

## DAFTAR PUSTAKA

- Addor, F.A.S., 2017, Antioxidants in Dermatology, *An Bras Dermatol*, 92(3): 356-362.
- Allen, L.V., 2020, *The Art, Science and Technology of Pharmaceutical Compounding*, Sixth Edition, American Pharmaceutical Association, Washington D.C.
- Ansel, H.C., Allen, L.V., dan Popovich, N.G., 2013, *Bentuk Sediaan Farmasetis dan Sistem Penghantaran Obat*, Edisi 9, Penerbit Buku Kedokteran EGC, Jakarta.
- Azkiya, Z., Ariyani, H., & Nugaha, T.S., 2017, Evaluasi sifat fisik krim ekstrak jahe merah (*Zingiber officinale* Rosc. Var. Rubrum) sebagai anti nyeri, *Journal of Current Pharmaceutical Sciences*, 1(1): 12-18.
- Barel, A.O., Paye, M., & Maibach, H.I., 2014, *Handbook of Cosmetic Science and Technology*, Fourth Edition, Informa Healthcare USA, Inc., New York.
- Benisek, A., 2021, *DMDM Hydantoin: What to Know*, <https://www.webmd.com/beauty/dmdm-hydantoin-what-to-know>, diakses pada 19 Maret 2023.
- Bhalekar, M.R., Madgulkar, A.R., & Kadam, G.J., 2015, Evaluation of Gelling Agent for Clindamycin Phosphate Gel, *World J. Pharm. Pharmaceutic. Sci.*, 4(7): 2022-2033.
- Bialek, A., Bialek, M., Jelinska, M., & Tokarz, A., 2016, Fatty acid profile of new promising unconventional plant oils for cosmetic use, *Int J Cosmet Sci.*, 38(4): 382–388, DOI: 10.1111/ics.12301.
- Bolton, S., & Bon, C., 2010, *Pharmaceutical Statistics: Practical and Clinical Applications*, Fifth Edition, CRC Press, New York.
- Brunerova, A., & Brozek, M., 2017, Is it advantageous to reuse fruit waste biomass from processing of grapevine (*Vitis vinifera* L.) for briquette production? *Jelgava: Engineering for Rural Development*. 24: 555-560, DOI: 10.22616/ERDev2017.16.N109.
- Candradireja, K.C.M., 2014, *Pengaruh Penambahan Konsentrasi CMC-Na sebagai Gelling Agent Pada Sediaan Sunscreen Gel Ekstrak Temugiring (Curcuma heyneana Val.) terhadap Sifat Fisik dan Stabilitas Sediaan dengan Propilen Glikol sebagai Humectant*, Skripsi, Universitas Sanata Dharma, Yogyakarta.
- Cetika, R.K., Ameliana, L., & Winarti, L., 2015, Optimasi Gom Xanthan dan Natrium Karboksimetilselulosa terhadap Mutu Fisik dan Laju Pelepasan Gel Meloksikam In Vitro, *Pustaka Kesehatan*, 3(1): 50-55.

- Codex Alimentarius Commission, 2019, *Codex Standard for Named Vegetable Oils (Codex-Stan 210-1999)*, FAO/WHO Food Standards, Roma.
- Costa, E.M., Pereira, C.F., Ribeiro, A.A., Casanova, F., Freixo, R., Pintado, M., & Ramos, O.L., 2022, Characterization and Evaluation of Commercial Carboxymethyl Cellulose Potential as an Active Ingredient for Cosmetics, *Appl. Sci.*, 12(13): 6560, DOI: 10.3390/app12136560.
- Duba, K.S., & Fiori, L., 2015, Supercritical CO<sub>2</sub> extraction of grape seed oil: Effect of process parameters on the extraction kinetics, *The Journal of Supercritical Fluids*, 98: 33-43, DOI: 10.1016/j.supflu.2014.12.021.
- Edi, H.J., 2018, *Formulasi Sediaan Hidrogel Ekstrak Etanol Daun Bunga Tahikotok (*Tagetes erecta* L.) sebagai Penyembuh Luka*, Disertasi, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.
- Ergashev, S.U., 2021, Important Properties of Carbomer, *International Journal on Human Computing Studies*, 3(7): 34-35, DOI: 10.31149/ijhcs.v3i7.2214.
- Fernandes, L., Casal, S., Cruz, R., Pereira, J.A., dan Ramalhosa, E., 2013, Seed oil of ten traditional Portuguese grape varieties with interesting chemical and antioxidant properties, *Food Research International*, 50: 161-166, DOI: 10.1016/J.FOODRES.2012.09.039.
- Fiume, M.M., Bergfeld, W. F., Belsito, D. V., Hill, R. A., Klaassen, C. D., Liebler, D., Marks, J. G., Jr, Shank, R. C., Slaga, T. J., Snyder, P. W., & Andersen, F. A., 2012, Safety Assessment of Propylene Glycol, Tripropylene Glycol, and PPGs as Used in Cosmetics, *International Journal of Toxicology*, 31(5 Suppl): 245S-260S, DOI: 10.1177/1091581812461381.
- Fiume, M.M., Heldreth, B., Bergfeld, W. F., Belsito, D. V., Hill, R. A., Klaassen, C. D., Liebler, D., Marks, J. G., Jr, Shank, R. C., Slaga, T. J., Snyder, P. W., & Andersen, F. A., 2013, Safety Assessment of triethanolamine and Triethanolamine-Containing Ingredients as Used in Cosmetics, *International Journal of Toxicology*, 32(3 Suppl): 59S-83S, DOI: 10.1177/1091581813488804.
- Food & Drug Administration, 2018, *Q1A(R2) Stability Testing of New Drug Substances and Products*, <https://www.fda.gov/regulatory-information/search-fda-guidance-documents/q1ar2-stability-testing-new-drug-substances-and-products>, diakses pada 9 Mei 2023.
- Freitas, L.S, Dariva, C., Jacques, R.A., & Caramão, E.B., 2013, Effect of experimental parameters in the pressurized liquid extraction of Brazilian grape seed oil, *Separation and Purification Technology*, 116: 313-318, DOI: 10.1016/j.seppur.2013.06.002.
- Gad, S.C., 2008, *Pharmaceutical Manufacturing Handbook: Production and Processes*, John Wiley and Sons, USA.

- Garavaglia, J., Markoski, M.M., Oliveira, A., & Marcadenti, A., 2016, Grape seed oil compounds: Biological and chemical actions for health, *Nutr Metab Insights*, 9: 59–64, DOI: 10.4137/NMIS32910.
- Gulrez. S.K., Al-Assaf, S., & Phillips, G.O., 2011, Hydrogels: Methods of Preparation, Characterisation and Applications, dalam Carpi, A. (Ed.), *Progress in Molecular and Environmental Bioengineering: From Analysis and Modeling to Technology Applications*, InTech, 117-150, DOI: 10.5772/24553.
- Hayatun, N., 2018, *Formulasi dan Evaluasi Sediaan Lip Balm dari Minyak Biji Anggur (Grapeseed Oil) Sebagai Pelembab Bibir*, Skripsi, Universitas Sumatera Utara, Medan.
- Hendarto, D., 2019, *Tumpas Kanker dengan Anggur*, Laksana, Yogyakarta.
- Herlambang, S., Yudhiantoro, D., & Wibowo, A.W.A., 2021, *Biochar untuk Budidaya Anggur*, Lembaga Penelitian dan Pengabdian kepada Masyarakat UPN “Veteran” Yogyakarta, Yogyakarta.
- International Organization for Standardization, 2018, *Cosmetics — Guidelines on the stability testing of cosmetic products* (ISO/TR 1881:2018), British Standards Institution, Geneva.
- Irianto, I.D.K., Purwanto, & Mardan, M.T., 2020, Aktivitas Antibakteri dan Uji Sifat Fisik Sediaan Gel Dekokta Sirih Hijau (*Piper betle* L.) sebagai Alternatif Pengobatan Mastitis Sapi, *Majalah Farmaseutik*, 16(2): 202-210, DOI: 10.22146/farmaseutik.v16i2.53793.
- Ivanova, V., Stefona, M., & Chinnici, F., 2010, Determination of the polyphenol contents in Macedonian grapes and wines by standardized spectrophotometric methods, *J. Serb. Chem. Soc.*, 75(1): 45-49, DOI: 10.2298/JSC1001045I.
- Khasanah, N., 2016, *Pengaruh Konsentrasi Polimer Karbopol 940 sebagai Gelling Agent terhadap Sifat Fisik Emulgel Gamma-Oryzanol*, Skripsi, UIN Syarif Hidayatullah Jakarta, Jakarta.
- Kusuma, T.M., Azalea, M., Dianita, P.S., & Syifa, N., 2018, Pengaruh Variasi Jenis dan Konsentrasi Gelling Agent terhadap Sifat Fisik Gel Hidrokortison, *Jurnal Farmasi Sains dan Praktis*, 4(1): 44-49.
- Kusumawati, G.D., 2012, *Formulasi Sediaan Gel Ekstrak Etanol dalam Lidah Buaya (*Aloe vera* (L.) Webb) dengan Gelling Agent Hydroxypropyl Methylcellulose (HPMC) 4000 SM dan Aktivitas Antibakterinya terhadap *Staphylococcus epidermidis**, Skripsi, Universitas Muhammadiyah Surakarta, Surakarta.
- Lachman, L., Lieberman, H.A., & Karing, J., 2012, *Teori dan Praktek Farmasi Industri*, Edisi 3, Universitas Indonesia Press, Jakarta.

- Lie, D.Y., 2019, *Formulasi Dan Uji Aktivitas Tabir Surya dari Nanoemulgel yang Mengandung Minyak Biji Anggur (Vitis vinifera) dan Anisotriazine*, Skripsi, Universitas Sumatera Utara, Medan.
- Lutterodt, H., Slavin, M., Whent, M., Turner, E., & Yu L.L., 2011, Fatty acid composition, oxidative stability, antioxidant and antiproliferative properties of selected cold-pressed grape seeds oils and flours, *Food Chemistry*, 128(2): 391-399, DOI: 10.1016/j.foodchem.2011.03.040.
- Marchaban, F.A., Sulaiman, T.N.S., Mufrod, M.R., & Bestari, A.N., 2016, *Seri Buku Petunjuk Praktikum Teknologi Farmasi: Teknologi Formulasi Sediaan Cair Semi Padat*, Laboratorium Teknologi Farmasi Fakultas Farmasi UGM, Yogyakarta.
- Maulina, L., & Sugihartini, N., 2015, Formulasi Gel Ekstrak Etanol Kulit Buah Manggis (*Garcinia mangostana* L.) dengan Variasi Gelling Agent Sebagai Sediaan Luka Bakar, *Pharmaciana*, 5(1): 43-52.
- Mayba, J.N., & Gooderham, M.J., 2018, A guide to topical vehicle formulations, *Journal of Cutaneous Medicine and Surgery*, 22(2): 207-212, DOI: 10.1177/1203475417743234.
- Mursyid, M., 2017, Evaluasi Stabilitas Fisik dan Profil Difusi Sediaan Gel (Minyak Zaitun), *Jurnal Fitofarmaka Indonesia*, 4(1): 205-211.
- National Center for Biotechnology Information, 2023a, *PubChem Compound Summary for CID 108065, Proanthocyanidin*, <https://pubchem.ncbi.nlm.nih.gov/compound/Proanthocyanidin>, diakses pada 19 Maret 2023.
- National Center for Biotechnology Information, 2023b, *PubChem Compound Summary for CID 22947, DMDM-Hydantoin*, <https://pubchem.ncbi.nlm.nih.gov/compound/DMDM-Hydantoin>, diakses pada 19 Maret 2023.
- Nikam, S., 2017, Anti-acne Gel of Isotretinoin: Formulation and Evaluation, *Asian Journal of Pharmaceutical and Clinical Research*, 10(11): 257-266, DOI: 10.22159/ajpcr.2017.v10i11.19614.
- Nurahmanto, D., Mahrifah, I.R., Azis, R.F.N.I., & Rosyidi, V.A., 2017, Formulasi sediaan gel dispersi padat ibuprofen: studi gelling agent dan senyawa peningkat penetrasi, *Jurnal Ilmiah Manuntung*, 3(1): 96-105.
- Nurlely, N., Rahmah, A., Ratnapuri, P.H., Srikartika, V.M., & Anwar, K., 2021, Uji Karakteristik Fisik Sediaan Gel Ekstrak Daun Kirinyuh (*Chromolaena odorata* L.) dengan Variasi Karbopol dan HPMC, *Jurnal Pharmascience*, 8(2): 79-89.
- Nursal, F.K., Nining, & Rahmah, S., 2020, Formulation and Development of Grape Seed Oil (*Vitis Vinifera* L) Emulgel Peel-Off Mask using Gelling Agent

Hydroxy Propyl Methyl Cellulose (HPMC), *IOP Conference Series: Earth and Environmental Science*, 755, DOI: 10.1088/1755-1315/755/1/012046.

Pertiwi, R.D., Kristanto, J., & Praptiwi, G.A., 2016, Uji Aktivitas Antibakteri Formulasi Gel untuk Sariawan dari Ekstrak Daun Saga (*Abrus precatorius* Linn.) terhadap Bakteri *Staphylococcus aureus*, *Jurnal Ilmiah Manuntung*, 2(2): 239-247.

Porto, C., Poretto, E., & Decorti, D., 2013, Comparison of ultrasound-assisted extraction with conventional extraction methods of oil and polyphenols from grape (*Vitis vinifera* L.) seeds, *Ultrasonics Sonochemistry*, 20(4): 1076-1080, DOI: 10.1016/j.ultsonch.2012.12.002.

Postles, A., 2018, *Factors affecting the measurement of stability and safety of cosmetic products*, Tesis, Bournemouth University, Bournemouth.

Rahman, M.S., Hasan, M.S., Nitai, A.S., Nam, S., Karmakar, A.K., Ahsan, M.S., Shiddiky, M.J.A., & Ahmed, M.B., 2021, Recent Developments of Carboxymethyl Cellulose, *Polymers*, 13(8): 1345, DOI: 10.3390/polym13081345.

Rathod, H., & Mehta, D., 2015, A Review on Pharmaceutical Gel, *International Journal of Pharmaceutical Sciences*, 1(1): 33-47.

Rehman, K., & Zulfakar, M.H., 2014, Recent advances in gel technology for topical and transdermal drug delivery, *Drug Development and Industrial Pharmacy*, 40(4): 433-440, DOI: 10.3109/03639045.2013.828219.

Rizkia, A.D., Syaputri, F.N., & Tugon, T.D., 2022, Pengaruh Variasi Konsentrasi Na-CMC sebagai *Gelling Agent* Terhadap Stabilitas Fisik dan Kimia Sediaan Gel Ekstrak Daun Serai Wangi (*Cymbopogon nardus* (L.) Rendle), *FARMASIS: Jurnal Sains Farmasi*, 3(1): 1-11, DOI: 10.36456/farmasis.v3i1.5295.

Rodan, K., Fields, K., Majewski, G., & Falla, T., 2016, Skincare Bootcamp: The Evolving Role of Skincare, *Plastic and reconstructive surgery. Global open*, 4(12 Suppl Anatomy and Safety in Cosmetic Medicine: Cosmetic Bootcamp): e1152, DOI: 10.1097/GOX.0000000000001152.

Rombaut, N., Savoie, R., Thomasset, B., Castello, J., van Hecke, E., & Lanoisellé, J-L., 2015, Optimization oil yield and oil total phenolic content during grape seed cold screw pressing, *Industrial Crops and Products*, 63: 26-33, DOI: 10.1016/j.indcrop.2014.10.001.

Roosevelt, A.H., Ambo Lau, S., & Syawal, H, 2019, Formulasi dan Uji Stabilitas Krim Ekstrak Methanol Daun Beluntas (*Pluchea indica* L.) dari Kota Benteng Kabupaten Kepulauan Selayar Provinsi Sulawesi Selatan, *Jurnal Farmasi Sandi Karsa*, 5(1): 19-25.



- Rosida, Sidiq, H.B.H.F., & Apriliyanti, I.P., 2018, Evaluasi Sifat Fisik dan Uji Iritasi Gel Ekstrak Kulit Buah Pisang (*Musa acuminata Colla*), *Journal of Current Pharmaceutical Sciences*, 2(1): 131-135.
- Rowe, R.C., Sheskey, P.J., & Quinn, M.E., 2009, *Handbook of Pharmaceutical Excipients*, Sixth Edition, Pharmaceutical Press, London.
- Saraswati, E., 2022, *Optimasi Gelling Agent Carbopol 940 dan HPMC Terhadap Sifat Fisik Hand Sanitizer Gel Ekstrak Pegagan (*Centella asiatica* (L.)), Skripsi, Program Studi Farmasi Universitas Sanata Dharma.*
- Sayuti, N.A., 2015, Formulasi dan Uji Stabilitas Fisik Sediaan Gel Ekstrak Daun Ketepeng Cina (*Cassia alata* L.), *Jurnal Kefarmasian Indonesia*, 5(2): 74-82.
- Schoch, C.L., dkk., 2020, *NCBI Taxonomy: a comprehensive update on curation, resources and tools*, Database (Oxford), <https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?mode=Root>, diakses pada 17 Oktober 2022.
- Shafiei, M., Balhoff, M., & Hayman, N.W., 2018, Chemical and microstructural controls on viscoplasticity in Carbopol hydrogel, *Polymer*, 139: 44-51, DOI: 10.1016/j.polymer.2018.01.080.
- Sharma, B., & Singh, 2018, Pharmaceutical gels for topical drug delivery: An overview, *Pharmaceutical Sciences*, 3(2): 19-24.
- Shinagawa, F.B., Santana, F.C., Torres, L.R.O., & Mancini-Filho, J., 2015, Grape seed oil: a potential functional food? *Food Science and Technology (Campinas)*, 35(3): 399-406, DOI: 10.1590/1678-457X.6826.
- Slamet, S., Anggun, B.D., & Pambudi, D.B., 2020, Uji Stabilitas Fisik Formula Sediaan Gel Ekstrak Daun Kelor (*Moringa Oleifera* Lamk.), *Jurnal Ilmiah Kesehatan*, 13(2): 115-122.
- Sotiropoulou, E., Varelas, V., Liouni, M., & Nerantzis, E., 2015, Grape Seed Oil: From A Winery Waste to a Value Added Cosmetic Product-a Review, *Conference: International Conference Industrial Waste & Wastewater Treatment & Valorisation*.
- Sugihartini, N., 2011, Optimasi Komposisi Tepung Beras dan Fraksi Etanol Daun Sendok (*Plantago major*, L) dalam Formulasi Tabir Surya dengan Metode *Simplex Lattice Design*, *Jurnal Ilmiah Kefarmasian*, 1(2): 63-70, DOI: 10.12928/pharmaciana.v1i2.525.
- Sujono, T.A., Hidayah, U.N.W., & Sulaiman, T.N.S., 2014 Efek Gel Herba Pegagan (*Centella asiatica* L. Urban) dengan Gelling Agent Hidroksipropil Methylcellulose terhadap Penyembuhan Luka Bakar pada Kulit Punggung Kelinci, *Biomedika*, 6(2): 9-17, DOI: 10.23917/biomedika.v6i2.276.

- Sulastris, L., & Zamzam, M.Y., 2018, Formulasi Gel Hand Sanitizer Ekstrak Etanol Daun Kemangi Konsentrasi 1,5%, 2%, dan 6% dengan Gelling Agent Carbopol 940, *Medimuh*, 1(1): 31-44.
- Surber, C., & Kottner, 2016, Skin Care Products: What do they promise, what do they deliver, *Journal of Tissue Viability*, 26(1): 29-36, doi: 10.1016/j.jtv.2016.03.006.
- Sutjahjokartiko, S., 2017, Pengaruh Konsentrasi Pengawet DMDM Hydantoin terhadap Karakteristik, Stabilitas Fisika & pH pada Water Based Pomade yang Mengandung Ekstrak *Aloe vera*, *Jurnal Ilmiah Mahasiswa Universitas Surabaya*, 6(2): 553-566.
- Tambunan, S., & Sulaiman, T.N.S., 2018, Formulasi Gel Minyak Atsiri Sereh dengan Basis HPMC dan Karbopol, *Majalah Farmasetik*, 14(2): 87-95.
- Titisari, A., 2018, *Buahkan Anggur Tropis di Teras*, PT. Trubus Swadaya, Depok.
- Tranggono, R.I., & Latifah, F., 2013, *Buku Pegangan Ilmu Pengetahuan Kosmetik*, PT. Gramedia Pustaka Utama, Jakarta.
- Usman, Y., 2019, Uji Stabilitas Fisik Gel dari Ekstrak Etanol Kulit Batang Kayu Jawa (*Lannea coromandelica*) pada Basis Na-CMC dan Carbopol 934, *Journal of Pharmaceutical Science and Herbal Technology*, 4(1): 18-21.
- Vadas, E.B., 2010, Stability of Pharmaceutical Products, *The Science and Practice of Pharmacy*, 1: 988-989.
- Vieira, D.S., Menezes, M., Gonçalves, G., Mukai, H., Lenzi, E.K., Pereira, N.C., & Fernandes, P.R.G., 2015, Temperature dependence of refractive index and of electrical impedance of grape seed (*Vitis vinifera*, *Vitis labrusca*) oils extracted by Soxhlet and mechanical pressing, *Grasas y Aceites*, 66(3): e083, DOI: 10.3989/gya.0954142..
- Yousefi, M., Nateghi, L., & Gholamian, M., 2013, Physicochemical properties of two type of shahrodi grape seed oil (Lal and Khalili), *Euro. J. Exp. Bio.*, 3(5): 115-118.
- Yuliani, S.H., Fudholi, A., Pramono, S., & Marchaban, 2012, Physical Properties of Wound Healing Gel of Ethanolic Extract of Binahong (*Anredera cordifolia* (Ten) Steenis), *Indonesian J. Pharm.*, 23(4): 203-208.
- Zainal, T.H., Nisa, M., Hapiwaty, S., & Sarrin, A., 2022, Formulasi Emulgel Ekstrak Etanol Daun Senggani (*Melastoma malabathricum* L) sebagai Luka Bakar, *Jurnal Inovasi Penelitian*, 3(2): 5029-5036, DOI: 10.47492/jip.v3i2.1710.
- Zulkarnain, A.K., Faridhotu, F., & Naqysa PR., I., 2022, Optimization of Gelling Agent of Sunflower (*Helianthus annuus*) Seed Oil Gel and Its Stability an Activity Test *In Vitro* as Sunscreen, *Trad. Med J.*, 27(3): 247-256, DOI: <https://doi.org/10.22146/mot.80299>.