DAFTAR PUSTAKA

Bhandari, V.B (1994). *Design of Machine Elements*. New Delhi : Tata McGraw-Hill.

Dassi, F., Kamenski, L., Farrell, P., & Si, H. (2017). *Tetrahedral mesh improvement using moving mesh smoothing, lazy searching flips, and RBF surface reconstruction. Computer-Aided Design*.

Dhoshi, N. P., Ingole, N. K., & Gulhane, U. D. (2011). *Analysis and modification of leaf spring of tractor trailer using analytical and finite element method*. *International Journal of Modern Engineering Research*, *1*(2), 719–722.

Efunda. (2014). General Information on Cabon Steels. Online at http://www.efunda.com/materials/alloys/carbon_steels/carbon.cfm. Diakses pada tanggal 5 Desember 2017.

Hariandja, Binsar. (1996). Statika Dalam Analisis Struktur Berbentuk Rangka. Jakarta : Erlangga.

Hibbeler R.C. (2011). Mekanika Teknik Statika. Jakarta : PT. Prenhalindo

Hidayat, Taufiq.(2012). Analisa Kegagalan Pegas Daun (*Leaf Spring*) Pada Toyota KIjang Kapsul 7K-EI Tahun 2000. Jurnal Simetris. Volume 1. No. 1: 1 - 8.

Hou, J. P. (2007). *Evolution of the eye-end design of a composite leaf spring for heavy axle loads*, *78*, 351–358.

Katake, K. A., Mankar, S. H., Kale, S. A., Dabeer, P. S., & S. J., D. (2016). *Numerical and Experimental Stress Analysis of a Composite Leaf Spring*. *International Journal of Engineering and Technology*, *8*(5), 2098–2104.

Kong, Y. S., Abdullah, S., Omar, M. Z., & Haris, S. M. (2016). *Failure assessment of a leaf spring eye design under various load cases*. *Engineering Failure Analysis*, *63*, 146–159.

Kumar, J., Jadon, S., & Kumar, S. (2014). *Static Analysis And Modification Of Multi – Leaf*, *3*(5), 918–922.

Kumar, K., & Aggarwal, M. L. (2017). *Optimization of Various Design Parameters for EN45A Flat Leaf Spring*. *Materials Today: Proceedings*, *4*(2), 1829–1836.

Kuzt Myer. (2002). *Handbook of Materials Selection*. New York : John Wiley and sons.

Madane, V., Baviskar, A., Gaikwad, A., & Sane, S. (2013). *Design of Leaf Spring Rear Suspension for Rear Mounted Engine*. *SAE Technical Paper*, (2), 1–8.

Mamaeva, N. (2012). *Modelling o f Coated Tilted Fiber Bragg Gratings*, *4*(3).

Mhd. Daud Pinem. (2015). Mendesain Objek 2 & 3 Dimensi Dengan Catia. Bandung : Informatika.

Mott, R.L.2004. Machine Elements in Mechanical Design (4th Ed.). New Jersey : Pearson Education, Inc.

Moaveni, saeed (1999). *Finite Element Analysis Theory and Application with Ansy*. New Jersey : Prentice Hall.

Nadargi, Y. G., Gaikwad, D. R., & Sulakhe, U. D. (2012). *A Performance Evaluation of Leaf Spring Replacing With Composite Leaf Spring*, (2231), 65–68.

Narendra Yadav. (2014). *Optimization of Multi Leaf Spring by using Design of Experiments & Simulated Annealing Algorithm*. *Ijmer*, *4*(12), 40–44.

Narendra Yadav1. (2014). *Material Optimization of Leaf Spring of Tractor Trolley by FEA*. *Ijmer*, *4*(4), 40–44.

Nicolas, G., Fouquet, T., Geniaut, S., & Cuvilliez, S. (2016). *Improved adaptive mesh refinement for conformal hexahedral meshes. Advances in Engineering Software*, *102*, 14–28.

Nutalapati, S., & Pradesh, A. (2015). *Design and Analysis of Leaf Spring By Using Composite Material for*, *6*(12), 36–59.

Parkhe, Ravindra; and Sanjay, B. (2014). *Performance Analysis of Carbon Fiber with Epoxy Resin Based Composite Leaf*, *4*(2), 536–541.

Patnaik, M., Yadav, N., & Dewangan, R. (2012). *Study of a Parabolic Leaf Spring by Finite Element Method & Design of Experiments*, *2*(4), 1920–1922.

Rajendran, I., & Vijayarangan, S. (2001). *Optimal design of a composite leaf spring using genetic algorithms*, *79*, 1121–1129.

Raju, T. B., & Hithaish, D. (2014). I*nternational Journal of Research in Aeronautical and Mechanical Engineering*. *International Journal of Research in Aeronautical and Mechanical Engineering*, *2*(3), 224–231.

Rao, Singiresu S. 2005. *The Finite Element Method in Engineering. United Kingdom*: Elseiver Butterworth-Heinemann.

Shankar, G., & Vijayarangan, S. (2006). *Mono Composite Leaf Spring for Light Weight Vehicle–Design, End Joint Analysis and Testing*. *Materials Science*, *12*(3), 220–225.

Sharma, Y. (2015). *Comparison of Performance of Multi Leaf Springs of Automobile after Changing Its Cross Section*, *3*(6), 121–127.

Shokrieh, M. M., & Rezaei, D. (2003). *Analysis and optimization of a composite leaf spring. Composite Structures*, *60*(3), 317–325.

Sigley, J.E. dan L.D. Mitchel.(1984). Perencanaan Teknik Mesin Edisi 4 Jilid . Translated by Harahap G. Jakarta : Erlangga.

Subramanian, C., & Senthilvelan, S. (2011). *Joint performance of the glass fiber reinforced polypropylene leaf spring. Composite Structures*, *93*(2), 759–766.

Sudarsono dan Yuspian Gunawan.(2012). Analisa Kekuatan Pegas Daun (Leaf Spring) pada Suzuki Carry 1.5 Mega Cargo. Dinamika Jurnal Teknik Mesin. Volume 3 No.2 : 251-259.

Sunar1 O., M. Cevik. (2016). *Fatigue Life Finite Element Modeling of Leaf Springs for the Prediction of Fatigue Life*, (August 2015).

Swami, M. C., & Mahajan, S. B. (2015). *Simulation of Steel and Composite Leaf Spring by Varying Thickness. IOSR Journal of Mechanical and Civil Engineering Ver. III*, *12*(4), 2278–1684.

Toyota.(2008).*New Step 1 Training Manual*. Jakarta : PT. Astra Toyota Motor

Vidyadhar .C. Kale,Dabhade Roshan Megharaj. (2014). *Design of Leaf Spring for Light Commercial Vehicle for Enhanced Mechanical Properties and Reduce Weight to Improve the Performance Over a. Life*, *3*(11), 51–57.

Voutchkov, I., Keane, A., Shahpar, S., & Bates, R. (2017). (Re-) *Meshing using interpolative mapping and control point optimization*. *Journal of Computational Design and Engineering*.

Wang, Erke Thomas Nelson, dan Rainer Rauch. (2004). *Back to Elements Tetrahedra Vs Hexahedra*. Online at https://support.ansys.com/staticassets/ANSYS/staticassets/resourcelibrary/confpaper/2004-Int-ANSYS-Conf-9.PDF. Diakses pada tanggal 6 Desember 2017.

Xue Ka, Z. Y., & Zhigao, H. (2011). *Finite element analysis of composite leaf spring*. *6th International Conference on Computer Science & Education (ICCSE 2011)*, (Iccse), 316–319.

Yede, S., & Sheikh, M. . (2006). Modeling and finite element analysis of smart materials. *International Journal of Computer Applications*, *0975–8887*, 24–26.

Zienkiewich O.C. dan R.L. Taylor.(2000). The Finite Element Method (5^{th} Ed). Volume 1: The Basic. Oxford : Butterworth - Heinemann.