

Daftar Pustaka

1. Karasutisna T. Implan gigi untuk dokter gigi umum (diagnosis dan implantasi). Makalah Universitas Padjadjaran Fakultas Kedokteran Gigi. Bandung. 2004; 3-7.
2. Palmer R. Introduction to dental implants. *British Dent J.* 1999; 187(3).
3. Tetelepta R, Machmud E. Effect of addition of bioactive materials on dental implant based on the histology examination. *Makassar Dent J.* 2015; 4(4): 135-142.
4. Lin D, Li Q, Li W, Duckmanton N, Swain M. Mandibular bone remodeling induced by dental implant. *J Biomech.* 2010;43(2):287–93.
5. Choukroun J, Khoury G, Khoury F, Russe P, Testori T, Komiyama Y et al. Two neglected biologic risk factors in bone grafting and implantology: high low-density lipoprotein cholesterol and low serum vitamin D. *J Oral Implantol.* 2014; 40: 110-114.
6. Pelton K, Krieder J, Joiner D, Freeman MR, Goldstein SA, Solomon KR. Hypercholesterolemia promotes an osteoporotic phenotype. *Am J Pathol.* 2012; 181: 928-936.
7. Branemark. Tissue integrated prosthesis. Osteointegration in Clinical Dentistry, 1st ed. Germany; 1987.
8. Stephanía M, Maria FMC, Natália R, Márcia TR, Daniel ABL, Nayro XA. Protocols for preparation of platelet rich plasma (PRP) in quarter horses. *Pesq. Vet. Bras.* 2019; 39(8):614-621

9. Maitham. The effect of the concentration and the activation of platelet-rich plasma (PRP) or the proliferation and the differentiation of primary human alveolar bone osteoblasts culture. Proquest Information and Learning Co. 2006:9.
10. Suthar, MSG, Bukhari V. Ponemone. treatment of chronic non-healing ulcers using autologous platelet rich plasma: a case series. *J Biomed Sci*. 2017; 24 (16): 1–10.
11. Restu SH, Indra K, Yurika S. the effect of platele-rich plasma prp on proliferation viability of human dermal fibroblast (hdf) at high glucose concentration). *Jurnal Biologi Indonesia*. 2019; 15(2): 213-217.
12. Zechner S, Tangi G, Tepper S, Furst G, Bernhart T, Haas R, Mailath G, Watzek G. influence of platellet-rich plasma on osseus healing of dental implants: a histologic and histomorphometric study in minipigs. *Int J Oral Maxillofac Implants*. 2003;18(1):15-22.
13. Georgakopoulos I, Tsantis S, Korfiatis P, Fanti E, Martelli M, Costaridou L, Petsas T, Panayiotakis G, Martelli SV. The impact of platelet rich plasma (PRP) in osseointegration of oral implants in dental panoramic radiography: texture-based evaluation. *Clin Cases Mineral Bone Metab*. 2014; 11(1): 59-66.
14. Mohammed W A, Thair A L. The effect of platelet-rich plasma on osseointegration period of dental implants. *J Bagh Coll Dentistry*. 2015; 27(4):101-106.
15. Öncü E, Bayram B, Kantarcı A, Gülsever S, Alaaddinoğlu EE. Positive effect of platelet rich fibrin on osseointegration. *Med Oral Patol Oral Cir Bucal*. 2016;21 (5): 601-7.

16. Fontana S, Olmedo DG, Linares JA, Guglielmotti MB, Crosa ME. Effect of platelet-rich plasma on the peri-implant bone response: an experimental study. *Implant Dent.* 2004; 13:73-8.
17. Eppley BL, Woodell JE. Platelet Quantification and Growth factor Analysis from Platelet-Rich Plasma: Implications for wound healing. American Society of Plastic Surgeon. 2004; 114(6): 1502-8.
18. Indrianti MD, Tana S, Mardiati SM. Hematolofi kelinci (*lepus sp.*) setelah perlakuan implantasi material stainless stell aisi 316l selama 2,5 bulan. Buletin Anatomi dan Fisiologi. 2015; vol. 23 (2): 80-81.
19. Warreth A, Najia I, O'Leary RB, Cremonese M, Abdulrahim M. Dental implants: an overview. *Dent Update.* 2017; 44: 596-620.
20. Zupnik J, Kim S-W, Ravens D, Karimbux N, Guze K. Factors associated with dental implant survival: a 4-year retrospective analysis. *J Periodontol.* 2011; 82: 1390–1395.
21. Babbush CA. Dental implant principle and practice; 1st ed. WB Saunders Company. United States of America; 1991.
22. E Misch. Dental implant prosthetics. 2nd ed. Missori: Elsevier, Mosby; 2015.
23. Albrektsson T., Johansson C. Osteoinduction, osteoconduction and osseointegration. Eur Spine J.2001; 10 : 96–101.
24. Daliry S, Hallajisani A, Roshand JM, Nouri H, Golzary A. Investigation of Optimal Condition for Chlorella vulgaris Microalgae Growth. Review paper GJESM. 2017;218.

25. Renvert S, Giovannoli JL. Peri-implantitis. Paris, France: Quintessence International; 2012.
26. Sykaras N, Iacopino AM, Marker VA, Triplett RG, Woody RD. Implant materials, designs, and surface topographies: their effect on osseointegration. A literature review. *Int J Oral Maxillofac Implants* 2000; 15: 675–690.
27. Sela J, Gross UM, Kohavi D, Shani J, Dean DD, Boyan BD, Schwartz Z. Primary mineralization at the surfaces of implants. *Crit Rev Oral Biol Med* 2000; 1(4): 423-436.
28. Kresnoadi U. Rekayasa Jaringan dibidang prosthetic dentistry. Airlangga University Press; 2016.
29. Bernhardt R, Kuhlisch E, Schulz Mc, Eckelt U, Stadlinger B. Comparison Of Bone1Implant Contact And Bone-Implant Volume Between 2d-Histological Sections And 3D-Sr M Ct Slices. 2012;237–48.
30. Clarke B. Normal bone anatomy and physiology. *Clin J Am Soc Nephrol*. 2008; 3(3): 2,10-11.
31. Rinaldo FS, Gisela R, Estela SC, Manuel JS, Paulo SC. Biology of Bone Tissue: Structure, Function, and Factors That Influence Bone Cells. *BioMed Research International* Volume 2015; 1-17.
32. Mello ASS, Santos PL, Marquel A, Queiroz TP, Margonar R, Faloni APS. Some aspects of bone remodeling around dental implants. *Rev Clin periodontia implantol rehabil oral* 2016:2.
33. Dumitrescu AL. Bone graft and Bone Graft Substitutes in periodontal Therapy. Chemical in Surgical Periodontal Therapy Springer. 2011: 73-127

34. Rodent Jr RD. Principles of Bone Grafting. *Oral Maxillofacial Surgical Clin*; 2010: 295-300.
35. Nasr HF, Aichelmann-Reidy ME, Yukna RA. Bone and bone substitutes. *Periodontology* 2000; 19: 74-86.
36. Raghavendra SVD. Osseointegration. *J Pharm Bioallied Sci*. 2015; 7(1): 226–229.
37. Branemark PI. The Osseointegration Book – From Calvarium to Calcaneus. Quintessence Books; 2005.
38. Vaidya P, Mahale S, Kale S, Patil A. Osseointegration – a review. *IOSR-JDMS*. 2017; 16 (1): 45-8.
39. Daliry S, Hallajisani A, Roshandeh JM, Nouri H, Golzary A. Investigation of optimal Condition for Chlorella Vulgaris Microalgae Growth Review paper *GJESM*. 2017; 218
40. Javed F, Ahmed HB, Crespi R, Romanos GE. Role of primary stability for successful osseointegration of dental implants: Factors of influence and evaluation. *Interv Med Appl Sci*. 2013; 5(4): 162–7.
41. Ramazanoglu M, Oshida Y. Osseointegration and bioscience of implant surface-current concepts at bone-implant interface. *Implant Dentistry – A Rapidly Evolving Practice*. 2011.
42. F. Ganong, Fisiologi Kedokteran, Jakarta: Buku Kedokteran EGC, 1990: hal. 456.
43. Crane D, Evert PAM. platelet rich plasma (PRP) matrix graft. Practical Pain Management. 2008
44. Kathleen M, Alan D. Platelet-Rich Plasma: Support for its use in wound healing. *Yale J Biology and Medicine* 2010; 83: 1-9

45. Malik S, Sood M, Bindal D Platelet- Rich Plasma: a recent innovation in dentistry. *J Innovation Dent* 2011; 1(3).
46. Mappangara S, Burhanuddin DP, Djais AI. Hubungan kualitas darah dengan konsentrasi TGF- β 1 pada PRP : Dentofasial. 2014 juni 13(2) : 80-5
47. Moshiri A, Oryan A. Role of platelet rich plasma in soft and hard connective tissue healing: an evidence based review from basic to clinical application. *Hard Tissue* 2013; 2(1): 6.
48. Rodella L F, Bonazza V. Platelet preparation in dentistry: How? Why? When?Where?. *World J Stomatol* 2015; 4(2): 39-55
49. Kaur P, Puneet DV. Platelet Rich Plasma: A Novel Bioengineering Concept: Trends *Biomater. Artif. Organs.* 2011;25(2): 86-90
50. Greene, RM, Johnson B, O'Grady K, Toriumi DM. Blood Products in wound healing. in: Friedman CD, Gosain AK, Hom DB, Hebda PA. (editors). *Essential tissue healing of the face and neck.* Shelton, Connecticut: BC Decker Inc. 2009: 379-87
51. Puspita KY. Pengaruh chlorhexidine gluconate 0,12% terhadap keberhasilan perawatan periimplantitis mucositis. Bali. Universitas Mahasaraswati..2014
52. Dentino A, Lee S, Mailhot J, Hefti AF. Principles of periodontology. *Perodontology* 2000.2013;61: 16-53
53. Dhurat R, Sukesh MS. Princiles and methods of preparation of platelet-rich plasma: A review and author's perspective. *J Cutan Aesthet Surg.*2014;7: 189-197.
54. Moher D, Liberati A, Tetzlaff J, Altman DG, Group TP. Preferred reporting items for systematic reviews and meta-analyses : the PRISMA statement 2009;6(7).

55. Khan KS, Kunz R, Kleijnen J, Antes G. Five steps to conducting a systematic review. *J R Soc Med*. 2003; 96(3): 118–121.
56. Tawfik GM, Dila KAS, Mohamed MYF, Tam DNH, Kien ND, Ahmed AM, et al. A step by step guide for conducting a systematic review and meta-analysis with simulation data. *Trop Med Health*. 2019; 47(1):1–9.
57. Tufanaru C, Munn Z, Aromataris E, Campbell J, Hopp L. Chapter 3: Systematic reviews of effectiveness. In: Aromataris E, Munn Z (Editors). Joanna Briggs Institute Reviewer's Manual. The Joanna Briggs Institute, 2017. Available from <https://reviewersmanual.joannabriggs.org/>
58. Goplen CM, Verbeek W, Kang SH, Jones A, Voaklander DC, Churchill TA, Beaupre LA. Preoperative opioid use is associated with worse patient outcomes after Total joint arthroplasty: a systematic review and meta-analysis. *BMC Musculoskeletal Disorder*. 2019; 234(20): 1-12.
59. Thor A, Wannfors K, Sennerby L, Rassmusson L, Reconstruction of the Severely resorbed maxilla with autogenous bone , Platelet Rich Plasma. And implants: 1-Year Result of a controlled prospective 5-year study. 2005: 209-220
60. Thor A, Sennerby L, Hirsch JM, Rasmusson L, Bone formation at the maxillary sinus floor following simultaneous elevation of the mucosal lining and implant installation without graft material: An evaluation of 20 patients treated with 44 astra tech implants, American Assosiation of Oral and Maxillofacial Surgeons. 2007: 64-71
61. Schaaf H, Streckbein P, Lendeckel S, Heidinger K, Gortz B, Bein G, Boedeker RH, Schlegel KA, Howaldt P, Topical use platelet-rich plasma to influence bone volume

- in maxillary augmentation: a prospective randomized trial. Journal Compilation Blackwell Publishing Ltd, Vox Sanguinis. 2008; 94(1): 64-9
62. Schaaf H, Streckbein P, Lendeckel S, Heidinger KS, Rehmann P, Hasso R, Howaldt P, Sinus lift augmentation using autogenous bone grafts and platelet - rich plasma. Radiographic result. Oral Surgery, Oral medicine, Oral Pathology, Oral Radiology and Endodontic. 2008; 106(5): 673-8
63. Bettega G, Pierre J, Boutonnat J, Luc J, Louis J, Hegelhofer H, Drillat P, Jeanne M, Autologous platelet concetrates for bone graft enhancement n sinus lift procedure. Transfusion . 2009; 49(4): 779-785
64. Torres J, Tamimi F, Martinez P, Alkhrasat MH, Linarez R, Cabarcos E , Effect of Platelet Rich Plasma on sinus lifting: Randomized controlled clinical trial, Journal of Clinical Periodontology. 2009; 36: 677-687
65. Torres J, Tamimi F, Alkhraisat MH, Manchon A,Linares R, abarcos E, Platelet Rich Plasma may prevent titanium-mesh exposure in alveolar ridge augmentation with anorganic bovine bone, Journal Clinical Periodontology. 2010; 37: 943-951
66. Cabbar F, Guler N, Kurcku M, Iseri U, Sencift K, The effecy of bovine bone graft with or without Platelet Rich Plasma on maxillary sinus floor augmentation, American Assosiation of Oral and Maxillofacial Surgeons, 2011; 69: 2537-2547
67. Dasmah A, Thor A, Ekestubbe A, Sennerby L, Rasmusson L. Marginal bone-level alterations at implants installed in block versus particulate onlay bone grafts mixed with Platelet-Rich Plasma in atrophic maxilla. a prospective 5-year follow-up study of 15 patients. Clin Implant Dent Relat Res 2011: 1-8.

68. Taschieri S, Corbella S, Del Fabbro M. Mini-invasive osteotome sinus floor elevation in partially edentulous atrophic maxilla using reduced length dental implants: interim results of a prospective study. *Clin Implant Dent Relat Res.* 2012; 1-12.
69. Georgakopoulos I, Tsantis S, Georgakopoulos P, Korfiatis P, Fanti E, Martelli M, et al. The impact of Platelet Rich Plasma (PRP) in osseointegration of oral implants in dental panoramic radiography: texture-based evaluation. *Clin Cases Mineral Bone Metabolism.* 2014; 11(1): 59-66.
70. Schwartz-Arad D, Ofec R, Eliyahu G, Ruban A, Sterer N. Long term follow-up of dental implants placed in autologous onlay bone graft. *Clin Implant Dent Relat Res.* 2014; 1-13.
71. Eskan MA, Greenwell H, Hill M, Morton D, Vidal R, Shumway B, Girouards ME, Platelet Rich Plasma –Assisted guided bone regeneration for ridge augmentation: a randomized controlled clinical trial, 2013: 661-8
72. Kundu R, Rathee M, Effect of Platelet Rich Plasma (PRP) and Implant Surface Topography on Implant Stability and Bone. *Journal of Clinical and Diagnostic Research.* 2014; 8(6): 461-5
73. Monov G, Fuerst G, Tepper G, Watzak G, Zechner W, Watzek G, The effect of Platelet Rich Plasma upon implant stability measured by resonance frequency analysis in the lower anterior mandibles, 2005: 461-5
74. Kumar NK, Shaik M, Nadella KR, Chintapalli BM, Comparative study of alveolar bone height and implant survival rate between autogenous bone mixed with Platelet Rich Plasma versus venous blood for maxillary sinus lift augmentation procedure, *Journal Maxillofacial Oral Surgery* 2014: 643-7

75. Ogawa S, Hoshina H, Nakata K, Yamada K, Uematsu K, Kawase T, et al. High-resolution three-dimensional computed tomography analysis of the clinical efficacy of cultured autogenous periosteal cells in sinus lift bone grafting. *Clinical Implant Dental Related Research.* 2016; 18(4).
76. ArRejaie A, Al-Harbi F, Alagi A, Hassan K, Platelet Rich Plasma Gel Combined with Bovine-Derived Xenograft for the Treatment of Dehiscence Around Immediately Placed Conventionally loaded dental implants in humans: CBC T and three dimensional image evaluation, *The International Journal of Oral and Maxillofacial Implants.* 2016; 31(2): 431-8
77. Uribarri A, Bilbao E, Marichalar-Mendia X, Martinez-Conde R, M. Aguirre J, Verdugo F. Bone remodeling around implants placed in augmented sinuses in patients with and without history of periodontitis. *Clin Implant Dent Relat Res.* 2016.
78. Taschieri S, Lolato A, Testori T, Francetti L, Del Fabbro M. Short dental implants as compared to maxillary sinus augmentation procedure for the rehabilitation of edentulous posterior maxilla: Three-year results of a randomized clinical study. *Clin Implant Dent Relat Res.* 2017; 00:1–12.
79. Zarb GA, Albrektsson T. Osseointegration: a requiem for periodontal ligament? *Int J Periodontal Restor Dent.* 1991;11:88–91.
80. Pinheiro OJM, Fagundez LOZ, Mansini R. et al. Correlation between placement torque and survival of single-tooth implants. *Int J Oral Maxillofac Implants* 2005; 20:769–776.

81. Pozzi A, Mura P. Clinical and radiologic experience with moderately rough oxidized titanium implants: up to 10 years of retrospective follow-up. *Int J Oral Maxillofac Implants* 2014; 29:152–161.
82. Pifarre CS, Aumatell CM, Alonso CR, Madrid RM, Galleti C. Assessment of Dental Implants with Modified Calcium-Phosphate Surface in a Multicenter, Prospective, Non-Interventional Study: Results up to 50 Months of Follow-Up. *J. Funct. Biomater* 2019; 10 (5): 1-14.
83. Morris HF, Ochi S, Winkler S. Implant Survival in Patients with Type 2 Diabetes: Placement to 36 Months. *Annals of Periodontology* 2000; 5(1): 157–165.
84. Saptaswari D, Widyatuti, Wedarti YR, Kurniawan H. Efektifitas prp (platelet rich plasma) terhadap peningkatan bmd (bone mineral density) maksila pemasangan implan gigi dengan pemeriksaan radiografi 3 dimensi (cbct). *J Ked Gigi Denta*. 2017; 11(2): 56-6
85. Anitua EA, Orive G, Aguirre JJ, Andia I. Clinical outcome of immediately loaded dental implants bioactivated with plasma rich in growth factors:A five-year retrospective study. *J Periodontol*. 2008;79:1168–76.
86. Shanaman R, Filstein MR, Danesh-Meyer MJ. Localized ridge augmentation using GBR and platelet-rich plasma: case reports. *Int J Periodontics Restorative Dent*. 2001;21(4):345-55
87. Diab H, El-Soundany K. Evaluation of bio-oss bone graft and platelet rich plasma in the treatment of class ii mandibular furcation: a randomizes controlled clinical study. *EDJ*. 2014; 60(3): 2725-33.

88. Inchingo F, Tatullo M, Marrelli M, Inchingo AM, Scacco S, Inchingo AD, et al. Trial with platelet-rich fibrin and bio-oss used as grafting materials in the treatment of the severe maxillary bone atrophy: clinical and radiological evaluations. *Eur Rev Med Pharmacol Sci* 2010; 14: 1-10.
89. Nagata, M., Hoshina, H., Li, M., Arasawa, M., Uematsu, K., Ogawa, S., Takagi, R. (2012). A clinical study of alveolar bone tissue engineering with cultured autogenous periosteal cells: Coordinated activation of bone formation and resorption. *Bone*. 2012; 50(5): 1123–1129.
90. Angelis FD, Papi P, Mencio F, Rosella D, Carlo SD, Pompa G. Implant survival and success rates in patients with risk factors: results from a long-term retrospective study with a 10 to 18 years follow-up. *Eur Rev Med Pramaco Sci* 2017; 21: 433-7.
91. Manicone PF, Passarelli PC, Bigagnoli S, Pastorino R, Manni A, Pasquantonio G, D'addona A. Clinical and radiographic assessment of implant-supported rehabilitation of partial and complete edentulism: a 2 to 8 years clinical follow-up. *Eur Rev Med Pharmaco Sci* 2018; 22: 4045-4052.
92. Park IP, Kim SK, Lee SJ, Lee JH. The relationship between initial implant stability quotient values and bone-to-implant contact ratio in the rabbit tibia. *J Adv Prosthodont* 2011; 3:76-80.
93. Rasmusson L, Meredith N, Cho IH, Sennerby L. The influence of simultaneous versus delayed placement on the stability of titanium implants in onlay bone grafts. A histologic and biomechanical study in the rabbit. *Int J Oral Maxillofac Surg* 1999; 28:224–231.

94. Sicilia A, Quirynen M, Fontoliet A, Francisco H, Friedman A, Linkevicius T, Lutz R, Meijer HJ, Rompen E, Rotundo R et al. Long-term stability of peri-implant tissues after bone or soft tissue augmentation. Effect of zirconia or titanium abutments on peri-implant soft tissues. Summary and consensus statements. The 4th EAO consensus conference. *Clin. Oral Implant.* 2015; 26: 148–152.
95. Galindo-Moreno P, León-Cano A, Ortega O, Monje A, Valle F, Catena A. Marginal bone loss as success criterion in implant dentistry: Beyond 2 mm. *Clin. Oral.* 2015; 26: 28–34.
96. Levin L, Hertzberg R, Har-Nes S, Schwartz-Arad D. Long-term marginal bone loss around single dental implants affected by current and past smoking habits. *Implant Dent.* 2008; 17: 422–429.
97. Pikner SS, Grondahl K, Jemt T, Friberg B. Marginal Bone Loss at Implants: A Retrospective, Long-Term Follow-Up of Turned Bränemark System® Implants. *Clinical Implant Dentistry and Related Research.* 2009; (11)1: 11-23.
98. Koller CD, Pereira-Cenci T, Boscato N. Parameters associated with marginal bone loss around implant after prosthetic loading. *Brazilian Dent J.* 2016; 27(3): 292-297.

