

## REFERENSI

- [1] Zrnik, J., Dobatkin, S.V., Mamuzic, I. *Processing Of Metals By Severe Plastic Deformation (SPD) – Structure and Mechanical Properties Respond*, METALURGIJA 47 (2008) 3, 211-216
- [2] Zrnik, J. Drnek, Z., Dobatkin, S.V. and Stejskal, O. *Structure Evolution During Severe Warm Plastic Deformation of Carbon Steel*, Rev.Adv.Mater.Sci.10 (2005) 45-53.
- [3] Saptono, Rahmat. *Pengetahuan Bahan 2008*. Jakarta : FTUI.
- [4] Al Hasa, M. Husna. *Karakterisasi Sifat Mekanik Dan Mikrostruktur Paduan Intermetalik Alfeni Sebagai Bahan Kelongsong Bahan Bakar*, J. Tek. Bhn. Nukl. Vol. 3 No. 2 Juni 2007: 49–109
- [5] <http://adfanhardian.blogspot.com/2009/10/diagram-fasa.html>
- [6] Gunawarman, Prof., Malik, Adam., Jon Affi. *Pengembangan dan Penerapan Metode Penguatan Bahan untuk Perbaikan Kualitas Produk IKM Logam di Sumatera Barat*, 2009.
- [7] Saefudin. *Cacat Rapuh Panas Akibat Proses Rol Panas Dari Material Al paduan Cu Mg*. Seminar Material Metalurgi 2005.
- [8] [http://steelindonesia.com/article/02-heat\\_treatment.htm](http://steelindonesia.com/article/02-heat_treatment.htm)
- [9] Ariati , M., Sulistio, T.W., A. Manaf, Sutopo, dan Siradj, E.S., *Persamaan Empiris Pertumbuhan Butir Austenit Baja HSLA-0,019% Nb pada Proses Pendinginan non-Isotermal*.
- [10] Sastranegara, Azhar. *Mengenal Uji Tarik dan Sifat-sifat Mekanik Logam*.
- [11] Suriadi, I.K dan Suarsana, Ika. *Prediksi laju korosi dengan perubahan serajat deformasi plastis dan media pengkorosi pada material baja karbon*. Jurnal ilmiah teknik mesin CAKRAM Nol 1 No.1, Dec 2007.
- [12] Hadi, Nurul. *Pengaruh Ukuran Butir Dan Pemberian Tegangan Terhadap Sifat Mekanik Baja Karbon Rendah Akibat Hydrogen Embrittlement*, Skripsi ITB, Bandung : 2008.
- [13] ASTM E112-1996, *Standard Test Methods For Determining Average Grain Size*

- [14] Alpamy, Nandyo. Analisa Ukuran Butir Ferrite Dan Laju Korosi Baja Hsla 0.029 %Nb Setelah Canai Panas, skripsi FTUI, Depok : 2008.
- [15] <http://cepiar.wordpress.com/tag/material/>
- [16] Siddiqui, Rafiq A., Wahab, Sabah A., Pervez, Tasneem and Qamar, Sayyad Z., Hydrogen Embrittlement In Low Carbon Steel, Archives of Materials Science, Vol. 28, No. 1-4, 2007.
- [17] Vladimir B. Ginzburg, Steel-rolling technology: Theory and Practice
- [18] Zrnik J, Drnek J, Novy Z, Dobatkin S.V, and Stejskal O, *Structure Evolution During Severe Warm Plastic Deformation Of Carbon Steel*, Structure evolution during severe warm.
- [19] Sinaga, Ramli. *Efek Variasi Temperatur Terhadap Perubahan Sifat Mekanik, Struktur Mikro, Pada Lembaran Pelat Baja Karbon Rendah Hasil Reduksi Dingin.*
- [20] Panggabean, Ronald. Studi Tentang Pengaruh Proses Anil Terhadap Sifat Mekanik, Parameter Mampu Bentuk Dan Tekstur Baja Karbon Rendah Hasil Canai Dingin, Thesis UI, Depok : 1995.
- [21] Amrin, Astuti and Bakar, Yusri Abu, *A Study of Hydrogen Embrittlement (HE) on Tempered Carbon Steel*, Jurnal Mekanikal, Jilid 1, 1996
- [22] ASTM G1-03, Standard Practice for Preparing, Cleaning, and Evaluating Corrosion Test Specimen, ASTM International, 2003.
- [23] ASTM E3-2001, Standard Methods of Preparation Of Metallographic Specimens
- [24] ASTM E407-1999, Standard Practice for Micro Etching Metals And Alloys
- [25] ASTM E384-99 Standard Test Method for Microindentation Hardness of Materials
- [26] ASTM G5 - 94(2004) Standard Reference Test Method for Making Potentiostatic and Potentiodynamic Anodic Polarization Measurements
- [27] [http://www.tech.plym.ac.uk/sme/interactive\\_resources/tutorials/failureanalysis/Fractography/Fractography\\_Resource4.htm](http://www.tech.plym.ac.uk/sme/interactive_resources/tutorials/failureanalysis/Fractography/Fractography_Resource4.htm)
- [28] <http://repository.usu.ac.id/bitstream/123456789/16977/4/Chapter%20II.pdf>
- [29] <http://semboy.wordpress.com/korosi/>

- [30] Jones, Denny. Principles and Prevention of Corrosion. Macmillan 1992.
- [31] Chodijah, Siti. Efektifitas penggunaan pelapis epoksi terhadap ketahanan korosi pipa baja ASTM A53 di dalam tanah, Skripsi FTUI, Depok : 2008.
- [32] Thermomechanical Processing of microalloyed Austenite