

DAFTAR PUSTAKA

1. Riskesdas. Hasil riset kesehatan dasar. Kementrian kesehatan republic Indonesia. Jakarta : Indonesia; 2018:207
2. Passarelli PC, Pagnoni S, Piccirillo GB, Desantis V, Benegiamo M, Liguori A, et al. Reasons for tooth extractions and related risk factors in adult patients: A cohort study. *Int J Environ Res Public Health*. 2020;17(7).
3. Cortellini P, Stalpers G, Mollo A, Tonetti MS. Periodontal regeneration versus extraction and prosthetic replacement of teeth severely compromised by attachment loss to the apex: 5-year results of an ongoing randomized clinical trial. *J Clin Periodontol*. 2011;38(10):915–24.
4. Newman MG, H.Tahei H, Klokkevold PR, Carranza FA. Newman and Carranza's Clinical Periodontology , Thirteenth Edition. Elsevier. 2019;1(1):101
5. Pradeep AR, Bajaj P, Rao NS, Agarwal E, Naik SB. Platelet-Rich Fibrin Combined With a Porous Hydroxyapatite Graft for the Treatment of 3-Wall Intrabony Defects in Chronic Periodontitis: A Randomized Controlled Clinical Trial. *J Periodontol*. 2017;88(12):1288–96.
6. Slots J. Periodontitis: facts, fallacies and the future. *Periodontol* 2000. 2017;75(1):7–23.
7. Achmad H, Oktawati S, Adam AM, Pasiga B, Sjahril R, Azizah A, et al. Granulicatella adiacens bacteria isolation from perodontitital patients with polymerase chain reaction techniques. *Syst Rev Pharm*. 2020;11(4):396–400.
8. Mb, P Katsimbri. The biology of normal bone remodelling. 2017;(June):1–5.
9. Vieira AE, Repeke CE, Barros S De, Junior F, Colavite PM, Biguetti CC, et al. Intramembranous Bone Healing Process Subsequent to Tooth Extraction in Mice : Histomorphometric and Molecular Characterization. 2015;1–22.
10. Chang Y, Cho B, Kim S, Kim J. Direct conversion of fibroblasts to osteoblasts as a novel strategy for bone regeneration in elderly individuals. *Exp Mol Med [Internet]*. 2019;51(5):1–8. Available from: <http://dx.doi.org/10.1038/s12276-019-0251-1>
11. Kenkre JS, Bassett JHD. The bone remodelling cycle. *Ann Clin Biochem*. 2018;55(3):308–27.
12. Usu. “Bab 2 bone graft dan jenis bone graft”. Diakses 08 Februari 2022. Diambil dari : <http://repository.usu.ac.id/bitstream/handle/123456789/25273/Chapter%20II.pdf;sequence=3>
13. Titsinides S, Agrogiannis G, Karatzas T. “Bone grafting materials in dentoalveolar reconstruction: A comprehensive review”. *Jpn Dent Sci Rev [Internet]*. 2019;55(1):26–32. Available from: <https://doi.org/10.1016/j.jdsr.2018.09.003>
14. Thahir H, Oktawati S, Gani A, Mappangara S, Cangara MH, Patimah, et al. The effectiveness bone graft of snakehead fish bones (Channa

- striata) in the gelatin form on the osteocalcin (ocn) expressions. *Int J Pharm Res.* 2020;12(2):4365–9.
15. Sudiono J. “Sistem kekebalan tubuh”. Jakarta :EGC, 2014.p.52-54
 16. Sataloff RT, Johns MM, Kost KM. *Graf Tulang & Material Pengganti Tulang, Karakteristik dan Strategi Aplikasi Klinis.* pertama. Dr. Dwikora Novembri Utomo, dr. SO, editor. Surabaya: Airlangga University press; 2018. 77 p.
 17. Mulawarmanti D. Biota Laut Sebagai Alternative Bahan Obat (Pemanfaatan Teripang Emas Sebagai Terapi Ajuvan Di Kedokteran Gigi). *Pros Semin [Internet].* 2019;1–10. Available from: <http://prosidingseminakel.hangtuah.ac.id/index.php/ps/article/view/256>
 18. Wahyuningtyas E, Hsu L, Lan W, Wen S, Ou K, Chou H, et al. Application of a Promising Bone Graft Substitute in Bone Tissue Regeneration : Characterization , Biocompatibility , and In Vivo Animal Study. 2019;2019.
 19. Sari RP, Kurniawan H. Effectiveness of Anadara granosa shell-Stichopus hermanni granules at accelerating woven bone formation fourteen days after tooth extraction. *Dent J (Majalah Kedokt Gigi).* 2019;52(4):177.
 20. Boyce BF, Rosenberg E, de Papp AE, Duong LT. The osteoclast, bone remodelling and treatment of metabolic bone disease. *Eur J Clin Invest.* 2012;42(12):1332–41.
 21. Pradeep AR, Bajaj P, Rao NS, Agarwal E, Naik SB. Platelet-Rich Fibrin Combined With a Porous Hydroxyapatite Graft for the Treatment of 3-Wall Intrabony Defects in Chronic Periodontitis: A Randomized Controlled Clinical Trial. *J Periodontol.* 2017;88(12):1288–96.
 22. Adam M, Achmad H, * MN, Putri SW, Azizah A, Satya DE. Osteoblast and Osteocalcin in the Bone Regeneration Mardiana Adam and et al. *Journal of International Dental and Medical Research ISSN 1309-100X* <http://www.jidmr.com.2022;140–7>.
 23. Mei JDS, Su LGY, Liu HWY, Wang ZZS, Liu Y. rich fibrin / aspirin complex promotes alveolar bone regeneration in periodontal defect in rats. 2017;(June):1–10.
 24. Kumar P, Vinitha B, Fathima G. “Bone grafts in dentistry”. *J Pharm Bioallied Sci.* 2013;5(SUPPL.1):125–8.
 25. Djais Al, Thahir H, Hatta M, Achmad H, Sari M. Effect of moringa leaf extract (moringa oleifera) on increasing the number of osteoblas as a marker of bone remodeling. *Indian J Public Heal Res Dev.* 2019;10(9):1394–8.
 26. Florencio-silva R, Rodrigues G, Sasso-cerri E, Simões MJ, Cerri PS, Cells B. Biology of bone tissue: structure, function,, and factors that influence bone cells. *Biomed Res Int.* 2015;1–17
 27. Hienz SA, Paliwal S, Ivanovski S, Cells B, Homeostasis B. Mechanisms of bone resorption in periodontitis. *J Immunology Res.* 2015;1–10.
 28. Rucci N. Molecular biology of bone remodelling. *Clinical cases in mineral and bone metabolism.* 20085(1): 49-56.<http://dx.doi.org/10.1016/b978-0-12-410396-2.00041-4>.

29. Kim JM, Lin C, Stavre Z, Greenblatt MB, Shim JH. Osteoblast-Osteoclast Communication and Bone Homeostasis. *Cells*. 2020;9(9):1–14.
30. Belibasakis GN. Molecular mechanisms of bone resorption in periodontitis. 2011;
31. Robling AG, Castillo AB, Turner CH. Biomechanical and molecular regulation of bone remodeling. *Annu Rev Biomed Eng*. 2006;8(February 2006):455–98.
32. Djais A, Mappangara S, Gani A, Achmad H, Endang S, Tjokro J, et al. The effectiveness of Milkfish (*Chanos Chanos*) scales Chitosan on soft and hard tissue regeneration intooth extraction socket: A literature review. *Ann Rom Soc Cell Biol*. 2021;25(3):8729–52.
33. Damaiyanti D, Hangtuh U, Emas T. Karakterisasi Ekstrak Air Teripang Emas (*Stichopus hermanii*). 2018;(November).
34. Suryaningrum TD. teripang: Potensinya sebagai bahan Nutraceutical Dan Teknologi Pengolahannya. *Squalen Bull Mar Fish Postharvest Biotechnol*. 2008;3(2):63.
35. Damaiyanti D, Hangtuh U, Emas T. Karakterisasi Ekstrak Air Teripang Emas (*Stichopus hermanii*). 2018;(November).
36. Sandana IKI, Velisia J, Yuniur A, Brahmanta A, Prameswari N. <p>Potensi gel *Stichopus hermanii* dan Hyperbaric Oxygen Therapy untuk mempercepat perawatan ortodonti</p><p>Potential of *Stichopus hermanii* gel and Hyperbaric Oxygen Therapy in accelerating orthodontic treatment</p>. *J Kedokt Gigi Univ Padjadjaran*. 2017;29(3).
37. Wijaya S, Prameswari N, T ML. Pengaruh Pemberian Gel Teripang Emas Terhadap Remodeling Tulang Pergerakan Gigi Ortodonti (The Effect of *Stichopus hermanii* Gel on The Number of Osteoclast in the Pressure Area Bone Remodeling Ortodontic Tooth Movement). :2–6.
38. Hengky A. Peran hidroksiapatit sebagai bone graft dalam proses penyembuhan tulang. *stomatognatik J Kedokt Gigi*. 2011;8(2):6–9.
39. Suryanto b rochmat. Pemeliharaan dan penggunaan marmut sebagai hewan percobaan. 2012:2-6.
40. Tolistiawaty i, widjaja j, sumolang ppf, octaviani. Gambaran kesehatan pada mencit (*mus musculus*) di instalasi hewan coba health portrait of *mus musculus* in laboratory condition. *J vektor penyakit*. 2014;8(1):27-32
41. Yusuf et al. Phytochemical and antibacterial properties of sea cucumber (*muelleria lecanora*) from barrang lombo islands, makassar south sulawesi. *Rynnye lyan resources*. 2020; 4(6): 1887.
42. Oktaviani d, mulyani y, rochima y. Aktivitas antioksidan dan antibakteri ekstrak jeroan teripang *holothuria atra* dari perairan pulau biawak kabupaten indramayu. *Jurnal perikanan kelautan*. 2015; 2(1): 2.
43. Tantiningrum s. Formulasi dan evaluasi sediaan gel ekstrak daun kemangi (*ocimum bacilicum* l.). *Jurnal farmasindo politeknik indonusa surakarta*. 2019; 3(1): 3
44. Yunus. Sintesis Hydroxyapatite dari cangkang telur ayam ras. Diakses 01 Februari 2022. Diakses dari : https://www.academia.edu/33910536/sintesis_hydroxyapatite_dari_cangkang_telur_ayam_ras

45. Adam M, Thahir H, Achmad H, Putri SW, Satya DE. The Potential of Golden Sea Cucumber (*Stichopus hermanii*) in the Regeneration of Periodontal Tissues : a Literature Review. 2021;25(6):4407–18
46. Achmad H, Gani A, Djais A, Hatta LI, Rieuwpassa IE, Monry AYAA. Effectiveness of edible film chitosan from waste white shrimp (*Litopenaeus vannamei*) in reducing colonization of porphyromonas gingivalis bacteria: In vitro research. Ann Rom Soc Cell Biol. 2021;25(2):1673–81.
47. Pringgenies D, Rudiyaniti S, Yudiati E. Exploration of Sea Cucumbers *Stichopus hermanii* from Karimunjawa Islands as Production of Marine Biological Resources. IOP Conf Ser Earth Environ Sci. 2018;116(1).
48. Tamara R, Rochyani L, Teguh PB. Daya hambat ekstrak teripang emas (*Stichopus hermanii*) terhadap bakteri *Enterococcus faecalis*. Dent J Kedokt Gigi. 2015;9(1):1–11.