

DAFTAR PUSTAKA

- Benbow, J.J., dan Bridgewater, 1993, *Paste flow and extrusion*, Oxford series on advance manufacturing, Oxford press, Oxford
- Billote, W.G., 2003, *Ceramics Biomaterial in The Biomedical Engineering Handbook- 2nd Edition*, CRC Press, Washington D.C
- Daftar jumlah kecelakaan pada tahun 2009-2013 di Indonesia. Sumber BPS, diakses 12 juni 2014
http://www.bps.go.id/tab_sub/view.php?tabel=1&id_subyek=17¬ab=14
- Davis, H.E. dan Leach J.K., 2008, Hybrid and Composite Biomaterials in Tissue Engineering, *Multifunctional Biomaterials and Devices*, pp: 1-26.
- Groeneveld, E.H., Van Der Berg, J.P., Holzmann, P., Ten Bruggekate, C.M., 1999, Mineralization processes in demineralized bone matrix graft in human maxillary sinus floor elevations, *Journal Biomedical Material Resources*, Vol.48, pp393-402
- Herliansyah, M.K., Suyitno, Dewo, P., Shukor, M.H.A, & Ektessabi, A.I., 2011, Development And Characterization Of Bovine Hydroxyapatite Porous Bone Graft For Biomedical Applications, *Advanced Materials Research*, Vol. 277, pp. 59-65.
- Holy, C.E., Shoichet, M.S., & Davies, J.E., 2000, Engineering Three-Dimensional Bone Tissue in Vitro using Biodegradable Scaffolds: Investigating Initial Cell-Seeding Density and Culture Period, *Journal of Biomaterial Research*, Vol. 51, pp. 376-382
- Huang, T., Mason, M.S., Zhao, X., Hilmas, G.E., dan Leu, M.G., 2009, Aqueous- based freeze-form extrusion fabrication of alumina components, *Journal Rapid Prototyping*, Vol.15, pp.88-95.,
- Hutmacher, D.W., 2000, Scaffold in tissue engineering bone and cartilage, *J.Biomaterial*, Vol.21, pp.2529-2543.

- Kroese-Deutman, H.C., Spauwen, P.H.M., dan Jansen, A.J., 2005, Influence of RGD-loaded titanium implants on bone formation in vivo, *Journal of Materials Processing Technology*, Vol. 209, pp.4654–4661.
- Langer, R.P., dan Vacanti, J., 1993, Article of Tissue Engineering, *Journal Science*, Vol.260, pp.920-926.
- Lu, X., Lee, Y., Yang, S., Hao, Y., Evans, J.R.G., Parini, C.G., 2008, Fine lattice structures fabricated by extrusion freeforming: Process variables, *Journal of Materials Processing Technology*, Vol.209, pp.4654–4661.
- Kaplan, D., & Karageorgiou, V., 2005, Porosity of 3D Biomaterial Scaffolds and Osteogenesis, *Biomaterial journal*, Vol. 26, pp. 5474-5491.
- Khoda, A.K.M.B., & Koc, B., 2013, Functionally Heterogeneous Porous Scaffold Design for Tissue Engineering, *CAD journal*, Vol. 45, pp. 1276-1293
- Kusrini, E., & Sontang, M., 2012, Characterization of X-Ray Diffraction and Electron Spin Resonance: Effect of Sintering Time and Temperature on Bovine Hydroxiapatite, *RAD Physical and Chem*, Vol. 81, pp. 118-125
- Malone, E., Rasa, K., Cohen, D.L., Issacson, T., Lashley, H., Lipson, H., 2004, Freeform fabrication of 3D air batteries and functional electro mechanical assemblies, *Rapid prototyping journal*, Vol. 10, pp. 58-69.
- Mason, M.S., Huang, T., Landers, R.G., Leu, M.C., dan Hilmas, G.E., 2007, Aqueous-based extrusion fabrication of ceramics on demand, pp. 124-134. Diakses 12 juni 2014. <http://sffsymposium.engr.utexas.edu/Manuscripts/2007/2007>
- Mason, M.S., Huang, T., Landers, R.G., Leu, M.C., dan Hilmas, G.E., 2009, Aqueous-based extrusion of high solids loading ceramic pastes: Process modeling and control, *Journal of Materials Processing Technology*. Vol.209, pp.2946–2957
- Montgomery, D.C., 2001, *Design and analysis of experiments*, John Willey & Sons, Inc, New York
- O'Brien, F.J., 2011, Biomaterials & Scaffolds for Tissue Engineering, *Materials Today*, Vol.14, No.3, pp.88-95.

- Prabakaran, K., dan Rajeswari, S, 2006, Development of hydroxyapatite from natural fishbone through heat treatment, *Trends biometer*, Vol. 20, pp.20-23.
- Ross, P.J., 1996. *Taguchi Techniques for Quality Engineering 2nd edition*. McGraw-Hill Book Company, New York.
- Salgado, A.J., Coutinho, O.P., Reis, R.L., 2004, Bone tissue engineering: state of the art and future trends, *Macromolecular bioscience*, Vol.4, pp.743-765.
- Sasikumar, S., dan Vijayaraghavan, 2006, Low temperature synthesis of nanocrystalline hydroxyapatite from egg shells by combustion method, *Trends biomater*, Vol. 19, pp. 70-73
- Septyawan, D., 2014, Pembuatan dan Karakteristik Macroporous Hydroxipatite Bioceramics dengan Struktur Tidak Beratur dengan Foaming Method. Skripsi. Teknik Mesin. Universitas Gadjah Mada.
- Sugiyono, 2009, *Metodologi Penelitian Pendidikan, Pendekatan Kuantitatif, Kualitatif, dan R&D*, Alfabeta, Bandung.
- Taguchi, G., 1993, *Taguchi on robust technology development: bringing quality engineering upstream*, Asme Press, New York.
- Utami, A.D., 2014. Pembuatan Dan Karakterisasi Macroporous Hydroxyapatite Bioceramics Dengan Struktur Beraturan Menggunakan Manually Extrusion Deposition Method, Skripsi, Program Studi Teknik Industri, Universitas Gadjah Mada, Yogyakarta.
- Vallet-Regi, M., 2001, Ceramics for Medical Applications, *Journal of Chemical Society*, vol.2, pp.97-108
- Wahl, D.A., dan Czernuzka, J.T., 2006 Collagen hydroxyapatite composites for hard tissue repair, *European cells an materials*, Vol. 11, pp 43-56.
- Widyawati, R., 2013. Perbandingan Hasil Optimasi Komposisi Material Filamen dengan Metode Taguchi, Skripsi, Program Studi Teknik Industri, Universitas Gadjah Mada, Yogyakarta.
- William, D.F., 1987, *Definition of Biomaterials*, Elsevier, New York

- Xu, H.H.K., Quin, J.B., Takagi, S., Chow, L.S., 2002, Processing and properties of strong and non rigid calcium phosphate cement, *J Dent Res* 81 (3), pp. 219-224.
- Zhang, F.L., Zhu, M., dan Wang, C. Y., 2008, Parameters optimization in the planetary ball milling of nanostructured tungsten carbide/cobalt powder, *International Journal of Refractory Metals & Hard Materials*, Vol 26, pp.329-33