

## REFERENCES

- Akib,. A. b. M, Saad,. N. b., & Asirvadam,. V. 2011. Pressure Point Analysis for early detection system. *Oil & Gas Journal*: 15-20.
- Attarian,. A.2006. Acoustic Wave Propagation, *Pipeline and Gas Journal*: 201 – 210
- A. Ravinder., Y. Sanjay., 2010. Development of Strain Gauge Pressure Transducer up to 2000 bar. *Electronics Instrumentation and Controls Engineering*: 34 – 50
- C.Valens.1999. A Really Friendly Guide to Wavelets, *Journal of wavelet*: 50 – 100.
- Dr. R. S. Whaley,. R. E. N., J.D. Van Reet. 1992. Tutorial on software based leak detection techniques. *Journal of Hydraulic Engineering*: 1-7
- Eyuboglu. S., Mahdi, H., & Al-Shukri. H. 2000. Detection of water leaks using ground penetrating radar: 101-103
- E.Fisher, J. 2007. New Techniques For leak detection in challenging acoustic environments. *Journal of vibration research*: 72 – 91
- Geiger, G,. 2006. State of the art in leak detection and localization, *Arab Water World*. **29**. (4): 52-70
- Galvanized Iron pipe, 2012[cited on 2012 30 November]; Available from [http://homerepair.about.com/od/plumbingrepair/ss/Types-Of-Home-Piping-Materials\\_6.htm](http://homerepair.about.com/od/plumbingrepair/ss/Types-Of-Home-Piping-Materials_6.htm)
- Hill, H. 2000. Crude oil transmission pipelines, *Technical review of leak detection technologies*. (1): 15-20
- High Density Polyethylene 2012 [cited 2012 28 November]; Available from <http://www.matbase.com/material/polymers/commodity/hdpe/properties>.
- Level of NRW in Malaysia.2012 [cited 2012 28 November]; Available from [www.span.gov.my](http://www.span.gov.my)
- NRW estimation. 2012 [cited 2012 28 November]; Available from: <http://www.thesundaily.my/news/270614>
- Press, W, H., Flannery, B, P., Teukolsky, S. A., & Vettering, W. T. 2008. *Fourier Transform Spectrum Method*: 105 - 110
- Pig based monitoring systems. [cited 2012 27 November]; Available from <http://www.scribd.com/doc/85488099/100/Pig-based-Monitoring-Systems,p.206>.

- Pig based monitoring systems. [cited 2012 27 November]; Available from <http://www.scribd.com/doc/85488099/100/Pig-based-Monitoring-Systems,p.207>
- Piezotronics Pressure Sensor, 2012 [ cited on 2012 5 December ]; Available from <http://www.pcb.com/Products.aspx>
- Stafford,. M. Williams, N., 1996. Pipeline Leak Detection Study. *Health and Safety Executive Offshore Technology Report (OTH 94 931)*
- Scott, A. P. D. S. L., & Barrufet, A. P. D. M. A. 1992. Worldwide Assessment of Industry Leak Detection Capabilities for Single & Multiphase Pipelines. *Journal of vibration: 50 -70*
- Summa, J., 1992. Pipeline leak detection operational improvements, *Urban water Journal: 25-50.*
- Shucksmith, J. D., Beck, S. B. M., & Staszewski, W. J. 2008. Leak detection in a pipeline by cepstrum analysis of a pressure transient. *Structural Control and Health Monitoring.* (8): 160-168
- Seth, D. A., 2012. Leak detection using pressure transient. *Modeling and Optimization Applications: 153 - 166*
- Timelines History. 2012 [cited 2012 29 November, 29]; Available from <http://takadu.wordpress.com/2012/08/07/leak-detection-technologies-evolution-whats-next>.
- Water Hammer. 2012 [cited 2012 28 November]; Available from <http://www.plastomatic.com/water-hammer.html>
- W.L.Bayissa, Haritos, N., & S.Thelandersson., 2007. Vibration-based structural damage identification using wavelets transform. **13**(8): 4 -6
- Zhang, D. J., & Twomey, M. 2000. Statistical Pipeline Leak detection techniques for all operating conditions: 285.