

DAFTAR PUSTAKA

- Allen, L.V., Popovich, N.G., and Ansel, H.C., 2011, *Ansel's Pharmaceutical Dosage Form and Drug delivery System*, 9th edition, Lippincott Williams and Wilkins, Philadelphia.
- Almajano, María Pilar, Carbó, R., Jimenez, L., Angel, J., Gordon, M.H., Almajano, M Pilar, and Ló Pez Jiménez, J.A., 2018, Antioxidant and antimicrobial activities of tea infusions, *Elsevier*, **108**, 55-63.
- Anchal, S., Swarnima, P., Arpita, S., Aqil, S., and Nitish, P., 2021, Cream: A Topical Drug Delivery System (TDDS), *European Journal of Pharmaceutical and Medical Research*, **8**, 340-342.
- Aslam, I., Fleischer, A., and Feldman, S., 2015, Emerging drugs for the treatment of acne, *Expert Opin Emerg Drugs*, **20**, 91-101.
- Badan Standarisasi Nasional, 1995, SNI 01-03945-1995, *Teh Hijau*, Badan Standarisasi Nasional, Jakarta.
- Bedin, S., Netto, F.M., Bragagnolo, N., and Taranto, O.P., 2019, Reduction of the process time in the achieve of rice bran protein through ultrasound-assisted extraction and microwave-assisted extraction, *Separation Science and Technology*, **55**, 300-312.
- Bernadette, I., Wasiaatmaja, M.S., 2015, *Acne vulgaris*, Ilmu Penyakit Kulit dan Kelamin, edisi VII, FKUI, Jakarta.
- Braithwaite, A., and Smith, F., 1999, *Chromatographic Methods 5th Edition*, Kluwer Academic Press, Dordrecht.
- Brüggemann, H., Henne, A., Hoster, F., Liesegang, H., Wiezer, A., Strittmatter, A., Hujer, S., Dürre, P., and Gottschalk, G., 2004, The complete genome sequence of *Propionibacterium acnes*, a commensal of human skin, *Science*, **305**, 671-673.
- Chadijah, S., Qaddafi, M., Kimia Fakultas Sains dan Teknologi Universitas Islam Negeri Alauddin Makassar, J., Pendidikan Fisika, J., and Tarbiyah dan Keguruan Universitas Islam Negeri Alauddin Makassar, F., 2021, Optimalisasi Suhu dan Waktu Penyeduhan Daun Teh Hijau (*Camellia sinensis* L.) P+3 terhadap Kandungan Antioksidan Kafein, Katekin dan Tanin, *Bencoolen Journal of Pharmacy*, **1**, 59-65.
- Chairunnisa, S., Wartini, N.M., and Suhendra, L., 2019, Pengaruh Suhu dan Waktu Maserasi terhadap Karakteristik Ekstrak Daun Bidara (*Ziziphus mauritiana* L.) sebagai Sumber Saponin, *Jurnal Rekayasa dan Manajemen Agroindustri*, **7**, 551.

- Claire, K.S. and Lake, E.P., 2018, Acne Basics: Pathophysiology, Assessment, and Standard Treatment Options, *Journal of the Dermatology Nurses' Association*, **10**, 11–14.
- CLSI, 2012, *Methods for Dilution Antimicrobial Susceptibility Tests for Bacteria That Grow Aerobically*, Approved Standard.
- CLSI, 2017, *Performance Standards for Antimicrobial Susceptibility Testing*, Edisi 27, Wayne: CLSI supplement M100-S20.
- Cos, P., Vlietinck, A.J., Vanden Berghe, D., and Maes, L., 2006, Anti-infective potential of natural products: How to develop a stronger in vitro “proof-of-concept,” *J Ethnopharmacol*, **106**, 290–302.
- Deka, H., Barman, T., Dutta, J., Devi, A., Tamuly, P., Kumar Paul, R., and Karak, T., 2021, Catechin and caffeine content of tea (*Camellia sinensis* L.) leaf significantly differ with seasonal variation: A study on popular cultivars in Northeast India, *Journal of Food Composition and Analysis*, **96**, 103684.
- Departemen Kesehatan RI, 2020, *Farmakope Indonesia*, VI, Departemen Kesehatan RI, Jakarta.
- Departemen Kesehatan RI, 2017, *Formularium Herbal Indonesia*, II, Departemen Kesehatan RI, Jakarta.
- Departemen Kesehatan RI, 1986, *Sediaan Galenik*, III, Departemen Kesehatan RI, Jakarta.
- Dewatisari, W.F., Rumiyantri, L., and Rakhmawati, I., 2018, Rendemen dan Skrining Fitokimia pada Ekstrak Daun Sansevieria sp., *Jurnal Penelitian Pertanian Terapan*, **17**, 197.
- Dey, S. and Rathod, V.K., 2013, Ultrasound assisted extraction of β -carotene from *Spirulina platensis*, *Ultrason Sonochem*, **20**, 271–276.
- Garg, A., Aggarwal, D., Garg, S., and Singla, A.K., 2002, Spreading of semisolid formulations: An update, *Pharmaceutical Technology North America*, **26**, 9, 84-105.
- Herb Federation of New Zealand, 2022, *Green Tea*, <https://herbs.org.nz/herbs/green-tea/>, diakses pada tanggal 10 Oktober 2022 pukul 20:00 WIB.
- Herwin H., Zulhisda P.S., and Siska N., 2018, Aktivitas Antibakteri Ekstrak Etanol Daun dan Ampas Teh Hijau (*Camellia Sinensis* L.) terhadap Bakteri Penyebab Jerawat (*Cutibacterium acnes* dan *Staphylococcus epidermidis*) secara Difusi Agar, *As-Syifaa*, **10**, 247–254.

- Iftikhar, U. and Choudhry, N., 2019, Serum levels of androgens in acne & their role in acne severity, *Pak J Med Sci*, **35**, 146.
- ICH Q1A (R2), 2003, Stability Testing Guidelines: Stability Testing of New Drug Substances and Products, *ICH Steering Committee*, **1**, 11-15.
- Integrated Taxonomic Information System (ITIS), 2022, ITIS - Report: *Camellia sinensis* (L.) Kuntze, https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=530945&print_version=PRT&source=to_print#null, diakses pada tanggal 13 Oktober 2022 pukul 12:00 WIB.
- Kamaruzaman, N. and Yusop, S.M., 2021, Determination of stability of cosmetic formulations incorporated with water-soluble elastin isolated from poultry, *J King Saud Univ Sci*, **33**, 101519.
- Kanifah, U., Lutfi, M., Susilo, B., and Keteknikan, J., 2015, Karakterisasi Ekstrak Daun Sirih Merah (*Piper crocatum*) dengan Metode Ekstraksi Non-Thermal Berbantuan Ultrasonik (Kajian Perbandingan Jenis Pelarut dan Lama Ekstraksi), **1**.
- Karmilah, K. and Musdalipah, M., 2018, Formulasi Krim Antijerawat Ekstrak Ampas Teh Hijau (*Camellia sinensis* L.), *Jurnal Insan Farmasi Indonesia*, **1**, 1.
- Khan, N. and Mukhtar, H., 2019, Tea Polyphenols in Promotion of Human Health, *Nutrients*, **11**, 1, 39.
- Kim, S., Oh, S., Noh, H.B., Ji, S., Lee, S.H., Koo, J.M., Choi, C.W., and Jhun, H.P., 2018, In Vitro Antioxidant and Anti-Propionibacterium acnes Activities of Cold Water, Hot Water, and Methanol Extracts, and Their Respective Ethyl Acetate Fractions, from *Sanguisorba officinalis* L. Roots, *Molecules*, **23**, 11, 3001.
- Kim, S., Park, T.H., Kim, W.I., Park, S., Kim, J.H., and Cho, M.K., 2021, The effects of green tea on acne vulgaris: A systematic review and meta-analysis of randomized clinical trials, *Phytotherapy Research*, **35**, 374–383.
- Koch, W., Kukula-Koch, W., Komsta, Ł., Marzec, Z., Szwerc, W., and Główniak, K., 2018, Green Tea Quality Evaluation Based on Its Catechins and Metals Composition in Combination with Chemometric Analysis, *Molecules: A Journal of Synthetic Chemistry and Natural Product Chemistry*, **23**, 7, 1689.
- Leber, A. L., 2016, *Clinical Microbiology Procedures Handbook*, Edisi 4, American Society for Microbiology Press, Washington DC.

- Mahmood, T., Akhtar, N., and Khan, B.A., 2010, The morphology, characteristics, and medicinal properties of *Camellia sinensis*' tea, *Journal of Medicinal Plants Research*, **4**, 2028–2033.
- Marjoni, R., 2016, *Dasar-Dasar Fitokimia Untuk Diploma III Farmasi*, Trans Info Media, Jakarta.
- Mayasari, D., Murti, Y.B., Pratiwi, S.U.T., Sudarsono, S., Hanna, G., and Hamann, M.T., 2022, TLC-Based Fingerprinting Analysis of the Geographical Variation of *Melastoma malabathricum* in Inland and Archipelago Regions: A Rapid and Easy-to-Use Tool for Field Metabolomics Studies, *J Nat Prod*, **85**, 292–300.
- Martins, I.M., Cortés, J.C.G., Muñoz, J., Moreno, M.B., Ramos, M., Clemente-Ramos, J.A., Durán, A., and Ribas, J.C., 2011, Differential activities of three families of specific beta (1,3) glucan synthase inhibitors in wild-type and resistant strains of fission yeast, *J Biol Chem*, **286**, 3484–3496.
- McDowell, A. and Nagy, I., 2014, Propionibacteria and Disease, *Molecular Medical Microbiology*, **46**, 837–858.
- McLaughlin, J., Watterson, S., Layton, A.M., Bjourson, A.J., Barnard, E., and McDowell, A., 2019, *Cutibacterium acnes* and Acne Vulgaris: New Insights from the Integration of Population Genetic, Multi-Omic, Biochemical and Host-Microbe Studies, *Microorganisms*, **7**, 128.
- Musial, C., Kuban-Jankowska, A., and Gorska-Ponikowska, M., 2020, Beneficial Properties of Green Tea Catechins, *Int J Mol Sci*, **21**, 1744.
- National Center for Biotechnology Information (NCBI), 2023, *Cutibacterium acnes*, <https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?mode=info&id=1747>, diakses pada tanggal 11 Oktober 2022 pukul 22:00 WIB.
- Nofita, D., Nofita Sari, S., Mardiah Akademi Farmasi Dwi Farma, H., Padat Karya, J., Guguk Bulek, C., and Barat, S., 2020, Penentuan Fenolik Total dan Flavonoid Ekstrak Etanol Kulit Batang Matoa (*Pometia pinnata* J. R & G.Forst) secara Spektrofotometri, *Chimica et Natura Acta*, **8**, 36–41.
- Özçelik, S., Kulaç, İ., Yazıcı, M., and Öcal, E., 2018, Distribution of childhood skin diseases according to age and gender, a single institution experience, *Turkish Archives of Pediatrics/Türk Pediatri Arşivi*, **53**, 105.
- Peluso, I. and Serafini, M., 2017, Antioxidants from black and green tea: from dietary modulation of oxidative stress to pharmacological mechanisms, *Br J Pharmacol*, **174**, 1195.

- Prasad, S.B., 2016, Acne Vulgaris: A Review on Pathophysiology and Treatment, *Asian Journal of Pharmaceutical and Clinical Research*, **9**, 54–59.
- Rai, P., Poudyl, A.P., and Das, S., 2019, Pharmaceutical Creams and their use in wound healing: A Review, *Journal of Drug Delivery and Therapeutics*, **9**, 907–912.
- Rohman, A., 2014, *Statistika dan Kemometrika Dasar dalam Analisis Farmasi*, Pustaka Pelajar, Yogyakarta.
- Roskiana Ahmad, A., Afrianty Daniya Ratulangi, S., and Malik, A., 2015, Penetapan Kadar Fenolik dan Flavonoid Total Ekstrak Metanol Buah dan Daun Patikala (*Etlintera elatior* (Jack) R.M.SM), *Pharmaceutical Sciences and Research*, **2**, 1, 1.
- Ruiz, C., Falcocchio, S., Xoxi, E., Villo, L., Nicolosi, G., Pastor, F.I.J., Diaz, P., and Saso, L., 2006, Inhibition of Candida rugosa lipase by saponins, flavonoids and alkaloids, *J Mol Catal B Enzym*, **40**, 138–143.
- Safitri, M., Zaky, M., and Erawati, E., 2016, Pengembangan Formulasi Dan Evaluasi Fisik Sediaan Krim Ekstrak Etanol 70% Daun Labu Siam (*Sechium edule* (Jacq.) Swatz). Formulation Development and Evaluation of Physical Preparation Cream Ethanolic Extract 70% Of Labu Siam Leaves (*Sechium edule* (Jacq.) Swartz), *Ery Eawati*, **3**, 7.
- Saryanti, D., Setiawan, I., and Safitri, R.A., 2019, Optimasi Asam Stearat Dan Tea Pada Formula Sediaan Krim Ekstrak Kulit Pisang Kepok (*Musa paradisiaca* L.), *Jurnal Riset Kefarmasian Indonesia*, **1**, 225–237.
- Singleton, V.L., Orthofer, R., and Lamuela-Raventós, R.M., 1999, Analysis of total phenols and other oxidation substrates and antioxidants by means of folin-ciocalteu reagent, *Methods Enzymol*, **299**, 152–178.
- Somantri, A., and Sambas Ali Muhidin, 2006, *Statistika Dalam Penelitian*, Bandung.
- Sujati, H.W., 2021, Freeze Drying Technology: for better quality & flavor of dried products, *Explore*, **11**, 29.
- Sumarno, T., Kunarto, B., and Sani, E.Y., 2021, The Influence of Duration Brewing Black Tea (*Camellia sinensis* L.) Assisted Ultrasonic Waves on Antioxidant Activity, *Jurnal Mahasiswa*, **1**.
- Sutaria, A.H., Masood, S., and Schlessinger, J., 2022, *Acne Vulgaris*, StatPearls, Florida.

- Rios, M. de los A., Aguirre, L., and Rios, C., 2018, Effectiveness of *Camellia sinensis* (L.) Kuntze for treatment of Acne vulgaris stages 0, I and II, *International Journal of Phytocosmetics and Natural Ingredients*, **5**, 10–10.
- Tellu, F.Y. (Florenchia), Sunarto, S. (Sunarto), and Utami, E.D. (Esti), 2019, Aktivitas Antibakteri Ekstrak Etil Asetat Kulit Buah Manggis (*Garcinia Mangostana* L.) terhadap *Propionibacterium Acnes*, *Acta Pharmaciae Indonesia*, **7**, 58–67.
- Tetti, M., 2014, Ekstraksi, Pemisahan Senyawa, dan Identifikasi Senyawa Aktif, *Jurnal Kesehatan*, **7**, 2.
- Voight, R., 1994, *Buku Pengantar Teknologi Farmasi*, Edisi V, Universitas Gadjah Mada Press, Yogyakarta.
- Vuong, Q. V., Golding, J.B., Stathopoulos, C.E., Nguyen, M.H., and Roach, P.D., 2011, Optimizing conditions for the extraction of catechins from green tea using hot water, *J Sep Sci*, **34**, 3099–3106.
- Well, D., 2013, Acne vulgaris: A review of causes and treatment options, *Nurse Pract*, **38**, 22–31.
- Wasitaatmadja, M.S., 1997, *Penuntun Ilmu Kosmetik Medik*, Universitas Indonesia Press, Jakarta.
- Widyaningrum, N., Badie'ah, B., and Lestari, S., 2017, Antibacterial activity of the dregs of green tea leaves (*Camellia sinensis* L.) on *Staphylococcus epidermidis* as causes of acne, *Journal of Science and Science Education*, **1**, 1–5.
- Yoon, J.Y., Kwon, H.H., Min, S.U., Thiboutot, D.M., and Suh, D.H., 2013, Epigallocatechin-3-Gallate Improves Acne in Humans by Modulating Intracellular Molecular Targets and Inhibiting *C.acnes*, *Journal of Investigative Dermatology*, **133**, 429–440.
- Yoshino, S., Mitoma, T., Tsuruta, K., Todo, H., and Sugibayashi, K., 2014, Effect of emulsification on the skin permeation and UV protection of catechin, *Pharm Dev Technol*, **19**, 395–400.
- Yumas, M., 2016, Formulasi Sediaan Krim Wajah Berbahan Aktif Ekstra Metanol Biji Kakao Non Fermentasi (*Theobroma Cacao* L) Kombinasi Madu Lebah, *Jurnal Industri Hasil Perkebunan*, **11**, 75–87.
- Yusuf, A.L., Nurawaliah, E., and Harun, N., 2018, Uji efektivitas gel ekstrak etanol daun kelor (*Moringa oleifera* L.) sebagai antijamur *Malassezia furfur*, *Kartika: Jurnal Ilmiah Farmasi*, **5**, 62.