## REFERENCES

- Brian, R. C., (2008), "The Design of PID Controllers using Ziegler Nichols Tuning", accessed on Thursday, May 05<sup>th</sup> 2011, at 10:15:05 AM.
- D. Guidaa, F. Nilvetti, C. M. Pappalardo, (2010), "Parameter Identification of a Full Car Model for Active Suspension Design," *Journal of Achievements* in Materials and Manufacturing Engineering, Vol. 40, Issue 2.
- Daniel J. Inman, (2001), "Engineering Vibration," Virinia Polytechnic Institute and State University, Prentice Hall Int., Inc., United States of America.
- Finn Haugen, (2010), "Dynamics and Control Engineering", accessed on Wednesday, July 07<sup>th</sup> 2010, at 10:31:01 AM.
- http://www.engine.umich.edu/group/ctm/examples/susp/susp.html#Problem

  Accessed on Monday, February 7<sup>th</sup> 2011, at 11:14:12 AM.
- Hrovat, D. (1997), "Survey of Advanced Suspension Developments and Related Optimal Control Applications," *Automatica*, Vol. 33, No. 10, ISSN: 1781-1817.
- Howard, "Lecture note 8", Department of Mechanical Engineering, Curtin University of Technology, Australia.
- J. O. Smith (2005), "Supplementary Lecture: Introduction to Linear State Space Models," Stanford University, California, U.S.A.

- J. Zhong (2006),"A Short Tutorial: PID Controller Tuning," *Mechanical Engineering*, Purdue University
- M. S. Kumar, and S. Vijayarangan (2007), "Analytical and Experimental Studies on Active Suspension System of Light Passenger Vehicle to Improve Ride Comfort," MECHANIKA, No. 3, page 34, ISSN:1392-1027.
- Norman S. Nise,(2001), "Control Systems Engineering, 3<sup>rd</sup> Edition," California State Polytechnic University, Pomona, John Wiley & Sons, Inc., United States of America.
- Rosheila B. D. (2008), "Modeling and Control of Active Suspension for Full Car Model," *Master of Engineering Dissertation*, University Teknologi Malaysia.
- R. N. Jazar (2008), "Vehicle Dynamics: Theory and Application," Springer Science + Business Media, LLC: New York, U.S.A., ISSN: 978-0-387-74243-4.
- Simulink Guide Version 6 (2004), Released by the Math Works, Inc. Website: <a href="http://www.mathworks.com/">http://www.mathworks.com/</a>.
- Singiresu S. Rao,(2004),"Mechanical Vibrations, 4<sup>th</sup> Edition in SI Units," Pearson Education South Asia Pte Ltd., Malaysia.

- Sumardi (1998), "Perancangan Sistem Suspensi Semi-Aktif dengan Peredam Non-Linier Menggunakan Pengontrol Fuzzy," *Tesis Magister*, Institut Teknologi Bandung.
- T. K. Garret, K. Newton, and W. Steeds (2001), "The Motor Vehicle", 13<sup>th</sup> edition, Reed Educational and Professional Publishing Ltd: Great Britain, ISSN: 07506 44494.
- Y. M. Sam, and J. Salim (2005), "Modeling and Control of the Active Suspension System using Proportional Integral Sliding Mode Approach,"

  Asian Journal of Control, Vol. 7, No. 2, pp. 91-98.
- Yue, C., (1988), "Control Law Designs for Active Suspension in Automotive Vehicles," *Master of Science in Mechanical Engineering*, Massachusetts Institute Technology.