

## DAFTAR PUSTAKA

- [1] Republika. 2013. “Indonesia Urutan Pertama Peningkatan Kecelakaan Lalu Lintas”.[www.republika.co.id/berita/nasional/umum/4/11/06/nem9nc-indonesia-urutan-pertama-peningkatan-kecelakaan-lalu-lintas](http://www.republika.co.id/berita/nasional/umum/4/11/06/nem9nc-indonesia-urutan-pertama-peningkatan-kecelakaan-lalu-lintas). Diakses 25 Februari 2016.
- [2] Merdeka.com. “Hingga September 2015, ada 23 ribu kasus kecelakaan di Indonesia”.<http://www.merdeka.com/otomotif/hingga-september-2015-ada-23-ribu-kasus-kecelakaan-di-indonesia.html>. Diakses 25 April 2016.
- [3] Majalah online Gatra. 2013. “Pada 2013, 23.385 Tewas Kecelakaan Lalu Lintas”.[www.gatra.com](http://www.gatra.com). Diakses 25 Februari 2016.
- [4] Majalah online Gatra. 2013. “Pada 2013 23.385 Tewas Kecelakaan Lalu Lintas”, [www.gatra.com](http://www.gatra.com). Diakses pada 27 Februari 2016.
- [5] Dr. Andrie Gunawan. 2012. “Osteoporosis” [www. Dokterandrie.blogspot.com](http://www.Dokterandrie.blogspot.com). Diakses pada tanggal 15 Februari 2016.
- [6] Kementrian Kesehatan Republik Indonesia. 2012. “Kemenkes RI Ajak Masyarakat Lakukan Pencegahan Osteoporosis”. [www.depkes .go. id/article/print/2083/kemenkes-ri- ajak masyarakat-lakukan – pencegahan – osteoporosis.html](http://www.depkes.go.id/article/print/2083/kemenkes-ri-ajak-masyarakat-lakukan-pencegahan-osteoporosis.html). Diakses pada tanggal 27 Februari 2016.
- [7] Abdel,H., Mohamed,G., Niinomi,M. 2013, “*Biocompatibility of Ti Alloys for Long-Term Implantation*”. Journal of The Mechanical Behavior of Biomedical Materials.
- [8] Niinomi,M. 2008. “*Biologically and Mechanically Biocompatible Titanium Alloys*”. Materials Transactions, Vol. 49, No. 10 pp. 2170 to 2178, Special Issue on Advanced Light Metals and Processing in Asia, The Japan Institute of Light Metals.
- [9] Navarro,M.A., Michiardi,O.C., dan Planell,J.A.. 2008. “*Review: Biomaterials in orthopaedics*”. J. R. Soc..

- [10] Xu Y.F., Yi D.Q., Liu, H.Q., Wua,X.Y, Wang, B., Yang, F.L. 2012. ” *Effects of cold deformation on microstructure, texture evolution and mechanical properties of Ti–Nb–Ta–Zr–Fe alloy for biomedical applications*”. School of Materials Science and Engineering, Central South University, Changsha, Hunan 410083, PR China.
- [11] Diputra, Y.V. 2007. ”Termomekanik Titanium”. Master Theses from JBPTITBPP.<http://digilib.itb.ac.id/gdl.php?mod=browse&op=read&id=jbptitbpp-gdl-vikoyuzadi-32032>. Central Library Institute Technology Bandung. Diakses 3 Maret 2016.
- [12] Spine-Health. ”*Orthopedic Implants Definition*”. <http://www.spine-health.com/glossary/orthopedic-implants>. Diakses 16 Maret 2016.
- [13] Navarro,M.A., Michiardi,O.C., dan Planell,J.A. 2008. “*Biomaterials in Orthopaedic*”.*Journal of the Royal Society Interface*”. Institute for Bioengineering of Catalonia (IBEC), CIBER-BBN, 08028 Barcelona, Spain.
- [14] Hip Implant.Wikimedia Commons.“File:Cdm hip implant 348.jpg”.[https://commons.wikimedia.org/wiki/File:Cdm\\_hip\\_implant\\_348.jpg](https://commons.wikimedia.org/wiki/File:Cdm_hip_implant_348.jpg).Diakses 15 Maret 2016.
- [15] Crosby,K.D. 2013. ”*Titanium -6Aluminum-4 Vanadium for Fuctionally Graded Orthopedic Implant Applications*”. Doctoral Dessertations.Paper 218.University Of Connecticut.
- [16] Donachie,M.J. “*Titanium: A Technical Guide*”. 2<sup>nd</sup>Edition, ISBN-13: 978-0871706867.2000.
- [17] Bharat. *Aerosapac Metals*.“*Titanium Grade-5 Round Bars*”. [www.bharataerospace.com/titanium.html](http://www.bharataerospace.com/titanium.html). Mumbai, Maharashtra. Diakses 10 Maret 2016.
- [18] Tecnichal Data Sheets. “*Titanium Alloy Ti6Al-4V*”.<http://cartech.ides.com/datasheet.aspx?i=101&E=269>. Diakses 15 Maret 2016.
- [19] Donachie,M.J. 2001. “*Heat Treating Titanium and Its Alloys*”. Heat Treating Progress.

- [20] Reda,R., Adel,A.N., Abdel,H. dan Hussein,A. 2013. “*Effect of Quenching Temperature on the Mechanical Properties of Cast Ti-6Al-4V Alloy*”. Journal of Metallurgical Engineering (ME), Volume 2 Issue 1.
- [21] Wanhil,B.S.R. 2012.”*Fatigue of Beta processed and Beta Heat-Treated Titanium Alloy: Chapter 2*”. Metallurgy And Microstructure. Springer.
- [22] Lutjering, G. and Williams ,J.C. 2003. “*Titanium*”. Springer-Verlag Berlin Heidelberg New York.
- [23] Pinke,P., Caplovic, L and Kovacs, T.”*The Influence Of Heat Treatment On The Microstructure Of The Casted Ti6al4v Titanium Alloy*”. Faculty of Materials Science and Technology Trnava, Slovak University of Technology Bratislava, Paulínska 16, 917 24 Trnava, Slovak Republic.
- [24] Motyka, M.J.S. 2009. “*The influence of initial plastic deformation on microstructure and hot plasticity of  $\alpha+\beta$  titanium alloys*”.
- [25] Calister, W. D. 2007. “*Material Science and Engineering: An Introduction*”. John Willey & Sons: Singapore.
- [26] PACE Technology. “*Metallographic etchants: The most Commonly Used Etchants*”. <http://www.metallographic.com>, 3601 E. 34th St. - Tucson, AZ 85713 USA.
- [27] ASTM 348. “*Standard Test Methods for Knoop and Vickers hardness materials*”, ASTM International, 100 Barr Harbour Dr., PO Box C700 West Conshohocken, PA. 19428-2959, United States.
- [28] Gunawarman. 2013. “*Konsep dan Teori Metalurgi Fisik*”. Andi: Yogyakarta.
- [29] Gupta, R.K., Kumar,V.A., Mathew,C., Rao,G.S.2016. “*Strain hardening of Titanium alloy Ti6Al4V sheets with prior heat treatment and cold working*”. Materials and Mechanical Entity, Vikram Sarabhai Space Centre, Trivandrum 695022, India.

- [30] Gil. F.J.,Ginebra,M.P.,Manero,J.M.,Planell,J.A. 2001. “*Formation of A-Widmansta’Tten Structure: Effects of Grain Size and Cooling Rate on The Widmansta’Tten Morphologies and on The Mechanical Properties in Ti6Al4V Alloy*”. *Journal of Alloys and Compounds* 329 (2001) 142–152.

