

## DAFTAR PUSTAKA

- Abdullah, M., & Khairurrijal. (2008). Review: Karakterisasi Nanomaterial. Bandung: FMIPA ITB.
- Aksoy, C., Guliyev, A., Kilic, E., Uckan, D., & Severcan, F. (2012). Bone marrow mesenchymal stem cells in patients with beta thalassemia major: molecular analysis with attenuated total reflection-Fourier transform infrared spectroscopy study as a novel method. *Stem Cells and Development*, 21(11), 2000–2011.
- American Academy of Orthopaedic Surgeons. (2018). Fractures (Broken Bones) - OrthoInfo - AAOS. Retrieved November 13, 2018, from <https://orthoinfo.aaos.org/en/diseases--conditions/fractures-broken-bones/>
- Antebi, B., Ii, L. A. R., Iii, K. P. W., Asher, A. M., & Kamucheka, R. M. (2018). Short-term physiological hypoxia potentiates the therapeutic function of mesenchymal stem cells, 1–15.
- Aslanturk, O. S. (2018). In Vitro Cytotoxicity and Cell Viability Assays: Principles, Advantages, and Disadvantages. In *Genotoxicity-A Predictable Risk to Our Actual World* (Vol. i, p. 13). Intech Open. <https://doi.org/http://dx.doi.org/10.5772/57353>
- Bano, N., Jikan, S. S., Basri, H., Abu Bakar, S. A., & Nuhu, A. H. (2017). Natural Hydroxyapatite Extracted from Bovine Bone. *Journal of Science and Technology*, 9(2), 22–28.
- Barakat, N. A. M., Khil, M. S., Omran, A. M., Sheikh, F. A., & Kim, H. Y. (2009). Extraction of pure natural hydroxyapatite from the bovine bones bio waste by three different methods. *Journal of Materials Processing Technology*. <https://doi.org/10.1016/j.jmatprotec.2008.07.040>
- Bari, E., Perteghella, S., Di Silvestre, D., Sorlini, M., Catenacci, L., Sorrenti, M., ... Torre, M. (2018). Pilot Production of Mesenchymal Stem/Stromal Freeze-Dried Secretome for Cell-Free Regenerative Nanomedicine: A Validated GMP-Compliant Process. *Cells*, 7(11), 190. <https://doi.org/10.3390/cells7110190>
- Berzina-Cimdina, L. and Borodajenko, N. (2012) ‘Research of Calcium Phosphates Using Fourier Transform Infrared Spectroscopy’, *Infrared Spectroscopy - Materials Science, Engineering and Technology*. doi: 10.5772/36942.
- Bohner, M., & Lemaître, J. (2009). Can bioactivity be tested in vitro with SBF solution? *Biomaterials*, 30(12), 2175–2179. <https://doi.org/10.1016/j.biomaterials.2009.01.008>

- Boregowda, S., Krishnappa, V., Chambers, J., LoGrasso, P. V, Lai, W.-T., Ortiz, L. A., & Phinney, D. G. (2012). Atmospheric Oxygen Inhibits Growth and Differentiation of Marrow-Derived Mouse Mesenchymal Stem Cells via p53 Dependent Mechanism: Implications for Long-Term Culture Expansion. *Stem Cells*, 30(5), 975–987. <https://doi.org/10.1161/CIRCULATIONAHA.110.956839>
- Brydone, A. S., Meek, D., & MacLaine, S. (2010). Bone grafting, orthopaedic biomaterials, and the clinical need for bone engineering. *Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine*, 224(12), 1329–1343. <https://doi.org/10.1243/09544119JEIM770>
- Buitrago-Vásquez, M., & Ossa-Orozco, C. P. (2018). Degradation, water uptake, injectability and mechanical strength of injectable bone substitutes composed of silk fibroin and hydroxyapatite nanorods. *Revista Facultad de Ingeniería*, 27(48), 49–60. <https://doi.org/10.19053/01211129.v27.n48.2018.8072>
- Burdette, A. J., Guda, T., Thompson, M. E., Banas, R., & Sheppard, F. (2018). A Novel Secretome Biotherapeutic Influences Regeneration in Critical Size Bone Defects. *Journal of Craniofacial Surgery*, 29(1), 116–123. <https://doi.org/10.1097/SCS.0000000000004103>
- Cahyana, A., & Marzuki, A. (2014). *Analisa SEM (Scanning Electron Microscopy) pada Kaca TZN yang Dikristalkan Sebagian*. Solo: Ilmu Fisika Pascasarjana Universitas Sebelas Maret.
- Campana, V., Milano, G., Pagano, E., Barba, M., Cicione, C., Salonna, G., ... Logroscino, G. (2014). Bone substitutes in orthopaedic surgery: from basic science to clinical practice. *Journal of Materials Science: Materials in Medicine*, 25(10), 2445–2461. <https://doi.org/10.1007/s10856-014-5240-2>
- Center, C. C. R. (2015). SOP Uji Sitotoksik Metode MTT. Retrieved from [ccrc.farmasi.ugm.ac.id/wp-content/uploads/10\\_sop-uji-sitotoksik-metode-mtt.pdf](http://ccrc.farmasi.ugm.ac.id/wp-content/uploads/10_sop-uji-sitotoksik-metode-mtt.pdf)
- Chang, W., Kim, R., Park, S. I., Jung, Y. J., Ham, O., Lee, J., ... Maeng, L.-S. (2015). Enhanced Healing of Rat Calvarial Bone Defects with Hypoxic Conditioned Medium from Mesenchymal Stem Cells through Increased Endogenous Stem Cell Migration via Regulation of ICAM-1 Targeted-microRNA-221. *Molecules and Cells*, 38(7), 643–650. <https://doi.org/10.14348/molcells.2015.0050>

- Chen, Z. et al. (2014) 'Degradability of injectable calcium sulfate/mineralized collagen-based bone repair material and its effect on bone tissue regeneration', *Materials Science and Engineering C. Elsevier B.V.*, 45, pp. 94–102. doi: 10.1016/j.msec.2014.08.060.
- Claes, L., Recknagel, S., & Ignatius, A. (2012). Fracture healing under healthy and inflammatory conditions. *Nature Reviews Rheumatology*, 8(3), 133–143. <https://doi.org/10.1038/nrrheum.2012.1>
- Corso, P., Finkelstein, E., Miller, T., Fiebelkorn, I., & Zaloshnja, E. (2015). Incidence and lifetime costs of injuries in the United States. *Injury Prevention*. <https://doi.org/10.1136/ip.2005.010983rep>
- Cunningham, C. J., Redondo-Castro, E. and Allan, S. M. (2018) 'The therapeutic potential of the mesenchymal stem cell secretome in ischaemic stroke', *Journal of Cerebral Blood Flow and Metabolism*, 38(8), pp. 1276–1292. doi: 10.1177/0271678X18776802.
- Doyle, A., & Griffiths, J. (2000). *Cell and Tissue Culture for Medical Research*. New York: John Wiley and Sons Ltd.
- Eisa, M., Al Dabbas, M. and Abdulla, F. (2015) 'Quantitative identification of phosphate using X-Ray diffraction and Fourier transform infra red ( FTIR ) spectroscopy', *International Journal of Current Microbiology and Applies Sciences*, 4(1), pp. 270–283.
- FEI. (2019). Scanning Electron Microscope. Retrieved April 27, 2019, from <http://www.fei.co.jp/uploadedImages/Images/Products/SEM/Inspect>
- Ferdiansyah. (2010). Regenerasi pada Massive Bone Defect dengan Bovine Hydroxyapatite sebagai Scaffold Mesenchymal Stem Cell. Universitas Airlangga.
- Ferreira, J. R., Teixeira, G. Q., Santos, S. G., Barbosa, M. A., Almeida-Porada, G., & Gonçalves, R. M. (2018). Mesenchymal Stromal Cell Secretome: Influencing Therapeutic Potential by Cellular Pre-conditioning. *Frontiers in Immunology*, 9(December), 2837. <https://doi.org/10.3389/fimmu.2018.02837>
- Fillingham, Y., & Jacobs, J. (2016). Bone grafts and bone substitutes. *The Bone & Joint Journal*, 98-B(Suppl A), 6–9. <https://doi.org/10.1302/0301-620X.98B1.36350>
- Fitriah, H., Mahatmandi, W., & Wahyuni, S. (2012). Pengaruh konsentrasi pada pembuatan membran kitosan terhadap selektivitas ion Zn(II) dan Fe(II). *Indonesian Journal of Chemical Science*, 2, 104–109.

- Florea, D. A., Chircov, C. and Grumezescu, A. M. (2020) ‘Hydroxyapatite particles-directing the cellular activity in bone regeneration processes: An up-to-date review’, *Applied Sciences (Switzerland)*, 10(10), pp. 1–12. doi: 10.3390/app10103483.
- Gaidhani, K. A., Harwalkar, M., Bhambere, D., & Nirgude, P. S. (2015). Lyophilization/Freeze Drying-A Review. *World Journal of Pharmaceutical Research*, 4(8), 516–543.
- Han, Y. et al. (2018) ‘Key factors in FTIR spectroscopic analysis of DNA: The sampling technique, pretreatment temperature and sample concentration’, *Analytical Methods*, 10(21), pp. 2436–2443. doi: 10.1039/c8ay00386f.
- Henkel, J., Woodruff, M. A., Epari, D. R., Steck, R., Glatt, V., Dickinson, I. C., ... Hutmacher, D. W. (2013). Bone Regeneration Based on Tissue Engineering Conceptions — A 21st Century Perspective. *Bone Research*, 1(3), 216–248. <https://doi.org/10.4248/BR201303002>
- Herford, A. S., Stoffella, E., & Stanford, C. M. (2013). Bone Grafts and Bone Substitute Materials. Principles and Practice of Single Implant and Restorations. Elsevier Inc. <https://doi.org/10.1016/B978-1-4557-4476-3.00005-6>
- Hosseinzadeh, E., Davarpanah, M., Nemati, N. H., & Tavakoli, S. (2014). Fabrication of a Hard Tissue Replacement Using Natural Hydroxyapatite Derived from Bovine Bones by Thermal Decomposition Method. *International Journal of Organ Transplantation Medicine*, 5(1), 23–31. <https://doi.org/10.1097/GOX.0000000000000533>
- ISO 109953-5:2009, I. (2009). Biological Evaluation of Medical Devices. Part 5: Tests for In Vitro Toxicity. Geneva, Switzerland.
- Katagiri, W., Osugi, M., Kawai, T., & Hibi, H. (2016). First-in-human study and clinical case reports of the alveolar bone regeneration with the secretome from human mesenchymal stem cells. *Head and Face Medicine*, 12(1), 1–11. <https://doi.org/10.1186/s13005-016-0101-5>
- Katagiri, W., Osugi, M., Kawai, T., & Ueda, M. (2013). Novel Cell-Free Regeneration of Bone Using Stem Cell-Derived Growth Factors. *The International Journal of Oral & Maxillofacial Implants*, 28(4), 1009–1016. <https://doi.org/10.11607/jomi.3036>
- Katagiri, W., Watanabe, J., Toyama, N., Osugi, M., Sakaguchi, K., & Hibi, H. (2017). Clinical Study of Bone Regeneration by Conditioned Medium From Mesenchymal Stem Cells After Maxillary Sinus Floor Elevation. *Implant Dentistry*, 26(4), 607–612. <https://doi.org/10.1097/id.0000000000000618>

- Kattimani, V. S., Kondaka, S. and Lingamaneni, K. P. (2016) 'Hydroxyapatite—Past, Present, and Future in Bone Regeneration', *Bone and Tissue Regeneration Insights*, 7, p. BTRIS36138. doi: 10.4137/btri.s36138.
- Kayal, T. Al, Panetta, D., Canciani, B., Losi, P., Tripodi, M., Burchielli, S., ... Soldani, G. (2015). Evaluation of the effect of a gamma irradiated DBM-Pluronic F127 composite on bone regeneration in wistar rat. *PLoS ONE*, 10(4), 1–19. <https://doi.org/10.1371/journal.pone.0125110>
- Kementrian kesehatan RI. (2018). Hasil utama riskesdas 2018, 61. <https://doi.org/10.1371/journal.pone.0125110> Desember 2013
- Khoswanto, C. (2008). Citotoxicity test of 40, 50, 60% citric acid as dentin conditioner by using MTT assay on culture cell lines. *Dent. J*, 41, 103–106.
- Kokubo, T., Kushitani, H., Sakka, S., Kitsugi, T., & Yamamuro, T. (1990). Solutions able to reproduce in vivo surface-structure changes in bioactive glass-ceramic A-W3. *Journal of Biomedical Materials Research*, 24(6), 721–734. <https://doi.org/10.1002/jbm.820240607>
- Kramschuster, A. and Turng, L. S. (2013) 'Fabrication of Tissue Engineering Scaffolds', in *Handbook of Biopolymers and Biodegradable Plastics: Properties, Processing and Applications*. Elsevier Inc., pp. 427–446. doi: 10.1016/B978-1-4557-2834-3.00017-3.
- Kuboki, Y., Jin, Q. and Takita, H. (2001) 'Geometry of carriers controlling phenotypic expression in BMP-induced osteogenesis and chondrogenesis.', *The Journal of bone and joint surgery*. American volume, 83 A Suppl(Pt 2).
- Li, W. J. et al. (2002) 'Electrospun nanofibrous structure: A novel scaffold for tissue engineering', *Journal of Biomedical Materials Research*. *J Biomed Mater Res*, 60(4), pp. 613–621. doi: 10.1002/jbm.10167.
- Liang, X. et al. (2014) 'Paracrine mechanisms of mesenchymal stem cell-based therapy: Current status and perspectives', *Cell Transplantation*, 23(9), pp. 1045–1059. doi: 10.3727/096368913X667709.
- Mahyudin, F. (2010). Regenerasi pada Massive Bone Defect dengan Bovine Hydroxyapatite sebagai Scaffold Mesenchymal Stem Cell Penelitian Eksperimental pada Hewan Coba. Universitas Airlangga.
- Mahyudin, F. (2018) 'Penyembuhan Tulang', in *Graf Tulang & Material Pengganti Tulang, Karakteristik & Strategi Aplikasi Klinis*. Surabaya: Airlangga University Press.

- Mahyudin, F. (2018a). Graf tulang Autologus dan Sifat Biologi. In D. N. Utomo (Ed.), *Graf Tulang & Material Pengganti Tulang, Karakteristik & Strategi Aplikasi Klinis (Pertama)*. Surabaya: Airlangga University Press.
- Mahyudin, F. (2018b). Material Pengganti Tulang. In Dwikora Novembri Utomo (Ed.), *Graf Tulang & Material Pengganti Tulang, Karakteristik & Strategi Aplikasi Klinis*. Surabaya: Airlangga University Press.
- Mahyudin, F., Utomo, D. N., Suroto, H., Martanto, T. W., Edward, M., & Gaol, I. L. (2017). Comparative Effectiveness of Bone Grafting Using Xenograft Freeze-Dried Cortical Bovine, Allograft Freeze-Dried Cortical New Zealand White Rabbit, Xenograft Hydroxyapatite Bovine, and Xenograft Demineralized Bone Matrix Bovine in Bone Defect of Femoral Di. *International Journal of Biomaterials*, 2017, 1–9. <https://doi.org/10.1155/2017/7571523>
- Mancuso, P., Raman, S., Glynn, A., Barry, F., & Murphy, J. M. (2019). Mesenchymal Stem Cell Therapy for Osteoarthritis: The Critical Role of the Cell Secretome. *Frontiers in Bioengineering and Biotechnology*, 7. <https://doi.org/10.3389/fbioe.2019.00009>
- Marazzi, M., Marrubini, G., Catenacci, L., Sorrenti, M., Tripodo, G., Rossi, R., ... Di Silvestre, D. (2018). Pilot Production of Mesenchymal Stem/Stromal Freeze-Dried Secretome for Cell-Free Regenerative Nanomedicine: A Validated GMP-Compliant Process. *Cells*, 7(11), 190. <https://doi.org/10.3390/cells7110190>
- Mather, J. (2008). *Methods in Cell Biology Volume 86 Stem Cell Culture*. Academic Press.
- Meiliana, A., Dewi, N. M., & Wijaya, A. (2019). Mesenchymal stem cell secretome: Cell-free therapeutic strategy in regenerative medicine. *Indonesian Biomedical Journal*, 11(2), 113–124. <https://doi.org/10.18585/inabj.v11i2.839>
- Mondal, S., Mondal, B., Dey, A., & Mukhopadhyay, S. S. (2012). Studies on Processing and Characterization of Hydroxyapatite Biomaterials from Different Bio Wastes. *Journal of Minerals and Materials Characterization and Engineering*, 11(01), 55–67. <https://doi.org/10.4236/jmmce.2012.111005>
- Muntiha, M. (2001). Teknis Pembuatan Preparat Histopatologi dari Jaringan Hewan dengan Pewarnaan Hematoksilin dan Eosin (H&E). *Temu Teknis Fungsional Non Peneliti*.

- Muschler, G., Nakamoto, C., & Griffith, L. (2004). Engineering Principles of Clinical Cell-Based Tissue Engineering. *Journal of Bone and Joint Surgery*, 86(A(7)), 1542–1558.
- Nater, A., Yusof, N., & Hilmy, N. (2010). *Allograft Procurement, Processing and Transplantation. A Comprehensive Guide for Tissue Bank Operator*. New Jersey, London, Singapore: Wold Scientific.
- Onzi, G. R., Ledur, P. F., Hainzenreder, L. D., Bertoni, A. P. S., Silva, A. O., Lenz, G., & Wink, M. R. (2016). Analysis of the safety of mesenchymal stromal cells secretome for glioblastoma treatment. *Cytotherapy*, 18(7), 828–837. <https://doi.org/10.1016/j.jcyt.2016.03.299>
- Oryan, A., Monazzah, S., & Bigham-Sadegh, A. (2015). Bone injury and fracture healing biology, review. *Biomedical and Environmental Sciences : BES*, 28(1), 57–71. <https://doi.org/10.3967/bes2015.006>
- Paderni, S., Terzi, S., & Amendola, L. (2009). Major bone defect treatment with an osteoconductive bone substitute. *Musculoskeletal Surgery*, 93(2), 89–96. <https://doi.org/10.1127/0029-5035/2014/0154>
- Prasad, Lk., Chakravarthi, S., Sridhar, M., Kattimani, V., & Neelima Devi, Kn. (2015). Comparative evaluation of bovine derived hydroxyapatite and synthetic hydroxyapatite graft in bone regeneration of human maxillary cystic defects: A clinico-radiological study. *Indian Journal of Dental Research*, 25(5), 594. <https://doi.org/10.4103/0970-9290.147100>
- Purwati, Susilowati, H., & Karsari, D. (2016). *Instruksi Kerja Karakterisasi Stem Cell (MTT Assay)*. Surabaya, Indonesia.
- Reves, B. T. et al. (2009) ‘Lyophilization to improve drug delivery for chitosan-calcium phosphate bone scaffold construct: A preliminary investigation’, *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, 90 B(1), pp. 1–10. doi: 10.1002/jbm.b.31390.
- Reves, B. T. et al. (2012) ‘Preparation and Functional Assessment of Composite Chitosan-Nano-Hydroxyapatite Scaffolds for Bone Regeneration’, *Journal of Functional Biomaterials*, 3(1), pp. 114–130. doi: 10.3390/jfb3010114.
- Riss, T. L. et al. (2016) ‘Cell Viability Assays’, in *Assay Guidance Manual*, pp. 1–25. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/23805433>.
- RSDS, Bank Jaringan. (2018). *Data Distribusi Graf Tulang di RSUD Dr. Soetomo*. Surabaya.
- Saini, S. et al. (2018) ‘Microspheres As Controlled Drug Delivery System: an Updated Review’, *International Journal of Pharmaceutical Sciences and Research*, 9(5), p. 1760. doi: 10.13040/IJPSR.0975-8232.9(5).1760-68.

- Schemitsch, E. H. (2017). Size Matters: Defining Critical in Bone Defect Size! *Journal of Orthopaedic Trauma*, 31(10), S20–S22. <https://doi.org/10.1097/BOT.0000000000000978>
- Sezavar, M., Mesgarzadeh, V., Shafayifard, S., & Soleimanpour, M. R. (2015). Management of Bone Grafting Complications in Advanced Implant Surgery. *A Textbook of Advanced Oral and Maxillofacial Surgery Volume 2*. <https://doi.org/10.5772/59967>
- Sfeir, C., Ho, L., Doll, B., Azari, K., & Hollinger, J. (2005). Fracture Repair. In *Bone Regeneration and Repair Biology and Clinical Applications* (pp. 21–44). New Jersey: Humana Press Inc.
- Sitorus, M. (2009). *Spektroskopi Elusidasi Struktur Molekul Organik*. Yogyakarta: Graha Ilmu.
- Sjerobabin, N., Čolović, B., Petrović, M., Marković, D., Živković, S., & Jakanović, V. (2016). Cytotoxicity investigation of a new hydroxyapatite scaffold with improved structural design. *Srpski Arhiv Za Celokupno Lekarstvo*, 144(5–6), 280–287. <https://doi.org/10.2298/SARH1606280S>
- Skalnikova, H., Motlik, J., Gadher, S. J., & Kovarova, H. (2011). Mapping of the secretome of primary isolates of mammalian cells, stem cells and derived cell lines. *Proteomics*, 11(4), 691–708. <https://doi.org/10.1002/pmic.201000402>
- Smrke, D., Roman, P., Veselko, M., & Gubi, B. (2013). Treatment of Bone Defects — Allogenic Platelet Gel and Autologous Bone Technique. In *Regenerative Medicine and Tissue Engineering* (pp. 325–340). Intech Open. <https://doi.org/10.5772/55987>
- Solomin, L., & Slongo, T. (2016). Long Bone Defect Classification: What It Should Be? *Journal of Bone Reports & Recommendations*, 02(01), 1–2. <https://doi.org/10.4172/2469-6684.100016>
- Sujatno, A., Salam, R., Bandriyana, B., & Dimiyati, A. (2017). Studi Scanning Electron Microscopy (Sem) Untuk Karakterisasi Proses Oksidasi Paduan Zirkonium. *Jurnal Forum Nuklir*, 9(1), 44–50. Retrieved from <http://jurnal.batan.go.id/index.php/jfn/article/view/3563>
- ThermoScientific. (2013). *Introduction to Fourier Transform Infrared Spectroscopy*.
- Vishwakarma, G. (2017). Sample Size and Power Calculation, (May), 1–21. Retrieved from [https://www.researchgate.net/publication/319442443\\_Sample\\_Size\\_and\\_Power\\_Calculation](https://www.researchgate.net/publication/319442443_Sample_Size_and_Power_Calculation)



- Vizoso, F. J., Eiro, N., Cid, S., Schneider, J., & Perez-Fernandez, R. (2017). Mesenchymal stem cell secretome: Toward cell-free therapeutic strategies in regenerative medicine. *International Journal of Molecular Sciences*, 18(9). <https://doi.org/10.3390/ijms18091852>
- Wang, W. and Yeung, K. W. K. (2017) 'Bone grafts and biomaterials substitutes for bone defect repair: A review', *Bioactive Materials*. Elsevier Ltd, 2(4), pp. 224–247. doi: 10.1016/j.bioactmat.2017.05.007.
- Warastuti, Y., & Suryani, N. (2013). Karakteristik Degradasi dari Biomaterial Poli-(kaprolakton-kitosan-hidroksiapatit ) Iradiasi Dalam Larutan Simulated Body Fluid. *Jurnal Ilmiah Aplikasi Isotop Dan Radiasi*, 9(1), 11–22.
- Webster, T. J., & Ahn, E. S. (2007). Nanostructured biomaterials for tissue engineering bone. *Advances in Biochemical Engineering/Biotechnology*, 103, 275–308. Retrieved from <http://www.ncbi.nlm.nih.gov/pubmed/17195467>
- Westendorf, J. J., Lu, L., & Yaszemski, M. J. (2013). Bone Biology and Engineering. In *Orthopaedic Basic Science (Fourth Edi)*. American Academy of Orthopaedic Surgeons.
- Whitehouse, M., Warwick, D., & Blom, A. (2018). Principles of Fractures. In *Apley & Solomon's System of Orthopaedics and Trauma* (pp. 714–715). Taylor & Francis.
- Yang, S. et al. (2001) 'The design of scaffolds for use in tissue engineering. Part I. Traditional factors', *Tissue Engineering*, 7(6), pp. 679–689. doi: 10.1089/107632701753337645.
- Yi, H. et al. (2016) 'Recent advances in nano scaffolds for bone repair', *Bone Research*. Nature Publishing Group, 4(June). doi: 10.1038/boneres.2016.50.
- Zhao, Y., Yang, S., & Wang, G. (2018). Study of trabecular bone fracture healing in a rabbit model. *Int J Clin Exp Med*, 11(8), 7651–7665. Retrieved from [www.ijcem.com/](http://www.ijcem.com/)