

DAFTAR PUSTAKA

- 'Kurniasari, A., 'Anwar, E., & Djajadisastra, J. (2018). Potensi Ekstrak Biji Coklat (*Theobroma cacao* Linn) sebagai inhibitor Tirosinase untuk Produk Pencerah kulit. *Jurnal Kefarmasian Indonesia*, 8(1), 35–35.
- Alfanaar, R., Senyawa, S., Astaxanthin, K., Bantuan, D., & Ultrasonik, G. (2019). *Bantuan Gelombang Ultrasonik*. 41(2), 88–94.
- Annisah, R. dkk. (2018). Uji Efektivitas Ekstrak Kencur (*Kaempferia galanga* L.) Terhadap Pertumbuhan *Candida Albicans* Secara In Vitro. *Ibnu Sina Biomedika*, 2(2), 1–8. <http://journals.sagepub.com/doi/10.1177/1120700020921110%0Ahttps://doi.org/10.1016/j.reuma.2018.06.001%0Ahttps://doi.org/10.1016/j.arth.2018.03.044%0Ahttps://reader.elsevier.com/reader/sd/pii/S1063458420300078?token=C039B8B13922A2079230DC9AF11A333E295FCD8>
- Arini, D., Ulum, M. S., & Kasman, K. (2017). Pembuatan dan Pengujian Sifat Mekanik Plastik Biodegradable Berbasis Tepung Biji Durian. *Natural Science: Journal of Science and Technology*, 6(3), 276–283. <https://doi.org/10.22487/25411969.2017.v6.i3.9202>
- Astuti, K. W., Wijayanti, N. P. A. D., Lestari, A. A. D., Artha, I. G. A. P. Y., Pradnyani, I. A. G., & Ratnayanti, I. G. A. D. (2018). Uji Pendahuluan Nilai Kelembaban Kulit Manusia Pada Pemakaian Sediaan Masker Gel Peel Off Kulit Buah Manggis. *Jurnal Kimia*, 50. <https://doi.org/10.24843/jchem.2018.v12.i01.p09>
- Chiewprasit, P., & Koonngam, P. (2022). *Comparative effectiveness of oral astaxanthin given daily vs . every other day on skin elasticity : randomized , double - blind cohort*. June.
- Cornejo-Ramírez, Y. I., Martínez-Cruz, O., Del Toro-Sánchez, C. L., Wong-Corral, F. J., Borboa-Flores, J., & Cinco-Moroyoqui, F. J. (2018). The structural characteristics of starches and their functional properties. *CYTA - Journal of Food*, 16(1), 1003–1017. <https://doi.org/10.1080/19476337.2018.1518343>
- Darma, Y., Ningrum, A., & Putri, C. N. (2023). (*Tamarindus indica* L .) *Evaluation, STability Test, Irritation Test, and Activity Test of Java Tamarind Leaf Extract (Tamarindus indica* L .). 8(1), 185–192.
- Davinelli, S., Nielsen, M. E., & Scapagnini, G. (2018). Astaxanthin in skin health, repair, and disease: A comprehensive review. *Nutrients*, 10(4), 1–12. <https://doi.org/10.3390/nu10040522>
- Erriska Rahma Putri, Riskiono Slamet, E. (2019). *Ekstraksi Astasantin dari Tepung Kulit Udang dengan Metode Maserasi untuk Uji Aktivitas Antioksidan*. 08, 37–47.
- Farida Aryani, Noorcahyati, A. (2020). *Pengenalan Atsiri (Melaleuca cajuputi) Cara Poduksi dan Pengujian*.

- Fia Siti Nopalia, Ratih Aryani, & Fitrianti Darusman. (2022). Kajian Pustaka Formulasi Sediaan Edible Film sebagai Antihalitosis Berbahan Aktif Herbal. *Bandung Conference Series: Pharmacy*, 2(2). <https://doi.org/10.29313/bcsp.v2i2.4573>
- Gery Umami, Gita Cahya Eka Darma, & Mentari Luthfika Dewi. (2022). Formulasi Basis Masker Mata Hidrogel sebagai Metode Penghantaran Sediaan Antioksidan. *Bandung Conference Series: Pharmacy*, 2(2), 291–297. <https://doi.org/10.29313/bcsp.v2i2.4139>
- Giannaccare, G., Pellegrini, M., Senni, C., Bernabei, F., Scorcia, V., & Cicero, A. F. G. (2020). Clinical applications of astaxanthin in the treatment of ocular diseases: Emerging insights. *Marine Drugs*, 18(5), 1–13. <https://doi.org/10.3390/md18050239>
- Handayani, R., & Nurzanah, H. (2018). Karakteristik Edible Film Pati Talas Dengan Penambahan Antimikroba Dari Minyak Atsiri Lengkuas. *Jurnal Kompetensi Teknik*, 10(1), 1–11.
- Hardianti, K. (2021). *Formulasi Dan Evaluasi Sediaan Krim Mata Zeaxanthin Sebagai Antioksidan Alami*. 1–2.
- Kalangi, S. J. R. (n.d.). *Histofisiologi kulit*. 12–20.
- Kumar Patchaiyappan, A. (2014). *Isolation, application and biochemical characterization of colour component from Tecoma stans: A new cost effective and eco-friendly source of natural dye Screening indigenous natural coagulants for water treatment View project*. November. <http://www.urpjournals.com>
- Lima, S. G. M., Freire, M. C. L. C., Oliveira, V. da S., Solisio, C., Converti, A., & de Lima, Á. A. N. (2021). Astaxanthin delivery systems for skin application: A review. *Marine Drugs*, 19(9), 1–17. <https://doi.org/10.3390/MD19090511>
- Lipp, M., & Weiss, E. (2019). Nonsurgical Treatments for Infraorbital Rejuvenation: A Review. *Dermatologic Surgery*, 45(5), 700–710. <https://doi.org/10.1097/DSS.0000000000001897>
- Lumentut, N., Edi, H. J., & 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. <https://doi.org/10.35799/jmuo.9.2.2020.28248>
- Mask, H. E., & Care, S. (2022). *Cosmetic Hydrogel Under Eye Patch : Review*. 7(8), 1621–1636.
- Masum, M. N., Yamauchi, K., & Mitsunaga, T. (2019). *Tyrosinase Inhibitors from Natural and Synthetic Sources as Skin-lightening Agents*. 41–58.
- Mawalia, Reveny, J., & Harahap, U. (2022). Utilization of Water Extract of Yellow Potato (*Solanum Tuberosum* L.) in Hydrogel Eye Mask As Anti-Aging Formulation. *ScienceRise: Pharmaceutical Science*, 2022(4), 80–88. <https://doi.org/10.15587/2519-4852.2022.261641>

- Meivi Mar'atus Sholehah, Widodo Farid Ma'ruf, R. (2016). KARAKTERISTIK DAN AKTIVITAS ANTIBAKTERI EDIBLE FILM DARI REFINED CARAGEENAN DENGAN PENAMBAHAN MINYAK ATSIRI LENGKUAS MERAH (*Alpinia purpurata*). *J. Peng. Dan Biotek Hasil Pi*, 5(4), 1–10.
- Moore, K. L., Dalley, A. F., & Agur, A. M. R. (2010). *Clinically Oriented Anatomy* (sixth edit).
- Mrowicka, M., Mrowicki, J., Kucharska, E., & Majsterek, I. (2022). Lutein and Zeaxanthin and Their Roles in Age-Related Macular Degeneration—Neurodegenerative Disease. *Nutrients*, 14(4). <https://doi.org/10.3390/nu14040827>
- Murillo, A. G., Hu, S., & Fernandez, M. L. (2019). Zeaxanthin: Metabolism, properties, and antioxidant protection of eyes, heart, liver, and skin. *Antioxidants*, 8(9), 1–18. <https://doi.org/10.3390/antiox8090390>
- Muzdalifah, Fikri Hidayat, A., & Aryani, R. (2021). Studi Literatur Pembuatan dan Karakterisasi Nanoemulsi yang Mengandung Minyak Atsiri dan Potensinya sebagai Antibakteri. *Jurnal Farmasi*, 2(1), 593–598.
- Ningrum, R. S., Sondari, D., Purnomo, D., Amanda, P., Burhani, D., & Rodhibilah, F. I. (2021). Karakterisasi Edible Film Dari Pati Sagu Alami Dan Termodifikasi. *Jurnal Kimia Dan Kemasan*, 43(2), 95. <https://doi.org/10.24817/jkk.v43i2.6963>
- Nurdianti, L., Aryani, R., & Indra, I. (2017). Formulasi dan Karakterisasi SNE (Self Nanoemulsion) Astaxanthin dari *Haematococcus pluvialis* sebagai Super Antioksidan Alami. *Jurnal Sains Farmasi & Klinis*, 4(1), 36. <https://doi.org/10.29208/jsfk.2017.4.1.168>
- Nurdianti, L., Sari, D. A., & Yulianti, R. (2018). Formulation and evaluation of astaxanthin lotions as natural antioxidants for the skin. *International Conference On Pharmaceutical Research And Practice, 2018*, 108–115.
- Okwani, Y., Hatidjah, N., Halid, A., Hasanuddin, S., Julian, D., Famasi, P. S., & Waluya, U. M. (2020). *Formulasi Hydrogel Eye Mask Berbasis Ekstrak Kepala Udang Putih (Litopenaeus vannamei) Sebagai Suplemen dan Relaksasi Mata Lelah*. 6(2).
- Owolabi, J. O., Fabiyi, O. S., Adelakin, L. A., & Ekwerike, M. C. (2020). Effects of skin lightening cream agents - hydroquinone and kojic acid, on the skin of adult female experimental rats. *Clinical, Cosmetic and Investigational Dermatology*, 13, 283–289. <https://doi.org/10.2147/CCID.S233185>
- Park, S. R., Kim, H. J., Park, H. K., Kim, J. Y., Kim, N. S., Byun, K. S., Moon, T. K., Byun, J. W., Moon, J. H., & Choi, G. S. (2016). Classification by causes of dark circles and appropriate evaluation method of dark circles. *Skin Research and Technology*, 22(3), 276–283. <https://doi.org/10.1111/srt.12258>
- Putriyana, R. S., Abdulah, I., Purwaningsih, I., & Silvia, L. (2018). Sintesis Natrium Alginat dari *Sargassum* sp. Dengan Proses Leaching. *9th Industrial Research*

Workshop and National Seminar, 9, 89–93.

- Quattrone, A., Czajka, A., & Sibilla, S. (2017). Thermosensitive hydrogel mask significantly improves skin moisture and skin tone; bilateral clinical trial. *Cosmetics, 4*(2). <https://doi.org/10.3390/cosmetics4020017>
- rahayuningdyah, D. wuragil, Lyrawati, D., & Widodo, F. (2020). Pengembangan Formula Hidrogel Balutan Luka Menggunakan Kombinasi Polimer Galaktomanan dan PVP. *Pharmaceutical Journal of Indonesia, 005*(02), 117–122. <https://doi.org/10.21776/ub.pji.2020.005.02.8>
- Sari, Y., Tjuparmah, Y., & Suhardini, D. (2016). Hubungan Koleksi dan Layanan Perpustakaan dengan Minat Kunjung Mahasiswa Fakultas Pendidikan Olahragra dan Kesehatan Universitas Pendidikan Indonesia. *Program Studi Perpustakaan Dan Informasi Departemen Kurikulum Dan Teknologi Pendidikan Fakultas Ilmu Pendidikan Universitas Pendidikan Indonesia, 3*(1), 74–86.
- Sawant, O., & Khan, T. (2020). Management of periorbital hyperpigmentation: An overview of nature-based agents and alternative approaches. *Dermatologic Therapy, 33*(4). <https://doi.org/10.1111/dth.13717>
- Singh, K. N., Patil, S., & Barkate, H. (2020). Protective effects of astaxanthin on skin: Recent scientific evidence, possible mechanisms, and potential indications. *Journal of Cosmetic Dermatology, 19*(1), 22–27. <https://doi.org/10.1111/jocd.13019>
- Vavouli, C., Katsambas, A., Gregoriou, S., Teodor, A., Salavastru, C., Alexandru, A., & Kontochristopoulos, G. (2013). Chemical peeling with trichloroacetic acid and lactic acid for infraorbital dark circles. *Journal of Cosmetic Dermatology, 12*(3), 204–209. <https://doi.org/10.1111/jocd.12044>
- Wiryanthini, I. A. D., & Sutadarma, I. W. G. (2015). Fungsi Antioksidan Astaxanthin pada Penuaan Kulit. *Bagian Biokimia Fakultas Kedokteran Universitas Udayana.*
- Xing, X., Dan, Y., Xu, Z., & Xiang, L. (2022). Implications of Oxidative Stress in the Pathogenesis and Treatment of Hyperpigmentation Disorders. *Oxidative Medicine and Cellular Longevity, 2022*. <https://doi.org/10.1155/2022/7881717>
- Yousefa, V., Nurdianti, L., & Nurviana, V. (2022). *Prosiding Seminar Nasional Diseminasi Hasil Penelitian Program Studi S1 Farmasi Formulasi Patch Hidrogel Film Ekstrak Etanol Daun Saga (Abrus precatorius Linn.) sebagai Antisariawan terhadap Bakteri Staphylococcus aureus. 2, 134–143.*
- Yuslianti, E. R. (2018a). *Pengantar Radikal Bebas dan Antioksidan* (H. Rahmadhani & C. M. Sartono (eds.); pertama). Deepublish.
- Yuslianti, E. R. (2018b). *Pengantar Radikal Bebas Dan Antioksidan* (1st ed.). Deepublish.