

## DAFTAR PUSTAKA

- Alla R.K., Suresh S., Venkata R.A., Kishore G., Nagaraj U., 2013, Influence of fiber reinforcement on the properties of denture base resins, *J Biomat Nanobiotec*, 4 : 91 - 97.
- Alla R.K, 2013, *Dental Material Science*, Jaypee Brothers Medical Publishers (P) Ltd, New Delhi.
- Anthony L.M., 2014, *Histologi Dasar Junqueira text dan atlas*, ed. 12, EGC, Jakarta; hal. 84-91, 200-208.
- Anusavice, K.J., 2003, *Phillips Science of Dental Material*, 11th ed. Saunders, St. Louis, P: 94, 165-166, 721-735.
- Arefian, Z., Pishbin, F., Negahdary, M., Ajdary, M., 2015, Potential toxic effects of Zirconia Oxide nanoparticles on liver and kidney factors, *Biomedical res*, 26(1):89-97.
- Bail M., Lissandra M.B.M., Eduardo B.C., Janaina H.J., Manulla de C.I.B., Alfonso S.A., Nara H.C., 2014, Histopathological changes by the use of soft relene materials: A rat model study, *J Plos One*. 9 : 6.
- Buzea C., Ivan I.P., Kevin R., 2007., Nanomaterials and Nanoparticles : Sources and Toxicity *Biointer Ame Vac Soct*, 2 ; 4.
- Chen, R., Han, Z., Huang, Z., Karki, J., Wang, C., Zu, B., Zhang, X., 2017, Antibacterial Activity, Cytotoxicity and Mechanical Behavior of Nano-enhanced Denture Base Resin with Different Kinds of Inorganic Antibacterial Agents, *Dent Mater J*, 36(6):693-99.
- Craig, R.G., 2002, *Restorative Dental Material*, 11th ed, New York: Churchill Livingstone Edinburg, P: 25-195.
- Dormer, W., Gomes, R., Meek, M.E., 1998, *Methyl Methacrylate*, Concise International Chemical Assessment Document 4 WHO, Geneva, P; 9-19.
- Ebadian B., Mohammad R., Solmaz S., Ramin M., 2008, Evaluation of tissue reaction to some denture base materials : an animal study, *J contemp dent pract* 9 (4) : 1-9.
- El sayed G.K., Ahmed H.Y., 2002, Evaluasi of subcutaneous tissue response to implanted samples of acrylic resin mixed with nanoparticles metal fillers, *The Eyp J Hos Med*, 9 : P;74 – 84.

- Fu, P.F., Xia, Q., Hwang, H.M., Ray P.C., dan Yu H., 2014, Mechanisms of Nanotoxicity: Generation of Reactive Oxygen Species, *J Food and Drugs Ana*, 22 (1), P: 64-75.
- Gad, M.M., Rahoma, A., Al-Thobity, A.M., Arrejaie, A.S., 2016, Influence of incorporation of ZrO<sub>2</sub> nanoparticles on the repair strength of polymethyl methacrylate denture bases, *Inter J Nanomed*, 11: 5634.
- Grossman, L.I., Oliet, S., Rio, C.E.D., 1995, *Ilmu Endodontik dalam Praktek*, EGC, Jakarta, P: 47-48 .
- Hameed H.K., Rahman H.A., 2015, The effect of addition nano particle ZrO<sub>2</sub> on same properties of autoclave processed heat cure acrylic denture base material, *J Bagh College Dentistry*, 27, P: 32-39
- Haryanto A.G., Lusiana K.B., Freddy S., Anton M., Indra S., 1995, *Buku Ajar Ilmu Geligi Tiruan Sebagian Lepas jilid I*, Hipokrates, Jakarta.
- Henrikson, R.C., Grodon, I.K., Mazurkiewics, J.E, 1997, *NMS Histology*, Lippincott Williams & Wilkins, USA, P: 98-99.
- Hu, Y., Zhou, S., Wu, L., 2009, Surface mechanical properties of transparent poly(methyl methacrylate) / zirconia nanocomposites prepared by in situ bulk polymerization, *Polymer Journal*, 50, P: 3609-3616.
- Ihad N.S., Moudhaffar M., 2011, Evaluation the effect of modified nano-filler addition on some properties of heat cured acrylic denture base material, *J Bagh College Dentistry*, 23(3) P: 23 – 29.
- Jehuda L., Krista V. S., Damayanti H.C.P., 2017, Pola kehilangan gigi pada pasien gigi tiruan sebagian lepasan di rumah sakit gigi dan mulut program studi pendidikan dokter gigi dan mulut fakultas universitas sam ratulangi, *J kedok klinik* 1 (3) hal. 1 - 8.
- Junqueira, L.C., Carneir, C., 2005, *Basic Histology: Textbook and Atlas*, 11th ed, Sao Paulo, Mc Graw Hill. P: 502.
- Kowalak J.P., Welsh W., Brenna M., 2017, *Buku Ajar Patofisiologi*, EGC, Jakarta, hal. 58-61.
- Kumar, S., 2012, *Textbook of Microbiology*, Jaypee Brothers International Medical Publishers, New Delhi, P: 184 -186.
- Leeson C.R., Leeson T.S., Paparo A.A., 1996, *Buku Ajar Histologi*, EGC, Jakarta, hal. 116-125.

- Li, X.M., Q Feng, R., Cui., 2013, The Use Of Nanoscaled Fibers Or Tubes To Improve Biocompatibility And Bioactivity Of Biomedical Materials, *J Nanomats*, 2013, Article ID 728130.
- Lung, C.Y.K., dan Matinlinna, J.P., 2012, *Aspects of Silanes Coupling Agents and Surface Conditioning in Dentistry: An Overview*, *Dental Materials*, P: 416-677.
- Marcelo, G., Bruna, Z., Amalia, M., Aljomar, V.F., Marcela, P., Micheline, S.D., 2016, Effect of Nanoscale Particles Incorporation on Microhardness of Polymers for Oral Prosthesis, *Contemp Clin Dent*, 7(3), P:1-6
- Mc Cabe, J.F., dan Walls, A.W.G., 2008, *Applied Dental Material*, 9th ed, Blackwell Publishing, Oxford. P: 5-31, 40, 99, 101-109,110-123.
- Moharamzadeh, K., Van Noort, R., Brok I.M., dan Scutt, A.M., 2007, *Cytotoxicity of Resin Monomer on Human Gingival Fibroblast and Keratinocytes*, *Dental Material*, 2:40-44.
- Neppelenbroek, K., 2006, Bond strength of hard chairside relines resins to a rapid polymerizing denture base resin before and after thermal cycling, *J Appl Oral Sci.*;14(6):436-42
- Niles, A.L., Moravec, R.A., dan Riss, T.L., 2009, In Vitro Viability and Cytotoxicity Testing and Same-Well Multi-Parametric Combinations for High Throughput Screening, *J Curr Chem Genomics*, (3): 33–41.
- O'brien, W.J., 2002, *Dental Material and Their Selection*, 3rd Ed, Quintessence Publising Co, Inc, Canada, P: 12.
- Otsuka, T., Chuji, Y., 2010, Poly(methyl methacrylate) (PMMA)-based hybrid materials with reactive zirconium oxide nanocrystals, *Poly JI*, Japan, 42 P:58-65.
- Prasetyo D., Wijang W.R., Ubaidillah, 2013, Pengaruh penambahan *couling agent* terhadap kekuatan mekanik komposit *polyester-cantula* dengan anyaman serat *3D angle interlock*, 12 (1), hal. 44 – 52.
- Rieske, P., Krynska, B., Azizi, S.A., 2005, Human Fibroblas Derived Cell Lines Have Characteristics of Embryonic Stem Cells and Neuro-Ectodermal Origin, *Pubmed*, 73, P; 474-83.
- Roy, I., Stachowiak, M.K., dan Bergey, E.J. 2008, *Nonviral Gene Transfection Nanoparticles: Function And Applications In The Brain*. *Nanomedicine: Nanotechnology, Biology, and Medicine.*, 4(2) P: 89–97.

- Rudy, S., Endang W., Titik I., 2018., Pengaruh konsentrasi nanopartikel ZrO<sub>2</sub> sebagai filler pada basis gigi tiruan resin akrilik curing panas terhadap viabilitas sel fibroblas (kajian *in-vitro*), [www.etd.repository.ugm.ac.id](http://www.etd.repository.ugm.ac.id).
- Sakaguchi, R.L., dan Powers, J.M., 2012, *Craigs Restorative Dental Material*, 13th Ed. Philadelphia, Mosby Elsevier Inc., P:191-2, 327-48.
- Sama A.A., Shatha S.A., 2015, Effect of the addition of silanized nano titania fillers on some physical and mechanical properties of heat cured acrylic denture base materials, *J Bagh College Dentistry*, 27(1) P: 86 – 90.
- Saravi, M.E., Evaluation of Cellular Toxicity of Three Denture Base Acrylic Resins, *Journal of Dentistry*, Tehran University of Medical Sciences, Tehran, Iran, 2012, Vol. 9(4):180-8.
- Schamlz, G., 1994, Use Of Cell Cultures for Toxicity Testing of Dental Materials: Advantages and Limitations, *J. Dent.*, 22: 6-11.
- Schamlz, G., dan Arenholt-Bindslev, D., 2009, *Biocompatibility Of Dental Materials*, Springer-Verlag, Berlin Heidelberg :13-17, 99-111.
- Sharma A. Shashidhara H.S., 2014, A review : flexible removable partial dentures, *IOSR J Dent Med Scie*, 13. P; 58 – 62.
- Shiezadeh, M., Seyf, M., Rajati, H.R., Karazhian, A., dan Mohammadparast, P., 2015, Effect of Zirconia Thickness on the Tensile Stress of Zirconia Based All-Ceramic Restorations. *JDMT*. 4 (3): 137-142.
- Shin-etsu, 2017, *Silane Coupling Agent*, Shin-Etsu Chemical Co., Ltd., Tokyo, Japan, p:1-28.
- Sudiono J. Kurniadhi B. Hendrawan A. Djimantoro B. 2003, *Ilmu patologi*.: EGC, Jakarta., hal. 81-96.
- Sulistyowati, E., 2008, *Toksikologi*, Diktat, Universitas Negeri Yogyakarta, Yogyakarta, hal. 9-11.
- Suryadi I.A, AAGN Asmarajaya dan Sri Maliawan., 2014, Proses Penyembuhan dan Penanganan Luka. *E-Jurnal Pustaka Kesehatan*. 10 (5) :4-10.
- Sylvia A.P., Lorraine M.W., 2006, *Patofisiologi Konsep Klinis Proses-Proses Penyakit* jilid 1, EGC, Jakarta, hal.56-79.
- Takamori, E.R., Cruz, R., Goncalves, F., Zanetti, R.V., Zanetti, A., Granjeiro, J.M., 2008, Effect of Roughness of Zirconia and Titanium on Fibroblast Adhesion, *Art Org J*, Blackwell Publishing, 32(4):305-309.

- Tipton, D.A., Braxton, S.D., Dabbous, M.K., 1995, Role of Salivary Compents as Modulators of Bleaching Agent Toxicity to Human Gingival Fibroblast in Vitro, *J.Perio*, 66:744-766.
- Theddeus O.H.P.,2009, General concept of wound healing, revisited, *Med j ind*, 18: 208-16.
- Umeri, A., 2010, Study of Zirconia's Ageing for Applications in Dentistry, *Tesis*, University of Trieste, Italia.
- Van Noort, R., 2007, *Introduction to Dental Materials*, Edisi ke-3, Elsevier, London. P: 48, 74,76, 213-216.
- Valpato C.A.M., Luis G.D.A.G., Marcio C.F., Federica B., Application of zirconia in dentistry : Biological, Mechanical and Optical considerations, *Book Advance in ceramic – Electric and magnetic ceramics, Bioceramics, Ceramics and evironment*, [www.intechopen.com](http://www.intechopen.com) P :398 – 420.
- Vinna K.S., 2011, Peningkatan penyembuhan luka di mukosa oral melalui pemberian aloe vera (linn.) secara topikal, *JKM*, 1: 70-79.
- Vojdani, M., Bagheri, R., Khaledi, A.A.R., 2012, Effect of Aluminum Oxide Addition on the Flexural Strength, Surface Hardness, and Roughness of Heat-polymerized Acrylic Resin, *JDS*, p:238-244.
- Wang, W., Liao, S., Zhu, Y., Liu, M., Zhao, Q., dan Fu, Y., 2015, Recent Applications of Nanomaterials in Prosthodontics, *J Nanomat*, Article ID 408643.
- Yuan , B., Chen, Q., Ding, W.Q., Liu, P.S., Wu, S.C., Shen, J., Gai, Y., 2012, Copolymer Coatings Consisting of 2-methacryloyloxyethyl phosphorylcholine and 3-methacryloxypropyl trimethoxysilane via ATRP to Improve Cellulose Biocompatibility, *J ACS app mat and inter*, 4, p: 4031-39.
- Zahran, M.H., 2013, Factors Affecting the Fracture Strength and Fatigue Resistance of Molar Crowns Produced Using a Zirconia-based System, *Tesis*, University of Toronto, Toronto.
- Zhang, X.Y., Zhang, X.J., Huang, Z.L., Zhu, B.S., Chen, R.R., 2014, Hybrid Effects of Zirconia Nanoparticles with Aluminium Borate Whiskers on Mechanical Properties of Denture Base Resin PMMA, *DMJ*, 33(1):141-146.