

DAFTAR PUSTAKA

1. Sakaguchi RL, Powers JM. *Craig's Restorative Dental Materials*. 13th ed. Philadelphia: Elsevier Mosby; 2012: 2, 143.
2. ADA Council On Scientific Affairs. Direct and Indirect Restorative Materials. *JADA*; 2003; 134: 463-472.
3. Jacobsen P. *Restorative Dentistry An Integrated Approach*. 2nd ed. UK: Blackwell Munksgaard; 2008: 74.
4. Powers JM, Wataha JC. *Dental Materials Properties and Manipulation*. St.Louis: Mosby Elsevier: 2, 286.
5. Gautam R, Singh RD, Sharma VP, Siddhartha R, Chand P, Kumar R. Biocompatibility of Polymethylmethacrylate Resins Used in Dentistry. *J Biomed Mater Res Part B*; 2012: 1-7.
6. Prasad DK, Shetty M, Alva H, Prasad D Anupama. Provisional Restorations in Prosthodontic Rehabilitations – Concepts, Materials, and Techniques. *NUJHS*; 2012; 2(2): 72-77.
7. Wassell RW, St. George G, Ingledeew RP, Steele, JG. Crown and Other Extra-Coronal Restorations: Provisional Restorations. *British Dental Journal*; 2002; 192(11): 619-630.
8. Manapallil J. Basic Dental Materials. 2nd ed. New Delhi: Jaypee Brothers Medical Publishers (P) LTD; 2003: 140,145, 146, 150, 151.
9. Nandal S, Ghalaut P, Shekhawat H, Gulati MS. New Era in Denture Base Resins: A Review. *DJAS*; 2013; 1(3): 136-143.
10. Xanthos M. Functional Fillers for Plastics. 2nd ed. Weinheim: WILEY-VCH Verlag GmbH & Co. KgaA; 2010: 8.
11. Anusavice KJ. Philip's Science of Dental Material. 11th ed. St.Louis Missouri: Elsevier; 2003: 6, 74, 98, 166, 400, 401,403-405
12. Khurshid Z, Zafar M, Qasim S, Shahab S, Naseem M, and AbuReqaiba A. Advances in Nanotechnology for Restorative Dentistry. *Materials*; 2015: 8: 717-731.

13. Leung ACW, Hrapovic S, Lam E, Liu Y, Male KB, Mahmoud KA, et al. Characteristic and Properties of Carboxylated Cellulose Nanocrystals Prepared from a Novel One-Step Procedure. *Small*; 2011: 7(3): 302-305.
14. George J, Sabapathi SN. Cellulose Nanocrystals: Synthesis, Functional Properties, and Applications. *Nanotechnol Sci Appl*; 2015: 8: 45-54.
15. Rahim TNAT, Mohamad D, Ismail AR, Akil HM. Synthesis of Nanosilica Fillers for Experimental Dental Nanocomposites and Their Characterisations. Penerbit Universiti Sains Malaysia; 2011: 22(1): 93-105.
16. Morsy FA, El-Sheikh SM, Barhoum A. Nano-silica and SiO₂/CaCO₃ Nanocomposite Prepared From Semi-Burned Rice Straw Ash As Modified Papermaking Fillers. *Arabian Journal of Chemistry*; 2014.
17. Fuadah T. 2016. Perbedaan Kekerasan *Poly(Methyl Methacrylate)* yang Diisi dengan *Filler Silika Nanosphere, Nanorod* dan *Nanoporous* Hasil Swasintesis Dengan Teknik Sol-Gel. Skripsi. Universitas Padjajaran: 5, 14, 16, 17, 30,61,62.
18. Mc Cabe, JF, Walls AWG. *Applied Dental Materials*. 9th ed. Oxford, UK: Blacwell Publishing Ltd; 2008: 178,196.
19. Wang, R.M., Zheng, S.R., Zheng, Y.P. *Polymer matrix composite and technology*. Science Press Beijing; 2011: 2.
20. Branda F. Advances in Nanocomposites- Synthesis, Characterization and Industrial Applications. Europe: *Intech*; 2011: 323-36.
21. Camargo PHC, Satyanarayana KG, Wypych Fernando. Nanocomposites: Synthesis, Structure, Properties and New Application Opportunities. *Materials Research*; 2009: 12(1): 1-39.
22. Lin, N., Dufresne, A. Nanocellulose in Biomedicine: Current Status and Future Prospect. *European Polymer Journal*: Elsevier; 2014: 59: 304.
23. Dufresne, A. Nanocellulose: A New Ageless Bionanomaterial. *Materials Today*: Elsevier; 16(16): 223.
24. Evelyn A. Sintesis dan Analisis Mikrostruktur Al₂O₃-SiO₂-ZrO₂ Berukuran Nano Sebagai Bahan Pengisi Restorasi Mahkota Jacket Resin *Polymethylmethacrylate Heatcured* Serta Uji Sifat Mekanisnya. Tesis. Program Pendidikan Magister Program Studi Ilmu Kedokteran Gigi, Universitas Padjajaran Bandung; 2010: 9, 33,36,53, 55, 69.

25. Dwifulqi H. Pengaruh Penambahan Kaolin Sebagai Bahan Pengisi Resin *Polymethylmethacrylate* Terhadap Peningkatan Kekerasan Untuk Aplikasi Mahkota Jaket. Skripsi. Program Studi Pendidikan Dokter Gigi Universitas Kristen Maranatha Bandung; 2013: 21, 32, 41
26. Nopriansyah H. Pengaruh Penambahan *White Carbon Black Nanorod* dan Alumina Nanopartikel Terhadap Kekerasan Nanokomposit Berbasis *Polymethylmethacrylate*. Skripsi. Program Studi Pendidikan Dokter Gigi Universitas Kristen Maranatha Bandung; 2014: 22,
27. Talari FS, Qujeq D, Amirian K, Ramezani A, Pourkhalili H, Alhavaz A. Evaluation the Effect of Cellulose Nanocrystalline Particles on Flexural Strength and Surface Hardness of Autopolymerized Temporary Fixed Restoration Resin. *International Journal of Advanced Biotechnology and Research*. 2016; 7: 152-160
28. Martanto P. Teori dan Praktek Ilmu Mahkota dan Jembatan Fixed Partial Prosthodontics. Edisi 2, Bandung: Penerbit Alumni; 1982: 27
29. Hasratiningsih Z, Takarini V, Cahyanto A, Faza Y, Asri LATW, Purwasasmita BS. Hardness Evaluation Of PMMA Reinforced With Two Different Calcinations Temperatures Of $ZrO_2-Al_2O_3-SiO_2$ Filler System. IOP Publishing. 2017; 1-7
30. Regish KM, Sharma D, Prithviraj. Review Article Techniques of Fabrication of Provisional Restoration: An Overview. *International Journal of Dentistry*. 2011; 1-5
31. Yanikoğlu ND, Bayindir F, Kürklü D, Beşir B. Flexural Strength of Temporary Restorative Materials Stored in Different Solutions. *Open Journal of Stomatology*. 2014; 4: 291-298
32. Rosenstiel SF, Land MF, Fujimoto J. *Contemporary Fixed Prosthodontics*. 4th ed. St. Louis, Missouri: Mosby Elsevier; 2006: 466-470
33. Park JB, Bronzino JD. *Biomaterials Principles and Applications*. Boca Raton: CRC Press; 2003: 63
34. Schmalz G, Bindsvlev DA. *Biocompatibility of Dental Materials*. Germany: Springer; 2009: 255
35. Powers JM, Wataha JC. *Dental Materials Foundation and Applications*. 11th ed. St.Louis Missouri: Elsevier; 171

36. Shillingburg HT, Hobo S, Whitsett LD, Bracklett SE. *Fundamentals of Fixed Prosthodontics*. 3rd ed. Chicago: QUINTESSENCE; 1997: 226.
37. Zebarjad SM, Sajjadi SA, Sdrabadi TE, Yaghmaei A, Naderi B. A Study on Mechanical Properties of PMMA/Hydroxyapatite Nanocomposite. *Engineering*; 2011; 3: 795-801.
38. Rahman IA, Padavettan V. Review Article Synthesis of Silica Nanoparticles by Sol-Gel: Size-Dependent Properties, Surface Modification, and Applications in Silica-Polymer Nanocomposites-A Review. *Journal of Nanomaterials*; 2012: 1-15
39. Habibi Y, Lucia LA, Rojas OJ. Cellulose Nanocrystals: Chemistry, Self-Assembly, and Applications. *Chemical Reviews*; 2010; 110(6): 3479-3500
40. Lu Y, Tekinalp LT, Eberle CC, Peter W, Naskar AK, dan Ozcan S. Nanocellulose in polymer composites and biomedical applications. *Tappi Journal*; 2014; 13(6): 47-54
41. Thakur VK. Nanocellulose Polymer Nanocomposites Fundamental and Applications. Canada. *Scrivener Publishing LLC and Wiley*; 2015: 396, 399
42. Yan FY. Process Selection and Optimization of Cellulose Extraction From Palm Kernel Using Response Surface Methodology. School of Engineering and Information Technology Universiti Malaysia Sabah; 2009:
43. Yan FY, Krishniah D, Rajin M, Bono A. Cellulose Extraction From Palm Kernel Cake Using Liquid Phase Oxidation. *Journal of Engineering Science and Technology*; 2009; 4(1): 57-68
44. Ibrahim IAM, Zikry AAF, Sharaf MA. Preparation of spherical silica nanoparticles: Stober silica. *Journal of American Science*; 2010; 6(11): 985-989
45. Sharma RK, Sharma S, Dutta S, Zborii R, and Gawande MB. Silica-nanosphere-based organic-inorganic hybrid nanomaterials: synthesis, functionalization and applications in catalysis. *The Royal Society of Chemistry*; 2015.
46. Nurfitriyani L. Optimasi Biosintesis Nanopartikel Silika (SiO₂) Dengan Substrat Sekam Padi Oleh *Fusarium oxysporum*. Skripsi. Institut Pertanian Bogor. 2012: 4,7,8
47. Conradi M. Nanosilica-Reinforced Polymer Composites. *Materials and technology*; 2013: 285-293

48. Ishikawa M. Synthesis of Hydroxyapatite/Nanocellulose Composites. Kungliga Tekniska Högskolan; 2014: 21,22
49. Suga M, et al. Recent Progress In Scanning Electron Microscopy for The Characterization of Fine Structural Details of Nano Materials. Elsevier; 2014: 1-21
50. O'Brien, WJ. Dental Materials and Their Selection. 4th ed. Canada: Quintessence Publishing Co, Inc; 2008: 17,41.
51. Aydemir B, Cal B, Salman S. The Advantages of New Generation Hardness Measurement Methods. 5th International Quality Conference; 2011: 337-344
52. Chuenarrom C, Benjakul P, Daosodsai P. Effect of indentation load and time on knoop and vickers microhardness tests for enamel and dentin. *Material Research*; 2009: 12(4): 473-476
53. Kedzior SA, Graham L, Moorlag C, Dooley BM, dan Cranston ED. Poly(methyl methacrylate)-Grafted Cellulose Nanocrystals: One-Step Synthesis, Nanocomposite Preparation, and Characterization. *Can. J. Chem. Eng*; 2016: 94: 811–822.
54. Aulia F, Marpongahtun, Gea S. Studi Penyediaan Nanokristal Selulosa dari Tandan Kosong Sawit. *Jurnal Saintia Kimia*; 2013. 1(2).
55. Lu P, Hsieh YL. Preparation and Properties of Cellulose Nanocrystals: Rods, Spheres, and Network. *Carbohydrate Polymers*, Elsevier; 2010: 329-336