

DAFTAR PUSTAKA

- Agastya, I. G., Darwinata, A. E., Pinatih, K. J., & Fatmawati, N. N. (2022). Prevalence of SCCMEC types I, II, III, and PVL gene among methicillin-resistant *Staphylococcus aureus* (MRSA) isolated from clinical specimens in Sanglah General Hospital. *Intisari Sains Medis*, 13(1), 254–257. <https://doi.org/10.15562/ism.v13i1.1215>
- Algammal, A. M., Hetta, H. F., Elkelish, A., Alkhalifah, D. H. H., Hozzein, W. N., Batiha, G. E. S., Nahhas, N. El, & Mabrok, M. A. (2020). Methicillin-resistant *staphylococcus aureus* (MRSA): One health perspective approach to the bacterium epidemiology, virulence factors, antibiotic-resistance, and zoonotic impact. *Infection and Drug Resistance*, 13, 3255–3265. <https://doi.org/10.2147/IDR.S272733>
- Ali Alghamdi, B., Al-Johani, I., Al-Shamrani, J. M., Musamed Alshamrani, H., Al-Otaibi, B. G., Almazmomi, K., & Yusnoraini Yusof, N. (2023). Antimicrobial resistance in methicillin-resistant *staphylococcus aureus*. In *Saudi Journal of Biological Sciences* (Vol. 30, Issue 4). Elsevier B.V. <https://doi.org/10.1016/j.sjbs.2023.103604>
- Aratani, T., Tsukamoto, H., Higashi, T., Kodawara, T., Yano, R., Hida, Y., Iwasaki, H., & Goto, N. (2021). Association of Methicillin Resistance with mortality of hospital-acquired *staphylococcus aureus* bacteremia. *Journal of International Medical Research*, 49(11), 030006052110588. <https://doi.org/10.1177/03000605211058872>
- Bar, M., Binduga, U. E., & Szychowski, K. A. (2022). Methods of Isolation of Active Substances from Garlic (*Allium sativum* L.) and Its Impact on the Composition and Biological Properties of Garlic Extracts. In *Antioxidants* (Vol. 11, Issue 7). MDPI. <https://doi.org/10.3390/antiox11071345>
- Belguith, H., Kthiri, F., Chaty, A., Abu Sofah, A., Ben Hamida, J., & Ladoulsi, A. (2010). Inhibitory effect of aqueous garlic extract (*Allium sativum*) on some isolated *Salmonella* serovars. *African Journal of Microbiology Research*, 4(5), 328-338.
- Cheung, G. Y. C., Bae, J. S., & Otto, M. (2021). Pathogenicity and virulence of *Staphylococcus aureus*. In *Virulence* (Vol. 12, Issue 1,

pp. 547–569). Bellwether Publishing, Ltd.
<https://doi.org/10.1080/21505594.2021.1878688>

Dharmapalan, D., Bielicki, J., & Sharland, M. (2023). Harmonization of Amoxicillin Dose, Duration, and Formulation for Acute Childhood Respiratory Infections. *Antibiotics*, 12(7).
<https://doi.org/10.3390/antibiotics12071138>

El-Saadony, M. T., Yang, T., Korma, S. A., Sitohy, M., Abd El-Mageed, T. A., Selim, S., Al Jaouni, S. K., Salem, H. M., Mahmmod, Y., Soliman, S. M., Mo'men, S. A. A., Mosa, W. F. A., El-Wafai, N. A., Abou-Aly, H. E., Sitohy, B., Abd El-Hack, M. E., El-Tarabily, K. A., & Saad, A. M. (2023). Impacts of turmeric and its principal bioactive curcumin on human health: Pharmaceutical, medicinal, and food applications: A comprehensive review. In *Frontiers in Nutrition* (Vol. 9). Frontiers Media S.A.
<https://doi.org/10.3389/fnut.2022.1040259>

Ezeh, C. K., Eze, C. N., Dibua, M. E. U., & Emencheta, S. C. (2023). A meta-analysis on the prevalence of resistance of *Staphylococcus aureus* to different antibiotics in Nigeria. In *Antimicrobial Resistance and Infection Control* (Vol. 12, Issue 1). BioMed Central Ltd. <https://doi.org/10.1186/s13756-023-01243-x>

Humaryanto, Hanina, Lipinwati, & Simanjuntak, C. A. (2020). Identification of SCCmec Methicillin-Resistant *Staphylococcus aureus* (MRSA) from hospitals' clinical samples in Jambi using Polymerase Chain Reaction (PCR). *Indonesian Journal of Tropical and Infectious Disease*, 8(2), 77-82. <https://e-journal.unair.ac.id/IJTID/>

Hoseini Alfatemi, S., Sharifi Rad, M., Iriti, M., & Sharifi-Rad, J. (2014). Antimicrobial synergic effect of allicin and silver nanoparticles on skin infection caused by methicillin-resistant *staphylococcus aureus* spp. *Annals of Medical and Health Sciences Research*, 4(6), 863. <https://doi.org/10.4103/2141-9248.144883>

Ingroff, A. E., Kerkering, T. M., Goldson, P. R., & Shadomy, A. S. (1991). Comparison Study of Broth Macrodilution and Microdilution Antifungal Susceptibility Tests. In *JOURNAL OF CLINICAL MICROBIOLOGY*.

Leng, B. F., Qiu, J. Z., Dai, X. H., Dong, J., Wang, J. F., Luo, M. J., Li, H. E., Niu, X. Di, Zhang, Y., Ai, Y. X., & Deng, X. M. (2011). Allicin reduces the production of α -toxin by *staphylococcus aureus*.

Molecules, 16(9), 7958–7968.
<https://doi.org/10.3390/molecules16097958>

- Mun, S. H., Kim, S. B., Kong, R., Choi, J. G., Kim, Y. C., Shin, D. W., Kang, O. H., & Kwon, D. Y. (2014). Curcumin reverse methicillin resistance in staphylococcus aureus. *Molecules*, 19(11), 18283–18295. <https://doi.org/10.3390/molecules191118283>
- Nakamoto, M., Kunimura, K., Suzuki, J., & Kodera, Y. (2019). Antimicrobial properties of hydrophobic compounds in garlic: Allicin, vinylidithiin, ajoene and diallyl polysulfides (Review). *Experimental and Therapeutic Medicine*. <https://doi.org/10.3892/etm.2019.8388>
- Pradana, D. L. C., Muti, A. F., Rahmi, E. P., Elzuhria, N., A. F., Hanidah, U., Buulolo, F., Hidayat, T. A., Nabilla, F. A., Kaffah, N. S., Syafad, A. M., Putri, N. F., Setiawan, T., Zahra, P. A., & N, N. R. (2023b). Antibiotics sensitivity test diffusion and dilution methods. *Journal of Research in Pharmacy and Pharmaceutical Sciences*, 2(1), 38–47. <https://doi.org/10.33533/jrpps.v2i1.7027>
- Rahman, M. S. (2007). Allicin and other functional active components in garlic: Health benefits and bioavailability. *International Journal of Food Properties*, 10(2), 245–268. <https://doi.org/10.1080/10942910601113327>
- Ramon-Curay, R., Salas, D. R., García, N. T., Moreira, J. M., & Bayas-Morejón, F. (2023). Antimicrobial Effectiveness of Methicillin, Amoxicillin and Ampicillin against Methicillin-Resistant Staphylococcus Aureus (MRSA) Strains Isolated from Bovine Mastitis. *Journal of Medicinal and Chemical Sciences*, 6, 2608–2619. <https://doi.org/10.26655/JMCEMSCI.2023.11.5>
- Suciu, A., Tamaş, V., Alexandru, G., & Bordei, N. (2016). Evaluation of allicin stability in lyophilized aqueous garlic extract for new pharmaceutical solid formulations with bioavailable allicin. *Journal of EcoAgriTourism: Proceedings of the 6th BIOATLAS Conference*, 12(2), 47.
- Teow, S. Y., Liew, K., Ali, S. A., Khoo, A. S. B., & Peh, S. C. (2016). Antibacterial Action of Curcumin against Staphylococcus aureus: A Brief Review. In *Journal of Tropical Medicine* (Vol. 2016). Hindawi Limited. <https://doi.org/10.1155/2016/2853045>
- Traber, K. E., Lee, E., Benon, S., Corrigan, R., Cantera, M., Shopsin, B., & Novick, R. P. (2008). agr function in clinical Staphylococcus

aureus isolates. *Microbiology*, 154(8), 2265–2274.
<https://doi.org/10.1099/mic.0.2007/011874-0>

World Health Organization. (2024). WHO bacterial priority pathogens list, 2024: Bacterial pathogens of public health importance to guide research, development and strategies to prevent and control antimicrobial resistance. Geneva: World Health Organization.

