

## DAFTAR PUSTAKA

- Abdurrahim T., & Sopyan, I. (2008). Recent progress on the development of porous bioactive calcium phosphate for biomedical applications. *Recent Patents on Biomedical Engineering*, 1, 213-229.
- Aguilar, J.M., Cordobes, F., Jerez, A., & Guerrero, A. (2007). Influence of high pressure processing on the linier viscoelastic properties of egg yolk dispersions. *Rheologica Acta*, 46, 731-740.
- Bieniek, J., & Swiecki, Z. (1991). Porous and Porous-Compact ceramics in Orthopedics, *Clinical Orthopedics and Related Research*, 272, 88-94.
- Bose, S., Darsell, J., Hosick, H.L, Yang, L., Sarkar, D.K., & Bandyopadhyay, A. (2002). Processing and characterization of porous alumina scaffolds. *Journal of Materials Science: Materials in Medicine*, 13, 23-28.
- Costa, H.S., Mansur, A.A.P., Stancioli, E.F.B., Pereira, M.M., & Mansur, H.S. (2008). Morphological, mechanical, and biocompatibility characterization of macroporous alumina scaffolds coated with calcium phosphate/PVA. *Journal of Materials Science*, 43, 510-524.
- Dhara, S., & Bhargava, P. (2003). A simple direct casting route to ceramic foams, *Journal of the American Ceramic Society*, 86(10), 1645-1650.
- Fadli A. & Sopyan I. (2009) Preparation of porous alumina for biomedical applications through protein foaming-consolidation method, *Materials Research Innovations*, Vol. 13 [3], 327-329.
- Fadli A., Sopyan I., Mel M., & Ahmad A. (2011), Porous alumina through protein foaming-consolidation method: effect of dispersant concentration on the physical properties, *Asia-Pacific Journal of Chemical Engineering*, DOI 10.1002/apj.526, In Press.
- Fadli A, & Sopyan I. (2011), Porous ceramics with controllable properties prepared by protein foaming-consolidation method, *Journal of Porous Materials*, 18, 195-203.
- Fadli A, & Sopyan I. (2010), Porous alumina through protein foaming-consolidation method: effect of stirring time and drying temperature on the physical properties, *Advanced Materials Research*, Vol. 93-94, 397-400.
- Garrn, I., Reetz, C., Brandes, N., Kroh, L.W., & Schubert, H. (2004). Clot-forming: the use of proteins as binders for producing ceramic foams. *Journal of the European Ceramic Society*, 24, 579-587.
- Gremillard, L., Casadei, R., Saiz, E., & Tomsia, A.P. (2006). Elaboration of self-coating alumina-based porous ceramics. *Journal of Materials Science*, 41, 5200-5207.
- He, X., Zhou, X., & Su, B. (2009). 3D interconnective porous alumina ceramics via direct protein foaming. *Materials Letters*, 63, 830-832.
- Heimann, R.B. (2002). Materials Science of Crystalline Bioceramics: A review of Basic properties and Applications. *CMU journal*, 1(1), 23-46.
- Hench, L.L. (1998). Bioceramics. *Journal of the American Ceramic Society*, 81(7), 1705-1728.
- Jayaswal, G.P., Dange, S.P., & Khalikar, A.N. (2010). Bioceramic in Dental Implants: A review. *Journal of Indian Prosthodontic Society*, 10, 8-12.
- Jones, J.R., & Hench, L.L. (2003). Regeneration of trabecular bone using porous ceramics. *Current Opinion in Solid State and Materials Science*, 7, 301-307.
- Jun, Y., Kim, W., Kweon, O., & Hong, S. (2003). The fabrication and biochemical evaluation of alumina reinforced calcium phosphate porous implants. *Biomaterials*, 24, 3731-3739.

- Liu, J., & Miao, X. (2005). Porous alumina ceramics prepared by slurry infiltration of expanded polystyrene beads. *Journal of Materials Science*, 40, 6145-6150.
- Miao, X., Hu, Y., Liu, J., & Huang, X. (2007). Hydroxyapatite coating on porous zirconia. *Materials Science and Engineering C*, 27, 257-261.
- Ohgushi, H., & Caplan, A.I. (1999). Stem Cell Technology and Bioceramics: From Cell to Gene Engineering. *Journal of Biomedical Materials Research B*, 48, 913-927.
- Ruano R., Jaeger, R.G., & Jaeger, M.M.M. (2000). Effect of a ceramic and a non-ceramic hydroxyapatite on cell growth and procollagen synthesis of cultured human gingival fibroblasts. *Journal of Periodontol*, 71, 540-545.
- Sopyan I., & Fadli, A. (2009). *Novel method to produce porous ceramics*. Malaysia Patent, PI No. 20091717.
- Sopyan I., & Fadli, A. (2012). Floating porous alumina from protein foaming-consolidation technique for cell culture application. *Ceramics International*, 38, 5287-5291.
- Takaoka, T., Okumura, M., Ohgushi, H., Inoue, K., Takakura, Y., & Tamai, S. (1996). Histological and biochemical evaluation of osteogenic response in porous hydroxyapatite coated alumina ceramics. *Biomaterials*, 17, 1499-1505.
- Yang, Y., Kang., Sen, M., & Park, S. (2011). Bioceramics in tissue engineering. In J.A. Burdick and R.L. Mauck (Eds.), *Biomaterials for tissue engineering applications* (pp. 179-207). Wienhem, Germany: Springer.