

DAFTAR PUSTAKA

- Al-Mahdy, Y.F., Eltayeb, H.E., 2016, The Effect of Nano-ZrO₂ and Nano-Al₂O₃ Reinforcement on Flexural and Impact Strength of Repaired Acrylic Denture Base, *ADJ-for Girls*, 5(1):89-100.
- American Dental Association, 2007, *ADA Spesification no.12-1975 Denture Base Polimers*, Council on Scientific Affairs ADA, Chicago.
- Anusavice, K.J., 2013, *Phillips' Science of Dental Materials Ed. 11*, Elsevier Science, St. Louis, p.475-496.
- Asopa, V., Suresh, S., Khandelwal, M., *et al.*, 2015, A Comparative Evaluation of Properties of Zirconia Reinforced High Impact Acrylic Resin With That of High Impact Acrylic Resin, *The Saudi Journal for Dental Research*, Vol.6:146-151.
- Azeredo, H.M., Mattoso, L.H., Wood, D., *et al.*, 2009, Nanocomposite Edible Film From Mango Puree Reinforced with Cellulose Nanofibers, *J Food Sci*, 74(5):31-35.
- Bartholomew, D.P., Paull, R.E., Rohrbach, K.G., 2018, *The Pineapple Botany, Production and Uses*, CABI Publishing, United Kingdom. p.25.
- Bettencourt, A.F., Neves, C.B., de Almeida, M.S., *et al.*, 2010, Biodegradation of Acrylic Based Resin: A Review, *Dent Mater*, 26(5):171-180.
- Budiharjo, A., Wahyuningtyas, E., Sugiatno, E., 2014, Pengaruh Lama Pemanasan Pasca Polimerisasi dengan *Microwave* Terhadap Monomer Sisa dan Kekuatan Transversa pada Reparasi Plat Gigi Tiruan Resin Akrilik, *Ked Gi*, 5(2):1-13
- Craig, R.G., Powers, J.M., Wataha, J.C., *et al.*, 2014, *Dental Materials: Properties and Manipulation 7th Ed*, Mosby, India, p.154.
- Darvell, B.W., 2009, *Material Science For Dentistry 9th Ed*, Woodhead Publishing Limited, UK, p.31-36.
- Daulay, S.A., Wirathama, F., Halimatuddahliana., *et al.*, 2014, Pengaruh Ukuran Partikel dan Komposisi Terhadap Sifat Kekuatan Bentur Komposit Epoksi Berpengisi Serat Daun Nanas, *J Teknik Kimia USU*, 3(3):13-17.

- David, D., Munadzirah, E., 2005, Perubahan Warna Lempeng Resin Akrilik yang Direndam dalam Larutan Desinfektan Sodium Hipoklorit dan Klorhexidin, *Maj. Ked. Gigi*, 38(1):36-40.
- Deng, F., Li, M.C., Ge, X., *et al.*, 2015, Cellulose Nanocrystals/Poly(Methyl Methacrylate) Nanocomposite Films: Effect of Preparation Method and Loading on the Optical, Thermal, Mechanical, and Gas Barrier Properties, *Poly Comp*, 38(1):1-10.
- Denry, I., Kelly, J.R., 2008, State of The Art of Zirconia For Dental Applications, *Dent Mat*, 24(3):299-307.
- Djustiana, N., Febrida, R., Panatarani, C., *et al.*, 2017, Microstructure Analysis of Zirconia-Alumina-Silica Particles Made from Indonesia natural Sand Synthesized Using Spray Pyrolysis Method, *Key Enginer Mat*, Vol.720:285-289.
- El-Sheikh, A.M., Al-Zahrani, S.B., 2006, Cause of Denture Fracture: a Survey, *Saudi Dent J*, 18(3):36-40.
- Ferracane, J.L., 2001, *Materials in Dentistry. Principles and Applications 2nd Ed.*, Lippincot Williams & Wilkins, Philadelphia, p.262-273.
- Firman, S.H., Muris, M., Junaedi, S., 2015, Studi Sifat Mekanik dan Morfologi Komposit Serat Daun Nanas-Epoxy Ditinjau Dari Fraksi Massa Dengan Orientasi Serat Acak, *J Sains dan Pend Fisika*, 11(2):185-191.
- Fraunhofer, J.A., 2010, *Dental Materials At A Glance*, Willey-Blackwell, Maryland, p.233.
- Fu, T., Montes, F., Suraneni, P., *et al.*, 2017, The Influence of Cellulose Nanocrystals on the Hydration and Flexural Strength of Portland Cement Pastes, *Polymers*, 9(424):1-16.
- Fultz, B., Howe, J.M., 2005, *Transmission Electron Microscopy and Diffractometry of Materials*, Springer, New York, p.374.
- Gundogdu, M., Kurklu, D., Yanikoglu, N., Kul., E., 2014, The Evaluation of Flexural Strength of Composite Resin Materials with and without Fiber, *Dentistry*, 4(9):1-6.
- Habibi, Y., Lucia, L.A., Rojas, O.J., 2010, Cellulose Nanocrystals: Chemistry, Self-Assembly, and Applications, *Chem.Rev*, 110(6):3479-3500.

- Hadi, T.S., Jokosisworo, S., Manik, P., 2016, Analisa Teknis Penggunaan Serat Daun Nanas Sebagai Alternatif Bahan Komposit Pembuatan Kulit Kapal Ditinjau Dari Kekuatan Tarik, Bending dan Impact, *J Teknik Perkapalan*, 4(1):323-331.
- Hafid, I.R., Sudibyoy, Harniati., E.D., 2018, Kekuatan Transversa Termoplastik Nilon Pasca Perendaman Teh, Kopi dan Minuman Isotonik, *Prosiding Seminar Nasional Mahasiswa Unimus*, Vol.1:12-19.
- Hatrack, C.D., Eakle, W.S., 2015, *Dental Materials: Clinical Applications for Dental Assistants and Dental Hygienists Ed. 3*, Saunders, St. Louis, p.193.
- Herlina, P., 2010, Potensi Kitosan Sebagai Anti Bakteri Penyebab Periodontitis, *J UI Untuk Bangsa Seri Kesehatan, Sains, dan Teknologi*, 1(2):12-24.
- Hidayat, P., 2008, Teknologi Pemanfaatan Serat Daun Nanas Sebagai Alternatif Bahan Baku Tekstil, *Teknoin*, 13(2):31-35.
- Ismiyati, T., 2006, Pengaruh Perendaman Khlorheksidin Sebagai Bahan Pembersih Terhadap Kekuatan Transversa Basis Gigi Tiruan Lengkap Resin Akrilik Dengan *Soft Liner*, *Maj Ked Gi*, 13(2):146-149.
- Ismiyati, T., Siswomihardjo, W., Soesatyoy, M.H.N.E., *et al.*, 2017, Campuran Kitosan dengan Resin Akrilik Sebagai Bahan Basis Gigi Tiruan Penghambat *Candida albicans*, *Maj KedGi Ind*, 3(3):139-145.
- Jorfi, M., Foster, J., 2015, Recent Advances In Nanocellulose for Biomedical Applications, *J App Polym Sci*, 132(41719):1-19.
- Khoshkalam, M., Sani, M.A.F., Nojoomi, A., 2013, Effect of Zirconia Content and Powder Processing on Mechanical Properties of Gelcasted ZTA Composite, *Trans. Ind. Ceram.*, 72(3):175-181.
- Kundie, F., Azhari, C.H., Ahmad, Z.A., 2018, Effect of Nano- and Micro-Alumina Fillers on Some Properties of Poly(Methyl Methacrylate) Denture Base Composites, *J. Serbian Chem Soc*, 83(1):75-91.
- Lin, N., Dufresne, A., 2014, Nanocellulose in Biomedicine:Current Status and Future Prospect, *Europ Polym J*, Vol 59: 302-325.
- Maccauro, G., Iommetti, P.R., Raffaelli, L., *et al.*, 2011, Alumina and Zirconia Ceramic for Orthopaedic and Dental Devices, *Biomat App Nanomed*, 3(5):299-308.

- Maharani, D.L., Cahyaningrum, S.E., Amaria, *et al.*, 2012, Preparasi dan Karakteristik Nano Komposit Kitosan-Silika dan Kitosan-Silika Titania, *J. Manusia dan Lingkungan*, 19(1):52-55.
- Mallikarjuna, A.V., 2014, Cytotoxicity of Acrylic Resin: A Review, *J Dent Med Sci*, 13(3):07-09.
- Manappallil, J.J., 2004, *Basic Dental Material 2th Ed*, Jaypee Brothers, New Delhi, p.13, 388-389, 540.
- Mishra, R.K., Sabu, A., Tiwari, S.K., 2018, Materials Chemistry and The Futurist Eco-Friendly Applications of Nanocellulose: Status and Prospect, *J of Saudy Chemical Society*, 22:949-978.
- Moraes, M.C.C.S.B., Elias, C.N., Filho, J.D., *et al.*, 2004, Mechanical Properties of Alumina-Zirconia Composites for Ceramic Abutments, *Mat Research*, 7(4):643-649.
- Munadzirah, E., 2004, Sitotoksisitas Resin Akrilik Jenis Heat-Cured Terhadap Sel Fibroblast, *Maj. Ked. Gigi*, 37(2):95-98.
- Naini, A., 2012, Perbedaan Stabilitas Warna Bahan Basis Gigi Tiruan Resin Akrilik Dengan Resin Nilon Termoplastis Terhadap Penyerapan Cairan,, *Stomatognatic (J.K.G.Unej)*, 9(1):28-32.
- Nilson, C., 2017, *Preparation and Characterization of Nanocellulose from Wheat Bran*, Tesis, Department of Chemical Engineering, Universitas Lund, Swedia.
- Nirwana, I., 2005, Kekuatan Transversa Resin Akrilik Hybrid Setelah Penambahan Glass Fiber Dengan Metode Berbeda, *Maj Ked Gigi*, 38 (1):16-9.
- Noort, R., 2007, *Introduction to Dental Materials 3rd*, Mosby Elsevier, London, p.156,178.
- O'Brien, W.J., 2002, *Dental Materials and Their Selection 3rd Ed*, Quintessence Publishing, Michigan, p.248.
- Özkurt, Z., İseri, U., Kazazoğlu, E., 2010, Zirconia Ceramic Post Systems: A Literature Review and A Case Report, *Den Mat J*, 29(3):233-245.
- Pantow, F.P.C.C., Siagian, K.V., Pangemanan, D.H.C., 2015, Perbedaan Kekuatan Transversal Basis Resin Akrilik Polimerisasi Panas Pada Perendaman Minuman Beralkohol dan Aquades, *J e-GiGi*, 3(2):398-402.

- Peng, B.L., Dhar, N., Liu, H.L., *et al.*, 2011, Chemistry and Applications of Nanocrystalline Cellulose and its Derivates: A Nanotechnology Perspective, *Can J Chem Eng*, Vol 89(1):1191-1206.
- Permatasari, T., Widodo, H.B., Zaini, A.R., *et al.*, 2012, Synthesis of Metakaolin-Zirconia-Apatite Nanocomposite for the Application of Direct Teeth Restoration, *SAS*, 1(1):1-4.
- Phanthong, P., Reubroycharoen, P., Hao, X., *et al.*, 2018, Nanocellulose: Extraction and Application, *Carbon Resources Conversion*, 1(3):33-43.
- Powers, J.M., Wataha, J.C., 2013, *Tenth Edition Dental Materials Properties and Manipulation*, Elsevier Mosby, St. Louis. p.175.
- Pribadi, S.B., Yogiartono, M., Agustantina, T.H., 2010, Perubahan Kekuatan Impak Resin Akrilik Polimerisasi Panas Dalam Perendaman Larutan Cuka Apel, *Dentofasial*, 9(1):13-20.
- Priyotomo, G., 2005, Karakterisasi Awal Kegagalan Material Baja Karbon Rendah Akibat Korosi Atmosfer di Lingkungan Industri, *Korosi*, 14(1):9-11.
- Ragher, M., 2016, Variations in Flexural Strength of Heat-Polymerized Acrylic Resin After The Usage of Denture Cleansers, *JCDP*, 17(4):322-326.
- Rahma, W.D., 2018, *Pengaruh Kadar Kitosan Dalam Resin Akrilik Terhadap Kekuatan Transversal*, Karya Tulis Ilmiah, Program Studi Kedokteran Gigi, Universitas Muhammadiyah Yogyakarta, Yogyakarta. (Dipublikasikan).
- Rahmadita, A., Putranti, D.T., 2018, Pengaruh Penambahan Alumina Oksida Terhadap Kekuatan Tarik dan Tekan Basis Gigi Tiruan Resin Akrilik Polimerisasi Panas, *J Ked Gi Unpad*, 30(3):189-194.
- Rahayu, L.H., Purnavita, S., 2007, Optimasi Pembuatan Kitosan Dari Kitin Limbah Cangkang Rajungan (*Portunus pelagicus*) Untuk Adsorben Ion Logam Merkuri, *Reaktor*, 11(1):45-49.
- Ratner, B.D., Hoffman, A.S., Schoen, F.J., *et al.*, 2004, *Biomaterials Science: An Introduction to Materials in Medicine 2th*, Elsevier Academic Press, San Diego, p.223.
- Sadamori, S., Ishii, T., Hamada, T., *et al.*, 2008, A Comparison Of Three Dimensional Change In Maxillary Complete Denture Conventional Heat Polymerizing and Microwave Polymerizing Techniques, *Dent J*, 40(1):6-10.

- Sari, V.D., Ningsih, D.S., Soraya, N.E., 2016, Pengaruh Konsentrasi Ekstrak Kayu Manis (*Cinnamomum burmanii*) Terhadap Kekasaran Permukaan Resin Akrilik *Heat Cured*, *J Syiah Kuala Dent*, 1(2):130-136.
- Savitri, E., Soeseno, N., Adiarto, T., 2010, Sintesis Kitosan, Poli(2-amino-2-deoksi-D-Glukosa), Skala *Pilot Project* dari Limbah Kulit Udang sebagai Bahan Baku Alternatif Pembuatan Biopolimer, *Prosiding Seminar Nasional Teknik Kimia "Kejuangan"*.
- Setiawan, A.A., Shofiyanti, A., Syahbanu, I., 2017, Pemanfaatan Limbah Daun Nanas (*Ananas comosus*) Sebagai Bahan Dasar Arang Aktif Untuk Adsorpsi Fe(II), *JKK*, 6(3):66-74.
- Shi, D., 2005, *Introduction to Biomaterials*, World Science, China, p.146.
- Steel, C.J., Torrie, J.H., 2005, *Prinsip dan Prosedur Statistik*, PT Gramedia, Jakarta.
- Sugita, P., Wukirsari, T., Sjahriza, A., et al., 2009., *Kitosan: Sumber Biomaterial Masa Depan*, IPB Press, Bogor. h.58.
- Sunarjono, H., 2008, *Berkebun 21 Jenis Tanaman Buah*, Penebar Swadaya, Jakarta, h.146.
- Talari, F.S., Qujeq, D., Amirian, K., Ramezani, A., Pourkhalili, H., Alhavaz, A., 2016, Evaluation The Effect of Cellulose Nanocrystalline Particles an Flexural Strength and Surface Hardness of Autopolymerized Temporary Fixed Restoration Resin, *IJBR*, 7(5):152-160.
- Tan, B.K., Ching, Y.C., Poh, S.C., et al., 2017, A Review of Natural Fiber Reinforced Poly(Vinyl Alcohol) Based Composites: Application and Opportunity, *Polymers*, 7(1):2205-2222.
- Temenof, J.S., Mikos, A.G., 2008, *Biomaterials The Intersection of Biology and Materials Science*, Pearson Education, New Jersey, p.152
- Vagkopoulou, T., Koutayas, S.O., Koidis, P., et al., 2009, Zirconia in Dentistry: Part 1. Discovering the Nature of an Upcoming Bioceramic, *The Eur J of Est Dent*, 4(2):130-151.
- Wahyu, A.P., Sumarji., Djumhariyanto, D., 2014, Pengaruh Variasi Panjang Serat dan Variasi Fraksi Volume Terhadap Kekuatan Mekanik Material Komposit Polyester Dengan Penguat Serat Daun Nanas, *Artikel Ilmiah Hasil Penelitian Mahasiswa Tahun 2014*, h.2.
- Walls, A.W.G., McCabe, J.F., 2008, *Applied Dental Materials 9th Ed*, Blackwell, Munksgaard, p.110, 113, 139.

- Wulandari, F., Rostiny., Soekobagiono., 2012, Pengaruh lama Perendaman Resin Akrilik *Heat Cured* Dalam Eugenol Minyak Kayu Manis Terhadap Kekuatan Transversa, *J Pros*, 3(1):1-5.
- Yadav, N.S., Elkawash, H., 2011, Flexural Strength of Denture Base Resin Reinforced With Aluminum Oxide and Processed by Different Processing Techniques, *J Adv Dental Research*, 2(1):1-4.
- Yang, X., Han, F., Xu, C., *et al.*, 2017, Effect of Preparation Methods on The Morphology and Properties of Nanocellulose (NC) Extracted from Corn Husk, *Industrial Crops & Products*, 109:241-247
- Zeni, M., Favero, D., Pacheco, K., *et al.*, 2015, Preparation of Microcellulose (Mcc) and Nanocellulose (Ncc) from Eucalyptus Kraft SSp Pulp, *iMedPub J*, 1(1):1-5.

