

- 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
- Alnamel Hasanen A., Muhammad Mudhaffar, 2014, The effect of Silicon di oxide Nano-Fillers reinforcement on some properties of heat cure polymethyl methacrylate denture base material, *J Bagh College Dentistry*, 26(1): 32-36.
- Al-khafagy MT, AL-Musawi RM, Al-Aboudy AT.2013,. The effect of using modified flask on the porosity of processed heat-cure acrylic resin.12 (1): 189-196.
- Anusavice, Kenneth J., Ralph W. Phillips, Chiayi Shen, and H. Ralph Rawls, 2013, *Phillips' Science of Dental Materials*, Mosby: Elsevier/Saunders, St. Louis, h. 143 – 170.
- Aslanimehr M., Shirin R., Ali M., Najmeh., 2017, Comparison of Candida albicans Adherence to Conventional Acrylic Denture Base Material and Injection Molding Acrylic Materials, *J Dent Shiraz Univ Med Sci*, 18(1): 61-64.
- Azuma, A., Akiba, N., Minakuchi, S., 2013, Hydrophilic surface modification of acrylic denture base material by silica coating and its influence on Candida albicans adherence, *J Med Dent Sci*,2012;59:1-7.
- Bauman, I., Curic, D., Boban, M., 2008, Mixing of Solids in Different Mixing Devices, *Sadhana*;33(6): 721-31.
- Cevik, P., Arzu Z.Y.B., 2016, The Effect of Silica and Prepolymer Nanoparticles on the Mechanical Properties of Denture Base Acrylic Resin, *J America Coll Prosth*, 00:1-8.
- Conda Lab., 2007, Sabouraud Dextrose Broth, [diunduh 3 Nov 2008]; <http://www.condalab.com/pdf/1205.pdf>
- Craig, R.G. 2002. *Restorative Dental Material*. 11th ed. New York: Churchill Livingstone Edinburg. p: 25-195.
- Dayanti, Marisa E., Eha Djulaeha, Harry Prajitno, 2010, Efektivitas Perendaman Lempeng Resin Akrilik dalam Infusa Daun Kemangi (*Ocinum Basilicum Linn*) Terhadap *Candida albicans*, *J Prosth Unair*, Vol.1(1).
- Elshereksi, N.W.,2014, Perspectives for Titanium-Derived Fillers Usage on Denture Base Composite Construction: A Review Article, *Adv Mat Sci Eng*, 1-13.



- Feng, D., Gong, H., Zhang, J., Guo, X., Yan, M., dan Zhu, S., 2017, Effects of antibacterial coating on monomer exudation and the mechanical properties of denture base resins, *J. Prosthet. Dent.*, 117(1): 171-177.
- Fraunhofer, J.A.V., 2010, *Dental materials at a glance*. 1 st ed., Wiley-Blackwell, Oxford, h. 16-17.
- Gaib, Zulfikar. (2011). Faktor-Faktor Yang Berpengaruh Terhadap Terjadinya Kandidiasis Eritematosa Pada Pengguna Gigi Tiruan Lengkap. Manado: Program Studi Kedokteran Gigi Universitas Sam Ratulangi.
- Goyal, S., 2006, Silanes : Chemistry and application, *J. Indian Prosthodont. Soc.*, 6(1): 14-18.
- Gul, E.B., Atala, M.H., Eser, B., Polat, N.T., Asilturk, M., Gultek, A., 2015, Effects of coating with different ceromers on the impact strength, transverse strength and elastic modulus of polymethyl methacrylate, *Dental Materials Journal* 2015; 34(3): 379–387.
- Gunadi, H.A., Margo, A., Burhan, L.K., Suryatenggara, F., Setiabudi, I., 2013, *Buku Ajar Ilmu Gigi Tiruan Sebagian Lepas*, Jilid I, Hipokrates, Jakarta, h. 11-12.
- Ihab 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.
- Kamonwanon, P., Yodmongkol, S., Chantarachindawong, R., Thaweboon, S., Thaweboon, B., Srihirin, T., 2015, Wear resistance of a modified polymethyl methacrylate artificial tooth compared to five commercially available artificial tooth materials, *J Prosthet Dent* 2015; 114: 286-292.
- Khalifa, N., Allen, P.F., Abu Bakar Nh., Abdel Rahman, M.E., 2012, Factor Associated with Tooth Loss and Prosthodontics Status Among Sudanese Adults, *Journal of Science*, 54 (4): 303-12.
- Kurtzman, C. P.; Fell, Jack W., 1998, *The yeasts, a taxonomic study* (4 ed). ISBN 978-0444813121
- Luhrs, A.K. dan Geurtsen, W., 2009, The application of silicon and *silica* in dentistry: a review, 47:359.
- Lung, C. Y. K., dan Matinlinna J. P., 2012, Aspects of silanes coupling agents and surface conditioning in dentistry: an overview, *J.Dental Materials*, 28: 416-677.
- Mallikarjuna, A.V., 2014, Cytotoxicity of Acrylic Resin: A Review, *OSR-JDMS*; Vol.13(3)Ver. II: 07-09.
- 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*, Vol.7, Iss.3, p:1-6.



PENGARUH NANO PARTIKEL SILICA DIOXIDE (SiO₂) KONSENTRASI 1%, 3%, 5% SEBAGAI FILLER BASIS GIGI TIRUAN RESIN AKRILIK TERHADAP PORUSITAS DAN PERLEKATAN CANDIDA ALBICANS

KUNCORO PRIYATNA B, Endang Wahyuningtyas, Heriyanti Amalia Kusuma

Universitas Gadjah Mada, 2021 | Diunduh dari <http://etd.repository.ugm.ac.id/>

Mc Cabe, J.F., dan Walls, A.W.G., 2008, *Applied Dental Material*, 9th ed, Blackwell Publishing, Oxford. p: 5-31, 40, 99, 101-9, 110-23.

Pathmashri.V.P., 2016, A Review on Denture Stomatitis, *J. Pharm. Sci. & Res.*, 8(8): 875-877.

Que Lab. Sabouraud Dextrose Broth. Montreal. 2000 [diunduh 3 Nov 2008]; <http://www.quelab.qc.ca/htmleng/2290a.html>

Radford, D. R., Challacombe S. J., & Walter, J. D., 1999, *Denture Plaque and Adherence of Candida albicans to Denture Base Materials In vivo and Vitro*, Departement of Prosthetic and Departement of Oral Medicine University of London. 10 (1) : 99-106.

Raharjo, P., Rukmo, M., Rulianto, M., 2002, Evaluasi Klinis Satu Tahun pada Tumpatan Resin Komposit Kelas VI, *Maj. Ked. Gigi (Dent. J.)*, Vol. 35. No.1, Surabaya, p: 11-3.

Sakaguchi dan Power, 2012, *Craig's Dental Restorative Materials*, 13th Ed., Elsevier Mosby, Philadelphia, 327-48.

Samaranayake LP., 2002 *Essential microbiology for dentistry. 2nd ed.* Edinburgh: Churchill Livingstone, h. 144

Sardi, J. C. O., 2016, "Candida species: current epidemiology, pathogenicity, biofilm formation, natural antifungal products and new therapeutic options, *Journal of Medical Microbiology*, 62(1):10–24. doi:10.1099/jmm.0.045054

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.

Smallman, R.E., Bishop, R.J., 2000, *Metalurgi Fisik Modern dan Rekayasa Material, Edisi keenam*, Terjemahan Sriati Djaprie, Erlangga Jakarta, h.70.

Surdia, T., Saito, S., 2000, *Pengetahuan Bahan Teknik*, Pradanya Pramita, Jakarta.

Tarigan, S., 2005, Pasien Prostodonsia Usia Lanjut : Beberapa Pertimbangan Dalam Perawatan, *Pidato Pengukuhan Guru Besar*, Universitas Sumatera Utara , Medan, p:23.

Van Noort, R., 2007, *Introduction to Dental Materials*, 3rd ed. London: Mosby, p:62- 63, 216-25.

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*, Elsevier, p:238-244.

Y.Han, S. Kiat-amnuay, J. M. Powers, and Y. Zhao, "Effect of nano-oxide concentration on the mechanical properties of a maxillofacial silicone elastomer," *The Journal of Prosthetic Dentistry*, vol. 100, no. 6, pp. 465–473, 2008.

Yoshijama Y., Murakami K., Kayama S., et al., 2010, Effect of substrate surface hydrophobicity on the adherence of yeast and hyphal Candida, *Mycoses*, 53: 221-6.



UNIVERSITAS
GADJAH MADA

**PENGARUH NANO PARTIKEL SILICA DIOXIDE (SI02)KONSENTRASI 1%,3%,5% SEBAGAI FILLER
BASIS GIGI TIRUAN
RESIN AKRILIK TERHADAP PORUSITAS DAN PERLEKATAN CANDIDA ALBICANS**
KUNCORO PRIYATNA B, Endang Wahyuningtyas;Heriyanti Amalia Kusuma
Universitas Gadjah Mada, 2021 | Diunduh dari <http://etd.repository.ugm.ac.id/>