

DAFTAR PUSTAKA

- Alam, P.N., 2018, Penentuan Konsentrasi Hambat Minimum (KHM) Metronidazol dan *Erythrosine* terhadap Pertumbuhan Bakteri *Porphyromonas gingivalis*, *Laporan Penelitian Blok Elective Dentistry*, Fakultas Kedokteran Universitas Jenderal Soedirman, Purwokerto (Tidak dipublikasikan).
- Baab, D.A., Broadwell, A.H., Williams, B.L., 1983, A comparison of antimicrobial activity of four disclosant dyes, *Journal of Dental Research*, 62(7): 837-841.
- Bastarrachea, L.J., Walsh, M., Wrenn, S.P., Tikekar, R.V., 2017, Enhanced antimicrobial effect of ultrasound by the food colorant erythrosine B, *Food Research international*, 100(1): 344-351.
- Baurain, D., Wilmotte, A., Frere J.M., 2016, Gram negative bacteria: inner vs cytoplasmic or plasma membrane: a question of clarity rather than vocabulary, *Journal of Microbial and Biochemical Technology*, 8(4): 325-326.
- Charoensuksai, P., Mahadlek, J., Phaechamud, T., Charoenteeraboon, J., 2016, Doxycycline and metronidazole exhibit a synergistic antibacterial activity against *Porphyromonas gingivalis*, *Thai Journal of Pharmaceutical Sciences*, 11(3): 92-97.
- Clerhugh, V., Tugnait, A., Genco, R.J., 2009, *Periodontology at A Glance*, Blackwell Publishing, West Sussex.
- Daniel, W.W., 2009, *Biostatistic: A Foundation for Analysis in Health Sciences Ed.9*, Wiley and Sons, New York.
- Fedi, P. F., Vernino, A. R., Gray, J. L., 2000, *Silabus Periodonti*, EGC, Jakarta.
- Ghanbari, H., Mousavi, S. A., Forouzanfar, A., Zakeri, M., Shafae, H., Shahnasari, S., 2015, Synergic phototoxic effect of visible light or gallium-arsenide laser in the presence of different photosensitizers on *Porphyromonas gingivalis* and *Fusobacterium nucleatum*, *Dental Research Journal*, 12(4): 323-328.
- Gursoy, H., Ozeakir-Tomruk, C., Tanalp, J., 2013, Photodynamic therapy in dentistry: a literature review, *Clinical Oral investigations*, 17(4): 1113-1125.

- Haag, P.A., Steiger-Ronay, V., Schmidlin, P.R., 2015, The in vitro antimicrobial efficacy of PDT against periodontopathogenic bacteria, *International Journal of Molecular Sciences*, 16 : 27.327-27.338.
- Habiboallah, G., Mahdi, Z., Mahboheh, N.N., Mina, Z.J., Sina, F., Majid, Z., 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, *Journal of Laser Therapy*, 23(4) : 263–271.
- Hall, W. B., 2003, *Critical Decisions in Periodontology*, BC Decker, London.
- Haris, P.M.M., Panickal, D.M., 2017, Role of metronidazole as a local drug delivery in the treatment of periodontitis: a review, *International Journal of Oral Health and Medical Research*, 3(6): 141-145.
- Haveles, E.B., 2000, *Delmar's Dental Drugs Reference*, Delmar, New York.
- Hope, C.K., Hindley, J.A., Khan, Z., Jong, E.J., Higham, S.M., 2013, Lethal photosensitization of *Porphyromonas gingivalis* by their endogenous porphyrins under anaerobic conditions: an in vitro study, *Photodiagnosis and Photodynamic Therapy*, 10(4): 677-682.
- Huang, L., Xuan, Y., Koide, Y., Zhiyentayev, T., Tanaka, M., Hamblin, M.R., 2012, Type I and type II mechanisms of antimicrobial photodynamic therapy: an in vitro study on Gram-negative and Gram-positive bacteria, *Lasers in Surgery and Medicine*, 44(6): 490-499.
- Jacob, S., 2012, Global prevalence of periodontitis : a literature review, *International Arab Journal of Dentistry*, 3(1) : 27-30
- Junqueira, H.C., Severino, D., Dias, L.G., Gugliotti, M.S., Baptista, M.S., 2002, Modulation of methylene blue photochemical properties based on adsorption at aqueous micelle interfaces, *Physical Chemistry Chemical Physics*, 11(4): 2320-2328.
- Karamifar, K., Fekrazad, R., Bahador, A., 2016, Comparison of antibacterial effect of photodynamic therapy using indocyanine green (emundo) with 2% metronidazole and 2% chlorhexidine gel on *Porphyromonas gingivalis* (an in vitro study), *Journal of Photodiagnosis and Photodynamic Therapy*, 15 : 28-33.

- Kayser, F.H., Bienz, K.A., Eckert, J., Zinkernagel, R.M., 2005, *Medical Microbiology*, Thieme Stuttgart, New York.
- Larsen, T., 2002, Susceptibility of *Porphyromonas gingivalis* in biofilms to amoxicillin, doxycycline and metronidazole, *Oral Microbiology Immunology*, 17: 267-271.
- Lindhe, J., Karring, T., Lang, N.P., 2003, *Clinical Periodontology and Implant Dentistry 4th Edition*, Blackwell Publishing, Oxford.
- Lubart., R., Lipovski, A., Nitzan, Y., Friedmann, H., 2011, A possible mechanism for the bactericidal effect of visible light, *Laser Therapy*, 20(1): 17-22
- Mahdi, Z., Habiboallah, G., Mahboheh, N.N., Mina, Z.J., Majid, Z., Nooshin, A., 2015, lethal effect of blue light-activated hydrogen peroxide, curcumin and erythrosine as potential oral photosensitizers on the viability of *Porphyromonas gingivalis* and *Fusobacterium nucleatum*, *Laser Therapy*, 24(2): 103-111.
- McDonnell, G., Russell, A.D., 1999, Antiseptics and Disinfectants: Activity, Action, and Resistance, *Clinical Microbiology Reviews*, 12(1): 147-179.
- Mysak, J., Podzimek, S., Sommerova, P., Lyuya-Mi, Y., Bartova, J., Janatova, T., Prochazkova, J., Duskova, J., 2014, *Porphyromonas gingivalis*: major periodontopathic pathogen overview, *Journal of Immunology Research*, 2014: 1-8.
- Naito, M., Hirakawa, H., Yamashita, A., Ohara, N., Shoji, M., Yukutahei, H., Nakayama K., Toh, H., Yoshimura F., Kuhara, S., Hatori, M., Hayasht, T., and Nakayama, K., 2008, Determination of the genome sequence of *Porphyromonas gingivalis* strain ATCC 3327 and genomic comparison with strain W83 revealed extensive genome rearrangements in *P.gingivalis*, *DNA Research*, 15: 215-225.
- Nakayama, K., 2015. *Porphyromonas gingivalis* and related bacteria: from colonial pigmentation to the type IX secretion system and gliding motility, *Journal of Periodontology Research*, 39: 1-8.
- Newmann, M.G., Takei, H.H., Klokkevold, P.R., Carranza, F.A., 2012, *Carranza's Clinical Periodontology 11th Edition*, Elsevier Saunders, Missouri.

- Notohartoyo, I.T., Sihombing, M., 2015, Faktor risiko pada penyakit jaringan periodontal di Indonesia (RISKESDAS 2013), *Buletin Penelitian Sistem Kesehatan*, 18(1) : 87-94.
- Nurul, D., 2002, Infeksi dalam bidang periodonsia, *Jurnal Kedokteran Gigi Universitas Indonesia*, 39: 14-16.
- Poulet, P.P., Duffaut, D., Lodter, J.P., 1999, Metronidazole Susceptibility Testing of Anaerobic Bacteria Associated With Periodontal Disease, *Journal of Clinical Periodontology*, 26: 261-263.
- Rajagopalan, A., Thomas, J.T., 2014, Effectiveness of metronidazole as local drug delivery in periodontal diseases: a review, *Journal of Dental and Medical Sciences*, 13(8): 25-28.
- Rajesh, S., Koshi, E., Philip, K., Mohan, A., 2011, Antimicrobial photodynamic therapy: an overview, *Journal of Indian Society of Periodontology*, 15(4): 323-327.
- Rose, L.F., Genco, R.J., Cohen, D.W., Mealey, B.L., 2000, *Periodontal Medicine*, BC Decker, London
- Ryan, K.J., Ray, C.G., 2004, *Sherris Medical Microbiology 4th Edition*, McGraw Hill, New York.
- Samaranayake, L., 2006, *Microbiology for Dentistry 3rd Edition*, Churchill Livingstone, London.
- Scientific Committee on Consumer Safety, 2010, *Opinion on CI 45430 (Erythrosine)*, Directorate-General for Health&Consumers, European Commission.
- Shanbhag, T.V., Shenoy, S., Nayak, V., 2014, *Pharmacology for Dentistry 2nd Edition*, Elsevier, New Delhi.
- Soukos, N.S., Som, S., Abernethy, A.D., Ruggiero, K., Dunham, J., Lee, C., Doukas, A.G., Goodson, J.M., 2005, Phototargeting oral black-pigmented bacteria, *Antimicrobial Agents and Chemotherapy*, 49(4): 1391-1396.
- Sperandio, F.F., Huang, Y.Y., Hamblin, M.R., 2013, Antimicrobial photodynamic therapy to kill Gram-negative bacteria, *Recent Patents of Antiinfective Drug Discovery*, 8(2): 108-120.

- Suwandi, T., 2003, efek klinis aplikasi subgingival racikan gel metronidazol 25% dan larutan povidon-iodin 10% sebagai terapi penunjang skeling-penghalusan akar pada periodontitis kronis, *Journal of Dentistry Indonesia*, 10(2): 669-674.
- Tatakis, D.N., Kumar, P.S., 2005, Etiology and pathogenesis of periodontal diseases, *Dental Clinics of North America*, 49(3): 491-516.
- Tedjasulaksana, R., 2016, Metronidasol Sebagai Salah Satu Obat Pilihan Untuk Periodontitis Marginalis, *Jurnal Kesehatan Gigi*, 4(1): 19-23.
- Teerakapong, A., Damrongrungruang, T., Sattayut, S., Morales, N.P., Tantananugool, S., 2017, Efficacy of erythrosine and cyaniding-3-glucoside mediated photodynamic therapy on *Porphyromonas gingivalis* biofilms using green light laser, *Photodiagnosis and Photodynamic Therapy*, 20: 154-158.
- Uekubo, A., Hiratsuka, K., Aoki, A., Takeuchi, Y., Abiko, Y., Izumi, Y., 2016, Effect of antimicrobial photodynamic therapy using rose bengal and blue light emitting diode on *Porphyromonas gingivalis* in vitro : influence of oxygen during treatment, *Laser Therapy*, 24(4): 299-308.
- Wood, S., Metcalf, D., Devine, D., Robinson, C., 2006, Erythrosine is a potential photosensitizer for the photodynamic therapy of oral plaque biofilms, *Journal of Antimicrobial Chemotherapy*, 57(4): 680-684.
- Yoshida, A., Sasaki, H., Toyama, T., Araki, M., Fujioka, J., Tsukiyama, K., Hamada, N., Yoshino, F., 2017, Antimicrobial effect of blue light using *Porphyromonas gingivalis* pigment, *Scientific Reports*, 7(5225) : 1-8.