

DAFTAR PUSTAKA

- Abdurrahman, N. (2019). Kurkumin Pada Curcuma Longa Sebagai Tatalaksana Alternatif Kanker. *J Agromedicine*, 6, 410.
- Akhtar Nehal Ahmed, S., Ravindra Patil, S., Sadique Khan, M. K., & Shaban Khan, M. (2021). Tablet Coating Techniques: Concept and Recent Trends. *International Journal of Pharmaceutical Sciences Review and Research*, 66(1), 43–53. <https://doi.org/10.47583/ijpsrr.2021.v66i01.010>
- Aprilianti, N., & Sastyarina, Y. (2023). *Proceeding of Mulawarman Pharmaceuticals Conferences*. 26–27.
- Atika natalia, D., Dharmayati, N., & Roswita dewi, F. (2021). *The Production of Chitosan from Crab Shell (Portunus sp .) at Room Temperature*. 24, 301–309.
- Ayyubi, S. N., Kusmiyati, K., Purbasari, A., & Pratiwi, W. Z. (2021). Review: Aplikasi Material Komposit Berbasis Kitosan sebagai Bahan Kemasan Makanan. *Teknik*, 42(1), 335–352.
- Bobsaid, J., Windianto, F. R., Rizkyah, C., Shaffiqah, N., Kefarmasian, I., Farmasi, F., Airlangga, U., & Timur, J. (2023). *Improving the Bioavailability of Curcumin in Curcuma heyneana by Preparing Solid Dispersion*.
- Damayanti, A. A., Trisnawati, N. L. P., & Suyanto, H. (2020). Identifikasi Bilangan Gelombang Daun Sirih (Piper sp.) Menggunakan Metode Spektroskopi Fourier Transform Infrared (FTIR) dan Principal Component Analysis (PCA). *Buletin Fisika*, 22(2), 60. <https://doi.org/10.24843/bf.2021.v22.i02.p02>
- Didik, L. A. (2020). Penentuan Ukuran Butir kristal cucr0,98ni0,02o2 dengan Menggunakan x-ray diffraction (xrd) dan scanning electron microscope (SEM). *Indonesian Physical Review*, 3(1), 6–14.
- Fajria, T. R., & Nuwarda, R. F. (2018). Teknologi Sediaan Oral Lapis Tipis Terlarut Cepat (Fast Dissolving Film). *Majalah Farmasetika*, 3(3), 58.
- Fira waluyo, A., & Sabarman, H. (2019). X Y. *Fabrikasi Fiber Ppolyvinyl Alcohol (pva) dengan Elektrospinning*, 5(1), 88–98.
- Firda Rizki Nurzulla, W., & Kartika Maharani, D. (2022). Mechanical Properties of Film Chitosan/Pva With Silver Substituted Zeolite As Active Packaging. *UNESA Journal of Chemistry*, 11(1), 61–68.
- Gemiralda, R. M., Marlaokta, M., & Marlaokta, M. (2019). Efek Neuroprotektor Kunyit pada Pasien Alzheimer. *Jurnal Ilmu Keperawatan Jiwa*, 2(3), 171. <https://doi.org/10.32584/jikj.v2i3.431>
- Handoko, F., & Yusuf, Y. (2021). Synthesis and physicochemical properties of poly(Vinyl) alcohol nanocomposites reinforced with nanocrystalline cellulose from tea (camellia sinensis) waste. *Materials*, 14(23).
- Husni, P., Junaedi, J., & Gozali, D. (2020). Potensi Kitosan Bersumber dari Limbah Cangkang Rajungan (Portunus pelagicus) dalam Bidang Farmasi. *Majalah Farmasetika*, 5(1), 32–38. <https://doi.org/10.24198/mfarmasetika.v5i1.23804>
- Isnaeni, N. L., Trisna Wulandari, W., & Alifiar, I. (2021). Pembuatan dan Karakterisasi Kokristal Kurkumin dengan Asam Askorbat Sebagai Koformer. *Prosiding Seminar Nasional Diseminasi Penelitian*, 1(1), 122–129.
- Jiménez-Gómez, C. P., & Cecilia, J. A. (2020). Chitosan: A Natural Biopolymer with a Wide and Varied Range of Applications. *Molecules*, 25(17). <https://doi.org/10.3390/molecules25173981>
- Kapelle, I. B. D., & Manalu, W. (2020). Pengaruh Metode Proses Sintesis Analog Kurkumin

- Asimetris Terhadap Efek Hepatoprotektif Mencit (*Mus musculus* L.). *Jurnal Bioteknologi & Biosains Indonesia (JBBi)*, 7(2), 215–225. <https://doi.org/10.29122/jbbi.v7i2.4206>
- Khalandar, D., Dada Khalandar, S., Adithya, T. N., Jilani Basha, S., Koshma, M., Subbareddy, U. V., Jaya, V., & Reddy, S. (2018). International Journal of Pharmaceutical, Chemical and Biological Sciences a Current Review on Curcuma Longa Linn. Plant. *International Journal of Pharmaceutical, Chemical, and Biological Sciences*, 8(1), 68–73. www.ijpcbs.com
- Kusumawati, D. H. (2022). *Nanofiber PVA / Kitosan Sebagai Wound Dressing*. 11, 26–34.
- Liu, B., & Zhang, J. (2022). *Research Progress of Polyvinyl Alcohol Water- Resistant Film Materials Figure 1 . The structural formula of PVA . PVA resin is obtained by the hydrolysis of polyvi ccess of alcoholysis of PVAc , part of the alcoholysis gen physical and chemical properties d*. 1–13.
- Maulidina, H. (2019). *Formulasi Masker Peel Off Ekstrak Etanol Kulit Buah Naga Merah (Hylocereus Polyrhizus) Using Polynyl Alcohol (PVA)*, XV(2), 1–13.
- Muhammad Sultan Ramadhan, & Uci Ary Lantika. (2022). Kajian Sediaan Orally Dissolving Film (ODF). *Jurnal Riset Farmasi*, 89–96.
- Muñoz-Tebar, N., Pérez-Álvarez, J. A., Fernández-López, J., & Viuda-Martos, M. (2023). Chitosan Edible Films and Coatings with Added Bioactive Compounds: Antibacterial and Antioxidant Properties and Their Application to Food Products: A Review. *Polymers*, 15(2).
- Nugraha, M. I. A., Harfiani, E., & Pramesyanti, A. (2022). Systematic Review : Potensi Kurkumin Dalam Rimpang Kunyit (*Curcuma Longa* Linn) Sebagai Anti-Inflamasi Pada Gastritis Akibat Infeksi *Helicobacter Pylori*. *Seminar Nasional Riset Kedokteran, 2022*.
- Oliveira Filho, J. G., & Egea, M. B. (2022). Edible Bioactive Film with Curcumin: A Potential “Functional” Packaging? In *International Journal of Molecular Sciences* (Vol. 23, Issue 10). MDPI. <https://doi.org/10.3390/ijms23105638>
- Philippe. (2019). Polyvinyl Alcohol (PVA) for Tablet Coating Applications: Enhancing Formulation Flexibility. *Pharma Excipients.*, 4997.
- Pratama, Y., Miranda, M., Hintono, A., Darwis, I., Graharti, R., & Asthri, A. L. (2019). Karakteristik Edible Film Aloe vera dengan Emulsi Extra virgin Olive oil. *Majority*, 8(1), 381.
- Pristiwani, Q. (2023). Uji toksisitas kitosan Cangkang Kepiting Rajungan (*portunus pelagicus*) dan Kepiting Bakau (*scylla serrata*) dengan metode *brine shirmp lethality test (BSLT) Qisti*, 6(2), 862–878.
- Riyadi, S. A., Abdullah, F. F., Fadhilah, F., & Assidiqiah, N. (2022). Aktivitas Antikanker Kurkuminoid Terhadap Sel Melanoma B16-F10. *Jurnal Ilmiah Farmako Bahari*, 13(2), 152. <https://doi.org/10.52434/jfb.v13i2.1458>
- Sampath, T. M., Gunathilake, U., Chee, Y., Hock, C., Abd, N., & Nai-shang, L. (2020). Journal of Drug Delivery Science and Technology pH-responsive poly (lactic acid)/ sodium carboxymethyl cellulose fi lm for enhanced delivery of curcumin in vitro. *Journal of Drug Delivery Science and Technology*, 58(April), 101787. <https://doi.org/10.1016/j.jddst.2020.101787>
- Sari, S. R., Baehaki, A., & Lestari, S. D. (2019). Pemanfaatan Kitosan dengan Variasi Gula sebagai Potensi Pengawet Alami Makanan (Pengujian Bakteri *Pseudomonas aeruginosa* dan *Bacillus subtilis*). *Prosiding Seminar Nasional II Hasil Litbangyasa Industri*, 190–195.
- Silalahi, A. M., Fadholah, A., & Artanti, L. O. (n.d.). ISolasi dan Identifikasi Kitin dan Kitosan dari Ccangkang susuh kura (*Sulcospira testudinaria*). 4(1), 1–9.
- Suprihatin, T., Rahayu, S., Rifa’i, M., & Widyarti, S. (2020). Senyawa pada Serbuk Rimpang Kunyit (*Curcuma longa* L.) yang Berpotensi sebagai Antioksidan. *Buletin Anatomi Dan*

Fisiologi, 5(1), 35–42.

- Urosevic, M., Nikolic, L., Gajic, I., Vesna, N., Ana, D., & Miljkovic, V. (2022). Curcumin : Biological Activities and Modern. *Antibiotics (Basel)*. <https://doi.org/10.3390/antibiotics11020135>
- Gupta, S. C., et al. (2020). Pharmacological basis for the role of curcumin in chronic diseases: An age-old spice with modern targets. *Trends in Pharmacological Sciences*, 41(7), 501-518.
- Smith, A., et al. (2018). Curcumin encapsulated pH-responsive nanoparticle-based smart drug delivery system: Preparation and characterization. *Journal of Drug Delivery Science and Technology*, 42, 74-81.
- Ayu, N., Jumiaty, E., & Husnah, M. (2023). Analisis Uji Mekanik Bioplastik Berbahan Pati Tepung Sagu- Kitosan Dan Sorbitol. *Journal Online of Physics*, 8(3), 47–50.
- Bambang, P., Sjaifullah, A., Rahmawati, I., & Nurhianto, E. (2017). 6195-21192-1-Pb. 2(2), 77–85.
- Dewi, W. A., & Mulya, D. (2019). Formulasi Dan Evaluasi Sifat Fisik Serta Uji Stabilitas Sediaan Edible Film Ekstrak Etanol 96 % Seledri (*Apium graveolens L*) Sebagai Penyegar Mulut Formulation and Evaluation of Physical Properties and Stability Test of Edible Film Oral dissolving film. *Indonesia Natural Research Pharmaceutical Journal*, 4(2), 32–40.
- Grigorov, A., Viraneva, A., Marudova, M., & Yovcheva, T. (2021). Effect of pH and ionic strength of chitosan/casein and casein/chitosan multilayers on curcumin release. *Journal of Physics: Conference Series*, 1762(1).
- Maharani, D. K., & Safitri, R. D. (2022). KARAKTERISASI FILM PVA/KITOSAN/ZEOLIT TERSUBSTITUSI ION Ag⁺ BERPOTENSI SEBAGAI KEMASAN AKTIF. *Unesa Journal of Chemistry*, 11(1), 46–52.
- Mahmudah, R., Nada, U. Q., & Aulia, S. (2023). Analisis Kadar Kurkumin pada Herbal Oil Kunyit Ekstrak Virgin Coconut Oil dengan Metode Ultrasonik dan Maserasi. *KOVALEN: Jurnal Riset Kimia*, 9(1), 92–99.
- Priyadarsini, K. I. (2014). The chemistry of curcumin: From extraction to therapeutic agent. *Molecules*, 19(12), 20091–20112.
- Sarmiento, B., Ferreira, D., Veiga, F., & Ribeiro, A. (2006). Characterization of insulin-loaded alginate nanoparticles produced by ionotropic pre-gelation through DSC and FTIR studies. *Carbohydrate Polymers*, 66(1), 1–7. <https://doi.org/10.1016/j.carbpol.2006.02.008>
- Vimala, K., Yallapu, M. M., Varaprasad, K., Reddy, N. N., Ravindra, S., Naidu, N. S., & Raju, K. M. (2011). Fabrication of Curcumin Encapsulated Chitosan-PVA Silver Nanocomposite Films for Improved Antimicrobial Activity. *Journal of Biomaterials and Nanobiotechnology*, 02(01), 55–64.