

DAFTAR PUSTAKA

- Alam, P. N. 2018. Perbandingan Pengaruh antara Paparan Photodynamic Therapy (APDT) Menggunakan Eritrosin dan Paparan Metronidazol terhadap Viabilitas Bakteri *Porphyromonas gingivalis* (In-Vitro). *Skripsi*. Jurusan Kedokteran Gigi Universitas Jenderal Soedirman. Purwokerto.
- American Academy of Periodontology. 2017. The international workshop for the classification of periodontal disease conditions. *J Periodontol*. 4(1): pp.1-7.
- Anggraini, O. D., Komariah, C., Prasetyo, U., & Tegalboto, K. 2018. Efek ekstrak kulit mangga arumanis terhadap penurunan edema kaki mencit putih jantan yang diinduksi karagenin. *J Pustaka Kesehatan*. 2(6): pp.267–271.
- Astuti, S. D., Utomo, I. B., Setiawatie, E. M., Khasanah, M., Purnobasuki, H., Arifianto, D., & Alamsyah, K. A. 2021. Combination effect of laser diode for photodynamic therapy with doxycycline on a wistar rat model periodontitis. *BMC Oral Health*. 80(21): pp.1-15
- Ayu, K.V., 2014. Pemberian minyak biji rami (*Linum usitatissimum*) per oral meningkatkan jumlah osteoblas dan kepadatan tulang pada tikus putih jantan (*Rattus norvegicus*) galur *Sprague Dawley* dengan periodontitis. *Tesis*. Program Magister Biomedik Universitas Udayana. Denpasar.
- Carranza, M., Newman, G., Takei, H., Perry, R., Klokkevold, A., & Carranza, F. 2019. *Clin Periodontology*. 13th ed. Elsevier. Philadelphia.
- Caton, J., Tonetti, M., G. Armitage, G., Berglundh, T., dan & Chapple, I. L. C. 2018. A new classification scheme for periodontal and peri-implant diseases and conditions – Introduction and key changes from the 1999 classification. *J of Clin Periodontology*. 20(45): pp.52-57.
- Cieplik, F., Tabenski, I., & Tabenski, L. 2016. The impact of cationic substituents in phenalen-1-one photosensitizers on antimicrobial photodynamic efficacy. *Photochemical and Photobiological Sci*. 1(15): pp.57-68.
- Cui, L., Lee, H. S., Li, Y., Choi, J. S., & Choi, J. H. 2016. Influence of light emitting diode-derived blue light overexposure on mouse ocular surface. *Plos One J*. 8(11): pp.1-18.
- Demidova, T. N., & Hamblin, M. R. 2004. Macrophage-targeted photodynamic therapy. *Int J of Immunopathology and Pharm*. 2(17): pp.117–126.
- DeOliveira, P., Silveira, A. S., & Novaes, A. 2016. Adjunctive effect of antimicrobial photodynamic therapy in induced periodontal disease. Animal study with histomorphometrical, immunohistochemical, and cytokine evaluation. *Lasers in Med Sci*. 7(31): pp.1275-1283.

- Dorland, W. A. N. 2014. *Kamus Kedokteran Dorland*. EGC. Jakarta.
- Ermawati, T. 2012. Periodontitis dan diabetes melitus. *J. K. G. Unej*. 3(9): pp.152–154.
- Ferrante, C. J., & Leibovich, S. J. 2012. Regulation of macrophage polarization and wound healing. *Adv in Wound Care*. 1(1): pp.10–16.
- Gensel, J. C., & Zhang, B. 2015. Macrophage activation and its role in repair and pathology after spinal cord injury. *Brain Res*. 16(19): pp.1–11.
- Genina, E. A., Titorenko, V. A., Belikov, A. V., & Bashkatov, A. N. 2015. Adjunctive dental therapy via tooth plaque reduction and gingivitis treatment by blue light-emitting-diodes tooth brushing. *J Biomed Opt*. 20(12): pp.4-8.
- Ghanbari, H., Mousavi, S. A., Forouzanfar, A., Zakeri, M., & Shafae, H. 2015. Synergic phototoxic effect of visible light or gallium-arsenide laser in the presence of different photo-sensitizers on *Porphyromonas gingivalis* and *Fusobacterium nucleatum*. *Dent Res J*. 4(12): pp.323–330.
- Gümüs, P., & Buduneli, N. 2015. Photodynamic therapy and periodontal treatment. *Clin Anti-Inflammatory & Anti-Allergy Drugs*. 1(2): pp.38-42.
- Habibollah, G., Mahdi, Z., Mahboheh, N.N., Mina, Z.J., & Sina, F. 2014. Bactericidal effect of visible light in the presence of erythrosine on *Porphyromonas gingivalis* and *Fusobacterium nucleatum* compared with diode laser, an in vitro study. *Dent Res J*. 4(12): pp.263-269.
- Hadi, U., Kuntaman, K., Qiptiyah, M., & Paraton, H. 2013. Problem of antibiotic use and antimicrobial resistance in Indonesia: Are we really making progress. *IJTID*. 4(4): pp.5-8.
- Ika, A. 2012. Efektivitas antara scaling root planing (SRP) dengan dan tanpa pemberian ciprofloxacin per oral pada penderita periodontitis. *IDJ*. 2(1): pp.70-81
- Indahyani, D. E. 2013. Minyak ikan lemuru (*Sardinella longiceps*) menurunkan apoptosis osteoblas pada tulang alveolaris tikus wistar. *Dent J (Majalah Kedokteran Gigi)*. 4(46): 185-188.
- Indrawati, R., Lolita, A. M., Limantara, L., Kimia, P. S., Jaya, U. P., & Cendrawasih, J. 2021. Terapi fotodinamik antimikroba: Prospek baru dalam penanganan pangan. *Review Article*. 1(15): pp.74-86.
- Jiang, Y., Leung, A. W., Hua, H., Rao, X., & Xu, C. 2014. Photodynamic action of LED-activated curcumin against *Staphylococcus aureus* involving intracellular ROS increase and membrane damage. *IJP*. 4 (8): pp.9–11.

- Kaushansky, K., Lichtman, M.A., Prchal, J.T., Levi, M.M., & Press, O.W. 2016. *Williams Hematology*. Edisi 9. McGraw Hill Education. New York. Pp. 1045-1052.
- Kementerian Kesehatan RI. 2018. Hasil utama RISKESDAS 2018. Kemenkes RI: Badan Penelitian dan Pengembangan Kesehatan.
- Könönen, E., Gursøy, M., & Gursøy, U. 2019. Periodontitis: A multifaceted disease of tooth-supporting tissues. *J Clin Med*. 8(8): pp.1135.
- Kumar, V., Abbas, A. K., & Aster, J. C. 2018. *Robins Basic Pathology*. Edisi 10. Elsevier. Philadelphia. pp.200-204
- Lee, W.H., Loo, C.Y., Traini, D., & Young, P.,M. 2015. Nano-and micro-based inhaled drug delivery system for targeting alveolar macrophages. *Expert opinion on drug delivery*. 12(6): pp.1009-1026.
- Lindhe J., Lang, N.P., & Karring, T. 2008. Clinical periodontology and implant dentistry. *BlackwellPub*. 5(1): pp.420-426
- Liu, Y., Qin, R., & Zaat, S. 2015. Antibacterial photodynamic therapy: Overview of a promising approach to fight antibiotic-resistant bacterial infections. *JCTS*. 1(3): pp.140-167.
- Nagata, J., Hioka, N., & Kimura, E. 2012. Antibacterial photodynamic therapy for dental caries: Evaluation of the photosensitizers used and light source properties. *Photodiagnosis and Photodynamic Therapy*. 2(9): pp.122-131.
- Paliling, A., Posang, J., & Anindita, P.S. 2016. Uji daya hambat ekstrak bunga cengkeh (*Syzygium aromaticum*) terhadap bakteri *Porphyromonas gingivalis*. *J e-Gigi*. 2(4): pp.229-234
- Park, J. H., Jin, H. E., Kim, D. D., Chung, S. J., & Shim, C. K. 2013. Chitosan microsphere as an alveolar macrophage delivery system of ofloxacin via pulmonary inhalation. *IJ Pharm*. 1(441): pp.562-569.
- Peterson, D., Nyengaard, J. R., & Gundersen, H. J. G. 2001. Tissue shrinkage and unbiased stereological estimation of particel number and size. *Journal of Microscopy*. 3(204): pp.232-246.
- Prasetya, R. C., Praharani, D., FatimatuZZahro, N., & Ermawati, T. 2021. Efek pemberian seduhan kopi robusta (*Coffea canephora*) terhadap jumlah sel makrofag dan limfosit pada model tikus periodontitis kronis. *Padjadjaran JDRS*. 5(1): pp.18-23.
- Putri, C.F., & Bachtiar, E.W. 2020. Porphyromonas gingivalis dan patogenesis disfungsi kognitif: Analisis peran sitokin proinflamasi. *Cakradonya Dent J*. 12 (1): pp.15-23.

- Rahmawati, A. 2014. Mekanisme terjadinya inflamasi dan stres oksidatif pada obesitas. *El-Hayah J.* 1(5): pp.1-8.
- Rams, T., Degener, J., & Vanwinkelhoff, A. 2014. Antibiotic resistance in chronic periodontitis microbiota. *J Periodontol.* 1(85): pp.160-166 .
- Secades, C., O'Connor, B., Brown, C., & Walpole, M. 2013. Earth observation for habitat and biodiversity monitoring. *Int J Appl Earth Obs.* 1(1): pp.478-484
- Sochalska, M., & Potempa, J. 2017. Manipulation of neutrophils by porphyromonas gingivalis in the development of periodontitis. *FCIMB.* 7(197): pp.1–15.
- Suardi, H., N. 2014. Antibiotik dalam dunia kedokteran gigi. *Cakradonya Dent J.* 2(6): pp.678-744.
- Suarni, E., dan Prameswarie, T. 2015. Perbandingan pemberian gel lidah buaya (*Aloe Vera l.*) Dan povidone iodine terhadap waktu penyembuhan luka iris (vulnus scissum) pada mencit (*Mus musculus*) galur wistar. *Syifa' MEDIKA: J Ked Kes.* 2(5): pp.82-89.
- Suryadi, I. A., Asmarajaya, A. A. G. N., & Maliawan, S. 2013. Wound healing process and wound care. *E-J Med Udayana.* 2(2): pp.254–272.
- Susilawati, I. D. A. 2011. Periodontal infection is a “silent killer”. *J.K.G. Unej.* 1(8): pp.21–26.
- Tabenski, I., Cieplik, F., Tabenski, L., Regensburger, J., & Hiller, K. A. 2016. The impact of cationic substituents in phenalen-1-one photosensitizers on antimicrobial photodynamic efficacy. *Photochemical and Photobiological Sci.* 15(1): pp.57–68.
- Tamara, A., Oktiani, B.W., & Taufiqurrahman, I. 2019. Pengaruh ekstrak flavonoid propolis kelulut (*Geniotrigona thoracica*) terhadap jumlah sel netrofil pada periodontitis (studi *in vivo* pada tikus wistar (*Rattus norvegicus*) jantan). *Dentin (Jur Ked Gi).* 1(3): pp.10-16.
- Tonetti, M. S., Greenwell, H., & Kornman, K. S. 2018. Staging and grading of periodontitis: framework and proposal of a new classification and case definition. *J Periodontol.* 1(89): pp.159–172.
- Utami, E.R. 2012. Antibiotika, resistensi, dan rasionalitas terapi. *J Sci.* 1(1): pp.124-138.
- Verma, N., & Saraf, S. 2017. A role of macrophages: An overview. *J Drug Deliv Ther.* 6(7): pp.91–103.
- Weiss, J., & Barker, J. 2018. Diverse pro-inflammatory endotoxin recognition systems of mammalian innate immunity. *F1000Research.* 1(7): pp.1–11.

Wood, S., Metcalf, D., Devine, D., & Robinson, C. 2006. Erythrosine is a potential photosensitizer for the photodynamic therapy of oral plaque biofilms. *JAC*. 1(57): pp.680–684.

