

DAFTAR PUSTAKA

- Abdurrahman, N. Z. D., Fitriani, N., & Rusli, R. (2019). Formulasi Sediaan Masker Gel Peel Off Ekstrak Etanol Daun Salam (*Syzygium polyanthum*) sebagai Antioksidan dengan Metode DPPH. *Proceeding of Mulawarman Pharmaceuticals Conferences*, 10, 27–31. <https://doi.org/10.25026/mpc.v10i1.352>
- Adhayanti, E., Luh, N., Ni, A., & Darsini, N. (2022). Formulasi Sediaan Masker Gel Peel-off Ekstrak Daun Kelor (*Moringa oleifera* Lam.) dan Minyak Atsiri Serai Wangi (*Cymbopogon nardus* L. Rendle) Formulation of Peel-off Gel Mask Preparations Moringa Leaf Extract (*Moringa oleifera* Lam.) and Fragrant Lemongrass Essential Oil (*Cymbopogon nardus* L. Rendle). *Journal of Biological Sciences*, 9(1), 101–111. <https://doi.org/10.24843/metamorfofa.2021.v09.i01.p10>
- Ak, G., Zengin, G., Ceylan, R., Fawzi Mahomoodally, M., Jugreet, S., Mollica, A., & Stefanucci, A. (2021). Chemical composition and biological activities of essential oils from *Calendula officinalis* L. flowers and leaves. *Flavour and Fragrance Journal*, 36(5), 554–563. <https://doi.org/10.1002/ffj.3661>
- Beringhs, A. O. R., Rosa, J. M., Stulzer, H. K., Budal, R. M., & Sonaglio, D. (2013). Green clay and aloe vera peel-off facial masks: Response surface methodology applied to the formulation design. *AAPS PharmSciTech*, 14(1), 445–455. <https://doi.org/10.1208/s12249-013-9930-8>
- Bhalekar, M. R., Madgulkar, A. R., & Kadam, G. J. (2015). Evaluation of Gelling Agents for Clindamycin Phosphate Gel. *World Journal of Pharmacy and Pharmaceutical Sciences*, 4(7), 2022–2033. www.wjpps.com
- Birck, C., Degoutin, S., Tabary, N., Miri, V., & Bacquet, M. (2014). New crosslinked cast films based on poly(vinyl alcohol): Preparation and physico-chemical properties. *Express Polymer Letters*, 8(12), 941–952. <https://doi.org/10.3144/expresspolymlett.2014.95>
- Bolton, S., & Bon, C. (2004). *Pharmaceutical statistics : practical and clinical applications*. M. Dekker.
- BPOM RI. (2019). Peraturan Badan Pengawas Obat dan Makanan Nomor 23 Tahun 2019 Tentang Persyaratan Teknis Bahan Kosmetika. Dalam Badan Pengawas Obat dan Makanan Republik Indonesia.
- Budiman, A., Aulifa, D. L., Kusuma, A. S. W., Kurniawan, I. S., & Sulastri, A. (2017). Peel-off gel formulation from black mulberries (*Morus nigra*) extract as anti-acne mask. *National Journal of Physiology, Pharmacy and Pharmacology*, 7(9), 987–994. <https://doi.org/10.5455/njppp.2017.7.0413123052017>

- Dessy, E. M. S., & Yudanti, G. P. (2023). Formulation of Peel-off Gel Mask with 70% Ethanol Extract of Dragon Fruit Peel (*Hylocereus polyrhizus* Haw.) as Antioxidant with Concentration Variation of PVA Gel Forming & Propylene Glycol Humectant. *In Proceeding Cendekia International Conference Health and Technology, 1*, 166–174.
- Ekaputri, C. (2022). Narrative Review: Aplikasi PVA (Polivinil Alkohol) Sebagai Gelling Agent Pembentuk Gel dan Pemberi Efek Peel-Off dalam Sediaan Kosmetik Masker Gel Peel-Off (Doctoral dissertation, Universitas Gadjah Mada).
- Fatimi, H. A., Zulkarnain, A. K., & Laksitorini, M. D. (2023). Potensi senyawa 4-Hidroksikalkon sebagai agen tabir surya The Potency of 4-Hydroxychalcone as a Sunscreen Agent. *Health Sciences and Pharmacy Journal, ISSN(1)*, 6–15. <https://doi.org/10.32504/hspj.v%vi%i.762>
- Fauzi, A. R. (2013). *Merawat kulit dan Wajah*. Elex Media Komputindo.
- Gabriel, A. A., Solikhah, A. F., & Rahmawati, A. Y. (2021). Tensile Strength and Elongation Testing for Starch-Based Bioplastics using Melt Intercalation Method: A Review. *Journal of Physics: Conference Series, 1858(1)*. <https://doi.org/10.1088/1742-6596/1858/1/012028>
- Hajrin, W., Subaidah, W. A., Juliantoni, Y., & Wirasisya, D. G. (2021). Application of Simplex Lattice Design Method on The Optimisation of Deodorant Roll-on Formula of Ashitaba (*Angelica keiskei*). *Jurnal Biologi Tropis, 21(2)*, 501–509. <https://doi.org/10.29303/jbt.v21i2.2717>
- Heroweti, J., Rochman, M. F., Fitriani, N., & Dinda, S. (2023). Formulation of patchouli oil spray gel (*Pogostemon cablin* Benth) and irritation test in rabbit. *Pharmaciana, 13(1)*, 38. <https://doi.org/10.12928/pharmaciana.v13i1.23845>
- Hidayat, I. R., Zuhrotun, A., & Sopyan, I. (2020). Design-Expert Software sebagai Alat Optimasi Formulasi Sediaan Farmasi. *Majalah Farmasetika, 6(1)*. <https://doi.org/10.24198/mfarmasetika.v6i1.27842>
- Izyan, N., Azelee, W., Nor, A., Ramli, M., Hasmaliana, N., Manas, A., Salamun, N., Man, R. C., & Enshasy, H. El. (2019). Glycerol In Food, Cosmetics And Pharmaceutical Industries: Basics And New Applications. *International Journal of Scientific & Technology Research, 8*. www.ijstr.org
- Kulkarni, S. V., Arun, D. R., Gupta, K., & Abdul, A. P. J. (2019). Formulation and Evaluation of Activated Charcoal Peel Off Mask. *International Journal of Pharmacy Research & Technology, 9(2)*, 44–48.
- Lestari, F. A., Hajrin, W., & Hanifa, N. I. (2020). Optimasi Formula Krim Ekstrak Daun Katuk (*Sauropus Androgynus*) Variasi Konsentrasi Asam Stearat, Trietanolamin, dan Gliserin. *Jurnal Kefarmasian Indonesia, 110–119*. <https://doi.org/10.22435/jki.v10i2.2496>

- Lidia, I., Mursal, P., Kusumawati, A. H., & Puspasari, D. H. (2019). Pengaruh Variasi Konsentrasi Gelling Agent Carbopol 940 terhadap Sifat Fisik Sediaan Gel Hand Sanitizer Minyak Atsiri Daun Kemangi (*Ocimum Sanctum L.*). *Pharma Xplore: Jurnal Sains Dan Ilmu Farmasi*, 4(1), 268–277.
- Lohani, A., Mishra, A. K., & Verma, A. (2019). Cosmeceutical potential of geranium and calendula essential oil: Determination of antioxidant activity and in vitro sun protection factor. *Journal of Cosmetic Dermatology*, 18(2), 550–557. <https://doi.org/10.1111/jocd.12789>
- Maulidina, R. F., Pujiani, D., & Haryanto, H. (2022). The Effect Of The Addition Of Polyvinyl Alcohol (PVA) Concentrations on the Characteristics of The Carboxymethyl Cellulose (CMC)-Poly (Acrylic Acid) Hydrogel Superabsorbent as a Planting Medium. *CHEMICA: Jurnal Teknik Kimia*, 9(2), 60. <https://doi.org/10.26555/chemica.v9i2.24428>
- Mishra, A. K., Mishra, A., Pragya, & Chattopadhyay, P. (2018). Screening of acute and sub-chronic dermal toxicity of *Calendula officinalis L* essential oil. *Regulatory Toxicology and Pharmacology*, 98, 184–189. <https://doi.org/10.1016/j.yrtph.2018.07.027>
- Nagarkar, R., & Patel, J. (2019). Acta Scientific Pharmaceutical Sciences (ISSN: 2581-5423) Polyvinyl Alcohol: A Comprehensive Study. *Acta Scientific Pharmaceutical Sciences*, 3(4), 34–44.
- National Center for Biotechnology Information (2023). PubChem Compound Summary for CID 22947, DMDM Hydantoin. Retrieved November 24, 2023 from <https://pubchem.ncbi.nlm.nih.gov/compound/DMDM-Hydantoin>.
- Okuma, C. H., Andrade, T. A. M., Caetano, G. F., Finci, L. I., Maciel, N. R., Topan, J. F., Cefali, L. C., Polizello, A. C. M., Carlo, T., Rogerio, A. P., Spadaro, A. C. C., Isaac, V. L. B., Frade, M. A. C., & Rocha-Filho, P. A. (2015). Development of lamellar gel phase emulsion containing marigold oil (*Calendula officinalis*) as a potential modern wound dressing. *European Journal of Pharmaceutical Sciences*, 71, 62–72. <https://doi.org/10.1016/j.ejps.2015.01.016>
- Raal, A., Orav, A., Nesterovitsch, J., & Maidla, K. (2016). Analysis of Carotenoids, Flavonoids and Essential Oil of *Calendula officinalis* Cultivars Growing in Estonia. *Natural Product Communications*, 11(8).
- Rahmawanty, D., Yulianti, N., & Fitriana, M. (2015). Formulasi dan Evaluasi Masker Formulasi dan Evaluasi Masker Wajah Peel-Off Mengandung Kuersetin dengan Variasi Konsentrasi Gelatin dan Gliserin. *Media Farmasi*, 12(1), 17–32.
- Safitri, F. I., & Nawangsari, D. (2021). Overview: Application of Carbopol 940 in Gel. In *International Conference on Health and Medical Sciences (AHMS 2020)* (pp. 80–84).

- Saputra, S. A., Lailiyah, M., Erivina, A., Sains, F., dan Analisis Institut Ilmu Kesehatan Bhakti Wiyata Kediri, T., Farmasi, F., & Ilmu Kesehatan Bhakti Wiyata Kediri, I. (2019). Formulasi Dan Uji Aktivitas Anti Bakteri Masker Gel Peel-Off Ekstrak Daun Pacar Air (*Impatiens balsamina* linn.) Dengan Kombinasi Basis PVA dan HPMC. *Jurnal Riset Kefarmasian Indonesia*, 1(2), 114–122.
- Shahane, K., Kshirsagar, M., Tambe, S., Jain, D., Rout, S., Ferreira, M. K. M., Mali, S., Amin, P., Srivastav, P. P., Cruz, J., & Lima, R. R. (2023). An Updated Review on the Multifaceted Therapeutic Potential of *Calendula officinalis* L. In *Pharmaceuticals* (Vol. 16, Issue 4). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/ph16040611>
- Sheskey, P. J. , C. W. G. , & C. C. G. (2017). *Handbook of Pharmaceutical Excipient (8th ed.)*. Pharmaceutical Press.
- Slamet, S., Dewi Anggun, B., & Pambudi, D. B. (2020). Uji Stabilitas Fisik Formula Sediaan Gel Ekstrak Daun Kelor (*Moringa Oleifera* Lamk.). *Jurnal Ilmiah Kesehatan*, XIII.
- Sulastrri, A., Yohana Chaerunisaa, A., & Raya Bandung-Sumedang, J. K. (2016). Formulasi Masker Gel Peel-Off Untuk Perawatan Kulit Wajah. *Farmaka*, 14(3), 17–26.
- Sumule, A., Kuncahyo, I., & Leviana, F. (2020). Optimization of Carbopol 940 and Glycerine in Snail (*Achatina fulica* Ferr) Mucus Gel Formula as an Antibacterial Preparation against *Staphylococcus aureus* using Simplex Lattice Design Method. In *Pharmaceutical Journal of Indonesia* (Vol. 17, Issue 01).
- Surini, S., & Auliyya, A. (2017). Formulation of an anti-wrinkle hydrogel face mask containing ethanol extract of noni fruit (*Morinda citrifolia* L) for use as a nutracosmeceutical product. *International Journal of Applied Pharmaceutics*, 9, 74–76. https://doi.org/10.22159/ijap.2017.v9s1.41_47
- Tanjung, Y. P., & Rokaeti, A. M. (2020). Formulasi dan Evaluasi Fisik Masker Wajah Gel Peel Off Ekstrak Kulit Buah Naga Merah (*Hylocereus Polyrhizus*). *Majalah Farmasetika.*, 4. <https://doi.org/10.24198/mfarmasetika.v4i0.25875>
- Taurina, W., Andrie, M., & Anjeli, L. (2018). The gel formulation of the aqueous phase of snakehead fish (*Channa striata*) extract with various combinations of HPMC K4M and Carbopol 934. *Pharmaciana*, 8(1), 97. <https://doi.org/10.12928/pharmaciana.v8i1.8356>
- Tsabitah, A. F., Zulkarnain, A. K., Wahyuningsih, M. S. H., & Nugrahaningsih, D. A. A. (2020). Optimasi Carbomer, Propilen Glikol, dan Trietanolamin Dalam Formulasi Sediaan Gel Ekstrak Etanol Daun Kembang Bulan (*Tithonia diversifolia*). *Majalah Farmaseutik*, 16(2), 111. <https://doi.org/10.22146/farmaseutik.v16i2.45666>

- United States Department of Agriculture. (2019). Classification for Kingdom Plantae Down to Genus *Calendula* L. Retrieved November 24, 2023 from <https://plants.usda.gov/home/classification/33010>
- Vieira, R. P., R Velasco, M. V, Pinto Vieira, R., Ribeiro Fernandes, A., Mary Kaneko, T., Olga Consiglieri, V., Aparecida Sales de Oliveira Pinto, C., Silva Cortez Pereira, C., Rolim Baby, A., Valéria Robles Velasco, M., Fernandes, A. R., Kaneko, T. M., Consiglieri, V. O., S O Pinto, C. A., C Pereira, C. S., & Baby, A. R. (2009). Physical and physicochemical stability evaluation of cosmetic formulations containing soybean extract fermented by *Bifidobacterium animalis*. In *Article Brazilian Journal of Pharmaceutical Sciences* (Vol. 45, Issue 3).
- Yati, K., Jufri, M., Gozan, M., & Putri Dwita, L. (2018). Pengaruh Variasi Konsentrasi Hidroxy Propyl Methyl Cellulose (HPMC) terhadap Stabilitas Fisik Gel Ekstrak Tembakau (*Nicotiana tabaccum* L.) dan Aktivitasnya terhadap *Streptococcus mutans* The Effect of Hidroxy Propyl Methyl Cellulose (HPMC) Concentration Variation on Physical Stability of Tobacco (*Nicotiana tabaccum* L.) Extract Gel and Its Activity Against *Streptococcus mutans* Article History. *Original Article Pharmaceutical Sciences and Research (PSR)*, 5(3), 133–141.
- Zulkarnain, A. K., Chairunnisa Nurul Ichسانی, & Candriya Lael Judiantoro. (2023). Physical properties and stability of grapeseed oil (*Vitis vinifera* L.) skincare formula with gelling agent combination of Na-CMC-carbopol and HPMC-carbopol. *Indonesian Journal of Pharmacology and Therapy*, 4(2). <https://doi.org/10.22146/ijpther.8279>
- Zulkarnain, A. K., Wahyuono, S., & Susidarti, R. A. (2015). Pengaruh Konsentrasi Mahkota Dewa Terhadap Stabilitas Lotion-Krim Serta Uji Tabir Surya Secara Spektrofotometri Effect Lotion-Cream *Phaleria macrocarpa* Concentration on Stability and Sunscreen Activity by Spectrophotometry. In *Majalah Farmaseutik* (Vol. 11, Issue 3).
- Zulkarnain, A. Karim., Faridhotu, F., & Ifthary Naqsya, P. R. (2022). Optimization of Gelling Agent of Sunflower (*Helianthus annuus*) Seed Oil Gel and Its Stability and Activity Test In Vitro as Sunscreen. *Majalah Obat Tradisional*, 27(3), 247–256. <https://doi.org/10.22146/mot.80299>