

DAFTAR PUSTAKA

- Anugraha, A., Hughes, L. D., & Pillai, A. 2019. *A novel technique for fabricating antibiotic-coated intramedullary nails using an antibiotic-loaded calcium sulphate hydroxyapatite bio-composite, Cerament-V. Journal of Surgical Case Reports, 2019 (11).*
- Birt, M. C., Anderson, D. W., Bruce Toby, E., & Wang, J. 2017. *Osteomyelitis: Recent advances in pathophysiology and therapeutic strategies. Journal of Orthopaedics, 14(1), 45–52.*
- Budiatin, A.S. 2014. Pengaruh Glutaraldehyd Sebagai *Cross-link Agent* Gentamisin dengan Gelatin terhadap Peningkatan Efektivitas *Bovine Hydroxyapatite-Gelatin* sebagai Sistem Penghantaran Obat dan Pengisi Tulang. Surabaya : Fakultas Sains dan Teknologi. **Disertasi.**
- Budiatin, A.S., Zainuddin, M., Khotib, J. 2014. *Biocompatible composite as gentamicin delivery system for osteomyelitis and bone regeneration. International Journal of Pharmacy and Pharmaceutical Sciences. 6 (3). p. 4. ISSN 0975-1491.*
- Budiatin, A.S., Zainuddin, M., Khotib, J. 2013. *In-Vitro Gentamicin Release from Bioactive BHAG(ELENA) Implant Against Staphylococcus aureus. Journal of Biological Researches (Jurnal Berkata Penelitian Hayati). 18 (2). p. 3. ISSN 0852-6834.*
- Burmawi, Burmawi. 2018. *Karakterisasi Sifat Fisik dan Mekanik Komposit Hidroksiapatit – Borosilikat dibuat dengan Teknik Pressure Sintering. Doctoral thesis, Universitas Andalas.*
- Boyle KK, Sosa B, Osagie L, Turajane K, Bostrom MPG, Yang X. 2019. Vancomycin-laden calcium phosphate-calcium sulfate composite allows bone formation in a rat infection model. **PLoS ONE 14(9): e0222034.**
- Chung, T.-C., Yang, S.-C., Chen, H.-S., Kao, Y.-H., Tu, Y.-K., & Chen, W.-J. 2014. *Single-Stage Anterior Debridement and Fibular Allograft*

- Implantation Followed by Posterior Instrumentation for Complicated Infectious Spondylitis. **Medicine**, 93(27), e190.*
- Dai, Z., Li, Y., Lu, W., Jiang, D., Hong, H., Yan, Y., Yang, A. 2015. *In vivo biocompatibility of new nano-calcium-deficient hydroxyapatite/poly-amino acid complex biomaterials. **International Journal of Nanomedicine**, 6303.*
- Dorozhkin, S. 2015. *Calcium Orthophosphate-Containing Biocomposites and Hybrid Biomaterials for Biomedical Applications. **Journal of Functional Biomaterials**, 6(3), 708–832.*
- Drampalos, E., Mohammad, H. R., Kosmidis, C., Balal, M., Wong, J., & Pillai, A. 2018. *Single stage treatment of diabetic calcaneal osteomyelitis with an absorbable gentamicin-loaded calcium sulphate/hydroxyapatite biocomposite: The Silo technique. **The Foot**, 34, 40–44.*
- Drampalos, E., Mohammad, H. R., & Pillai, A. 2019. *Augmented debridement for implant related chronic osteomyelitis with an absorbable, gentamycin loaded calcium sulfate/hydroxyapatite biocomposite. **Journal of Orthopaedics**.*
- Dudareva, M., Kümin, M., Vach, W., Kaier, K., Ferguson, J., McNally, M., & Scarborough, M. 2019. *Short or Long Antibiotic Regimes in Orthopaedics (SOLARIO): a randomised controlled open-label non-inferiority trial of duration of systemic antibiotics in adults with orthopaedic infection treated operatively with local antibiotic therapy. **Trials**, 20(1).*
- Gomes, D., Pereira, M., & Bettencourt, A. F. 2013. *Osteomyelitis: an overview of antimicrobial therapy. **Brazilian Journal of Pharmaceutical Sciences**, 49(1), 13–27.*
- Haugen, H. J., Lyngstadaas, S. P., Rossi, F., & Perale, G. 2019. *Bone grafts: which is the ideal biomaterial? **Journal of Clinical Periodontology**.*
- Inzana, J. A., Schwarz, E. M., Kates, S. L., & Awad, H. A. 2016. *Biomaterials approaches to treating implant-associated osteomyelitis. **Biomaterials**, 81, 58–71.*

- Khan, P. K., Mahato, A., Kundu, B., Nandi, S. K., Mukherjee, P., Datta, S., Mandal, C. 2016. *Influence of single and binary doping of strontium and lithium on in vivo biological properties of bioactive glass scaffolds. Scientific Reports*, 6(1).
- Lu, M., Liao, J., Dong, J., Wu, J., Qiu, H., Zhou, X., Quan, Z. 2016. *An effective treatment of experimental osteomyelitis using the antimicrobial titanium/silver-containing nHP66 (nano-hydroxyapatite/polyamide-66) nanoscaffold biomaterials. Scientific Reports*.
- Lulu, G. A., Karunanidhi, A., Mohamad Yusof, L., Abba, Y., Mohd Fauzi, F., & Othman, F. 2018. *In vivo efficacy of tobramycin-loaded synthetic calcium. Annals of Clinical Microbiology and Antimicrobials*.
- Luo, S., Jiang, T., Yang, Y., Yang, X., & Zhao, J. 2016. *Combination therapy with vancomycin-loaded calcium sulfate and vancomycin-loaded PMMA in the treatment of chronic osteomyelitis. BMC Musculoskeletal Disorders*, 17(1)
- Maffulli, N., Papalia, R., Zampogna, B., Torre, G., Albo, E., & Denaro, V. 2016. *The management of osteomyelitis in the adult. The Surgeon*, 14(6), 345–360.
- Oezel L, Bu`ren C, Scholz AO, Windolf J, Windolf CD. 2019. Effect of antibiotic infused calcium sulfate/hydroxyapatite (CAS/HA) insets on implant-associated osteitis in a femur fracture model in mice. **PLoS ONE** 14(3): e0213590.
- Ohan S. Manoukian, ... Sangamesh G. Kumbar, in *Encyclopedia of Biomedical Engineering*, 2019. Diakses dari (<https://www.sciencedirect.com/topics/medicine-and-dentistry/poly-methyl-methacrylate>) pada tanggal 20 Juni 2020.
- Panteli, M. and Giannoudis, P. V. 2016. Chronic Osteomyelitis : What the Surgeon Needs to know. *EFORT Open Reviews*, vol. 1, no. 5, p. 128-135.

- Van Vugt, T.A.G. MD., Walraven, J.M.B. MD., Geurts, J.A.P. MD.PhD., and Arts, J.J.C. MSc. PhD. 2018. *Antibiotic-Loaded Collagen Sponges in Clinical Treatment of Chronic Osteomyelitis A Systematic Review*. **The Journal of Bone and Joint Surgery**, vol. 100-A, no. 24, p. 2153-2161.
- Pinto, D., Manjunatha, K., Savur, A. D., Ahmed, N. R., Mallya, S., & Ramya, V. 2019. *Comparative study of the efficacy of gentamicin-coated intramedullary interlocking nail versus regular intramedullary interlocking nail in Gustilo type I and II open tibia fractures*. **Chinese Journal of Traumatology**.
- Qin, C., Xu, L., Liao, J., Fang, J., & Hu, Y. 2018. *Management of Osteomyelitis-Induced Massive Tibial Bone Defect by Monolateral External Fixator Combined with Antibiotics-Impregnated Calcium Sulphate: A Retrospective Study*. **BioMed Research International**, 2018, 1–8.
- Qin, C.-H., Zhou, C.-H., Song, H.-J., Cheng, G.-Y., Zhang, H.-A., Fang, J., & Tao, R. 2019. *Infected bone resection plus adjuvant antibiotic-impregnated calcium sulfate versus infected bone resection alone in the treatment of diabetic forefoot osteomyelitis*. **BMC Musculoskeletal Disorders**, 20(1).
- Qiu, X., Chen, Y., Qi, X., Shi, H., Wang, J., & Xiong, J. 2017. *Outcomes of cement beads and cement spacers in the treatment of bone defects associated with post-traumatic osteomyelitis*. **BMC Musculoskeletal Disorders**, 18(1).
- The Korean Society for Chemotherapy, The Korean Society of Infectious Diseases, and The Korean Orthopaedic Association. 2014. *Clinical Guidelines for the Antimicrobial Treatment of Bone and Joint Infections in Korea*. **Infection and Chemotherapy**. **Infect Chemother** 2014;46(2):125-138 pISSN 2093-2340 · eISSN 2092-6448.
- Thompson, K., Petkov, S., Zeiter, S., Sprecher, C.M., Richards, R.G., Moriarty, T.F. 2019. *Intraoperative loading of calcium phosphate-coated implants*

- with gentamicin prevents experimental *Staphylococcus aureus* infection *in vivo*. **PLoS ONE** 14(2): e0210402.
- Umadevi. N, and Dr.S.N.Geethalakshmi. 2015. A brief study on human bone anatomy and bone fractures. **IJCES International Journal of Computer Engineering Science**, vol. 1,no.3, p. 97-101.
- Van Vugt, T.A.G., Walraven, MD, J.M.B. Geurts, MD, J.A.P. MD, PhD., and Arts, J.J.C. MSc, PhD. 2018. *Antibiotic-Loaded Collagen Sponges in Clinical Treatment of Chronic Osteomyelitis*. A systematic Review. **The Journal of Bone and Joint Surgery**. p. 2153-2161.
- Wang, X., Wang, Z., Fu, J., Huang, K., & Xie, Z. 2017. *Induced membrane technique for the treatment of chronic hematogenous tibia osteomyelitis*. **BMC Musculoskeletal Disorders**, 18(1).
- Yan, L., Wu, J., Jiang, D., Wu, J., Wang, X., Wang, Z., Yi, Y. 2015. *Treatment of Staphylococcus aureus-induced chronic osteomyelitis with bone-like hydroxyapatite/poly amino acid loaded with rifapentine microspheres*. **Drug Design, Development and Therapy**, 3665.
- Zhou, C.-H., Ren, Y., Ali, A., Meng, X.-Q., Zhang, H.-A., Fang, J., & Qin, C.-H. 2020. *Single-stage treatment of chronic localized tibial osteomyelitis with local debridement and antibiotic-loaded calcium sulfate implantation: a retrospective study of 42 patients*. **Journal of Orthopaedic Surgery and Research**, 15(1).
- Zhang, Y., Liang, R., Xu, J., Shen, L., Gao, J., Wang, X., Hu, Y. 2017. *Efficient induction of antimicrobial activity with vancomycin nanoparticle-loaded poly(trimethylene carbonate) localized drug delivery system*. **International Journal of Nanomedicine**, Volume 12, 1201–1214.