

DAFTAR PUSTAKA

- Adiwibowo, M. T. (2020). Aditif Sabun Mandi Berbahan Alami: Antimikroba dan Antioksidan. *Jurnal Integrasi Proses*, 9 (1), 29–36. <https://doi.org/https://dx.doi.org/10.36055/jip.v9i1.8397>.
- Aljohani, W. jumah, wenchao, li, Ullah, M. W., Zhang, X., & Yang, G. (2017). Application of Sodium Alginate Hydrogel. *IOSR Journal of Biotechnology and Biochemistry*, 03(3), 19–31. <https://doi.org/10.9790/264x-03031931>.
- Annisa, V., Sulaiman, T. N. S., Nugroho, A. K., & Nugroho, A. E. (2021). Review Sinergisitas Kombinasi Polimer Alami serta Pemanfaatan dalam Formulasi Obat. *Majalah Farmasetika*, 6 (5), 436–461. <https://doi.org/10.24198/mfarmasetika.v6i5.35935>.
- Asian Development Bank. (2016). *Indonesia Country Water Assessment*. ASIAN DEVELOPMENT BANK.
- Awadhiya, A., Kumar, D., & Verma, V. (2016). Crosslinking of Agarose Bioplastic Using Citric Acid. *Carbohydrate Polymers*, 151, 60–67. <https://doi.org/https://doi.org/10.1016/j.carbpol.2016.05.040>.
- Bhaisare, M. L., Pandey, S., Khan, M. S., Talib, A., & Wu, H.-F. (2015). Fluorophotometric Determination of Critical Micelle Concentration (CMC) of Ionic and Non-Ionic Surfactants with Carbon Dots Via Stokes Shift. *Talanta*, 132, 572–578. <https://doi.org/https://doi.org/10.1016/j.talanta.2014.09.011>.
- BNPB Data. (2023). *Kekeringan di Pulau Jawa*. Badan Nasional Penanggulangan Bencana. https://data.bnpb.go.id/pages/kekeringan-pulau-jawa?utm_source=.
- Darwis, D., & Nurlidar, F. (2010). Pengembangan Hidrogel Berbasis Polivinil Prolidon (PVP) Hasil Iradiasi Berkas Elektron Sebagai Plester Penurun Demam. *Jurnal Sains Dan Teknologi Nuklir Indonesia*, 11(2), 57–66.
- Davis, I., & Alexander, D. (2015). *Recovery from Disaster* (1st Edition). Routledge. <https://doi.org/https://doi.org/10.4324/9781315679808>.
- Dharmayanti, N., Mufida, N., Permadi, A., Asriani, Salampessy, R. B., Nurbani, S. Z., & Indriati, N. (2021). Penambahan Konsentrasi Alginat dari *Sargassum Polycystum* Untuk Formulasi Krim Lulur. *Jurnal Akuatek*, 2 (2), 81–94. <https://doi.org/https://doi.org/10.24198/akuatek.v2i2>.

- Dzodzomenyo, M., Asamoah, M., Li, C., Kichana, E., & Wright, J. (2022). Impact of Flooding on Microbiological Contamination of Domestic Water Sources: A Longitudinal Study in Northern Ghana. *Applied Water Science*, 12 (10), 235. <https://doi.org/10.1007/s13201-022-01757-6>.
- Fransiska, D., & Reynaldi, A. (2020). Karakteristik Hidrogel dari IOATA Karaginan dan PVA (Poly-Vinyl Alcohol) dengan Metode Freezing-Thawing Cycle. *Jambura Fish Processing Journal*, 1 (1), 24–34. <https://doi.org/10.37905/jfpj.v1i1.4503>.
- Gusviputri, A., Meliana P. S, N., Aylilianawati, & Insraswati, N. (2013). Pembuatan Sabun dengan Lidah Buaya (*Aloe vera*) sebagai Antiseptik Alami. *Widya Teknik*. 12 (1):11-21.
- Hafid, M., Setiawati, H., Pratiwi, I., Laspin, S., & Audia, D. (2019). Formulasi dan Uji Stabilitas Fisik Gel Ekstrak Etil Asetat Daun Sirih Hijau (*Piper betle* L.) Menggunakan Variasi Gel. *Journal Pharmacy and Sciences*, 11 (2), 40–53.
- Hartono, D., Sulasmi, A., Oktaviani, A. D., Ismanur, R. P., & Sipatuhar, Y. H. (2021, June 5). Fortifikasi Natrium Alginat dan Ekstrak Lavender terhadap Formulasi Skin Lotion. *Prosiding Simposium Nasional VIII Kelautan Dan Perikanan*.
- IFRC. (2023, August). *Drought Due to El Nino and IOD Phenomena*. International Federation of Red Cross and Red Crescent Societies.
- Kang, S. Y., Um, J. Y., Chung, B. Y., Lee, S. Y., Park, J. S., Kim, J. C., Park, C. W., & Kim, H. O. (2022). Moisturizer in Patients with Inflammatory Skin Diseases. *Medicina (Lithuania)*, 58(7), 1–17. <https://doi.org/10.3390/medicina58070888>.
- Kartika, R., Gadri, A., & Darma, G. C. E. (2015, Agustus). Formulasi Basis Sediaan Pembalut Luka Hidrogel dengan Teknik Beku Leleh Menggunakan Polimer Kappa Karagenan. *Prosiding Riset SPeSIA*.
- Kusumaningsih, T., Masykur, A., Aninditha, A. S., & Utami, M. R. (2022). Preparation and Characterization of PVA/Na-CMC Hydrogel from OPEFB Cross-Linked by Maleic Anhydride. *EduChemia (Jurnal Kimia Dan Pendidikan)*, 7(1), 36–55. <https://doi.org/10.30870/educhemia.v7i1.12637>.
- Li, H., Kruteva, M., Mystek, K., Dulle, M., Ji, W., Pettersson, T., & Wågberg, L. (2020). Macro- and Microstructural Evolution during Drying of Regenerated Cellulose Beads. *ACS Nano*, 14, 6774–6784. <https://doi.org/10.1021/acsnano.0c00171>.

- Mappa, T., Edy, H. J., & Kojong, N. (2013). Formulasi Gel Ekstrak Daun Sasaladahan (*Peperomia pellucida* (L.) H.B.K) dan Uji Efektivitasnya Terhadap Luka Bakar Pada Kelinci (*Oryctolagus cuniculus*). *Pharmacon*, 2(2). <https://doi.org/https://doi.org/10.35799/pha.2.2013.1606>.
- Nazdrajic, S., & Bratovcic, A. (2019). The Role of Surfactans in Liquid Soaps and Its Antimicrobial Propeties. *International Journal of Advanced Research*, 7(12), 501–507. <https://doi.org/10.21474/IJAR01/10175>.
- N, D., Pal, M., & Roy, U. (2014). A Review on Hydrogel as Drug Delivery System. *World Journal of Pharmaceutical Research*, 13, 578–599.
- Nie, Z., Peng, K., Lin, L., Yang, J., Cheng, Z., Gan, Q., Chen, Y., & Feng, C. (2023). A Conductive Hydrogel Based on Nature Polymer Agar with Self-Healing Ability and Stretchability for Flexible Sensors. *Chemical Engineering Journal*, 454(1). <https://doi.org/https://doi.org/10.1016/j.cej.2022.139843>.
- Odziomek, K., Drabczyk, A. K., Kościelniak, P., Konieczny, P., Barczewski, M., & Bialik-Wąs, K. (2024). The Role of Freeze-Drying as a Multifunctional Process in Improving the Properties of Hydrogels for Medical Use. *Pharmaceuticals*, 17(11), 1–19. <https://doi.org/10.3390/ph17111512>.
- Pinto, B. D. S., Ronsin, O., & Baumberger, T. (2023). Syneresis of Self-Crowded Calcium–Alginate Hydrogels as A Self-Driven Athermal Aging Process. *Soft Matter*, 19(9), 17200–17311. <https://doi.org/10.1039/D2SM01496C>.
- Pradana, S. M. (2021). Sintesa dan Karakterisasi Hidrogel dari Natrium Alginat dan Ekstrak Belimbing Wuluh Pada Textile Wound Dressing. *Arena Tekstil*, 36(1), 1–6. <https://doi.org/10.31266/at.v36i1.6862>.
- Rahayuningdyah, D. W., 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>.
- Ramadhani, F., Pasaribu, S. P., & Panggabean, A. S. (2023, October). Sintesis dan Sifat Swelling Hidrogel Berbasis Kitosan Terikat Silang Formaldehida dan Tripolifosfat. *Prosiding Seminar Nasional Kimia Jurusan Kimia FMIPA UNMUL*. <https://doi.org/https://doi.org/10.17509/ci.v2i1.47624>.

- Rashati, D., Falahi, A., C.E, M., Rohman D, A., & Maulani, D. (2024). Formulasi dan Uji Stabilitas Fisik Sediaan Gel Ekstrak Kulit Buah Pisang (*Musa acuminata* Colla) dengan Variasi *Enhacer*. *Jurnal Ilmiah Farmasi Akademi Farmasi*, 7(1), 133–141.
- Rosmainar, L. (2021). Formulasi dan Evaluasi Sediaan Sabun Cair dari Ekstrak Daun Jeruk Purut (*Citrus hystrix*) dan Kopi Robusta (*Coffea canephora*) serta Uji Cemar Mikroba. *Jurnal Kimia Riset*, 6(1), 58. <https://doi.org/10.20473/jkr.v6i1.25554>.
- Sari, L. K., Bekti, E., & Sani, E. Y. (2019). *Jenis Bahan Penstabil Terhadap Fisikokimia dan Organoleptik pada Leather Labu Air (Lagenaria Siceraria)*. Universitas Semarang.
- Selviana, G. A., & Haryanto. (2022). Pengaruh Penambahan Carboxymethyl Cellulose terhadap Karakteristik Hidrogel Film Polivinil Alkohol sebagai Aplikasi Pembalut Luka dengan Chemical Crosslinking Method. 23(2), 121–130. <https://doi.org/10.30595/techno.v23i2.14196>.
- Some, S., Mondal, R., Mitra, D., Jain, D., Verma, D., & Das, S. (2021). Microbial Pollution of Water with Special Reference to Coliform Bacteria and Their Nexus with Environment. *Energy Nexus*, 1, 1–9. <https://doi.org/10.1016/j.nexus.2021.100008>.
- Suryono, C., Ningrum, L., & Dewi, T. R. (2018). Uji Kesukaan dan Organoleptik Terhadap 5 Kemasan Dan Produk Kepulauan Seribu Secara Deskriptif. *Jurnal Pariwisata*, 5(2), 95–106. <https://doi.org/10.31311/par.v5i2.3526>.
- Szulc-Musioł, B., Siemiradzka, W., & Dolińska, B. (2023). Formulation and Evaluation of Hydrogels Based on Sodium Alginate and Cellulose Derivatives with Quercetin for Topical Application. *Applied Sciences (Switzerland)*, 13, 1–19. <https://doi.org/10.3390/app13137826>.
- Tarwendah, I. P. (2017). Comparative Study of Sensory Attributes and Brand Awareness in Food Product: A Review. *Jurnal Pangan Dan Agroindustri*, 5(2), 66–73.
- Tunggali, A. P. P. W., An Anilah, D. A., & Rahmawati, W. (2023). The Management of Water Crisis Issue in Local Water Company of Sleman. *E-Proceeding Conference: Indonesia Social Responsibility Award*, 1(1), 59–66. <https://doi.org/10.55381/isra.v1i1.162>.

Wardani, R. I., Wardani, T. S., & Fitriawati, A. (2024). Formulasi Dan Evaluasi Sabun Mandi Cair dengan Penambahan Filtrat Semangka (*Citrullus Lanatus* (Thunb.) Matsum & Nakai) sebagai Antioksidan dengan Metode DPPH. *Indonesian Journal of Pharmaceutical Education*, 4(1), 145–157. <https://doi.org/https://doi.org/10.37311/ijpe.v4i1.24749>.

Zulkifli, M., & Estiasih, T. (2014). Sabun dari Distilat Asam Lemak Minyak Sawit: Kajian Pustaka. *Jurnal Pangan dan Agroindustri*. 2 (4):170-177.

