

DAFTAR PUSTAKA

- Arifani, T., dan Abraha, K. 2013. *Kajian Pengaruh Penambahan Nanopartikel Perak (AgNPs) Terhadap Respon Instrumen Sensing Berbasis Surface Plasmon Resonance (SPR)*. 3(1), 47–54.
- Badawy, M., Lotfy, T., dan Shawir, S. 2019. Preparation and antibacterial activity of chitosan-silver nanoparticles for application in preservation of minced meat. *Bulletin of the National Research Centre*, 43. <https://doi.org/10.1186/s42269-019-0124-8>
- Ceramella, J., Iacopetta, D., Catalano, A., Cirillo, F., Lappano, R., dan Sinicropi, M. S. (2022). *A Review on the Antimicrobial Activity of Schiff Bases : Data Collection and Recent Studies*.
- Cui, J., Sun, Y., Wang, L., Miao, Q., Tan, W., dan Guo, Z. 2022. Preparation of l-Arginine Schiff Bases Modified Chitosan Derivatives and Their Antimicrobial and Antioxidant Properties. *Marine Drugs*, 20(11). <https://doi.org/10.3390/md20110688>
- Dedge, S., dan Mokashi, P. 2025. *Synthesis , Characterization and Antibacterial Assessment of Ciprofloxacin Conjugated Silver Nanoparticles*. 16(2), 1–12.
- Demirbas, A., dan Karsli, B. 2025. Innovative chitosan-silver nanoparticles : Green synthesis , antimicrobial properties , and migration assessment for food packaging. *Food Chemistry*, 467(August 2024), 142363. <https://doi.org/10.1016/j.foodchem.2024.142363>
- Devadoss, T. 2023. Synthetic applications of p -toluenesulfonyl chloride : A recent update. *Journal of Molecular Structure*, 1289(March), 135850. <https://doi.org/10.1016/j.molstruc.2023.135850>
- Dewi, A. P., Pramono, A. E., Hayatun, T., Indayaningsih, N., Pascasarjana, P., dan Jakarta, P. N. 2025. Analisis Citra Scanning Electron Microscopy dan Energy Dispersive X-Ray (SEM-EDX) pada Komposit Konduktif Berbasis PET-Grafit Abstrak. *SNIV: SEMINAR NASIONAL INOVASI VOKASI*, 4(1), 242–249.
- Englebienne, P., Hoonacker, A. Van, dan Verhas, M. 2003. *Surface plasmon resonance : principles , methods and applications in biomedical sciences*. 17, 255–273.
- Etebu, E., dan Ukpong, M. 2016. *Bacterial resistance to antibiotics : Update on molecular perspectives*. 4(October), 40–49.
- Etlingera, K. 2024. *UJI AKTIVITAS ANTIBAKTERI EKSTRAK BUNGA*. 10(1), 43–

50.

- Fatayati, I., Amanda, A. C., Nurhayati, E., Djohan, H., Sutriswanto, dan Komara, N. K. 2023. GAMBARAN CEMARAN MIKROBA TERHADAP MASA SIMPAN DAN KEBERSIHAN PENYIMPANAN TELUR AYAM RAS. *SENTRI: Jurnal Riset Ilmiah*, 2(5), 1674–1683.
- Haurissa, E. R. 2025. *Total Plate Count Analysis and Food-Contaminating Bacterial Identification of Smoked Tatihu (Thunnus albacares) Sold in Several Traditional Markets in Ambon , Indonesia Total Plate Count Analysis and Food-Contaminating Bacterial Identification of*. 60(3), 232–239.
- Hussein, Y., Obaid, R., Fathulla, A., Anwar, R., & Omer, L. 2024. Spectroscopic characteristics , stability, reactivity, and corrosion inhibition of AHPE-dop compounds incorporating (B, Fe, Ga, Ti): A DFT investigation. *Next Materials*, 3(February), 100184. <https://doi.org/10.1016/j.nxmte.2024.100184>
- Jumadewi, A., & Artikel, I. 2025. *PENGARUH PEMANASAN MEDIA NUTRIENT AGAR (NA) BERULANG TERHADAP UJI TOTAL PLATE COUNT (TPC) DI LABORATORIUM MIKROBIOLOGI JURUSAN TEKNOLOGI LABORATORIUM MEDIS Jurusan Teknologi Laboratorium Medis memiliki Laboratorium Bakteriologi yang*. 13(1), 298–305.
- Kitosan, P., Limbah, D., & Udang, C. 2008. *LEMAK KAMBING*. 12(1), 53–57.
- Lestari, N. W., & Budiharjo, A. (2016). *Bakteri heterotrof aerobik asal saluran pencernaan ikan sidat (Anguilla bicolor bicolor) dan potensinya sebagai probiotik*. 13(1), 9–17. <https://doi.org/10.13057/biotek/c130102>
- Liang, X., Haynes, B. S., & Montoya, A. 2018. Acid-Catalyzed Ring Opening of Furan in Aqueous Solution. *Energy & Fuels*, 32(4), 4139–4148. <https://doi.org/10.1021/acs.energyfuels.7b03239>
- Manuscript, A. 2013. *NIH Public Access*. 33(35), 8907–8916. <https://doi.org/10.1016/j.biomaterials.2012.08.046>. Arginine-Rich
- Martins, A. F., Facchi, S. P., Follmann, H. D. M., dan Pereira, A. G. B. 2014. *Antimicrobial Activity of Chitosan Derivatives Containing N -Quaternized Moieties in Its Backbone : A Review*. 20800–20832. <https://doi.org/10.3390/ijms151120800>
- Masta, N. 2020. *Buku Materi Pembelajaran Scanning Electron Microscopy*.
- Mehmood, A., Mubarak, N. M., Khalid, M., Walvekar, R., Abdullah, E. C., Siddiqui, M. T. H., Ahmed, H., Nizamuddin, S., dan Mazari, S. 2020. Journal of Environmental Chemical Engineering Graphene based nanomaterials for

- strain sensor application — a review. *Journal of Environmental Chemical Engineering*, 8(3), 103743. <https://doi.org/10.1016/j.jece.2020.103743>
- Nalawati, A. N., Suyatma, N. E., dan Wardhana, I. 2021. *EKSTRAK BIJI JARAK PAGAR DAN KAJIAN AKTIVITAS ANTIBAKTERINYA [Synthesis of Silver Nanoparticle (NPag) using Seed Aqueous Extract of Jatropha Curcas L and Their Anti-Bacterial Activity Assessment]*. 32(2), 98–106. <https://doi.org/10.6066/jtip.2021.32.2.98>
- Petroni, S., Tagliaro, I., Antonini, C., Arienzo, M. D., Orsini, S. F., Mano, F., Brancato, V., Cipolla, L., dan Hoppe-seyler, F. 2023. Chitosan-Based Biomaterials : Insights into Chemistry , Properties , Devices , and Their Biomedical Applications in 1894 by chitin. *Marine Drugs*, 21(47), 2–56.
- Risdiana, V., Maghfiroh, A. A., Dian, E., Wijaya, R., Muhtar, H., Sarjono, P. R., dan Windarti, T. 2025. Tuning carbonyl precursors in chitosan-based Schiff base composites as capping agents for silver nanoparticles to enhance antibacterial activity. *Journal of Macromolecular Science, Part A*, 0(0), 1–11. <https://doi.org/10.1080/10601325.2025.2549502>
- Schoonover, D. V, dan Gibson, H. W. 2017. Facile removal of tosyl chloride from tosylates using cellulosic materials , e . g ., filter paper. *Tetrahedron Letters*, 58(3), 242–244. <https://doi.org/10.1016/j.tetlet.2016.12.014>
- Shah, J., Patel, D., Rananavare, D., Hudson, D., Tran, M., Schloss, R., Langrana, N., Berthiaume, F., dan Kumar, S. 2025. *Recent Advancements in Chitosan-Based Biomaterials for Wound Healing*.
- Sharkawy, A., Filomena, M., dan Rodrigues, A. E. 2020. Chitosan-based Pickering emulsions and their applications : A review. *Carbohydrate Polymers*, 250(August), 116885. <https://doi.org/10.1016/j.carbpol.2020.116885>
- Shrestha, R., Thenissery, A., Khupse, R., dan Rajashekara, G. 2023. *Strategies for the Preparation of Chitosan Derivatives for Antimicrobial , Drug Delivery , and Agricultural*.
- Shukla, U. 2025. Fourier transform infrared spectroscopy : A power full method for creating fingerprint of molecules of nanomaterials. *Journal of Molecular Structure*, 1322(P2), 140454. <https://doi.org/10.1016/j.molstruc.2024.140454>
- Thadathil, N., & Velappan, S. P. 2014. Recent developments in chitosanase research and its biotechnological applications : A review. *FOOD CHEMISTRY*, 150, 392–399. <https://doi.org/10.1016/j.foodchem.2013.10.083>
- Theophanides, T. (1800). *Introductory Chapter Introduction to Infrared Spectroscopy*.

- Zhang, X., Liu, Z., Shen, W., dan Gurunathan, S. 2016. *Silver Nanoparticles : Synthesis , Characterization , Properties , Applications , and Therapeutic Approaches*. <https://doi.org/10.3390/ijms17091534>
- Rossi GAM, Pereira JG, Nitschke M. Epidemiology, Prevention and Control of Foodborne Microbial Pathogens. *Microorganisms*. 2025 Jun 20;13(7):1435. doi: 10.3390/microorganisms13071435. PMID: 40731945; PMCID: PMC12299575.
- World Health Organization. 2015. *WHO estimates of the global burden of foodborne diseases: Foodborne diseases burden epidemiology reference group 2007–2015*. World Health Organization.
- World Health Organization. 2015. *WHO's first ever global estimates of foodborne diseases find children under 5 account for almost one third of deaths*. World Health Organization.