



DAFTAR PUSTAKA

- Abdeltwab, W.M., Abdelaliem, Y. F., Metru, W. A., Eldehhedy,M.(2019) Antibacterial effect of Chitosan and Nano-Chitosan against some Pathogen and Spoilage Microorganisms. *Journal of Advanced Laboratory Research in Biology*.10(1):8-15.
- Abidin T, Susilo D, Gani BA. (2022) The effectiveness of nano-chitosan high molecular 0.2% as irrigant agent against *Enterococcus faecalis* with passive ultrasonic irrigant. *J Conserv Dent.* 25(1):37-41.
- Aliasghari A, Rabbani K. M, Vaezifar S, Rahimi F, Younesi H, Khoroushi M. (2016) Evaluation of antibacterial efficiency of chitosan and chitosan nanoparticles on cariogenic *streptococci*: an in vitro study. *Iran J Microbiol.*8(2):93-100.
- Atay H., Y., (2019) Antibacterial Activity of Chitosan-Based Systems. *Springer Nature Singapore Pte. Ltd.*457-489.
- Balouiri, M., Sadiki, M., dan Ibsouda, S. K., (2016) Methods for In Vitro Evaluating Antimicrobial Activity: A Review. *J Pharm Anal.* 6(2): 71-79.
- Bassey, E. E., Mohammed, G. D., Cynthia, O., (2018) Antimicrobial Susceptibility Pattern of Coconut Oil Extract on Selected Bacterial and Fungi. *Interventions in Pediatric Dentistry: Open Access Journal.*1(3):51-57.
- Berman, L. H. dan Hargreaves, K. M., (2021) *Cohen's Pathways of The Pulp*. 12th ed. Missouri: Elsevier Inc.
- Bubonja-Šonje M, Knežević S, Abram M.(2020) Challenges to antimicrobial susceptibility testing of plant-derived polyphenolic compounds. *Arh Hig Rada Toksikol.* 271(4):300-311.
- Colombo M, Bassi C, Beltrami R, Vigorelli P, Spinelli A, Cavada A, Dagna A, Chiesa M, Poggio C., (2017) Radiographic technical quality of root canal treatment performed by a new rotary single-file system. *Ann Stomatol (Roma)*.8(1):18-22.
- Cappuccino, J. G., dan Sherman, N.,(2014) *Microbiology: A Laboratory Manual*, 10th ed.United States of America:Pearson. pp. 293,294.
- Gopikrishna, V., (2021) *Grossmans's Endodontic Practice*. 14th ed. New Delhi: Wolters Kluwer (India) Pvt. Ltd. pp 303-304.
- Hoang NH, Le Thanh T, Sangpueak R, Treekoon J, Saengchan C, Thepbandit W, Papathom NK, Kamkaew A, Buensanteai N. Chitosan Nanoparticles-Based Ionic Gelation Method: A Promising Candidate for Plant Disease Management. *Polymers (Basel)*. 2022 Feb 9;14(4):662.



- Husniati, Oktarinam E. (2014) Sintesis Nano Partikel Kitosan dan Pengaruhnya Terhadap Inhibisi Bakteri Jus Nenas, *Jurnal Dinamika Penelitian Industri*, 25(02):89-95.
- Qonitannisa S., Fadli, A., Sunarno (2020) Sintesi Nanokitosan dengan Metode Gelasi Ionik Menggunakan Pelarut Asam Asetat dengan Variansi Konsentrasi Kitosan. *Jom Fteknik*, 7(02):1-4.
- Kumala, Y. R., Nuriefatin N., Shafira, D. A. (2023) Effectivity of *Kaempferia Galanga L.* Essential Oil Against *Streptococcus Pyogenes* and *Streptococcus Sanguinis* for Root Canal Medicament. *Malaysian Journal of Medicine and Health Science*. 19(SUPP5):51-57.
- Lew H.P., Quah S.Y., Lui J.N., Bergenholtz G., Hoon Yu V.S., Tan K.S. (2015) Isolation of alkaline-tolerant bacteria from primary infected root canals. *J Endod.* 41(4):451-6.
- Malik, S.(2022) Susceptibility of Root Canal Flora To Chitosan, Chlorhexidine and Theri Combination-An In Vitro Study. *Journal of Pharmaceutical Negative Result*.13(4):1897-1902.
- Marinković, J., Marković, T., Brkić, S., Radunović, M., Soldatović, I., Ćirić, A., Marković, D. (2020) Microbial Analysis of Primary Infected Root Canals with Symptomatic and Asymptomatic Apical Periodontitis of Young Permanent Teeth. *Balk J Dent Med.* 24:170-177.
- Marvaniya J, Agarwal K, Mehta DN, Parmar N, Shyamal R, Patel J.(2022) Minimal Invasive Endodontics: A Comprehensive Narrative Review. *Cureus*.14(6):1-8.
- Murad CF, Sassone LM, Faveri M, Hirata R Jr, Figueiredo L, Feres M. (2014) Microbial diversity in persistent root canal infections investigated by checkerboard DNA-DNA hybridization. *J Endod.* 40(7):899-906.
- Narayanan LL, Vaishnavi C.(2010) Endodontic microbiology. *J Conserv Dent.*13(4):233-9.
- Nasr, M., Diab, A., Roshdy, N. N., Hussein, A., (2021) Assessment of Antimicrobial Efficacy of Nano Chitosan, Chlorhexidine, Chlorhexidine/Nano Chitosan Combination versus Sodium Hypochlorite Irrigation in Patients with Necrotic Mandibular Premolars: A Randomized Clinical Trial. *Open Access Macedonian Journal of Medical Science*. 9(D):23-242.
- Nurdin, S., Dharsono H. D. A., Fatriadi, F., Sahara, E., Adang, R. A, F., Gondowidjodjo, Y. D., Kurnia, D., (2022) Antibacterial Activity of Strawberry Fruit Extract Against *Streptococcus sanguinis* (ATCC 10556). *Padjadjaran Journal of Dentistry*. 34(1):1-7.



- Oktiara E., Sutadi, H., Siregar, Y., Primasari, A. (2021) Aktivitas Antibakteri *Streptococcus mutans* dari Pasta Gigi Lisozim 0,1% sebagai Alternatif untuk Anak di Bawah 3 Tahun dalam Mencegah Karies Anak Usia Dini (PAUD) (Studi Laboratorium Eksperimental), *Dentika dental journal*, 24(2):28-34.
- Pattipeilohy, A.J., Umar, C.B.P., Pattilouw, M.T.,(2022) Uji Aktivitas Antibakteri Ekstrak Etanol Daun Tapak Dara (*Catharanthus roseus*) di Desa Lisabata Terhadap Pertumbuhan Bakteri *Staphylococcus aureus* dengan Menggunakan Metode Difusi Agar, *Jurnal JRIK*. 2(01):80-90.
- Ramachandran, V. S., Rathakrishnan, M., Ravindrran, M. B., Alagarsamy, V.,(2022) Comparative Evaluation of the Antimicrobial Effect of Mangosteen, Triphala, Chitosan, and 2% Chlorhexidine on Mono-and Dual-Species Biofilms of- and *Candida albicans*: An in Vitro Study. *European Endodontic Journal*.7:58-66.
- Ratih, D. N., Enggardipta, R. A., Kartikaningtyas, A. T., (2020) The Effect of Chitosan Nanoparticle as A Final Irrigation Solution on The Smear Layer Removal, Micro-hardness, and Surface Roughness of Root Canal Dentin. *The Open Dentistry Journal*. 14;19-26.
- Riedel, S., Morse, S. A., Mietzner, T. A., Miller, S., (2019) *Jawetz, Melnick & Adelberg's Medical Microbiology*, 28th ed..United States of America: McGraw-Hill Education. pp. 379, 387.
- Rostein, I. dan Ingle, J. I., (2019) *Ingle's Endodontics* 7. North Carolina: PMPH USA. Ltd. pp. 5,59,60,85, 98,557,558,669,671.
- Suherman, B., Latif, M., Dewi, S. T. R., (2018) Potensi Kitosan Kulit Udang Vannamei (*Litopenaeus vannamei*) Sebagai Antibakteri Terhadap *Staphylococcus epidermidis*, *Pseudomonas aeruginosa*, *Propionibacterium agnes*, dan *Escherichia coli* Dengan Metode Difusi Cakram Kertas. *Media Farmasi*. 14(1):116-127.
- Schoch CL, Ciufo S, Domrachev M, Hotton CL, Kannan S, Khovanskaya R, Leipe D, Mcveigh R, O'Neill K, Robbertse B, Sharma S, Soussov V, Sullivan JP, Sun L, Turner S, Karsch-Mizrachi I.(2020) NCBI Taxonomy: a comprehensive update on curation, resources and tools. *Database (Oxford)*.
- Shafiei, M., Jafarizahdeh-Malmiri, H., Rezaei, M. (2019) Biological Activities of Chitosan and Prepared Chitosan-Tripolyphosphate Nanoparticles Using Ionic Gelation Method Against Various Pathogenic Bacteria and Fungi Strains. *Biologia*.7:1-8.
- Song, J., Hong, L., Zou, X., Alshawwa H.m Zhao, Y., Zhao, H., Liu, X., Si, C., Zhang, Z. 2022. A Self-Supplying H₂O₂ Modified Nanozyme-Loaded



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MUTIA DESY RAHMAWATI, Prof. drg. Diatri Nari Ratih, M.Kes. Sp.KG(K.), Ph.D.;Dr. drg. Wigñyo Hadriyanto, MS., S.

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Hydrogel for Root Canal Biofilm Eradication. *Int. J. Mol. Sci.* 23(10107):1-17.

Sarwono, R., (2010) Pemanfaatan Kitin/ Kitosan Sebagai Bahan Anti Mikroba. *JKTI* 12(1):32-38.

Torabinejad, M., Fouad, A., Shabahang, S., (2021) *Endodontics Principle and Practice 6th ed.*. London. pp.7,8.

Zhou, X., dan Li, Y.,(2015) *Atlas of Oral Microbiology From Healthy Microflora to Disease*. London:Elsevier Inc. pp. 56,57.