

**DAFTAR PUSTAKA**

- Al-Sabbagh, M., & Shaddox, L. M. 2019. *Is Peri-Implantitis Curable?* Dental Clinics of North America. doi:10.1016/j.cden.2019.02.003
- Alphanto H. A., Stefani M. Widjanarko, N. D. Manalu, J. L. Penggunaan n(Ag-HAp) sebagai Material Pelapis Implan Ortopedi Untuk Menghambat Pembentukan Biofilm dan Mencegah Infeksi Pasca Implantasi. Fakultas kedokteran . Unika Atma Jaya.
- Arsista, Dede, Yosi Kusuma Eriwati. 2018. *Desain dan Fungsi Implan Kedokteran Gigi yang Beredar di Pasaran*. Program Magister Peminatan Ilmu Material Kedokteran Gigi, Fakultas Kedokteran Gigi. Universitas Indonesia
- Babbush CA. 1991. *Dental imlant principle and practice*. WB Saunders Company.  
United States of America
- Bartmanski, M., Cieslik, B., Glodowska, J., Kalka, P., Pawlowski, L., Pieper, M., & Zielinski, A. (2017). *Electrophoretic deposition (EPD) of nanohydroxyapatite - nanosilver coatings on Ti13Zr13Nb alloy*. Ceramics International, 43(15), 11820–11829. doi:10.1016/j.ceramint.2017.06.026
- Bennet T, Abee C, Henricson R. 1995. *Nonhuman primatas in biomedical research, biology and academic*. San Diego: 53-57
- BESRA, L., & LIU, M. (2007). *A review on fundamentals and applications of electrophoretic deposition (EPD)*. *Progress in Materials Science*, 52(1), 1-61. doi:10.1016/j.pmatsci.2006.07.001
- Buser D, Maeglin B. 1996. *Surgical procedures with ITI implants*. In: Schroeder A, Sutter F, Buser D, Krekeler G, editors. *Oral implantology*. New York: Thieme Publishers Inc.
- Chaloupka, K., Malam, Y., & Seifalian, A. M. (2010). *Nanosilver as a new generation of nanoproduct in biomedical applications*. *Trends in Biotechnology*, 28(11), 580–588. doi:10.1016/j.tibtech.2010.07.006
- Chen *et al.* 2017. "Injectable Thermosensitive Hydrogel Containig Hyaluronic Acid and Chitosan as a Barierr for Prevention of Postoperative Peritoneal". *Carbohydrate Polymers* 173(2017) 721-731.

- Chen, Y., Zheng, X., Xie, Y., Ji, H., Ding, C., Li, H., & Dai, K. 2010. *Silver release from silver-containing hydroxyapatite coatings*. *Surface and Coatings Technology*, 205(7), 1892-1896. doi:10.1016/j.surfcoat.2010.08.073
- Cochran D, Froum S. 2013. *Peri-Implant Mucositis and Peri-Implantitis: A Current Understanding of Their Diagnoses and Clinical Implications*. *J. Periodontol*.
- Darouiche, R. O. (2004). *Treatment of Infections Associated with Surgical Implants*. *New England Journal of Medicine*, 350(14), 1422–1429. doi:10.1056/nejmra035415
- Dorland W. A. N. 2002. *Kamus Kedokteran Dorland*. Terjemahan Huriawati Hartanto. Edisi Pertama. Jkarta: EGC Hal : 1815.
- Furqon, Ilham Alif, 2019. *Pelapisan Silver nanopartikel (AgNps) pada Stainless Steel ss316L dengan metode spray coating* . skripsi : Universitas Airlangga
- Guo, L., Yuan, W., Lu, Z., & Li, C. M. (2013). Polymer/nanosilver composite coatings for antibacterial applications. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 439, 69–83. doi:10.1016/j.colsurfa.2012.12.029
- Gong P, Li H, He X, Wang K, Hu J, Tan W, et al. *Preparation and antibacterial activity of Fe<sub>3</sub>O<sub>4</sub> Agnanoparticles*. *Nanotechnology* 2007;18:604–11.
- Heavens N. 1990. *Electrophoretic deposition as a processing route for ceramics*. In: Binner GP, editor. *Advanced ceramic processing and technology*, vol.1 Park Ridge (NJ), USA: Noyes Publications: 255-83
- Held, P. 2009. *An Absorbance-Based Cytotoxicity Assay Using High Absorptivity, Watersoluble Tetrazolium Salts*. *Application Note*. *Biotek Instruments, INC.*, Winooski, Vermont, 05404
- Ikhsan M, Cahya S, Ika K. 2014. *Karakteristik Material Biokompatibel Aplikasi Implan Medis Jenis Bone Plate*. Seminar Nasional Sains dan Teknologi Fakultas Teknik Universitas Muhammadiyah Jakarta.
- Keegan, G. M., Learmonth, I. D., & Case, C. P. (2007). Orthopaedic metals and their potential toxicity in the arthroplasty patient. *The Journal of Bone and Joint Surgery*. British Volume, 89-B(5), 567–573. doi:10.1302/0301-620x.89b5.18903

- Kim, Y., Babu, V.R., Thangadurai, D.T., Rao, K.S.V.K., Cha, H., Kim, C., Joo, W., Lee, Y., 2011, 'Synthesis, Characterization, and Antibacterial Applications of Novel Copolymeric Silver Nanocomposite Hydrogels', *Korean Chem*, vol. 32 : 2-553.
- Kirmanidou, Y., Sidira, M., Bakopoulou, A., Tsouknidas, A., Prymak, O., Papi, R., Michalakis, K. 2019. *Assessment of cytotoxicity and antibacterial effects of silver nanoparticle-doped titanium alloy surfaces*. *Dental Materials*. doi:10.1016/j.dental.2019.06.003
- Kokuro, S., Hando, O., Takagi, T., Ishiwaka, T., Naito, Y., & Yosikawa, T. 2010. *Nanopartikel Perak Sebagai Pengawet yang Aman untuk Digunakan Dalam Kosmetik*. *Nano*. 4:570-4
- Kulkarni, S. K. 2015. *'Nanotechnology : Principles dan Practices'*. 3rd edn. Pune, India: Capital Publishing Company. doi: 10.1007/978-3-319-09171-6.
- Kurnia, Dian Lestari, Amilia Ramadhani, Rikko Hudyono. 2014. *Implant Gigi One-Piece vs Two-Pieces dalam Praktek Sehari-Hari*. Jurusan Kedokteran Gigi FKIK Universitas Jenderal Soedirman. Purwokerto
- Liao Juan, Zhu Zhimin, Mo Anchun, Li Lei, Zhang Jingchao. 2010. *Deposition of silver nanoparticles on titanium surface for antibacterial effect*. China. publisher and licensee Dove Medical Press Ltd.
- Liu, R., Tang, Y., Zeng, L., Zhao, Y., Ma, Z., Sun, Z., Yang, K. (2018). *In vitro and in vivo studies of anti-bacterial copper-bearing titanium alloy for dental application*. *Dental Materials*, 34(8), 1112–1126. doi:10.1016/j.dental.2018.04.007
- Ma, K., Gong, L., Cai, X., Huang, P., Cai, J., Huang, D., & Jiang, T. (2017). *A green single-step procedure to synthesize ag-containing nanocomposite coatings with low cytotoxicity and efficient antibacterial properties*. *International Journal of Nanomedicine*, 12, 3665–3679. <https://doi.org/10.2147/IJN.S130857>
- Mandracci, P., Mussano, F., Rivolo, P., & Carossa, S. (2016). *Surface Treatments and Functional Coatings for Biocompatibility Improvement and Bacterial Adhesion Reduction in Dental Implantology*. *Coatings*, 6(1), 7. doi:10.3390/coatings6010007

- Martin, Billy., Robert Lessang. 2015. *Peri-implantitis: definisi, diagnosis, etiologi dan manajemen penatalaksananya*. Fakultas Kedokteran Gigi Universitas Hasanuddin. Jakarta
- Mc Glumphy, EA dan Larsen, PE., 2003, *Contemporary Implant Dentistry*, In Peterson *Implant Dentistry, Contemporary Oral and Maxillofacial Surgery*, Fourth ed. Mosby, St Louis
- Mutia T, Eriningsih R, Safitri R. 2011. Membran alginat sebagai pembalut luka primer dan media penyampaian obat topikal untuk luka yang terinfeksi. *Jurnal Riset Industri*. V(2): 161-174
- Nanang NH. 2011. Sintesis dan karakterisasi sifat makroskopik nano-komposit HA/kitosan (n-Hap/Cs) untuk aplikasi tulang. Thesis: Universitas Airlangga.
- Nanosains, J. (2009). Review : *Karakterisasi Nanomaterial*, 2(1), 1–9.
- Palmer, Timothy R. 2011. *Investigation of Electrophoretic Deposition as a Fabrication Technique for High Performances Composites*. Thesis Master of Science in Medical Engineering at MIT.
- Panjaitan B, Gunanti, Noviana D, Ulum MF, Sukmana I. 2014. *Pengaruh implantasi porous tantalum berlapis hidroksiapatit terhadap gambaran darah merah tikus sprague*. *Jurnal kedokteran hewan sep* (8): 151-153.
- Park, J.B., and Lakes, R.S., 2017. *Biomaterials An Introduction: Third Edition*. Springer. New York.
- Prabhu, S. dan Poulouse, E. 2012. *Silver Nanoparticles: Mechanism of Antimicrobials Action, Synthesis, Medical Application, and Toxicity Effects*. Springer Nano Letters 2 : 23. India
- Prahasanti, Chiquita, Ernie Maduratna Setiawatie, dkk. 2017. *Proceeding: The 3<sup>rd</sup> Periodontic Seminar (Perios 3): Cosmetic and Functional in Modern Periodontic*. Airlangga University Press. Surabaya
- Pratama, Agus Dian. 2014. *Pelapisan Hidroksiapatit dari Tulang Sotong (Sepia sp.) pada SS 316L untuk Aplikasi Implan Tulang Prostetik*. Skripsi Fakultas Sains dan Teknologi.
- Poli, P. P., Cicciu, M., Beretta, M., & Maiorana, C. 2017. *Peri-Implant Mucositis and Peri-Implantitis: A Current Understanding of Their Diagnosis, Clinical Implications, and a Report of Treatment Using a Combined Therapy*

- Approach*. Journal of Oral Implantology, 43(1), 45–50. doi:10.1563/aaid-joi-d-16-00082
- Raharjo, Samsudi. 2010. *Pengaruh Variasi Tegangan Listrik dan Waktu Proses Elektroplating Terhadap Ketebalan Serta Kekerasan Lapisan pada Baja Karbon Rendah dengan Krom*. Skripsi Program Pascasarjana Universitas Diponegoro
- Ramanauskaite A, Daugela P, Faria e Almeida R, Saulacic N. 2016. *Surgical Non-Regenerative Treatments for Peri-Implantitis*. A Systematic Review. J Oral Maxillofac Res.
- Ratner, B. D., et al., 2004, *Biomaterial Science, Second Edition*, Elsevier Scademic Press, San Diego.
- Roy, M., Fielding, G. A., Beyenal, H., Bandyopadhyay, A., & Bose, S. (2012). *Mechanical, In vitro Antimicrobial, and Biological Properties of Plasma-Sprayed Silver-Doped Hydroxyapatite Coating*. *ACS Applied Materials & Interfaces*, 4(3), 1341–1349. doi:10.1021/am201610q
- Sakka, Y. dan Uchikooshi T. 2010. *Forming and Microstructure Control of Ceramics by Electrophoretic Depositions*. KONA Powder and Particles Journal No.28
- Shi D. 2004. *Biomaterial And Tissue Engineering*. Cincinnati: Department Of Chemical And Materials Engineering.
- Song. Linjiang *et al.* 2016. “*Intraperitoneal adhesion prevention with a biodegradable and injectable N,O-carboxymethyl chitosanaldehydehyaluronic acid hydrogel in a rat repeated-injury mode*”. Scientific RepoRts. DOI: 10.1038/srep37600
- Spielman, H. Hoffmann, S. Botham, P. Roguet, R. Jones, P. 2007. *The ECVAM International Validation Study on In Vitro Tests for Acute Skin Irritation: Report on the Validity of the EPISKIN and EpiDerm Assays and on the Skin Integrity Function Test*. Germany: ATLA
- Sun, J., & Liu. (2012). *Antimicrobial and osteogenic effect of Ag-implanted titanium with a nanostructured surface*. *International Journal of Nanomedicine*, 875. doi:10.2147/ijn.s28450
- Sulistiono, G.S., Nurbainah Wahyudi, S.T., Sitompul A. 2007. *Pelapisan SS 316L*

*dengan Hidroksiapatit Menggunakan Teknik Electrophoretic Deposition.* Jurnal Sains Materi Indonesia: LIPI (ISSN: 1411-1098, Akreditasi LIPI Nomor: 536/D/2007).

- Sutowo. C, Ikhsan M, Kartika I. 2014. *Karakteristik Material Biokompatibel Aplikasi Implan Medis Jenis Bone Plate.* Jakarta : Fakultas Teknik Universitas Muhammadiyah. Seminar Nasional Sains dan Teknologi
- Tamayo, L. A., Zapata, P. A., Vejar, N. D., Azócar, M. I., Gulppi, M. A., Zhou, X., ... Páez, M. A. (2014). *Release of silver and copper nanoparticles from polyethylene nanocomposites and their penetration into Listeria monocytogenes.* *Materials Science and Engineering: C*, 40, 24–31. doi:10.1016/j.msec.2014.03.037
- V. Orozco Carmona *et al.* 2014. *Effect of Silver Nanoparticles in a Hydroxyapatite Coating applied by Atmospheric Plasma Spray.* *Int. J. Electrochem. Sci.*, 9 (2014) 7471 - 7494
- Watuna, Fransisca F., Mona P. Wowor, Krista V. 2015. *Gambaran Rongga Mulut pada Lansia Pemakai Gigi Tiruan Sebagian Lepas di Panti Werda Kabupaten Minahasa.* Program Studi Pendidikan Dokter Gigi. Fakultas Kedokteran Universitas Sam Ratulangi Manado.
- Zhang, X. F., Liu, Z. G., Shen, W., & Gurunathan, S. (2016). *Silver nanoparticles: Synthesis, characterization, properties, applications, and therapeutic approaches.* *International Journal of Molecular Sciences*, 17(9). <https://doi.org/10.3390/ijms17091534>
- Zhao, L., Wang, H., Huo, K., Cui, L., Zhang, W., Ni, H., ... Chu, P. K. (2011). *Antibacterial nano-structured titania coating incorporated with silver nanoparticles.* *Biomaterials*, 32(24), 5706–5716. doi:10.1016/j.biomaterials.2011.04.040