

DAFTAR PUSTAKA

- Agustina, H., Hidayat, E. M., & Bustamam, N. (2020). Korelasi Asupan Vitamin E dengan Kadar Hemoglobin pada Ibu Hamil di Puskesmas Kaliwiro Tahun 2019. In *Seminar Nasional Riset Kedokteran* (Vol. 1, No. 1).
- Ahmed, I. A., Mikail, M. A., Zamakshshari, N., & Abdullah, A. S. H. (2020). Natural anti-aging skincare: role and potential. *Biogerontology*, *21*, 293-310.
- Aizah, S. (2016). *Antioksidan Memperlambat Penuaan Dini Sel Manusia*. In Prosiding Seminar Nasional IV Hayati (pp. 182-185).
- Alsudani, A. A. (2017). In vitro antifungal effect of potassium sorbate and sodium benzoate on the growth of fungi causing sinusitis. *African Journal of Microbiology Research*, *11*(6), 232-236.
- Apri Eldiani, N. (2021). Formulasi dan Evaluasi Fisik Bakuchiol Gel Menggunakan Variasi Gelling agent.
- Arifan, F., Broto, W., & Pangestu, I. (2021). Gel Pengharum Ruangan dari Daun Teh Diperkuat dengan Karagenan dan Xanthan Gum. *Pentana: Jurnal Penelitian Terapan Kimia*, *2*(1), 1-5.
- Base, N. H., & Arief, R. (2021). Pembuatan sediaan masker wajah peel-off pati biji kurma khalas (*Phoenix dactylifera* L). *Jurnal Kesehatan Yamasi Makassar*, *5*(2), 141-147.
- 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*, 445-455.
- 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.
- 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).
- Bluemke, A., Ring, A. P., Immeyer, J., Hoff, A., Eisenberg, T., Gerwat, W., ... & Schweiger, D. (2022). Multidirectional activity of bakuchiol against cellular mechanisms of facial ageing-Experimental evidence for a holistic treatment approach. *International journal of cosmetic science*, *44*(3), 377-393.
- Chaudhuri, R. K., & Bojanowski, K. (2014). Bakuchiol: a retinol-like functional compound revealed by gene expression profiling and clinically proven to have anti-aging effects. *International journal of cosmetic science*, *36*(3), 221-230. <https://doi.org/10.1111/ics.12117>
- Dantas, M. G. B., Reis, S. A. G. B., Damasceno, C. M. D., Rolim, L. A., Rolim-Neto, P. J., Carvalho, F. O., ... & Almeida, J. R. G. D. S. (2016). Development and evaluation of stability of a gel formulation containing the monoterpene borneol. *The Scientific World Journal*, *2016*(1), 7394685.

- Dehghan, P., Mohammadi, A., Mohammadzadeh-Aghdash, H., & Dolatabadi, J. E. N. (2018). Pharmacokinetic and toxicological aspects of potassium sorbate food additive and its constituents. *Trends in Food Science & Technology*, 80, 123-130.
- Dewi, R., Anwar, E., dan Yunita, K.S., 2014, Uji Stabilitas Fisik Formula Krim yang Mengandung Ekstrak Kacang Kedelai (*Glycine max*), *Pharm. Sci. Res.*, 1 (3):194-208.
- Dhaliwal, S., Rybak, I., Ellis, S. R., Notay, M., Trivedi, M., Burney, W., ... & Sivamani, R. K. (2019). Prospective, randomized, double-blind assessment of topical bakuchiol and retinol for facial photoageing. *British Journal of Dermatology*, 180(2), 289-296.
- Di Giuseppe, E., Corbi, F., Funiciello, F., Massmeyer, A., Santimano, T. N., Rosenau, M., & Davaille, A. (2015). Characterization of Carbopol® hydrogel rheology for experimental tectonics and geodynamics. *Tectonophysics*, 642, 29-45.
- Draeos, Z. D., Gunt, H., Zeichner, J., & Levy, S. (2020). Clinical Evaluation of a Nature-Based Bakuchiol Anti-Aging Moisturizer for Sensitive Skin. *Journal of Drugs in Dermatology: JDD*, 19(12), 1181-1183.
- Emerald, M., Emerald, A., Emerald, L., & Kumar, V. (2016). Perspective of natural products in skincare. *Pharmacy & Pharmacology International Journal*, 4(3), 1-3.
- Fitrianiingsih, S., Nafi'ah, L. N., & Ismah, K. (2022). Studi Literatur: Formulasi Krim dari Bahan Alam pada Aktivitas Antiaging. *Cendekia Journal of Pharmacy*, 6(2), 318-325.
- Guo, H., Ge, J., Wu, Q., He, Z., Wang, W., & Cao, G. (2022). Syneresis Behavior of Polymer Gels Aged in Different Brines from Gelants. *Gels* 2022, Vol. 8, Page 166, 8(3), 166. <https://doi.org/10.3390/GELS8030166>
- Hamal, P., Subasinghege Don, V., Nguyenhuu, H., Ranasinghe, J. C., Nauman, J. A., McCarley, R. L., Kumar, R., & Haber, L. H. (2021). Influence of Temperature on Molecular Adsorption and Transport at Liposome Surfaces Studied by Molecular Dynamics Simulations and Second Harmonic Generation Spectroscopy. *Journal of Physical Chemistry B*, 125(37), 10506–10513. <https://doi.org/10.1021/acs.jpccb.1c04263>.
- Hariyadi, D. M., Purwanti, T., & Soeratri, W. (2005). *Korelasi Kadar Propilenglikol dalam Basis dan Pelepasan Dietilammonium Diklofenak dari Basis Gel Carbopol 940*.
- Hatab, S., Lin, K., Miao, W., Chen, M., Lin, J., & Deng, S. (2018). Potential utilization of green tea leaves and fenugreek seeds extracts as natural preservatives for pacific white shrimp during refrigerated storage. *Foodborne pathogens and disease*, 15(8), 498-505.
- Hendrawati, M. S. (2023). *Bioplastik Berbahan Dasar Sisa Hasil Pertanian*. Deepublish.
- Hidayat, I. R., Zuhrotun, A., & Sopyan, I. (2021). Design-expert software sebagai alat optimasi formulasi sediaan farmasi. *Majalah Farmasetika*, 6(1), 99-120.

- Husnani, H., & Rizki, F. S. (2018). Pengaruh Pembentuk Film Pva Pada Sediaan Masker Gel Peel-off Ekstrak Etanol Bawang Dayak (*Eleutherina Palmifolia* (L.) Merr) Terhadap Aktivitas Antibakteri *Staphylococcus Aureus* Penyebab Jerawat. *Jurnal Ilmu Farmasi dan Farmasi Klinik*, 15(2), 24-30.
- Iceri, D. M., Biazussi, J. L., Van Der Geest, C., Thompson, R. L., Palermo, T., & Castro, M. S. (2023). The yielding behavior of aqueous solutions of Carbopol and triethanolamine and its prediction considering the fractal nature of the formed aggregates. *Rheologica Acta*, 62(7), 405-416.
- Irianto, I. D. K., Purwanto, P., & 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.
- Iskandar, B., Tartilla, R., Lukman, A., Leny, L., & Surboyo, M. D. C. (2022). Uji Aktivitas Anti-aging Mikroemulsi Minyak Nilam (*Pogostemon cablin* Benth.). *Majalah Farmasetika*, 7(1), 52-64.
- Ismayanti, A. N. (2022). Review Artikel Formulasi dan Uji Stabilitas Fisik Sediaan Masker Gel Peel-off sebagai Antioksidan dari Berbagai Ekstrak Tumbuhan. *Journal of Pharmacopolium*, 5(2).
- Kartika, S. D., Suci, P. R., Safitri, C. I. N. H., & Kumalasari, N. D. (2021). Formulasi Sediaan Masker Gel Peel Off Ekstrak Temu Putih (*Curcuma zedoaria*) sebagai Anti Jerawat. In *Prosiding SNPBS (Seminar Nasional Pendidikan Biologi dan Saintek)* (pp. 351-358).
- Krisya, O. G. (2022). *Pengaruh Konsentrasi PVA Terhadap Aktivitas Antioksidan Dan Sifat Fisik Masker Gel Peel Off Ekstrak Etanolik Daun Putri Malu (*Mimosa pudica* L)* (Doctoral dissertation, Universitas Islam Sultan Agung Semarang).
- Kuncari, E. S., Iskandarsyah, & Praptiwi. (2014). Evaluasi, Uji Stabilitas Fisik Dan Sineresis Sediaan Gel Yang Mengandung Minoksidil, Apigenin dan Perasan Herba Seledri (*Apium Graveolens* L.). *Bul. Penelit. Kesehatan*, 3(2), 58–66.
- Kusuma, T. M., Azalea, M., Dianita, P., & Syifa, N. (2018). Pengaruh variasi jenis dan konsentrasi gelling agent terhadap sifat fisik gel hidrokortison. *Jurnal Farmasi Sains dan Praktis*, 44-49.
- Le François, B., Soo, J., Millar, A. M., Daigle, M., Le Guisquet, A. M., Leman, S., Minier, F., Belzung, C., & Albert, P. R. (2015). Chronic mild stress and antidepressant treatment alter 5-HT1A receptor expression by modifying DNA methylation of a conserved Sp4 site. *Neurobiology of disease*, 82, 332–341. <https://doi.org/10.1016/j.nbd.2015.07.002>.
- Lee, G. and Han, S. (2018) ‘The Role of Vitamin E in Immunity’, *Nutrients*, 10(11), p. 1614. <https://doi:10.3390/nu10111614>.
- Listiawan, M. Y. (2021). *Penuaan Dini Kulit Etiopatogenesis dan Implikasi Klinis*.
- Liu, B., Zhang, J., & Guo, H. (2022). Research Progress of Polyvinyl Alcohol Water-Resistant Film Materials. *Membranes*, 12(3), 347. <https://doi.org/10.3390/membranes12030347>.

- Lucida, H., Fitri, E., Pitricia, D., & Hosiana, V. (2017). Formulasi Masker Peel-off dari Ekstrak Etanol Kulit Buah Asam Kandis (*Garcinia cowa*, Roxb) dan Uji Aktivitas Antioksidannya. *Jurnal sains dan teknologi farmasi*, 19(01).
- Madan, J., & Singh, R. (2010). Formulation and Evaluation of Aloe vera Topical Gels. *Int. J. Ph. Sci*, 2(2), 551-555.
- Melfa, F., Siragusa, D., Caruso, D., Faro, C. L., Nicoletti, G. F., & Rauso, R. (2020). At-home Cosmeceutical Application and Outpatient Treatments: A 3D Stepwise Facial Rejuvenation Approach. *Open Access Macedonian Journal of Medical Sciences*, 8(B), 1041-1046.
- Meng, L., Yang, S., & Yang, S. (2021). Influence of Freeze-Thaw Cycles on Tensile Strength and Fracture Toughness of Concrete. In *Hydraulic and Civil Engineering Technology VI* (pp. 79-88). IOS Press.
- Merwanta, S., Yandrizmal, Y., Finadia, Y., & Rasyadi, Y. (2019). Formulasi Sediaan Masker Peel Off Dari Ekstrak Daun Alpukat (*Persea americana* Mill). *JAFP (Jurnal Akademi Farmasi Prayoga)*, 4(2), 31-41.
- Mollet, H. Grubenmann. (2001). *Formulation Technology: Emulsion, Suspensions, Solid Forms*. Wiley-VCH Verlag.
- Mursal, I. L. 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.
- Nair, M. S., Upadhyaya, I., Amalaradjou, M. A. R., & Venkitanarayanan, K. (2016). Antimicrobial food additives and disinfectants: Mode of action and microbial resistance mechanisms. *Foodborne pathogens and antibiotic resistance*, 275-301.
- National Center for Biotechnology Information (2024). PubChem Compound Summary for CID 7618, Triethanolamine. Retrieved November 6, 2024 from <https://pubchem.ncbi.nlm.nih.gov/compound/Triethanolamine>.
- National Center for Biotechnology Information (2024). PubChem Compound Summary for CID 6049, Edetic Acid. Retrieved November 6, 2024 from <https://pubchem.ncbi.nlm.nih.gov/compound/Edetic-Acid>.
- National Center for Biotechnology Information (2024). PubChem Compound Summary for CID 5468522, Bakuchiol. Retrieved November 6, 2024 from <https://pubchem.ncbi.nlm.nih.gov/compound/Bakuchiol>.
- Ningrum, W. A. (2018). Pembuatan Dan Evaluasi Fisik Sediaan Masker Gel Peel-Off Ekstrak Etanol Daun Teh (*Camellia sinensis* L.). *Jurnal Farmasi Sains dan Praktis*, 4(2), 57-61.
- Nofriyanti, R. R., Suhery, W. N., Agistia, N., & Muhtadi, W. K. (2022). Formulasi dan Evaluasi Masker Gel Peel-off Ekstrak Kulit Buah Naga Merah. *Jurnal Penelitian Farmasi Indonesia*, 11, 2.
- Nurulhasni, D., & Suparno, S. (2023). Homemade BIOPLASTICS (Biodegradable Plastic From Cassava Peel Waste) with Analysis of the Effect of Glycerol and Cellulose Ratio on Tensile Strength, Elongation, and Thickness. *JST (Jurnal Sains dan Teknologi)*, 12(1), 56-64.

- Pradiningsih, A., & Mahida, N. N. (2019). Uji Formulasi Sediaan Masker Gel Peel Off Ekstrak Daun Pepaya (*Carica papaya* L.). *FITOFARMAKA: Jurnal Ilmiah Farmasi*, 9(1), 40-46.
- Pratiwi, L., & Wahdaningsih, S. (2018). Formulasi dan aktivitas antioksidan masker wajah gel peel off ekstrak metanol buah pepaya (*Carica papaya* L.). *Jurnal Farmasi Medica/Pharmacy Medical Journal (PMJ)*, 1(2).
- Priani, S. E., Irawati, I., & Darma, G. C. (2015). Formulasi Masker Gel Peel-Off Kulit Buah Manggis (*Garcinia mangostana* Linn.). *Indonesian Journal of Pharmaceutical Science and Technology*, 2(3), 90-95.
- Purnomo, H., & Syamsul, E. S. (2017). Statistika farmasi (aplikasi praktis dengan SPSS). Grafitia Indah. Yogyakarta.
- Puspita, W., & Puspasari, H. (2022). Physical Stability and Antioxidant Activity of Pee-Off Gel Mask Ethanol Extract of Buas-buas Leaf (*Premna serratifolia* L.). *Majalah Obat Tradisional*, 27(2), 93-100.
- Putri, S. Y., Isadiartuti, D., Isnaeni, Fahreza, A. F., Mulyanto Putri, A. V., Diana, Z., Fatihah, N. N., Rekyadji Arimbawa, I. G., Fakhirah, A., Wijayanata, T. N., Pangestu, M. P., Firdanthi, A., Addriana, O., & Rohma, U. A. (2024). Efektivitas Sediaan Soft Capsule Vitamin E sebagai Antioksidan. (Indonesian). *Berkala Ilmiah Kimia Farmasi*, 11(1), 5–11. <https://doi.org/10.20473/bikfar.v11i1.51902>.
- Puyana, C., Chandan, N., & Tsoukas, M. (2022). Applications of bakuchiol in dermatology: Systematic review of the literature. *Journal of cosmetic dermatology*, 21(12), 6636-6643.
- Rowe, R. C., Sheskey, P., & Quinn, M. (2009). Handbook of pharmaceutical excipients. Libros Digitales-Pharmaceutical Press.
- Salmannejad, F., Qorab, H., & Ghari, T. (2024). Formulation, characterization and optimization of peel-off gel of soybean extract as a face mask. *Tropical Journal of Natural Product Research*, 8(3), 6544-6551.
- Samsul, E., Jumain, J., & Sinala, S. (2022). Formulasi Masker Gel Peel Off Ekstrak Kulit Buah Langsung (*Lansium domesticum* L) dengan Variasi PVA (Polivinil Alkohol). *Jurnal Mandala Pharmacon Indonesia*, 8(2), 151–164.
- Saputra, S. A., Lailiyah, M., & Erivina, A. (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.
- Seo, E., Oh, Y. S., Kim, D., Lee, M. Y., Chae, S., & Jun, H. S. (2013). Protective role of *Psoralea corylifolia* L. seed extract against hepatic mitochondrial dysfunction induced by oxidative stress or aging. *Evidence-Based Complementary and Alternative Medicine*, 2013(1), 678028.
- Septiani, S., Wathoni, N., & Mita, S. R. (2011). Formulasi sediaan masker gel antioksidan dari ekstrak etanol biji melinjo (*Gnetum gnemon* Linn.). *Jurnal Unpad*, 1(1), 4-24.
- Septiosari A, dkk. (2014). "Pembuatan Dan Karakterisasi Bioplastik Limbah Biji Mangga Dengan Penambahan Selulosa Dan Gliserol". *Indo. J. Chem. Sci.* 3 (2) (2014) ISSN NO 2252-6951

- Sheskey, P. J., Cook, W. G., & Cable, C. G. (2017). Handbook of pharmaceutical excipients. (No Title).
- Silvia, B. M., & Dewi, M. L. (2022). Studi literatur pengaruh jenis dan konsentrasi basis terhadap karakteristik masker gel peel off. *Jurnal Riset Farmasi*, 31-40.
- Sivaraman, A., Ganti, S. S., Nguyen, H. X., Birk, G., Wieber, A., Lubda, D., & Banga, A. K. (2017). Development and evaluation of a polyvinyl alcohol based topical gel. *Journal of Drug Delivery Science and Technology*, 39, 210–216. <https://doi.org/10.1016/J.JDDST.2017.03.021>.
- Sunardi, S. H., & Mukimin, A. (2014). Pengembangan metode analisis parameter minyak dan lemak pada contoh uji air. *Jurnal Riset Teknologi Pencegahan Pencemaran Industri*, 5(1), 1-6.
- Sunnah, I., Erwiyani, A. R., Pratama, N. M., & Yunisa, K. O. (2019). Efektivitas komposisi polivynil alkohol, propilenglikol dan karbomer terhadap optimasi masker gel peel-off nano ekstrak daging buah labu kuning (*Cucurbita maxima* D). *JPSCR: Journal of Pharmaceutical Science and Clinical Research*, 4(2), 82-94.
- 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.
- Susanti, L., & Kusmiyarsih, P. (2011). Formulasi dan Uji Stabilitas Krim Ekstrak Etanolik Daun Bayam Duri (*Amaranthus spinosus* L.). Universitas Setia Budi. Surakarta.
- Syakri, S., Ismail, I., Amal, N. M., Masjidi, N. A., & Tahir, K. A. (2021). Characterization and anti-aging tests of peel-off gel masks made from ethanolic extract of yarrow (*Achillea millefolium*). *Open Access Macedonian Journal of Medical Sciences*, 9(A), 1156-1161.
- Tang, X., Duan, W., Xu, K., & Zheng, C. (2022). Three-dimensional network gel structure and viscosity reduction mechanism of heavy oil. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 653, 130060. <https://doi.org/10.1016/J.COLSURFA.2022.130060>.
- 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(0), 157-166.
- Taufiq, A., Mufti, N., Hidayat, N., Rugmai, S., Soontaranon, S., & Putra, E. G. R. (2017). Analysis of Distribution of Polyvinyl Alcohol Hydrogel Nanocrystalline by using SAXS Synchrotron. In *IOP Conference Series: Materials Science and Engineering* (Vol. 202, No. 1, p. 012041). IOP Publishing.
- Thewanjutiwong, S., Phokasem, P., Disayathanoowat, T., Juntrapirom, S., Kanjanakawinkul, W., & Chaiyana, W. (2023). Development of Film-Forming Gel Formulations Containing Royal Jelly and Honey Aromatic Water for Cosmetic Applications. *Gels (Basel, Switzerland)*, 9(10), 816. <https://doi.org/10.3390/gels9100816>.

- 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), 111-118.
- Vieira, R. P., Fernandes, A. R., Kaneko, T. M., Consiglieri, V. O., Pinto, C. A. S. D. O., Pereira, C. S. C., ... & Velasco, M. V. R. (2009). Physical and physicochemical stability evaluation of cosmetic formulations containing soybean extract fermented by *Bifidobacterium animalis*. *Brazilian Journal of Pharmaceutical Sciences*, *45*, 515-525.
- Wahyuningsih, E. S. (2023). *Bahan Alami Penghambat Jerawat Kombinasi Ekstrak Daun Kelor dan Sirih Merah-Jejak Pustaka*. Cetakan I. Jejak Pustaka. Bantul.
- Wijaya, H., Syamsul, E. S., Octavia, D. R., Mardiana, L., Sentat, T., Rusnaeni, R., ... & Retno, E. K. (2023). *Farmasetika: Dasar-Dasar Ilmu Farmasi*. PT. Sonpedia Publishing Indonesia.