

DAFTAR PUSTAKA

Al-Shehri, Sharifa, 2002, Relative fracture toughness and hardness of dental ceramics, *Saudi Dental Journal, Riyadh*.

Aristotelis, Martinis, 2011, Fracture toughness of yttrium stabilized zirconia sintered in conventional and microwave ovens, *Thesis and Disertation, Iowa*.

Bansal, P., Zhu Dongming, 2003, Thermal Conductivity of Alumina-Toughened Zirconia Composites, *Glenn Research Centre, Ohio*.

Barsoum, W 1997, *Fundamental of ceramics*, CRC Press, USA.

Börger, A, Supancic, P & Danzer, R 2001, The ball on three balls test for strength testing of brittle discs: stress distribution in the disc, *Journal of the European Ceramic Society, Austria*.

Börger, A, Supancic, P & Danzer, R 2003, The ball on three balls test for strength testing of brittle discs: Part II: Analysis of possible errors in the strength determination. *Journal of the European Ceramic Society, Austria*.

Brunk, F 2001, *Silica Refractories*, CN Refractories, Germany.

Callister William, 2007, *Materials Science and Engineering: An Introduction*, 7th edn, John Wiley and Sons Inc., Canada.

Chawla, K 1998, *Ceramic Matrix Composites*, 2nd edn, Klowed Academic, New York.

Danzer, Robert., Harrer, Walter, 2006, The ball on three ball test: strength and failure analysis of different materials, *Journal of the European Ceramic Society, Austria*.

Darwanto, 2008, Studi sifat fisis, mekanis, dan konduktivitas termal pada keramik kaolin berpori yang dibuat dengan PFA (Pore-Forming Agent) corn starch, *Skripsi S1 Jurusan Teknik Mesin dan Industri UGM, Yogyakarta*.

De Jonghe, C, Rahaman N 2003, *Sintering of Ceramics*, Handbook of Advanced Ceramics, Berkeley.

Dhanajaya, Y 2011, Pengaruh thermal shock terhadap thermal conductivity pada keramik zirconia, *Skripsi S1 Jurusan Teknik Mesin dan Industri UGM, Yogyakarta*.

Dharmasaputra, Y 2015, Studi kekerasan, densitas, dan kekuatan impact pada keramik komposit silica zirconia, *Skripsi S1 Jurusan Teknik Mesin dan Industri UGM, Yogyakarta*

Dutta, Padip, 2004, *Heat and Mass Transfer*, IISC, Bangalore.

Fahrenholtz, G, William, 2004, *Ceramics Sintering*, ASME, Missouri.

Fett, T, Rizzi, G, Ernst, E 2007, A 3-balls-on-3-balls strength test for ceramics disks, *Journal of the European Ceramic Society, Austria*.

Harrer, Walter., Danzer, Robert, 2007, *Influence of The Surface Quality of Ceramics Specimens on The Results of B3B-Tests*, Montanuniversität Leoben, Austria.

Hoganas, 2009, Sintering, *Journal of the European Ceramic Society*, Ireland.

Holman, JP 1995, *Perpindahan Kalor*, Edisi Enam, Erlangga, Jakarta.

Hopkins, P, Kaehr Bryan, 2011, *Measuring the Thermal Conductivity of Porous Transparent SiO Films With Time Domain Thermoreflectance*, ASME, New Mexico.

Hoosain, Shaik, 2010, The Sintering and Optimization of Stabilized Zirconia, University of Witwatersrand, Johannesburg.

<http://www.nrl.navy.mil/mstd/branches/6390>, diakses pada tanggal 22 Oktober 2015 pukul 01.27.

<http://matse1.matse.illinois.edu/ceramics/prin.html>, diakses pada tanggal 25 Oktober 2015 pukul 20.00.

Incropera, F 1981, *Fundamentals of heat and mass transfer*, Wiley, New York.

Ismunandar (Kimia ITB). Keramik kimi@net – <http://www.kimianet.lipi.go.id>. Di akses pada tanggal 7 Desember 2015 pukul 21.00.

Kadhim, Mohammed Jasim, 2011, Simulation of Cold Die Compaction Alumina Powder, *STM Journals, Iraq*.

Kingery, WD, Bowen, HK, Uhlmann, DR 1976, *Introduction to Ceramics*, John Wiley and Sons Inc., Canada.

Kumar, Abhishek, 2013, *TP3 - Ceramics: Sintering and Microstructure*, J. Phys. Chem. C.

Liendhard, H 2008, *A Heat Transfer Textbook: 3rd Edition*, Phlogiston Press, Massachusetts.

Martines Izidoro, 1995, Heat conduction, *Latin America Heat Transfer Journals, Mexico*.

Patapy, C, Gey, N 2012, Mechanical behavior characterization of high zirconia fused-cast refractories at high temperature: influence of the cooling stage on microstructural changes, *Journal of the European Ceramic Society, France*.

Purwatomoko, R 2009, Recovery Silika Amorf dari Lumpur Panas Bumi PLTP Dieng, *Thesis S2 Universitas Gadjah Mada*.

Ritchie, O 2003, Failure of Silicon: Crack Formation and Propagation, *13th Workshop on Crystalline Solar Cell Materials and Processes, Colorado*.

Rasche, S 2010. Determination of mechanical properties of brittle materials by using the small punch test and the ball on three balls test. *18th European Conference on Fracture: Fracture of Materials and Structures from Micro to Macro Scale*, Leoben.

Riandiani,U 2014, *Preparasi dan karakterisasi keramik silika dari daun bambu hasil leaching asam sitrat dan suhu pembakaran 800-1000°C*. Skripsi S1 Fakultas MIPA, Universitas Lampung.

Riedel, Ralf, 2012, *Ceramics Science and Technology: Volume3: Synthesis and Processing, First Edition*, Wiley-VCH Verlag GmbH & Co. KGaA, New York.

Roy, Kundu Tapatee, 2015, Assessing hardness and fracture toughness in sintered zinc oxide ceramics through indentation technique, *Science Direct, India*.

Saridag, S 2013, Basic Properties and Types of Zirconia: An overview, *World J Stomatol, Turkey*.

Schell, KG, Fett, T, Rizki G, Esfahanian, M, Oberacker, R, Hoffmann, J 2009, Stable and unstable fracture of thin brittle disks under a ball-on-3-balls loading, *Engineering Fracture Mechanics, UK*.

Smallman, RE, Bishop RJ 1999, *Metalurgi Fisik Modern dan Rekayasa Material*, Erlangga, Jakarta

Sun, J 2014, Thermal properties of highly porous fibrous ceramics, *SCI Symposium Series, Beijing*.

Surdia, T & Saito, S 1992, *Pengetahuan Bahan Teknik*, PT. Pradnya Paramita, Jakarta

Suzuki, M, Sodeoka, S, Inoue, T 2005, Structure control of plasma sprayed zircon coating by substrate preheating and post heat treatment, *Material Transaction Japan Thermal Spraying Society, Japan*.

Svinka, V, Bula, G 2008, Zirconia containing refractory foam ceramics, *European Social Fond, Latvia*.

Toko Fine Ceramics, 2006, *Zirconia Technical Data*, UK.

Ugheoke, Mamat, dan Ariwahjoedi 2010, A Brief Survey of the Literature on Silica Refractory Research and Development: the Case for Nanostructured Silica Obtained from Rice Hush Ash (RHA), *Trans Tech Publication, Switzerland*.

Widodo, Doni, Rusiyanto, 2010, Densitas dan Kekuatan Bending pada Material Komposit Fly-Ash MgO, *Fakultas Teknik, Universitas Negeri Semarang*.

Yanagida, H, Koumoto, K, Miyayama, M 1996, *The Chemistry of Ceramic*, John Wiley & Sons, Maruzen Co., Ltd, Tokyo.

Zhang, C, Xiumin, Y 2015, Effect of AlN addition on the thermal conductivity of pressureless sintered SiC ceramics, *Science Direct Elsevier Ltd and Techna Group, Beijing*.