

DAFTAR PUSTAKA

- Audy, J. and Audy, K., 2008, Analysis of bell materials: Tin bronzes, *China Foundry*, 5(3), pp. 199–204.
- Bartocha, D. and Baron, C., 2016, Influence of tin bronze melting and pouring parameters on its properties and bells, *Archives of Foundry Engineering*, 16(4), pp. 17–22.
- Caliari, D., Timelli, G., Bonollo, F., Amalberto, P. and Giordano, P., 2015, Fluidity of aluminium foundry alloys: Development of a testing procedure, *Metallurgia Italiana*, 107(6), pp. 11–18.
- Campbell, J. and Harding, R. A., 1994, The fluidity of molten metals 3205 the fluidity of molten metals, TALAT Lecture 3205, University of Birmingham, pp. 1–19.
- Chua, C. M. C. C. K. and Feng, C. W. L. C., 2005, Rapid prototyping and tooling techniques: a review of applications for rapid, *International Journal of Advanced Manufacturing Technology*, 25, pp. 308–320.
- Copper Development Association, 1994, Copper casting alloys, 260 Madison Avenue, New York, NY 10016, <https://www.copper.org/>
- Debut, V., Carvalho, M., Figueiredo, E., Antunes, J. and Silva, R., 2016, The sound of bronze: Virtual resurrection of a broken medieval bell, *Journal of Cultural Heritage*, 19, pp. 544–554.
- Fletcher, N., 2012, Materials and musical instruments, *Acoustics Australia*, 40(2), pp. 130–133.
- Goodway, M., 1992, Metals of music, *Materials Characterization*, 29, pp. 177–184.
- Hanson, D., and Pell-Walpole, W.T., 1951, Chill-Cast Tin Bronzes, first published, Edward Arnold & Co, London.
- Hou, J., Guo, H., Zhan, C., Tian, X. and Chen, X., 2006, 'Viscous and magnetic properties of liquid Cu – 25 wt.% Sn alloy', *Materials Letters*, 60, pp. 2038–2041.
- Jixin, H. O. U., Jianjun, S. U. N., Chengwei, Z., Xuelei, T. and Xichen, C., 2007, The structural change of Cu-Sn melt, *Physics, Mechanics & Astronomy*, 50(4), pp. 414–420.
- Kim, E., Cho, G., Oh, Y. and Junga, Y., 2016, Development of a high-temperature mold process for sand casting with a thin wall and complex shape, *Thin Solid Films*, 620, pp. 70–75.
- Kohler, F., Germond, L., Wagnière, J. D. and Rappaz, M., 2009, Peritectic solidification of Cu-Sn alloys: Microstructural competition at low speed, *Acta Materialia*, 57(1), pp. 56–68.
- Lee, K., Blackburn, S. and Welch, S. T., 2017, A more representative mechanical testing of green state investment casting shell, *Ceramics International*, 43(1), pp. 268–274.
- Li, D., Franke, P., Fürtauer, S., Cupid, D. and Flandorfer, H., 2013, The Cu-Sn phase diagram part II: New thermodynamic assessment, *Intermetallics*, 34, pp. 148–158.
- Mudry, S., Korolyshyn, A., Vus, V. and Yakymovych, A., 2013, Viscosity and structure of liquid Cu – In alloys, *Journal of Molecular Liquids*, 179, pp. 94–97.
- Nadolski, M. J. and Konopka, Z., 2007, The investigation of properties of investment casting moulds reinforced with ceramic fibre, *Archives of Foundry Engineering*, 7(4), pp. 127–130.
- Pattnaik, S., Karunakar, D. B. and Jha, P. K., 2012, Developments in investment casting process - A review', *Journal of Materials Processing Technology*, 212(11), pp. 2332–2348.
- Ploszajki, A., 2014, Bronze, *Material World*, 22(8), pp. 64–66.

- Prasad, L. C. and Mikula, A.,2001,Effect of temperature on the surface properties of Cu – Sn liquid alloys,*Journal of Alloys and Compounds*, 314, pp. 193–197.
- Prasetyo, P.,2012,Seni gamelan jawa sebagai representasi dari tradisi kehidupan manusia jawa: suatu telaah dari pemikiran collingwood, Skripsi, Fakultas Ilmu Pengetahuan Budaya, Universitas Indonesia, Jakarta.
- Priambadi, I. G. N., Sugita, I. K. G., K, C. I. P. K. and Santhiarsa, I. G. N. N.,2009,Pengaruh proses forging terhadap sifat ketangguhan retak dan kekerasan material perunggu sebagai bahan gamelan,*Jurnal Ilmiah Teknik Mesin CakraM*, 3(2), pp. 93-97.
- Qudong, W., Yizhen, L., Xiaoqin, Z., Wenjiang, D., Yanping, Z., Qinghua, L. and Jie, L.,1999,Study on the fluidity of AZ91+xRE magnesium alloy, *Materials Science and Engineering: A*, 271(1–2), pp. 109–115.
- Raza, M.,2015,Process development for investment casting of thin-walled components, ISBN 978-91-7485-204-2, ISSN 1651-9256, *Malardalen University Press*, Sweden.
- Rizki, R., and Wibisono, T., 2012, Mengenal seni dan budaya Indonesia, Penebar Swadaya Grup, Jakarta.
- Rzychoń, T., Kielbus, A. and Serba, M.,2010,The influence of pouring temperature on the microstructure and fluidity of elektron 21 and WE54 magnesium alloys, *Archives of Metallurgy and Materials*, 55(1), pp. 7–13.
- Siavashi, K.,2011,The effect of casting parameters on the fluidity and porosity of aluminium alloys in the lost foam casting process, Thesis, University of Birmingham, United Kingdom.
- Sik, J., Woo, C. and June, K.,2009, Implication of peritectic composition in historical high-tin bronze metallurgy, *Materials Characterization*, 60(11), pp. 1268–1275.
- Singh, J., Singh, R. and Singh, H., 2017,Dimensional accuracy and surface finish of biomedical implant fabricated as rapid investment casting for small to medium quantity production, *Journal of Manufacturing Processes*, 25, pp. 201–211.
- Sugita, I. K. G., Astawa, K. and Priambadi, I. G. N.,2015,Pengaruh variasi laju solidifikasi terhadap struktur mikro, sifat mekanis dan akustik perunggu, *Proceeding SNTTM XIV*, Banjarmasin.
- Sugita, I.K.G., Soekrisno, R. and Miasa, I. M., 2011,Mechanical and damping properties of silicon bronze alloys for music applications, *International Journal of Engineering & Technology*, 11(6), pp. 81–85.
- Sulaiman, S. and Hamouda, A. M. S., 2001,Modeling of the thermal history of the sand casting process, *Journal of Materials Processing Technology*,113, pp. 245–250.
- Sulaiman, S. and Hamouda, A. M. S.,2004,Modelling and experimental investigation of solidification process in sand casting, *Journal of Materials Processing Technology*,156, pp. 1723–1726.
- Sumarsam, 2002,Introduction to Javanese gamelan notes for music 451 (Javanese gamelan-beginners), Wesleyan University,Middletown.
- Sutton, R. A.,2007, Gamelan: The traditional sounds of Indonesia (review)', *Asian Music*, 38(1), pp. 142–144.
- Suyitno and Sutyoko., 2012,Effect of pouring temperature and casting thickness on fluidity, porosity and surface roughness in lost foam casting of gray cast iron,*Procedia Engineering*, 50, pp.88-94.
- Shmakova, K., Chikova, O. and Tsepelev, V.,2016,Viscosity of liquid Cu – Sn alloys viscosity of liquid Cu – Sn alloys, *Physics and Chemistry of Liquids*. ISSN: 0031-9104, pp. 1–8.

- Tan, M., Xiufang, B., Xianying, X., Yanning, Z., Jing, G. and Baoan, S.,2007^a,Correlation between viscosity of molten Cu-Sn alloys and phase diagram, *Physica B: Condensed Matter*, 387(1–2), pp. 1–5.
- Wibowo, A., 2007,Pengaruh tegangan sisa terhadap frekuensi nada dasar perunggu, *Seminar Nasional Teknologi*, ISSN : 1978 – 9777,pp.B1–B5.
- Yun, C., Jixiang, L., Juan, D., Dingfang, C. and Yun, C., 2014,Study on fluidity of squeeze cast AZ91D magnesium alloy with different wall thicknesses, *Research & Development*, 11(2),pp. 115–118.
- Zeynep TAŞLIÇUKUR, Gözde S . ALTUĞ , Şeyda POLAT, Ş . Hakan ATAPEK , Enbiya., 2012,A microstructural study on CuSn10 bronze produced by sand and investment casting techniques, 21st International Conference on Metallurgy and Materials, Czech Republic.
- Zhao, Y., Hou, X. and Bian, X.,2008,Phase transition in liquid Cu 60 Sn 40 alloy, *Materials Letters*, 62, pp. 3542–3544.