 2020, Cream: A Topical Drug Delivery System (TDDS), *European Journal of Pharmaceutical and Medical Research*, 8(1) : 340-342.
- Anh, M.N.T., Hung, P.V., Phi, N.T.L., 2021, Optimized Conditions for Flavonoid Extraction from Pomelo Peel Byproducts under Enzyme- and Ultrasound-Assisted Extraction Using Response Surface Methodology, 2021(6666381) : 1-10.
- Ani dan Abel, 2018, Nutrient, Phytochemical, and Antinutrient Composition of *Citrus maxima* Fruit Juice and Peel Extract, *Food Science & Nutrition*, 6(3): 653-658.
- Anief, M., 2006, *Ilmu Meracik Obat*, Gadjah Mada University Press, Yogyakarta.
- Annisa, S.F., 2019, Perancangan Kampanye Sosial Pencegahan Penuaan Kulit Sedingi Mungkin pada Perempuan Melalui Konten Ilustrasi Digital di Media Sosial. *Skripsi*, Universitas Komputer Indonesia.
- Anonim, 1995, *Farmakope Indonesia*, Edisi IV, Departemen Kesehatan Republik Indonesia, Jakarta.
- Ayala, A., Munoz, M.F., Arguelles, S., 2014, Lipid Peroxidation: Production, Metabolism, and Signaling Mechanisms of Malondialdehyde and 4-Hydroxy-2-Nonenal, *Oxidative Medicine and Cellular Longevity*, 360438: 1-31.

- Azab A.E., Albasha M.O., Elsayed A.S.I., 2017, Prevention of Nephropathy by Some Natural Sources of Antioxidants, *Yangtze Medicine*, 1:235– 266.
- Berglund, L., Brunzell, J.D., Goldberg, A.C., Goldberg, I.J., Sacks, F., Murad, M.H., Stalenhoef, A.F.H., 2012, Evaluation and Treatment of Hypertriglyceridemia: An Endocrine Society Clinical Practice Guideline, *The Journal of Clinical Endocrinology and Metabolism*, 97(9): 2969-2989.
- Berker, K.I., Guclu, K., Tor, I., Demirata, B., 2010, Total Antioxidant Capacity Assay Using Optimized Ferricyanide/Prussian Blue Method, *Food Analytical Methods*, 3(3): 154-168.
- Brewer, M.S., 2011, Natural Antioxidants: Sources, Compounds, Mechanisms of Action, and Potential Applications, *Coprehensive Reviews in Food Science and Food Safety*, 10: 221-247.
- Budiarso, F.S., Elya, B., Hanafi, M., Limengan, A.H., Rahmasari, R., 2021, Antioxidant Activity of Methanol Fractions Stem Bark of Kayu Sarampa (*Xylocarpus moluccensis* (Lam.) M. Roen)), *Pharmacogn J.*, 13(6): 1694-1701.
- Cahyono, B., Setyadewi, C., Suzery, M., Aminin, A.L.N., 2020, The Comparison of Spectrophotometric and TLC-Densitometric for DPPH Radical Scavenging Activity Analysis of Three Medicinal Plant Extracts, 5(2): 110-122.
- Chang, S.Q., dan Azrina, A., 2017, Antioxidant Content and Activity in Different Parts of Pomelo [*Citrus grandis* (L.) Osbeck] By-Products, *Acta Horticulturae*, 1152 : 27-34.
- Chauhan, L., Gupta, S., 2020, Creams: A Review on Classification, Preparation Methods, Evaluation and its Applications, *Journal of Drug Delivery and Therapeutics*, 10(5) : 281-289.
- Chavan, U.D., 2018, Phenolic: *Antioxidants and Health, Benefits*, hal. 29, Scientific Publisher.
- Chen, M.X., Alexander, K.S., dan Baki, G., 2016, Formulation and Evaluation of Antibacterial Creams and Gels Containing Metal Ions for Topical Application, *Journal of Pharmaceutics*, 2016(5754349).
- Czech, A., Malik, A., Sosnowska, B., Domaradzki, P., 2021, Bioactive Substances, Heavy Metals, and Antioxidant Activity in Whole Fruit, Peel, and Pulp of Citrus Fruits, *International Journal of Food Science*, 2021(6662259) : 1-14.
- Ding, L., Zhang, X., dan Zhang, J., 2021, Antioxidant Activity In Vitro Guided Screening and Identification of Flavonoids Antioxidants in the Extract from *Tetrastigma hemsleyanum* Diels et Gilg, *International Journal of Analytical Chemistry*, 2021: 7195125.
- Ding, X., Guo, L., Zhang, Y., Fan, S., Gu, M., Lu, Y., Jiang, D., Li, Y., Huang, C., Zhou, Z., 2013, Extracts of Pomelo Peels Prevent High-Fat Diet-Induced Metabolic Disorders in C57BL/6 Mice Through Activating The PPAR α And GLUT4 Pathway, *PLoS One*, 8(10): e77915.
- Dizdar, M., Vidic, D., Pozgan, F., Stefane, B., dan Maksimovic, M., 2018, Acetylcholinesterase Inhibition and Antioxidant Activity of N-trans-Caffeoyldopamine and N-trans-Feruloyldopamine, *Scientia Pharmaceutica*, 86(11): 1-12.

- Elcistia, R., dan Zulkarnain, A.K., 2018, Optimasi Formula Sediaan Krim o/w Kombinasi Oksibenzon dan Titanium Dioksida Serta Uji Aktivitas Tabir Suryanya Secara *In Vivo*, *Majalah Farmaseutik*, 14(2) : 63-78.
- Elkhatim, K.A.S., Elagib, R.A.A., Hassan, A.B., 2018, Content of Phenolic Compounds and Vitamin C and Antioxidant Activity in Wasted Parts of Sudanese Citrus Fruits, *Food Science and Nutrition*, 6(5): 1214-1219.
- Fadah, I., dan Nugrahaningsih, W.H., 2020, Efek Pemberian Ekstrak Kulit Buah Jeruk Bali (*Citrus maxima*) terhadap Kadar Glukosa Darah dan Kadar MDA Tikus Hiperglikemia, *Unnes Journal of Life Science*, 9 (1): 62-71.
- Fajrin, F.A., 2012, Aktivitas Antidiare Ekstrak Etanol Daun Seledri (*Apium graveolens* L.) pada Mencit Jantan, *Pharmacy*, 9(1): 1-8.
- Fidrianny, I., Sari, E., Ruslan, K., 2016, Phytochemical Content and Antioxidant Activities in Different Organs of Pomelo (*Citrus maxima* [Burm.] Merr.) Using 2,2-Diphenyl-1-Picrylhydrazyl and Phosphomolybdenum Assays, *Asian Journal of Pharmaceutical and Clinical Research*, 9(2) : 185-190.
- Flieger, J., dan Flieger, M., 2020, The [DPPH•/DPPH-H]-HPLC-DAD Method on Tracking the Antioxidant Activity of Pure Antioxidants and Goutweed (*Aegopodium podagraria* L.) Hydroalcoholic Extracts, *Molecules*, 25(6005): 1-17.
- Foti, M.C., 2015, Use and Abuse of the DPPH (•) Radical, *J. Agric. Food Chem.*, 63(40): 8765-76.
- Furi, P.R., dan Wahyuni, A.S., 2011, Pengaruh Ekstrak Etanol Jamur Lingzhi (*Ganoderma lucidum*) Terhadap Kadar HDL (*High Density Lipoprotein*) pada Tikus Dislipidemia, *Pharmacon*, 12(1): 1-8.
- Galili, S., dan Hovav, R., 2014, Determination of Polyphenols, Flavonoids, and Antioxidant Capacity in Dry Seeds, *Polyphenols in Plants*, 16: 305-323.
- Goh, R. M. V., Lau, H., Liu, S. Q., Lassabliere, B., Guervilly, R., Sun, J., Bian Y., Yu, B, 2019, Comparative Analysis of Pomelo Volatiles Using Headspace-Solid Phase Micro-Extraction and Solvent Assisted Flavour Evaporation, *LWT-Food Sciences and Technology*, 99: 328-345.
- Guchu, B.M., Machocho, A.K., Mwihi, S.K., Ngugi, M.P., 2020, In Vitro Antioxidant Activities of Methanolic Extracts of *Caesalpinia volkensii* Harms., *Vernonia lasiopus* O. Hoffm., and *Acacia hockii* De Wild, *Evidence-Based Complementary and Alternative Medicine*, 3586268: 10.
- Gulcin, I., dan Alwasel, S.H., 2022, Metal Ions, Metal Chelators and Metal Chelating Assay as Antioxidant Method, *Processes*, 10(132) : 1-16.
- Gupta, D., 2015, Methods for Determination of Antioxidant Capacity: A Review, *International Journal of Pharmaceutical Sciences and Research*, 6(2): 546-566.
- Gupta, S., Finelli, R., Agarwal, A., Henkel, R., 2020, Total Antioxidant Capacity - Relevance, Methods and Clinical Implications, *Andrologia*, e13624.
- Gurning, H.E.T., Wullur, A.C., & Lolo, W.A., 2016, Formulasi Sediaan Losio dari Ekstrak Kulit Buah Nanas (*Ananas comosus* L.(Merr)) sebagai Tabir Surya, *Pharmacon*, 5(3).
- Gyawali, R., Jeon, D., Moon, J., Kim, H., Song, Y., Hyun, H., Jeong, D., Cho, S., 2013, Chemical Composition and Antiproliferative Activity of Supercritical Extract of *Citrus grandis* (L.) Osbeck Fruits From Korea, *Journal of Essential Oil Bearing Plants*, 15: 915–925.

- He, J.Z., Shao, P., Liu, J.H., dan Ru, Q.M., 2012, Supercritical Carbon Dioxide Extraction of Flavonoids from Pomelo (*Citrus grandis* (L.) Osbeck) Peel and Their Antioxidant Activity, *International Journal of Molecular Sciences*, 13(10) : 13065-13078.
- He, W., Li, X., Peng, Y., He, X., Pan, S., 2019, Anti-Oxidant and Anti-Melanogenic Properties of Essential Oil from Peel of Pomelo cv. Guan Xi, *Molecules*, 24(242): 1-13.
- Hong, H.J., Jin, J.Y., Yang, H., Kang, W.Y., Kim, D.G., Lee, S., Choi, Y., Kim, J.H., Han, C.H., Lee, Y. J., 2010, Dangyuja (*Citrus grandis* Osbeck) Peel Improves Lipid Profiles and Alleviates Hypertension in Rats Fed A High-Fat Diet, *Laboratory Animal Research*, 26(4): 361-367.
- Hunyadi, 2019, The Mechanism(s) of Action of Antioxidants: From Scavenging Reactive Oxygen/Nitrogen Species to Redox Signaling and The Generation of Bioactive Secondary Metabolites, *Medicinal Research Reviews*, 1-29.
- Husnani, dan Rizki, F.S., 2019, Formulasi Krim Antijerawat Ekstrak Etanol Bawang Dayak (*Eleutherina palmifolia* (L.) Merr), *Jurnal Ilmu Farmasi dan Farmasi Klinik*, 16(1) : 8-14.
- Ibrahim, M., Amin, M.N., Millat, M.S., Raju, J.A., Hussain, M.S., Sultana, F., dkk., 2018, Methanolic Extract of Peel of *Citrus maxima* Fruits Exhibit Analgesic, CNS Depressant and Anti-Inflammatory Activities in Swiss Albino Mice, *BEMS Reports*, 4(1).
- Jang, H.D., Chang, K.S., Chang, T.C., Hsu, C.L., 2010, Antioxidant Potentials of Buntan Pumelo (*Citrus grandis* Osbeck) and Its Ethanolic and Acetified Fermentation Products, *Food Chemistry*, 118(3) : 554-558.
- Jia, X., Bajaj, M., Chan, L., 2021, Hyperlipidemia, *Conn's Current Therapy 2021*, 322-330.
- Jun, M.H.Y., Yu, J., Fong, X., Wan, C.S., Yang, C.T., Ho, 2001, Comparison of Antioxidant Activities of Isoflavones from Kudzu Root (*Pueraria labata* Ohwl), *J. Food Sci.*, Institute of Technologist, 68: 2117-2122.
- Khairunnisa, N., 2018, Formulasi Gel dan Krim Penangkap Radikal 2,2-Difenil-1-Pikrilhidrazil dari Kombinasi Ekstrak Buah Strawberry, Ekstrak Kulit Buah Jeruk Bali, dan Ekstrak Buah Langsung serta Uji Stabilitasnya, *Skripsi*, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Khan, N.H., Qian, C.J., Perveen, N., 2018, Phytochemical Screening, Antimicrobial And Antioxidant Activity Determination of *Citrus maxima* Peel, *Pharmacy & Pharmacology International Journal*, 6(4) : 279-285.
- Kumar, S., Singh, I., Kohli, D., Joshi, J., dan Mishra, R., 2019, Waste Pomelo (*Citrus maxima*) Peels – A Natural Source of Antioxidant and its Utilization in Peanut Oil for Suppressing the Development of Rancidity, *Current Research in Nutrition and Food Science*, 7(3) : 800-806.
- Kumar, D., Landaniya, M.S., Gurjar, M., 2018, Underutilized Citrus sp. Pomelo (*Citrus grandis*) and Kachai lemon (*Citrus jambhiri*) exhale in Phytochemicals and Antioxidant Potential, *Journal of Food Science and Technolology*, 56(1) : 217-223.
- Kurniasih, N., 2016, Formulasi Sediaan Krim Tipe M/A Ekstrak Biji Kedelai (*Glycine max* L.): Uji Stabilitas Fisik dan Efek Pada Kulit, *Publikasi Ilmiah*, Fakultas Farmasi, Universitas Muhammadiyah Surakarta.

- Lan-Phi, N.T., & Vy, T.T., 2015, Chemical Composition, Antioxidant and Antibacterial Activities of Peels' Essential Oils of Different Pomelo Varieties In The South Of Vietnam, *International Food Research Journal*, 22(6): 2426–2431.
- Lasmitasari, 2019, Pembuatan Sediaan Krim dengan Bahan Aktif Ekstrak Daun Pepaya (*Carica papaya* L.), *Tugas Akhir*, Politeknik Kesehatan Tanjungkarang.
- Legifani, M.E., 2018, Karakteristik dan Uji Stabilitas Sediaan Krim Ekstrak Etanol Daun Kersen (*Muntingia calabura* L.), *Karya Tulis Ilmiah*, Farmasi Politeknik Kesehatan Kemenkes Kupang.
- Li, F., Li, S., Li, H.-B., Deng, G.-F., Ling, W.-H., Wu, S., Xu, X.-R., Chen, F., 2013, Antiproliferative Activity of Peels, Pulps and Seeds of 61 Fruits, *Journal Offunctional Foods*, 5(3): 1298-1309.
- Li, G., Cheng, Y., Zhang, T., Li, Y., Han, L., Liang, G., 2021, Characterization of Oxygenated Heterocyclic Compounds and *in vitro* Antioxidant Activity of Pomelo Essential Oil, *Drug Design, Development and Therapy*, 15 : 937-947.
- Liang, N., Kitts, D.D., 2014, Antioxidant Property of Coffee Components: Assessment of Methods that Define Mechanisms of Action, *Molecules*, 19(11): 19180-19208.
- Lien, D. N., Quynh, N. T. T., Phuc, D. V., Phong, V. C., Huong, P. T., 2010, Effect of Pomelo (*Citrus grandis* (L). Osbeck) Peel Extract on Lipid-Carbohydrate Metabolic Enzymes and Blood Lipid, Glucose Parameters in Experimental Obese and Diabetic Mice, *VNUJournal of Science: Natural Sciences and Technology*, 26(4): 224-232.
- Liquori, I., Russo, G., Curcio, F., Bulli, G., Aran, L., -Morte, D.D., Gargiulo, G., Testa, G., Cacciatore, F., Bonaduce, D., Abete, P., 2018, Oxidative Stress, Aging, and Diseases, *Clinical Interventions in Aging*, 757-772.
- Lu, Z., Zhang, Z., Wu, H., Zhou, Z., Yu, J., 2016, Phenolic Composition and Antioxidant Capacities of Chinese Local Pummelo Cultivars' Peel, *Horticultural Plant Journal*, 2(3): 133-140.
- Lukic, M., Pantelic, I., dan Savic, S.D., 2021, Towards Optimal pH of the Skin and Topical Formulations: From the Current State of the Art to Tailored Products, *Cosmetics*, 8(69) : 1-18.
- Lukitaningsih, E., Saputro, A.H., Widiastri, M., Khairunnisa, N., Prabeswari, Kusumayuning, R., 2021, In Vitro Antiaging Analysis of Topical Pharmaceutical Preparation Containing Mixture of Strawberry Fruit, Pomelo Peel, and Langsung Fruit Extracts, *Indonesian Journal of Chemometrics and Pharmaceutical Analysis*, 1(1) : 52-60.
- Mapunya, M.B., Nikolova, R.V., Lall, N., 2012, Melanogenesis and Antityrosinase Activity of Selected South African Plants, *Evidence-Based Complementary and Alternative Medicine*, 374017: 1-6.
- Marchaban, dkk., 2017, *Teknologi Formulasi Sediaan Cair Semi Padat*, Edisi ketiga, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.
- Marchaban, Fudholi, A., Sulaiman, T.N.S., Mufrod, Martin, R., Bestari, A.N., 2015, *Seri Buku Petunjuk Praktikum Teknologi Farmasi: Teknologi Formulasi Sediaan Cair Semi Padat*, Laboratorium Teknologi Farmasi Fakultas Farmasi UGM, Yogyakarta.

- Mariod, A.A., Mirghani, M.E.S., Hussein, I., 2017, *Vangueria madagascariensis* (Rubiaceae) as New Oil Source, *Unconventional Oilseeds and Oil Sources*, 28 : 167-180.
- Mohammed, S., Almonuim, A.E.A., Majeed, A., Khlaf, H., 2021, The Anti-Diabetic and Anti-Hyperlipidemia effect of *Citrus maxima* Fruit Peel extract in Streptozotocin - Induced Diabetic Rats, *Research Journal of Pharmacy and Technology*, 14(10): 5355-5358.
- Morales, N.P., Sirijaroonwong, S., Yamanont, P., Phisalaphong, C., 2015, Electron Paramagnetic Resonance Study of the Free Radical Scavenging Capacity of Curcumin and Its Demethoxy and Hydrogenated Derivatives, *Biological and Pharmaceutical Bulletin*, 38(10): 1478-1483.
- Mu, T.H., Sun, H.N., 2019, Sweet Potato Leaf Polyphenols: Preparation, Individual Phenolic Compound Composition and Antioxidant Activity, *Polyphenols in Plants (Second Edition)*, 22 : 365-380.
- Munteanu, I.G., dan Apetrei, C., 2021, Analytical Methods Used in Determining Antioxidant Activity: A Review, *International Journal of Molecular Sciences*, 22(3380): 1-30.
- Musfandy, 2017, Formulasi dan Uji Aktivitas Antioksidan Krim Ekstrak Etanol Kulit Jeruk Bali (*Citrus maxima* L.) Dengan Metode DPPH (*1,1-Diphenyl-2-picrylhydrazyl*), *Skripsi*, Fakultas Kedokteran dan Ilmu Kesehatan, Universitas Islam Negeri Alauddin Makassar.
- National Center for Biotechnology Information, 2022, *PubChem Substance Record for SID 441113617, 2,2-Diphenyl-1-picrylhydrazyl (free radical)*, Sumber: Apexmol, Diakses pada 16 Februari 2022 dari <https://pubchem.ncbi.nlm.nih.gov/substance/441113617>.
- Nemeth, V., Pflieger N., 2022, *Diarrhea*, Treasure Island (FL): StatPearls Publishing, diakses di : <https://www.ncbi.nlm.nih.gov/books/NBK448082/> Januari 2022.
- Nguyen, N.H.K., Duong, H., Long, H., Nhi, T.T.Y., Phat, D.T., 2020, Effects of Microwave Extraction Conditions on Polyphenol Content and Antioxidant Activity of Pomelo Extract (*Citrus maxima* (Burm.)Merr.), *IOP Conference Series: Materials Science and Engineering*, 991(1) : 1-7.
- Nisa, K. dan Surbakti, E.S.B., 2016, Tomat (*Lycopersicum esculentum* Mill.) sebagai Anti Penuaan Kulit, *Majority*, 5(3): 73-78.
- Nisa, M.K., 2020, Aktivitas Antioksidan dan Sifat Krim Kurkumin (Review), *Skripsi*, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Niu, D., Ren, E.F., Li, J., Zeng, X.A., Li, S.L., 2021, Effects of Pulsed Electric Field-Assisted Treatment on The Extraction, Antioxidant Activity and Structure of Naringin, *Separation and Purification Technology*, 265(2021) : 11840.
- Nkhili, E., dan Brat, P., 2011, Reexamination of the ORAC assay: effect of metal ions. *Analytical and Bioanalytical Chemistry*, 400: 1451-1458.
- Pallavi, M., Ramesh, C. K., Krishna, V., Sameera, P., Nanjunda S.L., 2017, Quantitative Phytochemical Analysis and Antioxidant Activities of Some Citrus Fruits of South India, *Asian Journal of Pharmaceutical and Clinical Research*, 10(12): 198-205.

- Pallavi, M., Ramesh, C. K., Krishna, V., Sameera, P., 2018, Peels of Citrus Fruits: A Potential Source of Anti-Inflammatory and Antinociceptive Agents, *Pharmacognosy Journal*, 10(6s): 172–178.
- Phuong, T.N.Q., Hung, P.V., Phi, N.T.L., 2020, Extraction of Flavonoids in Pomelos' Peels Using Box-Behnken Response Surface Design and Their Biological Activities, *Vietnam Journal of Science, Technology and Engineering*, 63(2) : 52-57.
- Pichaiyongvongdee, S., Rattanapun, B., dan Haruenkit, R., 2014, Total Polyphenol Content and Antioxidant Properties in Different Tissues of Seven Pomelo (*Citrus grandis* (L.) Osbeck) Cultivars, *Kasetsart Journal - Natural Science*, 48(6) : 989-996.
- Pisoschi, A.M., Pop, A., Cimpeanu, C., dan Predoi, G., 2016, Antioxidant Capacity Determination in Plants and Plant-Derived Products: A Review, *Oxidative Medicine and Cellular Longevity*, 2016: 9130976.
- Poljsak, B., Kovac, V., Millisav, I., 2021, Antioxidants, Food Processing and Health, *Antioxidants*, 10(3): 1-11.
- Prabaswari, N., 2018, Formulasi serta Uji Stabilitas Kombinasi Ekstrak Buah Strawberry, Buah Langsung, dan Kulit Buah Jeruk Bali Dalam Krim Penangkap Radikal DPPH (2,2-Difenil-1-Pikrilhidrazil), *Skripsi*, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Prastiwi, R., Elya, B., Hanafi, M., Desmiaty, Y., Sauriasari, R., 2020, The Antioxidant Activity of Sterculia stipulata Korth Woods and Leaves by FRAP Method, *Pharmacogn J.*, 12(2): 236-239.
- Prenzler, P.D., Ryan, D., dan Robards, K., 2021, Introduction to Basic Principles of Antioxidant Activity, *Food Chemistry, Function, and Analysis*, 28(1): 1-61.
- Puglisi, I., De Patrizio, A., Schena, L., Jung, T., Evoli, M., Pane, A., Hoa, N.V., Tri, M.V., Wright S., Ramstedt M., Olsson, C., Faedda, R., Lio G.M.S., Cacciola, S. O., 2017, Two Previously Unknown Phytophthora Species Associated with Brown Rot of Pomelo (*Citrus Grandis*) Fruits in Vietnam, *PLoS One*, 12(2):1-19.
- Qonitah, Fadilah, 2017, Pemanfaatan Ekstrak Buah Strawberry (*Fragaria x ananassa* (Duchesne ex Weston)) sebagai Bahan Kosmetik: Uji Aktivitas Antiaging dan Antibakteri Secara In Vitro, *Tesis*, Program Pascasarjana Universitas Gadjah Mada, Yogyakarta.
- Rafsanjani dan Putri, 2015, Karakterisasi Ekstrak Kulit Jeruk Bali Menggunakan Metode Ultrasonic Bath (Kajian Perbedaan Pelarut dan Lama Ekstraksi), *Jurnal Pangan dan Agroindustri*, 3(4): 1473-1480.
- Rahman, N. F. A., Shamsudin, R., Ismail, A., Shah, N. N. A. K., Varith, J., 2018, Effects of Drying Methods on Total Phenolic Contents and Antioxidant Capacity of The Pomelo (*Citrus grandis* (L.) Osbeck) Peels, *Innovative Food Science & Emerging Technologies*, 50: 217-225.
- Rahmawati D., Sukmawati A., & Indrayudha P., 2010, Formulasi Krim Minyak Atsiri Rimpang Temu Giring (*Curcuma heyneana* Val & Zijp): Uji Sifat Fisik dan daya Antijamur Terhadap *Candida albicans* Secara In Vitro, *Majalah Obat Tradisional*, 15(2) : 56-63.
- Restu, W.K., Sampora Y., Meliana Y., & Haryono A., 2015, Effect of Accelerated Stability Test on Characteristics of Emulsion Systems with Chitosan as a

- Stabilizer, *International Symposium on Applied Chemistry Prodia Chemistry*, 16 : 171-176.
- Romulo, A., 2020, The Principle of Some *In Vitro* Antioxidant Activity Methods: Review, *IOP Conf. Ser.: Earth Environ. Sci.*, 426: 012177.
- Rosmala, D., Anwar, E., K.S., Yunita, 2014, Uji Stabilitas Fisik Formula Krim yang Mengandung Ekstrak Kacang Kedelai (*Glycine max*), *Pharm. Sci. Res.*, 1(3) : 194-208.
- Ru, Q., Cai, R., dan He, J., 2013, Comparison of Different Extraction Methods for Antioxidant Property of Flavonoids from Pomelo Peel, *Advanced Materials Research*, 652-654 (2013) : 443-448.
- Sanchez, N.F.S., Coronado, R.S., Canongo, C.V., Carlos, B.H., 2019, Antioxidant Compounds and Their Antioxidant Mechanism, *Antioxidants*, 1-28.
- Sasikumar, J.M., Erba, O., Egigu, M.C., 2020, In vitro antioxidant activity and polyphenolic content of commonly used spices from Ethiopia, *Heliyon*, 6(9): e05027.
- Shahidi, F., dan Zhong, Y., 2015, Measurement of Antioxidant Acitivity, *Journal of Functional Foods*, 18(B): 757-781.
- Shovyana, H.H., Zulkarnain, A.K., 2013, Physical Stability and Activity of Cream W/Oetanolic Fruit Extract Mahkota Dewa (*Phaleria macrocarph*) as a Sunscreen, *Traditional Med J.*, 18(2) : 109-117.
- Siddeeg, A., AlKehayez, N.M., Hiamed, A., Al-Sanea, E.A., Al-Farga, A.M.A., 2021, Mode of Action and Determination of Antioxidant Activity in The Dietary Sources: An Overview, *Saudi Journal of Biological Sciences*, 28(3): 1633-1644.
- Silva, E. S., Oliveira, B. G., Pereira, A. C. H., Pimentel, E. F., Pez- zuto, J.M., Lenz, D., Kondratyuk, T.P., Andrade, T.U., Fronza, M., Scherer, R., Maia, J.F., Romao, W., Alves, F.L., Ventura, J.A., Endringer, D. C., 2018, Induction of NAD (P)H: Quinone Reductase 1 (QR1) and Antioxidant Activities in Vitro of 'Toranja Burarama' (*Citrus maxima* [Burm.]Merr.), *Phytotherapy Research*, 32(10), 2059-2068.
- Sinaga, E., dan Nurbaya, S., 2016, Formulasi Krim Anti-Aging dari Ekstrak Kulit Jeruk Bali (*Citrus maxima* (Burm). Merr) dan Sari Buah Mangga Manalagi (*Mangifera indica*. L), *Fakultas Farmasi dan Ilmu Kesehatan, Universitas Sari Mutiara Indonesia*, 1(1) : 1-6.
- Skendi, A., 2021, Alternatives to Increase the Antioxidant Capacity of Bread with Phenolics, *Trends in Wheat and Bread Making*, 11: 311-341.
- Smolskaite, L., Venskutonis, P.R., Talou, T., 2015, Comprehensive Evaluation of Antioxidant And Antimicrobial Properties of Different Mushroom Species, 60(1): 462-471.
- Spiegel, M., Kapusta, K., Kolodziejczyk, W., Saloni, J., Zbikowska, B., Hill, G.A., Sroka, Z., 2020, Antioxidant Activity of Selected Phenolic Acids–Ferric Reducing Antioxidant Power Assay and QSAR Analysis of the Structural Features, *Molecules*, 25(3): 1-15.
- Stone N.J., Robinson, J.G., Lichtenstein, A.H., Merz, C.N.B., Blum, C.B., Eckel, R.H., Goldberg, A.C., Gordon, D., Levy, D., Llioyd-Jones, D.M., McBride, P., Schwartz, J.S., Shero, S.T., Smith Jr, S.C., Watson K., Peter, W. F. W., 2014, 2013 ACC/AHA Guideline on The Treatment of Blood

- Cholesterol to Reduce Atherosclerotic Cardiovascular Risk in Adults, *Circulation*, 129(25): 1-45.
- Sukmawati, I.K., Sukandar E.Y., Kurniati N.F., 2017, Aktivitas Antidiare Ekstrak Etanol Daun Suji (*Dracaena angustifolia* Roxb), *Pharmacy*, 14(2): 180.
- Sukweenadhi, J., Yunita, O., Setiawa, F., Kartini, Siagian, M.T., Danduru, A.P., Avanti, C., 2020, Antioxidant Activity Screening of Seven Indonesian Herbal Extract, *Biodiversitas*, 21(5): 2062-2067.
- Suryaningsih, S., Djali, M., Muslim, B., dan Adisaputra, R., 2019, Bioactive Content and Antioxidant Activity of Albedo Pomelo (*Citrus grandis*, *C. maxima*) Extract Using A Method of 2,2-Dhipenil-1-Picrylhydrazyl (DPPH) in Various Types of Extraction Solvent, *Asian Jr. of Microbiol. Biotech. Env. Sc.*, 21(4) : 846-850.
- Suryanita, Aliyah, Djabir, Y.Y., Wahyudin, E., Rahman, L., Yulianty, R., 2019, Identifikasi Senyawa Kimia dan Uji Aktivitas Antioksidan Ekstrak Etanol Kulit Jeruk Bali (*Citrus maxima* Merr.), *Majalah Farmasi dan Farmakologi*, 23(1): 16-20.
- Swastika, Alissya N.S.P., Mufrod, dan Purwanto, 2013, Antioxidant Activity of Cream Dosage Form of Tomato Extract (*Solanum lycopersicum* L.), *Traditional Medicine Journal*, 18(3): 132-140.
- Tena, N., Martin, J., Asuero, A.G., 2020, State of the Art of Anthocyanins: Antioxidant Activity, Sources, Bioavailability, and Therapeutic Effect in Human Health, *Antioxidants*, 9(5): 451.
- Tian, X., Liu, Y., Feng, X., Khaskheli, A.A., Xiang, Y., Huang, W., 2017, The Effects of Alcohol Fermentation on The Extraction of Antioxidant Compounds and Flavonoids of Pomelo Peel, *LWT - Food Science and Technology*, 89 : 763-769.
- Tocmo R , Pena-Fronteras J., Calumba K.F., Mendoza M., Johnson J.J., 2020, Valorization of Pomelo (*Citrus Grandis* Osbeck) Peel: A Review of Current Utilization, Phytochemistry, Bioactivities, and Mechanisms of Action, *Comprehensive Reviews in Food Science and Food Safety*, 19(4): 1-44.
- Toh, J., Khoo, H.E., Azrina, A., 2013, Comparison of Antioxidant Properties of Pomelo [*Citrus grandis* (L) Osbeck] Varieties, *International Food Research Journal*, 20(4) : 1661-1668.
- Utari, K.D.P., Unique, I.G.A.N.P., Aryani, N.W.G., Arisanti, C.I.S., Samirana, P.O., 2019, Optimasi Formula Krim Ekstrak Rimpang Kunyit (*Curcuma domestica*) dengan Variasi Konsentrasi Setil Alkohol sebagai Agen Pengental, *Jurnal Farmasi Udayana*, 7(2): 40-44.
- Vijaylakshmi, P., dan Radha, R., 2015, An Overview: *Citrus maxima*, *The Journal of Phytopharmacology*, 4(5): 263–267.
- Vuolo, M.M., Lima, V.S., Junior, M.R.M., 2019, Phenolic Compounds: Structure, Classification, and Antioxidant Power, *Bioactive Compounds*, 2 : 33-50.
- Wahyono, P., Soetjipto, Harjanto, Suhariningsih, 2011, Efek Jus Buah Tomat (*Lycopersicum pyriforme*) Terhadap Pencegahan Fotoaging Kulit Akibat Iradiasi Sinar Ultraviolet-B, *J BinaPraja*, 3(13): 169-77.
- Wana dan Pagarra, 2019, Efektivitas Ekstrak Pektin dari Kulit Buah Jeruk Bali (*Citrus maxima*) Sebagai Antimikroba, *Bionature*, 19(2): 140-151.

- Wang, J., Hu, S., Nie, S., Yu, Q., dan Xie, M., 2015, Reviews on Mechanisms of *In Vitro* Antioxidant Activity of Polysaccharides, *Oxidative Medicine and Cellular Longevity*, 5692852: 1-13.
- Wang, W., Xie, Lu, Zou, X., Hu, W., Tian, X., Zhao, G., Chen, M., 2021, Pomelo Peel Oil Suppresses TNF- α -Induced Necroptosis and Cerebral Ischaemia-Reperfusion Injury In A Rat Model of Cardiac Arrest, *Pharmaceutical Biology*, 59(1): 401-409.
- Wenas, D.W., Ramadania, F., Herdini, 2020, Aktivitas Antifungi Ekstrak Daun dan Kulit Jeruk Pamelor (*Citrus maxima* (Burm.) Merr.) terhadap *Trichophyton mentagrophytes*, 2(1): 1-9.
- Widiastuti, 2015, Ekstraksi Pektin Kulit Jeruk Bali dengan *Microwave Assisted Extraction* dan Aplikasinya sebagai *Edible Film*, *Tugas Akhir*, Universitas Negeri Semarang.
- Wijayanti, T., dan Narimo, 2020, Aktivitas Teh Kulit Buah Jeruk Bali (*Citrus Maxima* Merr) Sebagai Penurun Kadar Kolesterol Total Untuk Pencegahan Preeklampsia Selama Kehamilan, *Dinamika Kesehatan: Jurnal Kebidanan dan Keperawatan*, 11(1): 353-361.
- Xi, W., Fang, B., Zhao, Q., Jiao, B., Zhou, Z., 2014, Flavonoid Composition and Antioxidant Activities of Chinese Local Pummelo (*Citrus grandis* Osbeck.) Varieties, *Food Chemistry*, 161: 230-238.
- Yu, J., Ji, H., Liu, A., 2018, Preliminary Structural Characteristics of Polysaccharides from Pomelo Peels and Their Antitumor Mechanism on S180 Tumor-Bearing Mice, *Polymers*, 10(4): 419.
- Yusneli, Asra, R., dan Aina, M., 2018, Formulation of Sunscreen Cream from Tengawang Oil (*Shorea sumatrana*), *International Conference on Pharmaceutical Research and Practice*, 5(9) : 196-200.
- Zarina Z., dan Tan S.Y., 2013, Determination of Flavonoids in *Citrus grandis* (Pomelo) Peels and Their Inhibition Activity on Lipid Peroxidation in Fish Tissue, *International Food Research Journal*, 20(1): 313-317.
- Zhong, Y., dan Shahidi, F., 2015, Methods for the Assessment of Antioxidant Activity in Foods, *Handbook of Antioxidants for Food Preservation*, 12: 288-333.
- Zulbayu, L.O.M.A., 2017, Uji Aktivitas Antiaging dan Antibakteri Ekstrak Etanol dan Etil Asetat Kulit Buah Jeruk Bali (*Citrus maxima* L.) secara *In Vitro*, *Tesis*, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Zulkarnain, A.K., Machaban, Wahyuono, Susidarti, R.A., 2015, Sun Protector Factor (SPF) *In Vitro* and The Physical Stability of O/W Cream Optimal Formula from The Partition Product of Mahkota Dewa Leaves [*Phaleria macrocarpa* (Scheff) Boerl], *Indonesian Journal of Pharmacy*, 26(4) : 210-218.