

REFERENCES

- Ahangarpour, A., Sayahi, M. and Sayahi, M., 2019, *The antidiabetic and antioxidant properties of some phenolic phytochemicals: A review study*, Diabetes & Metabolic Syndrome: Clinical Research & Reviews, 13(1), 854-857.
- Akan, S., 2021, Phytochemicals in avocado peel and their potential uses, *Food and Health*, 7(2), 138-149.
- Aminah, Tomayahu, N. and Abidin, A., 2017, Penetapan Kadar Flavonoid Total Ekstrak Etanol Kulit Buah Alpukat (*Persea Americana* Mill.) Dengan Metode Spektrofotometri UV-VIS, *JFFI*, 4(2), 1.
- Anova, I.T. and Kamsina., 2013, Efek Perbedaan Jenis Alpukat dan Gula terhadap Mutu Selai Buah, *JLI*, 3(2), 91-99.
- Antasianasti, I., Riyanto, S. and Rohman, A., 2017, Antioxidant activities and phenolics contents of avocado (*Persea americana* Mill.) peel in vitro, *Res. J. Med. Plants*, 11(2), 55-61.
- Ashari, S., 2004, *Biologi Reproduksi Tanaman Buah-Buahan Komersial*, Bayumedia Publishing, Malang.
- Aziz, M. A., Diab, A. S. and Mohammed, A. A., 2019, 'Antioxidant Categories and Mode of Action', in E. Shalaby (ed.), Antioxidants, IntechOpen, London.
- Azizah, D. N. and Faramayuda, F., 2014, Penetapan Kadar Flavonoid Metode $AlCl_3$ Pada Ekstrak Metanol Kulit Buah Kakao (*Theobroma Cacao* L.), *KJIF*, 2(2), 45-49.
- Azmir, J., Zaidul, I. S. M., Rahman, M. M., Kharif, K. M., Mohamed, A., Sahena, F., Jahurul, M. H. A., Ghafoor, K., Norulaini, N. A. N. and Omar, A. K. M., 2013, Techniques for extraction of bioactive compounds from plant materials: A review, *J. Food. Eng*, 11(4), 426-436.
- Bakry, A. M., Abbas, S., Ali, B., Majeed, H., Abouelwafa, M. Y., Mousa, A. and Liang, L., 2016, Microencapsulation of Oils: A Comprehensive Review of Benefits, Techniques, and Applications, *Comp. Rev. Food Sci. Food Saf.*, 15(1), 143-182.

- Bogadenta, A., 2012, *Antisipasi Gejala Penuaan Dini dengan Kesakitan Ramuan Herbal*, Buku Biru, Jogjakarta.
- Cowan, A. K. and Wolstenholme, B. N., 2016, *Avocado*, Encyclopedia of Food and Health, 294–300.
- Douhan, G. W., Fuller, E., McKee, B., and Pond, E., 2011, Genetic diversity analysis of avocado (*Persea americana* Miller) rootstocks selected under greenhouse conditions for tolerance to phytophthora root rot caused by *Phytophthora cinnamomi*, *Euphytica*, 182(2), 209–217.
- Fauzi, A.R., and Nurmalina, R., 2012, *Merawat Kulit dan Wajah*, PT Elex Media Komputind, Jakarta.
- Figueroa, J.G., Borrás-Linares, I., Lozano-Sánchez, J. and Segura-Carretero, A., 2018, Comprehensive identification of bioactive compounds of avocado peel by liquid chromatography coupled to ultra-high-definition accurate-mass Q-TOF, *Food Chem.*, 245, 707-716.
- Garcia, E. J., Oldone, T. L. C., Alencar, S. M., Reis, A., D. Loguercio, A. and Grande, R. H. M., 2012, Antioxidant Activity by DPPH Assay of Potential Solutions to be Applied on Bleached Teeth, *Braz. Dent. J.*, 23(1), 22-27.
- Gladyshev, V. N., 2014, The Free Radical Theory of Aging is dead. Long Live the Damage Theory, *ARS*, 20(4), 727-31.
- Handa, S. S., Khanuja, S. P. S., Longo, G. and Rakesh, D. D., 2008, *Extraction technologies for medicinal and aromatic plants*, Trieste: Earth, Environmental and Marine Sciences and Technologies, Italy.
- Haryanto, S., 2012, *Ensiklopedi Tanaman Obat Indonesia*, Palmall, Yogyakarta.
- Hendra, P., Liong, P., Putri, B.W.R., Fransiskus, A.S., Andriani, F. and Putriati, A., 2016, Efek Proteksi Dekokta Kulit Alpukat pada Hepar Tikus Terinduksi Karbon Tetraklorida, *JFSK*, 13(02), 61-62.
- Herzegovina, I. and Triyanto, 2020, *Ragam Olahan Buah Alpukat yang Sehat dan Kaya Manfaat*, Elex Media Komputindo, Jakarta.
- Indriani, H. and Sumiarsih, E., 1992, *Alpukat*, Penebar Swadaya, Jakarta, Page 1-7,13,14.

- Irianti, T. T., Kuswandi, Nuranto, A. and Purwanto., 2021, *Antioksidan dan Kesehatan*, UGM PRESS, Yogyakarta.
- Isromarina, R., Rusli, D. and Sari, D. U., 2022, Antioxidant activity, total flavonoid, and total tannin content of ethanol extract of avocado peel (*Persea americana* Mill.), *Sci. J. Pharm.*, 169-174.
- Kedare, S. B. and Singh, R. P., 2011, Genesis and development of DPPH method of antioxidant assay, *J Food Sci Technol*, 48(4), 412–422.
- Khan, M. W. A., Banga, K. and Khan, W. A., 2012, Gluco-Oxidation of Proteins in the Etiology of Diabetic Retinopathy, *InTech*, 31-52.
- Kristanti, A. N., Aminah, N. S., Tanjung, M. and Kurniadi, B., 2008, *Buku Ajar Fitokimia*, Unair Press, Surabaya.
- Kuswara, B. and Marta, N., 2016, Response of Some Type of Media on the Growth of Seedlings of Avocado (*Persea americana* Miller.), *Jur. Agroekotek*, 8(1), 22-26.
- Lamina, S., Ezema, C. and Theresa, A., 2013, Anthonia E. Effects of free radicals and antioxidants on exercise performance, *Oxidants and Antioxidants in Medical Science*, 2(2), 83-91.
- Lin, D., Xiao, M., Zhao, J., Li, Z., Xing, B., Li, X., Kong, M., Li, L., Zhang, Q., Liu, Y., Chen, H., Qin, W., Wu, H. and Chen, S., 2016, An overview of plant phenolic compounds and their importance in human nutrition and management of type 2 diabetes, *Molecules*, 21(10), 1374.
- Lister, N. E., Amiruddin, H. L., Fachrial, E. and Girsang, E., 2021, Anti-Aging Effectiveness of Avocado Peel Extract Ointment (*Persea americana* Mill.) against Hydration, Collagen, and Elasticity Levels in Wistar Rat, *J. Pharm. Res. Int.*, 33(32B), 173-184.
- Lu, Q., Arteaga, J.R., Zhang, Q., Huerta, S., Go, V.L.W. and Heber, D., 2005, Inhibition of prostate cancer cell growth by an avocado extract: role of lipid-soluble bioactive substances, *J. Nutr. Biochem.*, 16(1), 23-30.
- Lumentut, N., Edy, H. J. and Rumondor, E. M., 2020, Formulasi dan Uji Stabilitas Fisik Sediaan Krim Ekstrak Etanol Kulit Buah Pisang Goroho (*Musa*

acuminata L.) Konsentrasi 12.5% Sebagai Tabir Surya, *JURNAL MIPA*, 9(2), 42-46.

Mailana, D., Nuryanti and Harwoko, 2016, Antioxidant Cream Formulation of Ethanolic Extract from Avocado, *Acta Pharmaciae Indonesia*, 4(2), 7-15.

Masaki, H., 2010, Role of Antioxidants in the Skin: Anti-aging Effects, *J. Dermatol. Sci.*, 17(1), 11-24.

Masih, N. G. and Singh, B. S., 2012, Phytochemical Screening of Some Plants Used in Herbal Based Cosmetic Preparations, *Chemistry of Phytopotentials: Health, Energy and Environmental Perspectives*, Springer, London, 111–112.

Morais, D.R., Rotta, E.M., Sargi, S.C., Schmidt, E.M., Bonafe, E.G., Eberlin, M.N., Sawaya, A.C.H.F. and Visentainer, J.V., 2015, Antioxidant activity, phenolics and UPLC-ESI(-)-MS of extracts from different tropical fruits parts and processed peels, *Food Res. Int.*, 77, 392-399.

Nabila, Y. A., Damayanti, D., Handayani, S. and Setyaningrum, T., 2021, The Effect of Lifestyle on Skin Aging, *BIKKK*, 33(2), 110–115.

Nailufa, Y. and Najih, Y. A., 2020, Formulasi Krim Epigallocatechin gallate Sebagai Anti-Aging, *J. Pharm. Sci.*, 5(2), 81-85.

Noormindhawati, L., 2013, *Jurus Ampuh Melawan Penuaan Dini*, Kompas Gramedia, Jakarta.

Pal, R. S., Pal, Y. and Pranay, W., 2017, In-House Preparation and Standardization of Herbal Face Pack, *Open Dermatol. J.*, 11, 72-80.

Phaniendra, A., Jestadi, D. B. and Periyasamy, L., 2014, Free Radicals: Properties, Sources, Targets, and Their Implication in Various Diseases, *Ind. J. Clin. Biochem*, 30(1), 11-26.

Rasul, M. G., 2018, Conventional Extraction Methods Use in Medicinal Plants, their Advantages and Disadvantages, *IJBAC*, 2(6), 10-14.

Robinson, T., 1995, *Kandungan Organik Tumbuhan Tinggi*, ITB Press, Bandung.

Rodríguez-Carpena, J.-G., Morcuende, D., Andrade, M.-J., Kylli, P. and Estévez, M., 2011, Avocado (*Persea americana* Mill.) Phenolics, In Vitro Antioxidant and Antimicrobial Activities, and Inhibition of Lipid and

- Protein Oxidation in Porcine Patties, *J. Agric. Food Chem.*, 59(10), 5625–5635.
- Rosero, J. C., Cruz, S., Osorio, C. and Hurtado, N., 2019, Analysis of Phenolic Composition of Byproducts (Seeds and Peels) of Avocado (*Persea americana* Mill.) Cultivated in Colombia, *Molecules*, 24(17), 3209.
- Saavedra, J., Córdova, A., Navarro, R., Díaz-Calderón, P., Fuentealba, C., Astudillo-Castro, C., Toledo, L., Enri-one, J. and Galvez, L., 2017. Industrial avocado waste: Functional compounds preservation by convective drying process, *J. Food Eng.*, 198, 81-90.
- Sagar, N.A., Pareek, S., Sharma, S., Yahia, E.M., & Lobo, M.G., 2018, Fruit and vegetable waste: bioactive compounds, their extraction, and possible utilization, *Compr. Rev. Food Sci. Food Saf.*, 17(3), 512-531.
- Saidi, N., Ginting, B., Murniana and Mustanir., 2018, *Analisis Metabolit Sekunder*, Syiah Kuala University Press, Banda Aceh.
- Sayuti, K. and Yenrina, R., 2015, *Antioksidan Alami dan Sintetik*, Anad alas University Press, Padang.
- Shahidi, F. and Zhong, Y., 2010, Novel Antioxidants in Food Quality Preservation and Health Promotion, *Eur. J. Lipid Sci. Technol.*, 112, 930–940.
- Stanković, M. and Radovanović, D., 2012, Oxidative stress and physical activity. *Sportlogia*, 8(1), 1-11.
- Takshak, S. and Agrawal, S. B., 2019, Defense potential of secondary metabolites in medicinal plants under UV-B stress, *J. Photochem. Photobiol. B, Biol*, 193, 51-88.
- Tremocoldi, M. A., Rosalen, P. L., Franchin, M., Massarioli A. P., Denny, C., Daiuto E'R., et al., 2018, Exploration of avocado by-products as natural sources of bioactive compounds, *PLoS ONE*, 13(2), 1-12.
- Trujillo-Mayol, I., Céspedes-Acuña, C., Silva, F. L. and Alarcón-Enos, J., 2019, Improvement of the polyphenol extraction from avocado peel by assisted ultrasound and microwaves, *J. Food. Process. Eng.*, 1-11.
- Winarsi, H., 2007, *Antioksidan Alami dan Radikal Bebas*, Kanisius, Yogyakarta, 21-23.

- Velderrain-Rodríguez, G.R., Quero, J., Osada, J., Martín-Belloso, O. and Rodríguez-Yoldi, M.J., 2021, Phenolic-Rich Extracts from Avocado Fruit Residues as Functional Food Ingredients with Antioxidant and Antiproliferative Properties, *Biomolecules*, 11, 977.
- Verti, E. A., Mustikarini, E. D. and Lestari, A., 2021, Diversity of Avocado Germplasm (*Persea americana*) in Bangka Island Based on Morphological Character, *SNPPM*, 33-38.
- Wewengkang, D. S. and Rotinsulu, H., 2021, *Galenika*, Lakeisha, Klaten.
- Zulaikhah, S. T., 2017, The Role of Antioxidants to Prevent Free Radicals in The Body, *Sains Medika*, 8(1), 39-45.