

DAFTAR PUSTAKA

- Abdassah, M. et al., 2015, *In-vitro assessment of effectiveness and photostability avobenzone in cream formulations by combination ethyl ascorbic acid and alpha tocopherol acetate*, Journal of Applied Pharmaceutical Science, 5(6), pp. 070–074, doi: 10.7324/JAPS.2015.50611
- Ajazuddin, Alexander, A., Khichariya, A., Gupta, S., Patel, R. J., Giri, T. K., & Tripathi, D. K., 2013, *Recent expansions in an emergent novel drug delivery technology: Emulgel*, Journal of Controlled Release, 171(2), 122–132. <https://doi.org/https://doi.org/10.1016/j.jconrel.2013.06.030>
- Bosch, R., Philips, N., Suarez-Perez, J., Juarranz, A., Devmurari, A., Chalensouk-Khaosaat, J., & Gonzalez, S., 2015, *Mechanism of Photoaging and Cutaneous Photocarcinogenesis and Photoprotective Strategies with Photochemicals*. Antioxidants, 4, 248- 268.
- Depkes RI., 2014, *Farmakope Indonesia*, Edisi III. Departemen Kesehatan RI, Jakarta.
- Handayani, ., Mita, Nur, dan Ibrahim Arsyik, 2015, *Formulasi Dan Optimasi Basis Emulgel Carbopol 940 Dan Trietanolamin Dengan Berbagai Variasi Konsentrasi*, Prosiding Seminar Nasional Kefarmasian Ke-1: 5–6.
- Haneefa, K. P., Easo, S., Hafsa, P., Mohanta, G., & Nayar, C., 2013, *Emulgel: An advanced review*, Journal of Pharmaceutical Sciences and Research, 5, 254–258.
- Hawilla, A., Zulkarnain, A. K., & Lukitaningsih, E., 2023, *Stabilitas dan Sifat Fisik Sediaan Mikroemulgel Resveratrol Sebagai Tabir Surya dan Antiaging Secara In Vitro*. Majalah Farmaseutik Vol. 19No. 2 :155-163
- Juanita, RR. A., & Juliadi, D., 2020, *Penetapan Potensi Tabir Surya Krim Ekstrak Etanol Daun Ceremai (Phyllanthus Acidus L.) Dengan Spektrofotometri Uv-Vis*, Jurnal Farmagazine, 7(1), 51, <https://doi.org/10.47653/farm.v7i1.154>
- Lin, Q., Xu Xu, R. H. J., Yang, N., Karim, A. A., Loh, X. J. & Zhang, K., 2019, *UV Protection and Antioxidant Activity of Nanodiamonds and Fullerenes for Sunscreen Formulations*. ACS Applied Nano Materials; 2; 7604–7616.

- Liu, T., Zhang, L., Joo, D., & Sun, S., 2018, *NF- κ B signaling in inflammation. Signal Transduction and Targeted Therapy*, 2(1), 17023.
<https://doi.org/10.1038/sigtrans.2017.23>
- 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), 42-46.
- Mohite, S. V., Salunkhe, A. K. & Sudke, S. G, 2019, *Emulgel: A Novel Approach for Hydrophobic Drugs*. American Journal of PharmTech Research; 7; 43-60
- Nurahmanto D., M. I., 2017, *Formulasi Sediaan Gel Dispersi Padat Ibuprofen. Studi Gelling Agent Senyawa Pengikat*, Ilmiah Manuntung, 3 (1), 96-105.
- Ozturk, B., & McClements, D. J., 2015, Progress in Natural Emulsifiers for Utilization in Food Emulsions. *Current Opinion in Food Science*, 7, 1–6.
<https://doi.org/10.1016/j.cofs.2015.07.008>
- Prasad, S., Gupta, S.C., Tyagi, A.K. & Aggarwal, B.B., 2014, *Curcumin, a Component of Golden Spice: From Bedside to Bench and Back*, *Biotechnology Advances*, 32(6), 1053–1064.
- Pratama, A., & Zulkarnain, K., 2015, *Uji Spf In Vitro dan Sifat Fisik Beberapa Produk Tabir Surya yang Beredar Di Pasaran*, Fakultas Farmasi Ugm Yogyakarta, Vol. 11, Issue 1.
- Riski, R., Halim Umar, A., 2016, *Formulasi Emulgel Antiinflamasi dari Ekstrak Temulawak (Curcuma xanthorrhiza Roxb)*. In *Journal of Pharmaceutical and Medicinal Sciences* (Vol. 1, Issue 2).
- Ritmaleni, Susilo Putri, D., Wulandari, T., Zulkarnain, A., & Murrukmihadi, M., 2021, *The effect of variation of tetrahydropentagamavunon-0 concentration in lotion and emulgel formula toward acute dermal irritation study*. *Journal of Advanced Pharmaceutical Technology and Research*, 12(2), 127–131.
https://doi.org/10.4103/japtr.JAPTR_270_20
- Rowe, R. S., 2017, *Handbook of Pharmaceutical Excipients*. New York: Pharmaceutical Press

- Sari, D. I., Rahmawanty, D., Apriana, D., & Amelia, R., 2016, *Aktivitas Antioksidan Sediaan Gel Mengandung Ekstrak Etanol Dan Fraksi Etil Asetat Daun Aquilaria Microcarpa* *Antioxidant Activity Of Gel Consisting Ethanolic Extract And Ethyl Acetate Fraction Of Aquilaria Microcarpa Leaves*, Prosiding Seminar Nasional Lingkungan Lahan Basah, 3.
- Sari, N., Samsul, E., & Narsa, A. C., 2021, *Pengaruh trietanolamin pada basis Krim Minyak Dalam Air Yang Berbahan dasar asam stearat Dan Setil alkohol*. *Proceeding of Mulawarman Pharmaceuticals Conferences, 14*, 70–75. <https://doi.org/10.25026/mpc.v14i1.573>
- Sari, S. P., 2023, *Evaluasi Stabilitas Fisik Sediaan Ekstrak Daun Binahong (Anredera Cordifolia (Ten.) Steenis) Dengan Gelling Agent Hydroxypropyl Methylcellulose Dan Hydroxyethyl Cellulose*. Fakultas Farmasi, Yogyakarta, Indonesia.
- Satria, E. H., Ritmaleni, & Rumiayati, 2023, *Proteksi Senyawa Analog Kurkumin, Pentagamavunon-5*. <http://etd.repository.ugm.ac.id/>
- Sharma, V., Nayak, S. K., Paul, S. R., Choudhary, B., Ray, S. S., & Pal, K., 2018, *Emulgels. Polymeric Gels*, 252–264.
- Sreevidya, V. S., 2019, *An Overview on Emulgel. International Journal of Pharmaceutical and Phytopharmacological Research*; 9; 92-97
- Suciyani, S. A., Aryani, R., & Darma, G. C. E., 2020, *Studi Literatur Emulgel Sebagai Pembawa Agen Tabir Surya Alami Senyawa Golongan Flavonoid*. Prosiding Farmasi, 6.
- Utami, N. L., Rupiasih, N. N., & Supardi, I. W., 2017, *Pengaruh Perlakuan Mikrogravitasi Pada Biji cabai rawit terhadap laju pertumbuhan tanaman Cabai Rawit (capsicum frutescens L.)*. *BULETIN FISIKA*, 18(1), 1. <https://doi.org/10.24843/bf.2017.v18.i01.p01>
- Warsi, Sardjiman, dan Riyanto, S., 2018, *Synthesis and Antioxidant Activity of Curcumin Analogues*, *Journal of Chemical and Pharmaceutical Research*, 10, 1-9
- Widyastuti, W., Kusuma, A. E., Nurlaili, N., & Sukmawati, F., 2016, *Aktivitas Antioksidan Dan Tabir Surya Ekstrak etanol Daun stroberi (fragaria X Ananassa A.N. Duchesne)*. *Jurnal Sains Farmasi & Klinis*, 3(1), 19. <https://doi.org/10.29208/jsfk.2016.3.1.92>



Yati, K., Jufri, M., Gozan, M., Mardiasuti, & Dwita, L. P., 2018, *Pengaruh Variasi Konsentrasi Hidroxy Propyl Methyl Cellulose (HPMC) terhadap Stabilitas Fisik Gel Ekstrak Tembakau (Nicotiana tabaccum L.) dan Aktivasnya terhadap Streptococcus mutans*. *Pharmaceutical Sciences and Research*, 5(3). <https://doi.org/10.7454/psr.v5i3.4146>

Zulkarnain, A.K., Faridhotu, F., Naqsya, I., 2022, *Optimization of Gelling Agent of Sunflower (Helianthus annuus) Seed Oil Gel and Its Stability and Activity Test In Vitro as Sunscreen*, *Traditional Medicine Journal Vol. 27 No. 3:247-256*.