# DAFTAR PUSTAKA

Ackerman, A.B., Böer, A., Bennin, B., Gottlieb, G.J., 2005, *Histologic Diagnosis of Inflammatory Skin Disease: An Algorithmic Method Based on Pattern Analysis Third Edition*, New Jersey, Blackwell Publishing. pp. 35.

Allen, P.F., Jepson, N.J., Doughty, J., Bond, S., 2008, Attitudes and practice in the provision of removable partial dentures. *Br Dent J*., 204(1):E2, pp. 568.

Amano, D., Ueda, T., Sugiyama, T. dkk., 2010, Improved brushing durability of titanium dioxide coating on polymethylmethacrylate substrate by prior treatment with acryloxypropyl trimethoxysilane-based agent for denture application, *Dent. Mater. J.,* 29(1), pp. 97–103

Anusavice, K.J., Shen, C., Rawls, H.R. 2013. *Phillips' Science of Dental Materials,* 12th Edition, USA, Elsevier, pp. 94, 475-497

Anthony L.M., 2014, *Histologi Dasar Junqueira text dan atlas*, ed. 12, Jakarta, EGC, pp. 84-91, 200-208.

Azuma A, Akiba N., dan Minakuchi S., 2012, Hydrophilic surface modification of acrylic denture base material coating and its influence on candida albicans adherence, *J Med Dent Sci*, (59): 1-7.

Badan Penelitian dan Pengembangan Kesehatan, 2018, Laporan Nasional Riskesdas 2018, Diakses dari https://dinkes.kalbarprov.go.id/wp-content/uploads/2019/03/Laporan-Riskesdas-2018-Nasional.pdf

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 reline materials: A rat model study, *J Plos One*. 9, pp. 6.

Biswas, S.K., Mantovani, A., 2014, *Macrophages: Biology and Role in the Pathology of Diseases*, New York, Springer Science + Business Media, pp. 111.

Bural C., Aktas E., Deniz G., Gulsen B., 2011, Effect of leaching residual methyl methacrylate concentrations on in vitro cytotoxicity of heat polymerized denture base acrylic resin processed with different polymerization cycles, *J Appl Oral Sci*, 19(4), pp. 306-312.

Carr, A.B. dan Brown, D.T., 2012, *McCracken's Removable Partial Prosthodontics 12th ed.,* Mosby Elsevier, Singapura, h.7, 106-107,346

Celebi, N., Yuzuglu, B., Canay, S. dan Yucel, U., 2008, Effect of polymerization methods on the residual monomer level of acrylic resin denture base polymers, *Polym. Adv. Technol*., 19, pp. 201-206.

Chan, Y., Lew, W., Lu, E., Loretz, T., Lu, L., Lin, C., dkk., 2017. An evaluation of the biocompatibility and osseointegration of novel glass fiber reinforced composite implants: in vitro and in vivo studies. *Dent. Mater.* 34, pp. 470-485. Charasseangpaisarn, T., Wiwatwarrapan, C., Leklerssiriwong, N., 2016, Ultrasonic cleaning reduces the residual monomer in acrylic resins, *Journal of Dental Sciences*, 11(04), pp. 443-448.

Charasseangpaisarn, T., Wiwatwarrapan, C., Leklerssiriwong, N., 2016, Ultrasonic cleaning reduces the residual monomer in acrylic resins, *Journal of Dental Science*, 11(04), pp. 443-448.

Chen, L., Deng, H., Cui, H., Fang, J., Zuo, Z., Deng, J., Li, Y., Wang, X., Zhao, L., 2018, Inflammatory responses and inflammation-associated diseases in organs, *Oncotarget*, 9(6), pp. 7204-7218.

Chen, L., Liu, J., Zhang, Y., Kang, Y., Chen, A., Feng, X., Shao, L., 2018, The toxicity of silica nanoparticles to the immune system, *Nanomedicine (Lond.),* 13(15), pp. 1939-1962.

Cintra, L.T.A., Benetti, F., de Azevedo Queiroz, I.O., de Araujo Lopes, J.M., Penha de Oliveira, S.H., Sivieri Araujo, G., dkk., 2017. Cytotoxicity, biocompatibility, and biomineralization of the new high-plasticity MTA material. *J. Endod.,* 43, pp. 774-778.

Craddock, H.L., 2009, Consequences of Tooth Loss: 1. The Patient Perspective - Aesthetic and Functional Implications, *Dent Update*, 36, pp. 616-619.

Darby IA, Laverdet B, Bonté F, Desmoulière A. 2014, Fibroblasts and myofibroblasts in wound healing. *Clin Cosmet Investig Dermatol*., 7, pp. 301-311.

de Souza Costa, C.A., Hebling, J., Scheffel, D.L., Soares, D.G., Basso, F.G., Ribeiro, A.P., 2014. Methods to evaluate and strategies to improve the biocompatibility of dental materials and operative techniques. *Dent. Mater*., 30, pp. 769-784.

Dick, M.K., Miao, J.H., Limaiem, F., 2021, Histology, Fibroblast, Treasure Island, StatPearls Publishing LLC.

Ebadian B., Mohammad R., Solmaz S., Ramin M., 2008, Evaluation of tissue reaction to some debture base materials : an animal study, *J contemp dent pract* 9 (4), pp. 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 Egyp J Hos Med*, 9 : P;74 – 84.

Emami, E., De Souza, R.F., Kabawat, M., Feine, J.S., 2013, The Impact of Edentulism on Oral and General Health, *International Journal of Dentistry*, Volume 2013, Article ID 498305, pp. 1-7.

Feng D.F., Gong H., Zhang J., dan Guo X., 2016, Effects of antibacterial coating on monomer exudation and the mechanical properties of denture base resins, *J. Prosth. Dent*, 117 (1), pp. 171-7.

Figueroa, R.M.S., Conterno, B., Arrais, C.A.G., Sugio, C.Y.C., Urban, V.M., Neppelembroek, K.H., 2018, Porosity, water sorption and solubility of denture base acrylic resins polymerized conventionally or in microwave, *J. Appl. Oral Sci*., 26:e20170383, pp. 1-7.

Garcia Lda, F., Marques, A.A., Roselino Lde, M., Pires-de-Souza Fde, C., Consani, S., 2010. Biocompatibility evaluation of Epiphany/Resilon root canal filling system in subcutane- ous tissue of rats. *J. Endod*. 36, pp. 110-114.

Glossary of Prosthodontic Terms, Edisi ke-9., 2017, *J. Prosthet. Dent.*, 117 (55), pp.e73

Goiato, M.C., Freitas, E., dos Santos, D., de Medeiros, R., Sonego, M., 2015, Acrylic Resin Cytotoxicity for Denture Base - Literature Review, *Adv. Clin. Exp. Med*., 24(4), pp. 679-686.

Goyal, S., 2006, Silane : Chemistry and application. Review article, *J. Indian Prosthodont. Soc.,* March 2006, Vol 6, Issue 1, pp. 1-13.

Grosso, D., 2011, How to exploit the full potential of the dip-coating process to better control film formation, *J. Mater. Chem.,* 21, pp. 17033-17038.

Grumezescu A., 2016, *Nanobiomaterials in Dentistry: Apllications of Nanobiomaterials*, Elsevier inc, Amsterdam, p. 212.

Gul, E.B., Atala, M.H., Eser, B., Polat, N.T., Asilturk, M., dan Gultek, A., 2015, Effects of coating with different ceromers on the impact strength, transverse strength and elastic modulus of polymethyl methacrylate, *Dent. Mater. J.,* 2015; 34(3), pp. 379-387.

Gunadi, H.A., Margo, A., Burhan, L.K., Suryatenggara, F., Setiabudi, I., 2013, *Buku ajar ilmu geligi tiruan sebagian lepasan*, *Jilid 1*, Hipokrates, Jakarta, pp. 151-224.

Gurbuz O., Unalan F., Dikbas I., 2008, *Comparison of Transverse Strength of Six Acrylic Denture Resins*, Turkey, University Of Istanbul, pp. 21-24.

Hameed, H.K., dan Rahman, H.A., 2015, The effect of addition nano particle $ZrO_2$ on some properties of autoclave processed heat cure acrylic denture base material, *J. Bagh. College Dentistry*, 27(1), pp. 32-39.

Heidari, B., Firouz, F., Izadi, A., Ahmadvand, S., Radan, S., 2015, Flexural Strength of Cold and Heat Cure Acrylic Resins Reinforced with Different Materials, Journal of Dentistry, 12(5), pp. 316-123

Hendrijatini, N., 2009, Biocompatibility of acrylic resin after being soaked in sodium hypochlorite, *Dent. J. (Maj. Ked. Gigi),* 42(2), pp. 94-98.

ITIS, 2021, *Rattus norvegicus*, https://doi.org/10.5066/F7KH0KBK, diakses pada 08 Oktober 2021 pukul 17.17.

Ivkovic, N., Božovic, D., Ristić, S., Mirjanić, V., Janković, O., 2013, The Residual Monomer in Dental Acrylic Resin and Its Adverse Effects, *Contemporary Materials*, IV-1, pp. 84-91.

Junqueira L.C., dan Carneir C., 2005. *Basic Histology: Textbook and Atlas*, 11th ed, Sao Paulo, Mc Graw Hill, p. 502.

Kamonwanon, P., Yodmongkol, S., Chantarachindawong, R., Thaweboon, S., Thaweboon, B., dan Srikhirin, T., 2015, Wear resistance of a modified polymethyl methacrylate artificial tooth compared to five commercially availkhannable artificial tooth materials, *J. Prosthet. Dent.,* 11, pp. 286-292.

Kesari, K.K., 2017, *Perspectives in Environmental Toxicology*, Swiss, Springer International Publishing, p. 168.

Khalifa, N., Allen, P.F., Abu-bakr, N.H., Abdel-Rahman, M.E., 2012, Factors associated with tooth loss and prosthodontic status among Sudanese adults, *Journal of Oral Science*, 54 (4), pp. 303-312.

Kowalak J.P., Welsh W., Brenna M., 2017, *Buku Ajar Patofisiolagi*, EGC, Jakarta, pp. 58-61.

Lacerda-Santos, R., de Meneses, I.H., de Morais Sampaio, G.A., Pithon, M.M., Alves, P.M., 2015. Effect of degree of conversion on in vivo biocompatibility of flowable resin used for bioprotection of mini-implants. *Angle Orthod.*, 86, pp. 157-163.

LaRosa, D.F., Orange, J.S., 2008, Lymphocytes, *J. Allergy Clin. Immunol*., 121(2), pp. S364 –S369

Lo, D. D., Hu, M. S., Zimmermann, A. S., Longaker, M. T., & Peter Lorenz, H. (2015). *Differences in Foetal, Adult Skin and Mucosal Repair. Stem Cell Biology and Tissue Engineering in Dental Sciences, 691–702*. doi:10.1016/b978-0-12-397157-9.00055-2

Lombardo, D., Kiselev, M.A., Caccamo, M.T., 2019, Smart Nanoparticles for Drug Delivery Application: Development of Versatile Nanocarrier Platforms in Biotechnology and Nanomedicine, *Journal of Nanomaterials*, Volume 2019, pp. 1-26. https://doi.org/10.1155/2019/3702518

Luhrs, A.K., Geurtsen, W., 2009, The Application of Silicon and Silicates in Dentistry: A Review, *Prog. Mol. Subcell. Biol.,* 47, pp. 359-380.

Lung, C. Y. K., dan Matinlinna J. P., 2012, Aspects of silanes coupling agets and surface conditioning in dentistry: an overview*, J. Dental Materials*, 28, pp. 416-677.

Matinlinna, J., Vallittu, P., 2007, Bonding of Resin Composites to Etchable Ceramic Surface-An Insight Review of the Chemical Aspect on Surface Conditioning, *Journal of Oral Rehabilitation*, 34(8), pp. 622-30.

Matinlinna J.P., Lung C.Y., dan Hon J.K., 2017, Silane adhesion mechanism in dental applications and surface treatments: A review., *J. Dent. Matr.* 24, pp. 13-28.

Mc Cabe, J.F., dan Walls, A.W.G., 2008, *Applied Detal Material*, 9th ed, Blackwell Publishing, Oxford, pp. 5-31, 40, 99, 101-109,110-123.

Moharamzadeh, K., Brook, I.M., Van Noort, R., 2009. Biocompatibility of resin-based dental materials. *Materials 2*, pp. 514-548.

Nagarajan, S., Rajendran, N., 2009, Surface characterisation and electrochemical behaviour of porous titanium dioxide coated 316L stainless steel for orthopaedic applications, *Applied Surface Science*, 255(7), pp. 3927-3932.

National Center for Biotechnology Information, 2019, Silicon dioxide, https://pubchem.ncbi.nlm.nih.gov/compound/Silicon-dioxide (accessed on Feb. 27, 2020)

Nihei, T., 2016, Dental applications for silane coupling agents, *Journal of Oral Science*, Vol. 58(2), pp. 151-155.

Nikbakht, A., Dehghanian, C., Parichehr, R., 2021, Silane coatings modified with hydroxyapatite nanoparticles to enhance the biocompatibility and corrosion resistance of a magnesium alloy, *RSC Advances*, 42, pp.1-33.

Nishimori H., Kondoh M., Isoda K., Tsunoda S., Tsutsumi Y., dan Yagi K., 2009, Silica nanoparticles as hepatoxicants*, Eur J of Pharm and Biopharm*, 72(3), pp. 496-501.

O'brien, W.J., 2002, *Dental Material and Their Selection*, 3rd Ed, Quintessence Publising Co, Inc, Canada, p. 12.

Pahwa, R., Goyal, A., Bansal, P., Jialal, I., 2021, Chronic Inflammation, Treasure Island (FL), Stat Pearls Publishing, https://www.ncbi.nlm.nih.gov/books/NBK493173/

Patra, J.K., Das, G., Fraceto, L.F., Campos, E.V.R., Rodriguez-Torres, M.P., Acosta-Torres, L.S., Diaz-Torres, L.A., Grillo, R., Swamy, M.K., Sharma, S., Habtemariam, S., Shin, H.S., 2018, Nano based drug delivery systems: recent developments and future prospects, *J. Nanobiotechnology*, 16:71, pp. 1-33.

Perdana, W., Diansari, V., Rahmayani, L., 2016, Distribusi Frekuensi Pemakaian Gigi Tiruan Lepasan Resin Akrilik dan Nilon Termoplastik Di Beberapa Praktek Dokter Gigi Di Banda Aceh, *Journal Caninus Denstistry,* Volume 1, Nomor 4, pp. 1-5.

Perrotti, V., Piattelli, A., Quaranta, A., Go´mez-Moreno, G., Iezzi, G., 2017. *Biocompatibility of dental biomaterials. In: Shelton, R. (Ed.),* Biocompatibility of Dental Biomaterials. Woodhead Publishing.

Pioli, P.D., 2019, Plasma Cells, the Next Generation: Beyond Antibody Secretion, *Front. Immunol*., https://doi.org/10.3389/fimmu.2019.02768, pp. 1-7.

Priyadarsini, S., Mukherjee, S., Mishra, M., 2018, Nanoparticles used in dentistry: A review, J. Oral Biol. Craniofac. Res., 8(1), pp. 58-67.

Punchard, N.A., Whelan, C.J., Adcock, I., 2004, The Journal of Inflammation, *J. Indlamm (Lond)*, 1(1), pp. 1-4.

Radhi, A., Lynch, C.D., Hannigan, A., 2007, Quality of written communication and master impressions for fabrication of removable partial prostheses in the Kingdom of Bahrain, *J Oral Rehabil*., 34(2), pp. 153-157.

Rajaraman, V., Ariga, P., Dhanraj, M., Jain, A.R., 2018, Effect of edentulism on general health and quality of life, *Drug Invention Today*,10 (04), pp. 549-553.

Ribatti, D., 2017, The discovery of plasma cells: An historical note, *Immunology Letters*, 188, pp. 64-67.

Sakaguchi, R.L., dan Powers J.M., 2012, C*raigs Restorative Dental Material*, 13th Ed, Philadelphia, Mosby Elsevier Inc, pp. 191-192, 327-348, 524-544.

Saravi, M.E., Vojdani, M., Bahrani, F., 2012, Evaluation of cellular toxicity of three denture base acrylic resins, *J. Dent. (Tehran)*, 9 (4), pp. 180-188.

Sheng, T.J., Shafee, M.F., Ariffin, Z., Jaafar, M., 2018, Review on poly-methyl methacrylate as denture base material, *Malaysian Journal of Microscopy*, 14(2018), pp. 1-16.

Singh, S., PalasKar, J.N., Mittal, S.V., 2013, Comparative evaluation of surface porosities in conventional heat polymerized acrylic resin cured by water bath and microwave energy with microwavable acrylic resin cured by microwave energy, *Contemporary Clinical Dentistry*, 4(02), pp. 147-151.

Smallman, R.E., Bishop, R.J., 2000, *Metalurgi Fisik Modern dan Rekayasa Material,* Edisi Keenam, Jakarta, Erlangga.

Sudiono, J., Kurniadhi, B., Hendrawan, A., Djimantoro, B., 2003, *Ilmu Patologi*, Jakarta, EGC, pp. 81-96.

Suryadi, I.A., Asmarajaya, A.A.G.N., Maliawan, S., 2014, Proses Penyembuhan dan Penanganan Luka, *E-Jurnal Pustaka Kesehatan, 10* (5), pp. 4-10.

Sylvia A.P., Lorraine M.W., 2006, *Patofisiologi Konsep Klinis Proses-Proses Penyakit* jilid 1, EGC, Jakarta, pp. 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.

Theddeus O.H.P., 2009, General concept of wound healing, revisited, *Med j ind,* 18, pp. 208-216.

Tracy, L.E., Minasian, R.A., Caterson, E.J., 2016, Extracellular Matrix and Dermal Fibroblast Function in the Healing Wound, *Adv Wound Care (New Rochelle)*, 5(3), pp. 119-136.

Tsuji, M., Ueda, T., Sawaki, K., Kawaguchi, M., dan Sakurai, K., 2015, Biocompatibility of a titanium dioxide-coating method for denture base acrylic resin, *Gerodontology,* 33(4), pp.1-6.

Vinna K.S., 2011, Peningkatan penyembuhan luka di mukosa oral melalui pemberian aloe vera (linn.) secara topikal, *JKM*, 1, pp. 70-79.

Yodmongkol, S., Chantarachindawong, R., Thaweboon, S., Thaweboon, B., Amornsakchai, T., Srikhirin, T., 2014, The effects of silane-SiO2 nanocomposite films on Candida albicans adhesion and the surface and physical properties of acrylic resin denture base material, *J. Prosthet. Dent*., 112(6), pp. 1530-1538.

Yoshizaki T., Akiba N., Inokoshi M., Shimada M., dan Minakuchi S., 2017, Hydrophilic nano-silica coating agents with platinum and diamond nanoparticles for denture base material, *Dental Material Journal*, pp. 333-39.

Zafar, M. S., Ullah, R., Qamar, Z., Fareed, M. A., Amin, F., Khurshid, Z., & Sefat, F., 2019, Properties of dental biomaterials*, Advanced Dental Biomaterials, pp. 7–35*.doi:10.1016/b978-0-08-102476-8.00002-5

Zayed M.A., Ahmad M.A., dan Amal E.F., 2014, Effect of surface treated silicon dioxide nanoparticles on some mechanical properties of maxillofacial silicone elastomer, *Int. J. Biomaterial*, pp. 398-405.