

Daftar Pustaka

- Abduljabbar, T., 2016, Influence of Silane and Heated Silane on the Bond Strength of Lithium Disilicate Ceramics - an In Vitro Study, *Pak J Med Sci.*;32(3):550-554
- Acosta-Torres, L., Lopes-Marin., L.M., Nunez-Anita, R.E., Hernandoz-Padron, G., Castano, V.M., 2010, Biocompatible Metal-Oxide Nanoparticles: Nanotechnology Improvement of Conventional Prosthetic Acrylic Resins, *J of Nanomaterials*: 1-8
- Ahmed, M.A., 2016, Effect of Titanium Dioxide Nano Particles Incorporation on Mechanical and Physical Properties on Two Different Types of Acrylic Resin Denture Base, *WJNSE*; 6:111-119
- Allen, R., 2016, The Cytotoxic And Genotoxic Potential of Titanium Dioxide (TiO₂) Nanoparticles on Human SH-SY5Y Neuronal Cells In Vitro, *PSS*; 9(2):5-28
- Alwan, S.A., Alameer, S.S., 2015, The Effect of The Addition of Silanized Nano Titania Fillers on Some Physical and Mechanical Properties of Heat Cured Acrylic Denture Base Materials, *J Bagh Coll Dentistry*; 27(1):86-91
- Ammerman, N.C., Beier-Sexton, M., Azad, A.F., 2008, Growth and Maintenance of Vero Cell Lines, *Curr Protoc Microbiol*, APPENDIX, Appendix-4E
- Anusavice, K.J., Shen, C., Rawls, H.R., 2013, *Phillip's Science of Dental Materials*, 12th ed., Elsevier, USA, h. 493-4
- Bauman, I., Curic, D., Boban, M., 2008, Mixing of Solids in Different Mixing Devices, *Sadhana*;33(6): 721-31
- Campanha, N.H., Pavarina, A.C., Giampaolo, E.T., Machado A.L., Carlos I.Z., Vergani, C.E., 2006, Cytotoxicity of Hard Chairside Reline Resins: Effect of Microwave Irradiation and Water Bath Postpolymerization Treatments, *Int. J. Prosthodont.*, 19(2):195-201
- Campbell., S.D., Cooper, L., Craddock, H., 2017, Removable Partial Dentures: The Clinical Need for Innovation, *JPD*;118(3):273–280
- 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):693-699
- Craig, R.G., Powers, J.M., Wataha, J.C., 2004, *Dental Materials: Properties and Manipulation*, 8th Ed., Mosby Elsevier: USA, h.51-91
- Dormer, W., 1998, *Methyl Methacrylate*, WHO, Geneva, h. 9-26

- Elshereksi, N.W., 2014, Perspectives for Titanium-Derived Fillers Usage on Denture Base Composite Construction: A Review Article, *Adv Mat Sci Eng*, 1-13
- Freshney, I.R., 2010, *Culture of Animal Cells: A Manual of Basic Technique and Specialized Applications*, 6th Ed, John Wiley and Sons Inc., New Jersey, h. 25-60
- Fu, P.F., 2014, Mechanism of nanotoxicity: generation of reactive oxygen species, *J. Food and Drug Analysis*; 22:64-75
- Gul, E.B., 2015, Effects of Coating With Different Ceromers on The Impact Strength, Transverse Strength and Elastic Modulus of Polymethyl Methacrylate, *Dent Mater J*; 34(3): 379–387
- Gunadi, H.A., Margo, A., Burhan, L.K., Sutayatenggara, F., Setiabudi, I., 2013, *Buku Ajar Ilmu Gigi Tiruan Sebagian Lepas*, Jilid I, Hipokrates, Jakarta, h. 11-12
- Heravi, F., Ramezani, M., Poosti, M., Hosseini, M., Shajiei, A., & Ahrari, F., 2013, In Vitro Cytotoxicity Assessment of an Orthodontic Composite Containing Titanium-dioxide Nano-particles, *J Dent Res*, 7(4), 192–198
- Iijima, M., Kamiya H., 2009, Surface Modification for Improving the Stability of Nanoparticles in Liquid Media, *KONA Powder and Particle Journal*; 27:119-29
- Ismiyati, T., Siswomihardjo, W., 2016, Uji Sitoksisitas Campuran Resin Akrilik dengan Kitosan Sebagai Bahan Gigi Tiruan Anti Jamur, *J.Teknosains*, Vol. 5 (2): 98-103
- ISO 10993-5, 2012, *Biological Evaluation of Medical Devices — Part 12: Sample Preparation and Reference Materials*, ISO 2012, Switzerland, h. 24-28
- Jerolimov, V., Khren, J., Besic, J., 1991, The Role of Residual Monomer in PMMA Powder and Methods of Polymerization in the Finding of Residual Monomer in Poly(methylmethacrylate) Denture Base, *Acta Stomatologica Croatica*; 25:17-23
- Li, W., 2015, Study Of The In Vitro Cytotoxicity Testing Of Medical Devices, *Biomedical Reports*;3: 617-620
- Lung, CYK., Matinlina, JP., 2012, Aspects of Silane Coupling Agents and Surface Conditioning in Dentistry: An Overview, *Dent mater*; 28: 467–477
- Mallikarjuna, A.V., Cytotoxicity of Acrylic Resin: A Review, *OSR-JDMS*; Vol.13(3)Ver. II: 07-09
- McCabe, John, F., 2008, *Applied Dental Material*, 9th ed., Blackwell Publishing Ltd: Oxford, h.110-23

- Mykhaylova, V., 2009, Development of microparticle - nanoparticle powder mixtures for the use in dry powder inhalers, Mathematisch - Naturwissenschaftlichen Fakultät der Heinrich - Heine - Universität Düsseldorf, *Disertasi*
- Moharamzadeh, K., 2009, Biocompatibility of Resin-based Dental Materials, *Materials*;2:514-548
- Munadzirah, E., 2004, Sitotoksitas Resin Akrilik Jenis Heat-Cured terhadap Sel Fibroblast, *Maj. Ked. Gigi (Dent. J.)*, Vol. 37(2): 95-98
- Murray, P.E., 2007, How is The Biocompatibility of Dental Biomaterials Evaluated?, *Med Oral Patol Oral Cir Bucal*;12: 258-66.
- Nazirkar, G., Bhanushali, S., Singh, S., Pattanaik, B., dan Raj, N., 2014, Effect of Anatase Titanium Dioxide Nanoparticles on the Flexural Strength of Heat Cured Poly Methyl Methacrylate Resins: An In-Vitro Study, *J. Indian Prosthodont. Soc.*, 14(Suppl. 1):144–S149.
- Neppelenbroek, K., 2006, Bond Strength of Hard Chairside Reline Resins to a Rapid Polymerizing Denture Base Resin Before and After Thermal Cycling, *J Appl Oral Sci.*;14(6):436-42
- Newman, M.G., Takei, H., Klokkevold, P., Carranza, F., 2015, *Carranza's Clinical Periodontology*, 12th Ed., Elsevier Saunders, St Louis, Missouri, h. 18
- Okada N., 2014, The Genome Landscape of the African Green Monkey Kidney-Derived Vero Cell Line, *DNA RESEARCH*;21:673–683
- Patel, G., 2012, Investigation of Structural, Thermal and Mechanical properties of PMMA/TiO₂ composites: A Comparative study, *Nat J of App Sci and Eng*; Vol.1(2): 50-59.
- Powers, K.W., 2009, *Characterization of Nanomaterials for Toxicological Evaluation*, John Wiley & Sons, Wiltshire, Great Britain, h.293-303
- Rahman, T., Fadhlulloh, M.A., Nandiyanto, A.B.D., Mudzakir, A., 2014, Review: Sintesis Titanium Dioksida Nanopartikel, *JIP*;5(1):15-29
- Riken BRC, 2006, Vero, <https://www2.brc.riken.jp/lab/cell/detail.RCB0001>, 01/03/18
- Sakaguchi dan Power, 2012, *Craig's Dental Restorative Materials*, 13th Ed., Elsevier Mosby, Philadelphia, h.327-48
- Salman, T.A., 2015, The Influence of Adding Modified ZrO₂-TiO₂ Nanoparticles on Certain Physical and Mechanical Properties Of Heat Polymerized Acrylic Resin, *J Bagh College Dentistry*;Vol 27(3):33-9

- Samimi, P., 2014, Effects of Heat Treating Silane and Different Etching Techniques on Glass Fiber Post Push-out Bond Strength, *Op Dent* 39-5, E217-E224
- Saravi, M.E., 2012, Evaluation of Cellular Toxicity of Three Denture Base Acrylic Resins, *Journal of Dentistry*, Tehran University of Medical Sciences, Tehran, Iran Vol. 9(4):180-8
- Schmalz, G., Arenholt-Bindslev, D., 2009, *Biocompatibility of Dental Materials*, Springer, Verlag Berlin Heidelberg, h.255-61
- Shibata, T., Hamada, N., Kimoto K., 2007, Antifungal Effect of Acrylic Resin Containing Apatite-coated TiO₂ Photocatalyst, *Dent Mater J.*;26(3):437-44
- Shin-etsu, 2017, *Silane Coupling Agent*, Shin-Etsu Chemical Co., Ltd., Tokyo, Japan, h. 1-28
- Shirkavand, S., 2014, Effect of TiO₂ Nanoparticles on Tensile Strength of Dental Acrylic Resins, *JODDD*;Vol. 8(4):197-203
- Sigma-aldrich, 2018, Vero cell line, <https://www.sigmaaldrich.com/catalog/cb84113001>, 01/03/18
- Stoddart, M., 2011, *Mammalian Cell Viability*, Humana Press, Swiss, h.13-19
- Tadano T., Rui Z., Yoshio M., Toru H., dan Shoichiro Y., 2014, A new mechanism for the silica nanoparticle dispersion–agglomeration transition in a poly(methyl methacrylate)/silica hybrid suspension, *Polymer Journal*, 46: 342–348
- Urban, V.M., Machado, A.L., Vergani, C.E., 2012, Leachability of Degradation Products from Hard Chairside Reline Resins in Artificial Saliva: Effect of Water-Bath Post-Polymerization Treatment, *J Appl Polym Sci*;123:732-9
- Vojdani, M, Giti, R., 2015, Polyamide as a Denture Base Material A Literature Review, *J Dent Shiraz UnivMed Sci*; 16(1 Suppl): 1-9
- Wang, J., Chen, C., Liu, Y., 2008, Potential neurological lesion after nasal inhalation of TiO₂ nanoparticles in the anatase and rutile crystal phases. *Toxicology Letters*. 183, (1-3) 72-80
- Wang, Y., Aker, W., Hwang, H., Yedjou, C., 2011, A study of the mechanism of in vitro cytotoxicity of metal oxide nanoparticles using catfish primary hepatocytes and human HepG2 cells, *Sci. Total Environ.*;409: 4753–4762
- Wurangian, I., 2010, Aplikasi dan Desain Valplast pada Gigi Tiruan Sebagian Lepasan, *JITKGI*, 7 (2):63-68

Yang, M., Dan, Y., 2006, Preparation of poly(methyl methacrylate)/titanium oxide composite particles via in-situ emulsion polymerization, *J Appl Polym Sci*;101: 4056–4063

Zhu, X., Hondroulis, E., Liu, W., Li, C., 2013, Biosensing approaches for rapid genotoxicity and cytotoxicity assays upon nanomaterial exposure, *Small*;9:1821-30