



DAFTAR PUSTAKA

- ASM Handbook, Volume 3. 1992. "Alloy Phase Diagrams". 10 edition, *The Minerals Information Society*.
- ASM Handbook, Volume 9. 2004. " Metallography and Microstructures". *The Materials Information Company*.
- Amanta, H., 2006, "Ilmu Bahan", Edisi 2, Bumi Aksara, Jakarta.
- Amstead, G., 2002, "Teknologi Mekanik", edisi 7, Erlangga, Jakarta.
- Boyuk, U., 2008, "Variation Of Microindentation Hardness with Solidification and Microstructure Parameters in The Al Based Alloys", Journal Applied Surface Science, Vol. 255, pp. 3071–3078
- Chen, T., Li, W.X., Guo, Y.H., and Hao, Y., 2014, "Microstructure And Crystal Growth Direction Of Al–Cu Alloy", Transactions of Nonferrous Metals Society of China, Vol. 25, pp. 1399–1409
- Coan, P., 2007, "Microtomography Of The Columnar To Equiaxed Transition In Al-Ni And Al-Si Alloys", European Synchrotron Radiation Facility, Vol. 293, no. 9
- Fan, J., Li, X., Su, Y., Chen, R., Guo, J., and Fu, H., 2011, "Directional Solidification Of Ti–49 at.%Al Alloy", Journal Applied Physics A, Vol. 105, pp. 239–248
- Fleming, M.C., 1974, "Solidification Processing", Second Edition, Mc Graw-Hill Book Company, New York.
- Goulart, R., Crus, S.K., Spinelli, E.J., Ferreira, L.I., Cheung, N., and Garcia, A., 2009, "Cellular Growth During Transient Directional Solidification Of Hypoeutectic Al–Fe Alloys", Journal of Alloys and Compounds, Vol. 470, pp. 589–599
- Gunduz, M., Cadirli, E., 2002, "Directional Solidification Of Aluminium-Copper Alloys", Journal Material Science and Enginering, Vol. 327, pp. 167-185.
- Harding, J.MI. R.A. and Campbell, J., 2003, "Effects Of The Entrained Surface Film On The Reliability Of Castings". Metallurgical and Materials Transections A, Vol. 35A, pp. 2893-2901.



- Kaya, H., Cadirli, E., Gunduz, M., Ulgen, A., 2003, "Effect Of The Temperature Gradient, Growth Rate, And The Interflake Spacing On The Microhardness In The Directionally Solidified Al-Si Eutectic Alloy", Journal of material engineering and performance, Vol. 12, pp. 544-551.
- Kim, W., Han, W.S., Lee, J.U., and Woo, D.K., 2003, "Effects Of Solidification Structure On Fatigue Crack Growth In Rheocast and Thixocast Al-Si-Mg Alloys", Materials Letters, Vol. 58 , pp. 257– 261
- Liao, X., Song, C., Chen, W., Gong, Y, 2007, "Effects Of Electric Pulse On Stability Of Solid/Liquid Interface Of Al-4.5wt.%Cu Alloy During Directional Solidification", Materials Science and Engineering A", Vol. 466, pp. 56-60
- MacKenzie D.S., and Totten, G.E., 2006 "Analytical Caracterization of Aluminium, Steel, and SuperAlloy", Second Edition, Marcel Dekker, Basel.
- Moreau, R., Noel, M.N., and Zaidat, K., 2007, "Control of Melt Convection by A Travelling Magnetic Field During The Directional Solidification of Al-Ni Alloys", Comptes Rendus Mecanique, Vol. 335, pp. 330–335
- Oakwood, T.G., Goodrich, G.M., 2002, "Role of Gravity Forces on The Directional Solidification Of Gray Cast Iron", American Foundry Society, USA, pp. 1-17.
- Paliwal, M., and Jung, H.N., 2013, "The Evolution of The Growth Morphology In Mg-Al Alloys Depending On The Cooling Rate During Solidification", Acta Materialia, Vol. 61, pp. 4848–4860
- Pastene, P., Fornaro, O., and Medina, O.H., 2012, "Study of Directional Solidification of Zn-Al alloys", Procedia Materials Science, Vol. 1, pp. 87 – 94
- Robert, E., Reed-Hill, Reza Abbaschian, 1994, "Physical Metallurgy Principles", Third edition, PWS Publishing Company, Boston.
- Rodrigues, J., Mello, M.N., and Santos, D.G., 2008,"Analysis of Permeability of Interdendritic Channels During Solidification of Aluminum Magnesium Alloys", Journal of Achievements in Materials and Manufacturing Engineering, Vol. 31, pp. 47-52
- Samuel, H, F., 2004, "Characteristics of A-Dendritic and Eutectic Structures in Sr-Treated Al Si Casting Alloys", Journal of Materials Science, Vol. 39, pp. 215– 224



Sindokou, 1987, "Welding Metalurgy", Second Edition, John Wiley and Sons Inc, Canada.

Smith, L., Beely,P.R., 2001, "Controlled Directional Solidification Of Steel", Second Edition, Leeds University, Totenham.

Stefanescu, M., 2002, "Science And Engineering Of Casting Solidification". Second Edition, Kluwer Academic/Plenum Publishers, Boston.

Stone, I.C., Jones.H., 1998, "Improved Techniques For The Production Of Remelt Feedstock For Bridgman Directional Solidification Of Aluminium Alloys", Journal of Material Science Letters, Vol. 17, pp. 19-21.

Surdia T., dan Chijiwa K., 1976, 'Teknik Pengecoran Logam", Edisi 2, P.T. Pradnya Paramita, Jakarta.

Surdia T., dan Saito, S., 1992, "Pengetahuan Bahan Teknik", Edisi 5, P.T. Pradnya Paramitha, Jakarta.

Tawaancy,H.M., Abbas, N.M., and Hamid,U.A.,2004. "Practical Engineering Failure Analysis" Macel Dekker. New York.

Thomas, B.G., 1997, "Metals Processing", Chapter 14, J. Adams in press, New York.

Underwood, E., 1985, "Quantitative Metallography", ninth edition, ASM Handbook, USA.

Van Vlack, H., Lawrence, dan Djaprie, S.,1995," Ilmu dan Teknologi Bahan ", Edisi 5, Erlangga, Jakarta.

Vušanović, I., Sarler, B., and Krane, M.J., 2005, "Microsegregation During The Solidification of An Al-Mg-Si Alloy In The Presence of Back Diffusion And Macrosegregation", Materials Science and Engineering A, Vol. 413–414 , pp. 217–222

Zaidat, K., Khacroum, O.T., Vian, G., Garnier, C., Noel, M.N., Dupouy, D.M., and Moreou, R., 2004,"Directional Solidification of Refined Al-3.5wt% Ni Under Natural Convection And Under A Forced Flow Driven By A Travelling Magnetic Field", Journal of Crystal Growth, Vol. 275, pp. 1501–1505