

DAFTAR PUSTAKA

- Abdel-Khaliq, A., Hassan, H. M., Rateb, M. E., & Hammouda, O. (2014). Antimicrobial Activity of Three *Ulva* Species Collected from Some Egyptian Mediterranean Seashores. *International Journal of Engineering Research and General Science Volume*, 2(5), 648–669.
- Afshar, M. F., Zakaria, Z., Cheng, C. H., & Ahmad, N. I. (2023). Prevalence and multidrug-resistant profile of *methicillin-resistant Staphylococcus aureus* and *methicillin-resistant Staphylococcus pseudintermedius* in dogs, cats, and pet owners in Malaysia. *Veterinary World*, 16(3), 536–545. <https://doi.org/10.14202/vetworld.2023.536-545>
- Amfotis, M. L., Suarni, N. M. R., & Arpiwi, N. L. (2022). Wound Healing Of Cuts in the Skin of White Rat (*Rattus norvegicus*) Is Given Kirinyuh (*Chromolaena odorata*) Leaf Extract. *Metamorfosa: Journal of Biological Sciences*, 9(1), 139. <https://doi.org/10.24843/metamorfosa.2022.v09.i01.p14>
- Ardita, N. F., Mithasari, L., Untoro, D., & Salasia, S. I. O. (2021). Potential antimicrobial properties of the *Ulva lactuca* extract against *methicillin-resistant Staphylococcus aureus*-infected wounds: A review. *Veterinary World*, 14(5), 1116–1123. <https://doi.org/10.14202/vetworld.2021.1116-1123>
- Bannoehr, J., Franco, A., Iurescia, M., Battisti, A., & Fitzgerald, J. R. (2009). Molecular diagnostic identification of *Staphylococcus pseudintermedius*. *Journal of Clinical Microbiology*, 47(2), 469–471. <https://doi.org/10.1128/JCM.01915-08>
- Bibby, H. L., & Brown, K. L. (2021). Identification of *Staphylococcus pseudintermedius* Isolates from Wound Cultures by Matrix-Assisted Laser Desorption Ionization–Time of Flight Mass Spectrometry Improves Accuracy of Susceptibility Reporting at an Increase in Cost. *Journal of Clinical Microbiology*, 59(11), 1–11. <https://doi.org/10.1128/JCM.00973-21>
- Bonnet, M., Lagier, J. C., Raoult, D., & Khelaifia, S. (2020). Bacterial culture through selective and non-selective conditions: the evolution of culture media in clinical microbiology. *New Microbes and New Infections*, 34. <https://doi.org/10.1016/j.nmni.2019.100622>
- Börjesson, S., Gómez-Sanz, E., Ekström, K., Torres, C., & Grönlund, U. (2015). *Staphylococcus pseudintermedius* can be misdiagnosed as *Staphylococcus aureus* in humans with dog bite wounds. *European Journal of Clinical Microbiology and Infectious Diseases*, 34(4), 839–844. <https://doi.org/10.1007/s10096-014-2300-y>
- Budiyanto, R., Satriawan, N. E., Suryani, A. (2021). Identifikasi Dan Uji Resistensi *Staphylococcus Aureus* Terhadap Antibiotik (*Chloramphenicol* Dan *Cefotaxime Sodium*) Dari Pus Infeksi Piogenik Di Puskesmas Proppo. *Jurnal Kimia Riset*, 6(2), 154. <https://doi.org/10.20473/jkr.v6i2.30694>

- Bünsow, D., Tantawy, E., Ostermeier, T., Bähre, H., Garbe, A., Larsen, J., & Winstel, V. (2021). *Methicillin-resistant Staphylococcus pseudintermedius* synthesizes deoxyadenosine to cause persistent infection. *Virulence*, *12*(1), 989–1002. <https://doi.org/10.1080/21505594.2021.1903691>
- Carroll, K. C., Burnham, C. A. D., & Westblade, L. F. (2021). From canines to humans: Clinical importance of *Staphylococcus pseudintermedius*. *PLoS Pathogens*, *17*(12), 1–9. <https://doi.org/10.1371/journal.ppat.1009961>
- CLSI. (2020). Performance Standards for Antimicrobial Susceptibility Testing. In *Journal of Clinical Microbiology* (30th ed., Vol. 58, Issue 3). Clinical and Laboratory Standards Institute;2020. <https://doi.org/10.1128/JCM.01864-19>
- Colby, L. A., Nowland, M. H., Kennedy, L. H. (2020). *Clinical Laboratory Animal Medicine* (5th ed.). Hoboken: Wiley Blackwell.
- Comino-Sanz, I. M., López-Franco, M. D., Castro, B., & Pancorbo-Hidalgo, P. L. (2021). The role of antioxidants on wound healing: A review of the current evidence. *Journal of Clinical Medicine*, *10*(16). <https://doi.org/10.3390/jcm10163558>
- Desiyana, L. S., Husni, M. A., & Zhafira, S. (2016). Uji Efektivitas Sediaan Gel Fraksi Etil Asetat Daun Jambu Biji (*Psidium Guajava* Linn) Terhadap Penyembuhan Luka Terbuka Pada Mencit (*Mus Musculus*). *Jurnal Natural*, *16*(2), 23–32. <https://doi.org/10.24815/jn.v16i2.5017>
- Dominguez, H., & Loret, E. P. (2019). *Ulva lactuca*, A Source of Troubles and Potential Riches. *Marine Drugs*, *17*(6), 1–20. <https://doi.org/10.3390/md17060357>
- Editioningrum, C. A., Kintoko, K., Zulien, F., & Widiyastuti, L. (2018). Optimization of Water Fraction Gel Formula of *Binahong Leaf* (*Anredera cordifolia* (Ten.) Steen With Gelling Agent of Sodium Alginate and Carboxymethyl Chitosan Combination. *Majalah Obat Tradisional*, *23*(3), 97. <https://doi.org/10.22146/mot.36604>
- Edy, H. J., Marchaban, Wahyuono, S., & Nugroho, A. E. (2016). Formulasi Dan Uji Sterilitas Hidrogel Herbal Ekstrak Etanol Daun *Tagetes Erecta* L. *Pharmakon*, *5*(2), 9–16.
- Ellis, S., Lin, E. J., & Tartar, D. (2018). Immunology of Wound Healing. *Current Dermatology Reports*, *7*(4), 350–358. <https://doi.org/10.1007/s13671-018-0234-9>
- Estevão, L. R. M., Vieira, P. C., Leite, A. G. B., Bulhões, A. A. V. C., Barcelos, L. S., Neto, J. E. (2019). Morphological Evaluation of Wound Healing Events in the Excisional Wound Healing Model in Rats. *Bio-Protocol*, *9*(13), 1–12. <https://doi.org/10.21769/BioProtoc.3285>
- Fadhilah, H., Indah, F. P. S., & Febriza, S. (2022). Studi Literatur Efektivitas Tanaman Terhadap Penyembuhan Luka Sayat. *Edu Masda Journal*, *6*(1), 1.

- Febram, B., Wientarsih, I., & Pontjo, D. B. (2010). Aktivitas Sediaan Salep Ekstrak Batang Pohon Pisang Ambon (*Musa paradisiaca var sapientum*) Dalam Proses Penyembuhan Luka Pada Mencit (*Mus musculus albinus*). *Majalah Obat Tradisional*, 15(3), 2010.
- Febriana, N. A., Fridayanti, A., & Ibrahim, A. (2016). Metabolit Sekunder dan Efek Penyembuhan Luka Sayat Ekstrak Etanol Buah Pandan Duri (*Pandanus tectorius Soland*) pada Tikus Putih Galur Wistar (*Rattus norvegicus*). *Proceeding of Mulawarman Pharmaceuticals Conferences*, 3(1), 303–311. <https://doi.org/10.25026/mpc.v3i2.125>
- Fitrandi, M., Salasia, S. I. O., Sianipar, O., Dewananda, D. A., Arjana, A. Z., Aziz, F., Wasissa, M., Lestari, F. B., & Santosa, C. M. (2023). *Methicillin-resistant Staphylococcus aureus* isolates derived from humans and animals in Yogyakarta, Indonesia. *Veterinary World*, 16(1), 239–245. <https://doi.org/10.14202/vetworld.2023.239-245>
- Gajic, I., Kabic, J., Kekic, D., Jovicevic, M., Milenkovic, M., Mitic Culafic, D., Trudic, A., Ranin, L., & Opavski, N. (2022). Antimicrobial Susceptibility Testing: A Comprehensive Review of Currently Used Methods. *Antibiotics*, 11(4), 1–26. <https://doi.org/10.3390/antibiotics11040427>
- Garbacz, K., & Piechowicz, L. (2013). Phage type 187 as a separate subunit *MboI* restriction site within the *Staphylococcus aureus* species. *Current Microbiology*, 66(6), 578–581. <https://doi.org/10.1007/s00284-013-0319-4>
- Grönthal, T., Eklund, M., Thomson, K., Piiparinen, H., Sironen, T., & Rantala, M. (2017). Antimicrobial resistance in *Staphylococcus pseudintermedius* and the molecular epidemiology of *methicillin-resistant S. pseudintermedius* in small animals in Finland. *Journal of Antimicrobial Chemotherapy*, 72(4), 1021–1030. <https://doi.org/10.1093/jac/dkw559>
- Hasan, N., Cao, J., Lee, J., Kim, H., & Yoo, J. W. (2021). Development of *clindamycin*-loaded alginate/pectin/hyaluronic acid composite hydrogel film for the treatment of MRSA-infected wounds. *Journal of Pharmaceutical Investigation*, 51(5), 597–610. <https://doi.org/10.1007/s40005-021-00541-z>
- Hasan, N., Cao, J., Lee, J., Naem, M., Hlaing, S. P., Kim, J., Jung, Y., Lee, B. L., & Yoo, J. W. (2019). PEI/NONOates-doped PLGA nanoparticles for eradicating *methicillin-resistant Staphylococcus aureus* biofilm in diabetic wounds via binding to the biofilm matrix. *Materials Science and Engineering C*, 103(December 2018), 109741. <https://doi.org/10.1016/j.msec.2019.109741>
- Hayati, L. N., Tyasningsih, W., Praja, R. N., Chusniati, S., Yunita, M. N., & Wibawati, P. A. (2019). Isolation and Identification of *Staphylococcus aureus* in Dairy Milk of The Etawah Crossbred Goat with Subclinical Mastitis in Kalipuro Village, Banyuwangi. *Jurnal Medik Veteriner*, 2(2), 76–82. <https://doi.org/10.20473/jmv.vol2.iss2.2019.76-82>

- Horstmann, C., Mueller, R. S., Straubinger, R. K., & Werckenthin, C. (2012). Detection of *methicillin-resistant Staphylococcus pseudintermedius* with commercially available selective media. *Letters in Applied Microbiology*, 54(1), 26–31. <https://doi.org/10.1111/j.1472-765X.2011.03167.x>
- Karimela, E. J., Ijong, F. G., Palawe, J. F. P., & Mandeno, J. A. (2019). Isolasi Dan Identifikasi Bakteri *Staphylococcus Epidermis* Pada Ikan Asap Pinekuhe. *Jurnal Teknologi Perikanan Dan Kelautan*, 9(1), 35–42. <https://doi.org/10.24319/jtpk.9.35-42>
- KemenKes RI. (2020). *Farmakope Indonesia* (VI). Jakarta: Departemen Kesehatan Republik Indonesia.
- Khairunnisa, M., Helmi, T. Z., Darmawi, Dewi, M., & Hamzah, A. (2018). The isolation and identification of *Staphylococcus aureus* from goat udder of breed goat etawa (PE). *Jimvet*, 2(September), 538–545.
- Kolanjinathan, K., & Stella, D. (2011). Comparative Studies on Antimicrobial Activity of *Ulva reticulata* and *Ulva lactuca* against Human Pathogens. *International Journal of Pharmaceutical & Biological Archieve*, 2(6), 1738–1744.
- Leboffe, M. J., & Pierce, B. E. (2015). *A Photographic Atlas for the Microbiology Laboratory* (8th ed.). USA: Morton Publishing Company.
- Looy, M. Van. (2020). *Diagnostiek en behandeling van mrsp bij dermatologie patiënten*. Ghent: Faculteit Diergeneeskunde.
- Luchian, I., Goriuc, A., Martu, M. A., & Covasa, M. (2021). *Clindamycin* as an alternative option in optimizing periodontal therapy. *Antibiotics*, 10(7), 1–12. <https://doi.org/10.3390/antibiotics10070814>
- Machado, T. S., Crestani, L., Marchezi, G., Melara, F., de Mello, J. R., Dotto, G. L., & Piccin, J. S. (2022). Synthesis of glutaraldehyde-modified silica/chitosan composites for the removal of water-soluble diclofenac sodium. *Carbohydrate Polymers*, 277(July 2021). <https://doi.org/10.1016/j.carbpol.2021.118868>
- Magrivah, T., Marwati., Ardhani, F. (2020). Uji Daya Hambat Bakteri *Staphylococcus Aureus* Menggunakan Ekstrak Daun Tahongai (*Kleinhovia hospita*L.). *Jurnal Peternakan Lingkungan Tropis*, 2(2), 41. <https://doi.org/10.30872/jpltrop.v2i2.3687>
- Markey, B., Leonard, F., Archambault, M., Cullinane, A., Maguire, D. (2013). *Clinical Veterinary Microbiology* (2nd ed.). Iowa: Elsevier.
- Mautuka, Z. A., Karbeka, M., Molina, M., & Suratno, S. (2022). The Effect of Storage Time on the Quality of Immersion Oil Made from Kesambi (*Scheichera Oleosa*) in the Image of Onion Cell Plant. *Walisongo Journal of Chemistry*, 5(1), 45–52. <https://doi.org/10.21580/wjc.v5i1.9338>

- McVey, D. S., Kennedy, M., Chengapp, M. M., & Wilkes, R. (2022). *Veterinary Microbiology* (4th ed.). Hoboken: Wiley Blackwell.
- Mezdour, H., Menad, A., Abdelfettah, G., Algabr, M. N., & Ameddah, S. (2017). Immunomodulatory and Anti-Inflammatory Activities of Algerian *Ulva Lactuca*. *World Journal of Pharmaceutical Research*, 6(11), 72–95. <https://doi.org/10.20959/wjpr201711-9478>
- Michels, R., Last, K., Becker, S. L., & Papan, C. (2021). Update on coagulase-negative staphylococci—what the clinician should know. *Microorganisms*, 9(4). <https://doi.org/10.3390/microorganisms9040830>
- Millannia, S. K., Khairullah, A. R., Effendi, M. H., Utama, S., Kurniawan, S. C., Afnani, D. A., Silaen, O. S. M., Ramadhani, S., Ramandinianto, S. C., Waruwu, Y. K. K., Widodo, A., Putra, G. D. S., Farizqi, M. T. I., & Riwu, K. H. P. (2023). Phenotypic detection strategies of *multidrug-resistant Staphylococcus aureus* isolated from cat nasal swab in Madiun city, Indonesia. *Biodiversitas*, 24(2), 940–946. <https://doi.org/10.13057/biodiv/d240233>
- Mirhoseini, M., Kianezhad, M. A., Rezaeipour, B., Ghasemi, M., Rezanejad Gatabi, Z., Nia, H. S., & Talebpour Amiri, F. (2021). The synergistic effect of topical insulin and *clindamycin* on acute dermal wound healing in rat model: a histological study. *Journal of Histotechnology*, 44(2), 70–79. <https://doi.org/10.1080/01478885.2020.1861919>
- Mirzaei B., E., Ramazani, A., Shafiee, M., & Danaei, M. (2013). Studies on glutaraldehyde crosslinked *chitosan* hydrogel properties for drug delivery systems. *International Journal of Polymeric Materials and Polymeric Biomaterials*, 62(11), 605–611. <https://doi.org/10.1080/00914037.2013.769165>
- Moses, I. B., Santos, F. F., & Gales, A. C. (2023). Human Colonization and Infection by *Staphylococcus pseudintermedius*: An Emerging and Underestimated Zoonotic Pathogen. *Microorganisms*, 11(3). <https://doi.org/10.3390/microorganisms11030581>
- Mutiarahmi, C. N., Hartady, T., & Lesmana, R. (2021). Use of Mice As Experimental Animals in Laboratories That Refer To the Principles of Animal Welfare: a Literature Review. *Indonesia Medicus Veterinus*, 10(1), 134–145. <https://doi.org/10.19087/imv.2020.10.1.134>
- Nanda, Y., Salim, M. N., Iskandar, C. D. (2017). Histopatologi Kulit Mencit (*Mus Musculus*) Fase Remodeling Pada Penyembuhan Luka Sayat Dengan Salep Getah Jarak Pagar (*Jatropha curcas* Linn). *Jimvet*, 01(4), 780–787.
- Nocera, F. P., Pizzano, F., Masullo, A., Cortese, L., & De Martino, L. (2023). Antimicrobial Resistant *Staphylococcus* Species Colonization in Dogs, Their Owners, and Veterinary Staff of the Veterinary Teaching Hospital of Naples, Italy. *Pathogens*, 12(8). <https://doi.org/10.3390/pathogens12081016>

- Opps, M. S. (2013). *Current Progress in Biological Research*. Croatia: inTech.
- Pappou, S., Dardavila, M. M., Savvidou, M. G., Louli, V., Magoulas, K., & Voutsas, E. (2022). Extraction of Bioactive Compounds from *Ulva lactuca*. *Applied Sciences (Switzerland)*, 12(4), 1–17. <https://doi.org/10.3390/app12042117>
- Pertiwi, M., Wulandari, K. K., Rodja, H. A., Urjiyah, U. G., Fibriani, E., & P., & A, F. (2021). Teknik Diagnostik Konvensional dan Lanjutan untuk Infeksi Bakteri dan Resistensi Antibakteri di Indonesia. *Widya Biologi*, 12(02), 98–116.
- Premarathna, A.D., Wijesekera, S.K., Bandara, K. B. A., Wickramaarachchi, W.M.D., Perera, N. A. N. and, & Rajapakse, R. P. . (2015). *A preliminary study of the potential wound healing properties of aqueous extracts of Sargassum crassifolium and Ulva lactuca*.
- Purnamasari, I., Suwarno, & Tyasningsih, W. (2023). Identification of *Staphylococcus* sp. and Antibiotic Resistance in Tukur District, Pasuruan. *Jurnal Medik Veteriner*, 6(1), 93–104. <https://doi.org/10.20473/jmv.vol6.iss1.2023.93-104>
- Putri, C. E. D., Shinta, H. E., Fatmaria, & Trinovita, E. (2023). The Effectiveness of Sungkai Leaf (*Peronema canescens* Jack.) Extract Gel on The Collagen Density of Incision Wounds in Vivo. *Majalah Obat Tradisional*, 28(2), 69–76. <https://doi.org/10.22146/mot.80458>
- Putriani, R., Triakoso, N., Yunita, M. N., Yudaniayanti, I. S., Hamid, I. S., & Fikri, F. (2019). Effectivity of bitter leaf extract (*vernonia amygdalina*) topically to re-epithelialization incision wound healing in rats (*Rattus novergicus*). *Jurnal Medik Veteriner*, 2(1), 30–35. <https://doi.org/10.20473/jmv.vol2.iss1.2019.30-35>
- Ramadhan, W., Uju, Hardiningtyas, S. D., Pari, R. F., Nurhayati, & Sevica, D. (2022). Ultrasonic Wave Assisted Extraction of *Ulvan Polysaccharide* from *Ulva lactuca* Seaweed at Low Temperature. *Jurnal Pengolahan Hasil Perikanan Indonesia*, 25(1), 132–142. <https://doi.org/10.17844/jphpi.v25i1.40407>
- Rohmani, S., & Kuncoro, M. A. A. (2019). Uji Stabilitas dan Aktivitas Gel handsanitizer Ekstrak Daun Kemangi. *JPSCR : Journal of Pharmaceutical Science and Clinical Research*, 4(1), 16. <https://doi.org/10.20961/jpscr.v4i1.27212>
- Ruiz-Ripa, L., Simón, C., Ceballos, S., Ortega, C., Zarazaga, M., Torres, C., & Gómez-Sanz, E. (2021). *S. pseudintermedius* and *S. aureus* lineages with transmission ability circulate as causative agents of infections in pets for years. *BMC Veterinary Research*, 17(1), 1–10. <https://doi.org/10.1186/s12917-020-02726-4>

- Salasia Oktavia, S. I., Sandi, N. A., Lestari, F. B., Farida, V., & Aziz, N. (2017). Potensi Ekstrak *Atuna racemosa* sebagai Anti - *Methicillin Resistant Staphylococcus aureus* (MRSA). In *Jurnal Sain Veteriner* (Vol. 35, Issue 2, p. 260). <https://doi.org/10.22146/jsv.34700>
- Sanu, E. M., Sanam, M. U. E., & Tangkonda, E. (2015). Uji sensitivitas antibiotika terhadap *staphylococcus aureus* yang diisolasi dari luka kulit anjing di desa merbaun, kecamatan amarasi barat kabupaten kupang. *Jurnal Kajian Veteriner*, 3(2), 175–189.
- Setyawaty, R., Gustin, & Setiyabudi, R. (2021). Gel Formulation from Ethanol Extract of the Leaf of White Guava (*Psidium guajava* L.). *Majalah Obat Tradisional*, 26(3), 149–154. <https://doi.org/10.22146/mot.59725>
- Sirois, M. (2022). *Laboratory Animal and Exotic Pet Medicine Principles and Procedures* (3rd ed.). St. Louis: Elsevier.
- Stadler, M., & Dersch, P. (2016). *Current Topics in Microbiology and Immunology How to Overcome the Antibiotic Crisis Facts, Challenges, Technologies and Future Perspectives*. Springer International Publishing. <http://www.springer.com/series/82>
- Tabatabaei, S., Najafifar, A., Askari Badouei, M., Zahraei Salehi, T., Ashrafi Tamai, I., Khaksar, E., Abbassi, M. S., & Ghazisaeedi, F. (2019). Genetic characterisation of *methicillin-resistant Staphylococcus aureus* and *Staphylococcus pseudintermedius* in pets and veterinary personnel in Iran: new insights into emerging *methicillin-resistant S. pseudintermedius* (MRSP). *Journal of Global Antimicrobial Resistance*, 16, 6–10. <https://doi.org/10.1016/j.jgar.2018.08.022>
- Talreja, S. C. (2017). Original Research Paper Chemistry Evaluation of Methanolic Extract of Seaweed *Ulva lactuca* against Resistant Pathogenic Fungal and Microbial Strains. *Indian Journal of Research*, 6(2), 312–316.
- van de Vlekkert, D., Machado, E., & d’Azzo, A. (2020). Analysis of Generalized Fibrosis in Mouse Tissue Sections with Masson’s Trichrome Staining. *Bio-Protocol*, 10(10), 1–16. <https://doi.org/10.21769/BioProtoc.3629>
- Whitney, K. M., & Ditre, C. M. (2011). Anti-Inflammatory Properties of *Clindamycin*: A Review of Its Use in the Treatment of Acne Vulgaris. *Clinical Medicine Insights: Dermatology*, 4(1), 27–41. <https://doi.org/10.4137/CMD.S5058>
- Widyaningsih, W., Yuliani, S., Sofia, V., Rukmiati, R., & Ulwy, K. (2022). Burn wound healing activity of ethanol extract gel of Green Algae (*Ulva lactuca* L) in mice. *Pharmaciana*, 12(2), 181. <https://doi.org/10.12928/pharmaciana.v12i2.22833>

- Wilkinson, H. N., & Hardman, M. J. (2020). Wound healing: cellular mechanisms and pathological outcomes: Cellular Mechanisms of Wound Repair. *Open Biology*, 10(9). <https://doi.org/10.1098/rsob.200223>
- Yuliani, R., Sukma Pranastia, D. A., Rupiasih, N. N., Supardi, I. W., & Suarbawa, K. N. (2024). Pengaruh Ikatan Silang Glutaraldehid Terhadap Morfologi Nanofiber Komposit PVA/Chitosan/Kolagen. *Buletin Fisika*, 25(1), 56. <https://doi.org/10.24843/bf.2024.v25.i01.p08>
- Yulianto, R., Triakoso, N., Saputro, A. L., Setiawan, B., Yudhana, A., & Agustono, B. (2020). The Effect of Metanol Extract Ketapang Leaves (*Terminalia catappa L.*) on Collagen Density in Healing of Second Degree Burns in Albino Rats (*Rattus norvegicus*). *Jurnal Medik Veteriner*, 3(1), 82–88. <https://doi.org/10.20473/jmv.vol3.iss1.2020.82-88>