

DAFTAR PUSTAKA

- Abdullah, N., 2018, Hubungan Status Kesehatan Gigi dan Mulut Anak Sekolah Dengan Pelaksanaan UKGS (Usaha Kesehatan Gigi Sekolah) di Sekolah Dasar dan Sederajat Se Kota Makassar, *Media Kesehatan Gigi*, Vol. 17 (1): 32-38
- Abbas. A.K., dan Litchman, A.H., 2016. *Basic Immunology: Function and disorder and the immune system*, Sccond edition, Elsevier, Shang hai
- Abe, R., Oda, S., Sadahiro, T., Nakamura, M., Hirayama, Y., Tateishi, Y., Shinozaki, K., dkk., 2010. Gram-negative bacteremia induces greater magnitude of inflammatory response than Gram-positive bacteremia. *Crit Care* 14: 25-27
- Ahmed, H.M.A., 2014. Pulpectomy procedures in primary molar teeth. *European Journal of General Dentistry*, 3(1): 3-10
- American Academy of Pediatric Dentistry. 2012. *Guideline On Management Of Developing Dentition And Occlusion In Pediatric Dentistry*
- Aisyah, S.J., 2020. Identify the Protective Effect of Garlic as Antioxidant Against Free Radicals, *Jurnal Ilmiah Kesehatan Sandi Husada*, 9(2) : 1051-1056
- Ananta, G.A.P.Y.V., 2020. Potensi Batang Pisang (*Musa pardisiaca* L.) dalam Penyembuhan Luka Bakar, *Jurnal Ilmiah Kesehatan Sandi Husada*, 11(1): 334–340
- Anggraeni, D., Kamaluddin, H.M.T., Theodorus, 2020. Effectiveness of Garlic Water Extract Gel (*Allium sativum*. L) Against Necrotic Factor Alfa (TNF- α) Tumors and Mouth Ulcer Diameter in Rats, *Biomedical Journal of Indonesia*, 6(1) : 1-8
- Anila, B., Murali, H., Cheranjeevi, H., dan Kapil, R.S., 2014. . Lesion sterilization and tissue repair (LSTR): A review. *J Sci Dent*. 4:49-55
- Ardiansyah, Utariani, A., Sumartono, C., Semedi, B.P., dan Susilo, I., 2021. Ekspresi Interleukin 1 dan Tumor Necrosis Factor Alpha pada Pemberian Ropivacain di Sekitar Luka Terhadap Proses Penyembuhan Luka. *Jurnal Syntax Transformation*. 2(2) : 157-165
- Aşık, A., dan Öncəğ, O., 2022. Alternative Endodontic Technique in Pediatric Dentistry: Lesion Sterilization and Tissue Repair, *Clinical Dentistry Reviewed*, 6(8) : 1-6

- Ban, O.J., Oh, J.H., Kim, T.M., Kim, D.J., Jeong, H.S., Han, S.B., dan Hong, J.T., 2009. Anti-Inflammatory and Arthritic Effects of Thiacremonone, A Novel Sulfurcompound Isolated from Garlic via Inhibition Of NF-Kb. *Arthritis Res Ther*, 11(5): 145-150
- Bayan, L., Koulivand, P. H., dan Gorji, A., 2017. Garlic: A Review of Potential Therapeutic Effects, *Avicenna Journal of Phytomedicine*, 4(1): 1–14
- Benzie, I.F.F. dan Galor, S.W., 2011. Herbal Medicine: Biomolecular and Clinical Aspects. 2nd edition. CRC Press/Taylor : Francis
- Berman, L.H. dan Hargreaves, K.M., 2021. *Cohen's pathways of the pulp*. 12th Ed. St. Louis : Elsevier
- Birring, O.J.S., Vilorio, I.L., dan Nunez, P., 2015. Anti-microbial efficacy of *Allium sativum* extract against *Enterococcus faecalis* biofilm and its penetration root dentin : An in vitro study, *Indian Journal of Dental Research*, 26 (5) : 477-482
- Borlinghaus, J., Albrecht, F., Gruhlke, M.C.H., Nwachukwu, I.D., dan Slusarenko, A.J. 2014. Allicin: Chemistry and Biological Properties. *Molecules*, 19: 12591-12618
- Bramanti, I., Sudarso, I.S.R., Wahyuningsih, M.S.H., Wibawa, T., Karina, V.M., dan Kusumawardani, B., 2018. Ethanolic Garlic Extract (*Allium sativum* L.) Increased Viability and Proliferation of Human Gingival Fibroblast In Vitro, *BJMS*, 17: 556-561
- Bramanti I., 2019. Pengaruh Ekstrak Bawang Putih (*Allium sativum* L.) Sebagai Bahan Dressing Intrakanal Terhadap Hasil Perawatan Saluran Akar Gigi Desidui (Kajian In vitro dan Klinis: Biokompatibilitas, Antibakteri, Antiinflamasi, Analgetik, dan Pertumbuhan Sel) (disertasi). Yogyakarta: Universitas Gadjah Mada
- Burrus, D., Barbeau, L., dan Hodgson, B., 2014. Treatment of abscessed primary molars utilizing lesion sterilization and tissue repair: literature review and report of three cases. *Pediatric dentistry*, 36(3), 240-244
- Castaneda, O.A., Lee, S.C., Ho, C.T., dan Huang, T.C., 2017. Macrophages in Oxidative Stress and Models to Evaluate the Antioxidant Function of Dietary Natural Compounds. *J Food Drug Anal*, 25(1) : 111-118
- Chakraborty, B., Nayak, A.P., dan Rao, A., 2018. Efficacy of Lesion Sterilization and Tissue Repair in Primary Tooth with Internal Resorption: A Case Series. *Contemporary Clinical Dentistry*. 9: 361-364

- Chmilewsky, F., Jeanneau, C., Dejou, J., dan About, I., 2014. Sources of Dentin-Pulp Regeneration Signals and Their Modulation by The Local Microenvironment, *J. Endod.* 40:19-25
- Cruz, E.V., Kota, K., Huque, J., Iwaku, M. dan Hoshino, E., 2002. Penetration of Propylene Glycol Into Dentine. *Int. Endod. J.* 35: 330-336
- Dammascken, T., 2010, Rat Molar Teeth As A Study Model For Direct Pulp Capping Research In Dentistry, *Sage Journals*, 44: 1-6
- Dinareello, A.C., 2011. Interleukin-1 in The Pathogenesis And Treatment Of Inflammatory Diseases, *Blood*, 117: 3720-3730
- Dorasani, G., Madhusudhana, K., dan Chinni, S.K., 2013, Clinical and radiographic evaluation of single-visit and multi-visit endodontic treatment of teeth with periapical pathology: An in vivo study, *Journal of Conservative Dentistry*, 16 (6) :484-488
- Eja, M.E., Asikong, B.E., Abriba, C., Arikpo, G.E., Anwan, E.E. dan Enyi-Idoh, K.H., 2007. A comparative assessment of the antimicrobial effects of garlic (*Allium sativum*) and antibiotics on diarrheagenic organisms. *Southeast Asian journal of tropical medicine and public health*, 38(2): 343-347
- Elekofehinti, O.O., Lawal, A.O., Ejeloni, O.C., Jeff-Agboola, Y.A., Famusiwa, C.D., dan Adanlawo, I.G., 2019. In Silico Antimicrobial Properties of Saponins Against Food Pathogens and Spoilage Microorganism, *Nig. J. Pure & Appl. Sci*, 32(2): 3436-3446
- Fields, J.K., Gunther, S., dan Sundberg, E.J., 2019. Structural Basis of IL-1 Family Cytokine Signaling. *Front. Immunol*, 10 : 1412
- Gabay, C., Lamacchia, C., Palmer, G., 2010. IL-1 Pathways in Inflammation and Human Diseases, *Nat. Rev. Rheumatol*, 6: 232–241
- Gautam, N., Kumar, D., Kumar, R., Kumar, S., Sharma, S., Dogra, B., dan Parmar, Y., 2014. Growth and Yield Of Garlic (*Allium Sativum* L) As Influenced By Clove Weight and Plant Growth Regulators. *Int J Farm Sci*, 4(3):49–57
- Gebreyohannes, G. dan Gebreyohannes, M., 2013. Medical Values of Garlic: A Review, *International Journal of Medicine and Medical Sciences*, 5(9): 400-402
- Ginwala, R., Bhavsar, R., Chigbu, D. G. I., Jain, P., dan Khan, Z.K., 2019. Potential Role of Flavonoids in Treating Chronic Inflammatory Diseases with a Special Focus on the Anti-Inflammatory Activity of Apigenin, *Antioxidants*, 8(2): 35

Gopikrishna, V., 2021. *Grossman's endodontic practice*. India : Wolters Kluwer Health.

Grewal, N., Sharma, N. dan Chawla, S., 2018. Comparison of Resorption Rate of Primary Teeth Treated with Alternative Lesion Sterilization and Tissue Repair and Conventional Endodontic Treatment: An In Vivo Randomized Clinical Trial, , 36(3): 262-267

Gutner, G., 2007. *Wound Healing, Normal and Abnormal*. In *Grabb and Smith's Plastic Surgery* 6th edition. Philadelphia: Elseviers.

Hargreaves, M.K. dan Goodis, H.E., 2002. *Seltzer and bender's dental pulp*. Carlos Stream: Quintessence Publishing Co., Inc. p. 137-139.

Hau, J., dan Van Hoosier, G., 2003. *Handbook of Laboratory Animal Science, Second Edition: Essential Principles and Practices*. 2nd Ed, Florida : CRC Press LLC

Hernawan, U.E. dan Setyawan, A.D., 2003, Review: Senyawa Organosulfur Bawang Putih (*Allium sativum* L.) dan Aktifitas Biologinya, *Biofarmasi*, 1(2): 65-76

Hoshino, E., Iwaku, M., Sato, M., Ando, N., dan Kota, K., 1990. Bactericidal Efficacy Metronidazole Against Bacteria of Human Carious Dentin In Vivo, *Caries Res*. 22:280-282

Hoshino, E., 2004. LSTR 3Mix-MP Method – Better and Efficient Clinical Procedures Of Lesion Sterilization and Tissue Repair (LSTR) Therapy. *Dental Rev*, 6(4): 252

Hussain, T., Tan, B., Yin, Y., Blachier, F., Tossou, M. C. B., dan Rahu, N., 2016. Oxidative Stress and Inflammation: What Polyphenols Can Do for Us? *Oxidative Medicine and Cellular Longevity*, 1-6

Hutapea, J.R., 2000, *Allium sativum* Linn., *Inventaris Tanaman Obat Indonesia (I), Jilid I*, Departemen Kesehatan dan Kesejahteraan Sosial RI, Badan Penelitian dan Pengembangan Kesehatan, Jakarta

Jiang, X.W., Hu, J., dan Mian, F.I., 2008, A New Therapeutic Candidate for Oral Aphthous Ulcer : Allicin, *Medical Hypotheses*, 71: 897-899

Kacew, S., Dixit, R., dan Ruben, Z., 1998, Diet and Rat Strain As Factors In Nervous System Function and Influence of Confounders, *Biomedical and Environmental Sciences*, 11(3): 2013-217

Kaneko, N., Kurata, M., Yamamoto, T., Morikawa, S., dan Masumoto, J., 2019. The Role of Interleukin-1 in General Pathology, *Inflammation and Regeneration*, 39: 1-16

Kartika, A.A., Siregar, H.C.H., dan Fuah, A.M., 2013, Strategi Pengembangan Usaha Ternak Tikus (*Rattus norvegicus*) dan Mencit (*Mus musculus*) di Fakultas Peternakan IPB. *Jurnal Ilmu Produksi dan Teknologi Hasil Peternakan*, 1(3): 147-54

Kayalvizhi G., Subramaniam, B., dan Suganya, G., 2013. Topical Application Of Antibiotics In Primary Teeth: An overview, *J Dent Child (Chic)*, 80: 71-79

Kementerian Kesehatan RI, 2018. *Laporan Nasional RISKESDAS 2018*, Jakarta. Lembaga Penerbit Badan Penelitian dan Pengembangan Kesehatan

Khubber, S., Hashemifesharaki, R., Mohammadi, M., dan Gharibzahedi, S.V.M., 2020. Garlic (*Allium sativum* L.): a Potential Unique Therapeutic Food Rich in Organosulfur and Flavonoid Compounds to Fight with COVID 19, *Nutrition Journal*, 19:124-126

Kim, J., Kim, Y., Shin, S., Park, J., dan Jung, I., 2010. Tooth Discoloration Of Immature Permanent Incisor Associated With Triple Antibiotic Therapy: A Case Report, *J Endod*, 36:1086–1091

Kim, J.S., Kim, K.D., Na, H.S., Jeong, S.Y., Park, H.R., Kim, S., dan Chung, J., 2012. Tumor Necrosis Factor- α and Interleukin-1 β Expression Pathway Induced by *Streptococcus Mutans* in Macrophage Cell Line RAW 264.7, *Molecular Oral Microbiology*, 27: 149-159

Kim, B., Lee, Y., Kim, E., Kwak, A., Ryoo, S., Bae, S.H., Azam, T., 2013, The Interleukin-1 α Precursor is Biologically Active and is Likely a Key Alarm in In The IL-1 Family Of Cytokines. *Front Immunol*. 4: 1-9

Kresno, S.B., *Imunologi*. Jakarta. Badan Penerbit FKUI; 2010. p. 95, 215-225

Kumar, V., Abbas, A., Fausto, N., Robbins, S.L., dan Cotran, R., *Pathologic basis of disease*. 8th ed. Philadelphia: Saunders; 2006. p. 48-85

Lee, Y.J. dan Eun, J.R., 2012. Cilostazol Decreases Ethanol-Mediated Tnf α Expression In RAW264.7 Murine Macrophage and In Liver From Binge Drinking Mice. *Korean J Physiol Pharmacol*, 16:131–138

Lo Hahn, C. dan Liewehr, F.R., 2007. Innate Immune Responses of The Dental Pulp to Caries. *J Endo*, 3: 643–651

- Mahfouz, S.M. dan Wahba, O.M., 2019. Comparative Evaluation of Pulpal Response to Tri-antibiotic Paste and *Allium Sativum* with Formacresol as Pulpotomy Medication in Primary Teeth: An in vivo Study. *Egyptian Dental Journal*, 65(4- October (Orthodontics, Pediatric & Preventive Dentistry)), 3131-3142
- McDonald, R.E. dan Avery, D.R., 1994. *Dentistry for the Child and Adolescent*, 6th Ed, St Louis : Mosby
- Mohammadi, Z., Jafarzadeh, H., Shalavi, S., Yaripour, S., Sharifi, F., dan Kinoshita, J., 2018, A Review on Triple Antibiotic Paste as a Suitable Material Used in Regenerative Endodontics. *Iranian Endodontic Journal* 3(1): 1-6
- Mohan, S., 2016. Interleukin-1beta: A Common Thread Between Inflammation, Pain and Opioid Tolerance, *Neuroimmunol Neuroinflammation*, 3: 201-203
- Mooduto, L., 2012. *Respon Imun pada Inflamasi Jaringan Pulpa*, Surabaya : Revka Petra Media
- Moulia, M.N., Syarief, R., dan Iriani, E.S., 2018, Kusumaningrum, H.D., Suyatma, N.E., Antimikroba Ekstrak Bawang Putih, *Pangan*, 27:55-56
- Octaviantie, P.D., Purwaningsih, S., dan Hajat, A., 2017. Pengaruh Cara Pengolahan Bawang Putih (*Allium Sativum*) Terhadap Efek Antitrombotik pada Mencit. *Jurnal Kedokteran Syiah Kuala*, 17(3) : 157-160
- Oishi, Y. dan Manabe, I., 2018. Macrophages in Inflammation, Repair, and Regeneration. *International Immunology*, 30(11) : 511-528
- Papu, S., Jaivir, S., Sweta, S., dan Singh, B.R., 2014, Medicinal Values of Garlic (*Allium sativum* L.) Human Life: An Overview, *Greener Journal of Agricultural Sciences*, 4(6): 265-80
- Parakh, K., Kothari, S., Daga, P., Harsha, G.V.D., Sarda, R., Tamrakar, A., 2021. Lesion sterilization and tissue repair therapy using GAM antibiotic paste: A series of cases. *International Journal of Health Sciences*, 5(2):453–458
- Prabhakar, A.R., Sridevi, E., Raju, O.S., dan Satish, V., 2008. Endodontic Treatment of Primary Teeth Using Combination Of Antibacterial Drugs: An In Vivo Study, *J Indian Soc Pedod Prevent Dent*. 26 : 5-10
- Prasonto, D., Riyanti, E., dan Gartika, M. (2017). Uji Aktivitas Antioksidan Ekstrak Bawang Putih (*Allium sativum*). *ODONTO: Dental Journal*, 4(2): 121-128

- Primadina, N., Basori, A., dan Perdanakusuman, D.S., 2019. Proses Penyembuhan Luka Ditinjau dari Aspek Mekanisme Seluler dan Molekuler. *Qanun Medika*, 3(1) : 31-43
- Rosidah, I., Ningsih, S., Renggani, T. N., Efendi, J., dan Agustini, K., 2020. Profil Hematologi Tikus Rattus Norvegicus Galur Sprague-Dawley Jantan Umur 7 Dan 10 Minggu. *JBBI*, 7(1), 136–145
- Sabir, A., Tabbu, C.R., Agustiono, P., dan Sosroseno, W., 2005. Histological Analysis of Rat Dental Pulp Tissue Capped With Propolis, *Journal of Oral Sciences*, 47(3): 135-138
- Sain, S., Reshmi, J., Anandaraj, S., George, S., Issac, J.S., dan John, S.A., 2018. Lesion Sterilization and Tissue Repair–Current Concepts and Practices, *IJCPD*, 11: 446-450
- Sasi, M., Kumar, S., Kumar, M., Thapa, S., Prajapati, U., Tak, Y., dan Changan, S, 2021. Garlic (*Allium sativum* L.) Bioactives and Its Role in Alleviating Oral Pathologies, *Antioxidants*, 10 : 1847- 1881
- Sato, I., Ando-Kurihara, N., Kota, K., Iwaku, M., dan Hoshino, E., 1996. Sterilization of Infected Root-Canal Dentine By Topical Application of A Mixture of Ciprofloxacin, Metronidazole And Minocycline In Situ, *Int Endod J*, 29: 118-124
- Schäfer, G. dan Kaschula, C.H., 2014. The Immunomodulation and Anti-Inflammatory Effects of Garlic Organosulfur Compounds in Cancer Chemoprevention, *Anti-Cancer Agents in Medicinal Chemistry*, 14: 233-240
- Shailaja, S. dan Suresh, B.S., 2014. Endodontic Microflora- A Review, *J Oral Health Comm Dent*, 8(3): 160-165
- Shankar, K., Ramkumar, H., Dhakshinamoorthy, S., Paulindrara, j S., Jayakaran, T.G., Bommareddy, C.S., 2021. Comparison of modified triple antibiotic paste in two concentrations for lesion sterilization and tissue repair in primary molars: an in vivo interventional randomized clinical trial. *Int J Clin Pediatr Dent*, 14(3):388-392
- Shooriabi, M., 2021. Effects of *Allium sativum* (Garlic) and Its Derivatives on Oral Diseases: A Narrative Review, *J Res Dent Maxillofac Sci*, 6(1):36-44
- Silva, M.J., Kajiya, M., Alshaimi, E., Sasaki, H., Hong, J., dan Ok, P., 2012. Bacteria Reactive Immune Response May Induce RANKL-Expressing T Cells in The Mouse Periapical Bone Loss Lesion, *J Endod*, 38: 346-350
- Soeroso, A., 2007. Sitokin. *Jurnal Oftalmolgi Indonesia*, 5(3) ; 171-180

Soyso, N.S. dan Alles, N., 2016, Osteoclast Function and Bone-Resorbing Activity: An Overview. *Biochemical and biophysical research communications*, 476(3) : 115-120

Suryani, N., Sulistiawati, F., dan Fajriani, A., 2009, Kekuatan gel Gelatin Tipe B dalam Formulasi Granul terhadap kemampuan Mukoadhesif, *Makara Kesehatan*, 13 (1):1-4

Takushige, T., Cruz, E.V., Moral, A.A., dan Hoshino, E., 2004. Endodontic Treatment of Primary Teeth Using a Combination of Antibacterial Drugs, *International Endodontic Journal*, 37: 132-138

Torabinejad, M., Fouad, A.F., dan Shabahang, S., 2021. *Endodontics Principles and Practise*, 6th Ed, China : Elsevier

Yang, J., Tang, R., Yi, J., Chen, Y., Li, X., Yu, T., dan Fei, J. 2019, Diallyl disulfide alleviates inflammatory osteolysis by suppressing osteoclastogenesis via NF- κ B–NFATc1 signal pathway, *The FASEB Journal*, 33(6):7261

Youn, H.S., Lim, H.J., Lee, H.J., Hwang, D., Yang, M., Jeon, R., dan Ryu, J.H., 2008. Garlic (*Allium sativum*) Extract Inhibits Lipopolysaccharide-Induced Toll-Like Receptor 4 Dimerization, *Biosci Biotechnol Biochem*, 2: 368-375