

## DAFTAR PUSTAKA

- Anonim. 1999. *Material Safety Data Sheet Ammonia*. Air Product pub#320-709
- Anonim. 2015. *Safety Data Sheet Ammonia*. Airgas USA.
- Anonim. 2015. *Respiratory Physiology*. (Online). <http://www.indiana.edu/~nimsmsf/P215/p215notes/LabManual/Lab11.pdf>. f. (23 November 2015)
- Brown, C. W., Lynch, P. F., Obremski, R. J., & Lavery, D. S. 1982. Matrix Representations and Criteria for Selecting Analytical Wavelengths for Multicomponent Spectroscopic Analysis. *Analytical Chemistry*, Vol. 54 No. 9, 1472-1479.as
- Dumitras, D. C. 2012. CO<sub>2</sub> Laser – Optimisation and Application. Rijeka, croatia: InTech.
- Harren, F. 1988. The Photoacoustic Effect, Refined and Applied to Biological Problems. Ph.D Disertation, Chatolic University, Nijmegen, Belanda.
- Harren, F. J., Cotti, G., Oomens, J., & Hekkert, S. t. (2000). Photoacoustic Spectroscopy in Trace Gas Monitoring. *Encyclopedia of Analytical Chemistry* R.A. Meyers (Ed.), 2203-2226.
- Helga, H. a., Andre, P., Z Walton, B., Mohacsi, A., Lazlo, H., & Gobar, S. (2008). Ammonia monitoring at ppb level using photoacoustic spectroscopy for Environmental Application. *Sensors and Actuators B: Chemical*, 1027-1033.
- Hibbard, T and Killard, A. 2011. Breath ammonia levels in a normal human population study as determined by photoacoustic laser spectroscopy. *Journal of Breath Research*, 5 (3). ISSN 1752-715(2011)
- Hoar, L., and Gallagher, J. S. 1978. Thermodynamic Properties of Ammonia. *Journal Physics Chemistry* Vol.7 No.3, 635-792.
- Hubert, M. 1983. Laser Optoacoustic Detector Measurement of Signatures of a Selection of Environmental Contaminants. Mississauga: Ultra Lasertech Inc.
- Hirlan. 2012. Pengelolaan ensefalopati hepatikum : fokus pada peran ginjal.(Online). <http://www.ipd.fk.undip.ac.id/> (25 November 2015)
- Kardono dan Purwanto, W. 2007. Landfill Gas for Energy: Its Status and Prospect in Indonesia. *Proceedings of International Symposium on EcoTopia Science 2007*, ISETS07.

- Konjevic, N. dan Jovicevic, S. 1979. Spectrophone Measurements of Air Pollutants Absortion Coefficients at CO<sub>2</sub> Laser Wavelegths. Yugoslavia:Marcel Dekker, Inc
- Landon, Nigel. 2013. Sebuah Tinjauan Tentang Sektor Manajemen Persampahan Indonesia. Jurnal Prakarsa Infrastruktur Indonesia, Ed. 15, Oktober 2013.
- Lourenço, C. and Turner, C., 2014. Breath Analysis in Disease Diagnosis: Methodological Considerations and Applications. Journal Metabolites 2014, 4, 465-498
- Lide, D. R. 2010. CRC Handbook of Chemistry and Physics 90th, Internet Version 2010. Florida: CRC Press.
- Liu, G. 2012. Greenhouse Gases - Emission, Measurement and Management. Rijeka: www.intechopen.com.
- Pushkarsky, M.B., Webber, M.E., Baghdassarian, O., Narasimhan, L.R., Patel, C.K.N. 2002. Laser Based Photoacoustics Ammonia Sensors for Industrial Applications. Journal Applied Physics B 75, 291-296.
- Mathew, L., Pownraj, P., Abdulla, S., and Pullithadathil, B. 2015. Technologies for Clinical Diagnosis Using Expired Human Breath Analysis. Journal Diagnostics pp 28-60
- Mccurdy, M. R., Bakhirkin, Y., Wysocki, G., Lewicki, R., & Tittel, F. K. (2007). Recent advances of laser-spectroscopy based techniques for applications in breath analysis. J. Breath Res.1(2007) 014001 (12pp).
- Mitrayana, 2002, Spektrometer Fotoakustik Intrakavitas Kepekaan Tinggi Bersumberkan Laser CO<sub>2</sub> Tertutup (Sealed-off) dengan Penerapannya pada Penentuan Volume Trachea Serangga Melalui Penyelidikan Pola Pernafasannya. Tesis S2. Universitas Gadjah Mada, Yogyakarta.
- Mitrayana, Nurhadi, Y., dan Wasono, M. 2010. *Spektroskopi Fotoakustik untuk Deteksi Gas Amonia dari Pernapasan Manusia*. Yogyakarta: Universitas Gadjah Mada.
- Murniati .2001. Metode Deteksi Beberapa Jenis Gas Polusi Udara dengan Spektrometer Fotoakustik Laser CO<sub>2</sub>, Tesis S2, Pascasarjana UGM, yogyakarta.
- Narasimhan, L.R ., Goodman, W and. Patel, C.K.N. 2001. Correlation of Breath Ammonia with Blood Urea Nitrogen and Creatinine During Hemodialysis. Proceedings of the National Academy of Sciences of the United States of America, Vol.98 (8), (2001)pp. 4617-4621.
- Peraturan Menteri Tenaga Kerja dan Transmigrasi. No. PER 13/Men/X/2011 Tahun 2011. Nilai Ambang Batas Faktor Fisika dan Faktor Kimia di Tempat Kerja.

- Rosencwaig, A. 1980. *Photoacoustic and Photoacoustics Spectroscopy*. New York: John Wiley and Sons New York.
- Schilt, S., Thevenaz, L., Nikles, M., Emmenegger, L. Huglin, C. 2004. Ammonia Monitoring at Trace Level Using Photoacoustic Spectroscopy in Industrial and Environmental Applications, *Journal Spectrochimica Acta Part A* 60, 3259-3268.
- Timmer, B., Olthuis, W., dan Berg, A.V.D. 2005. Ammonia Sensors and Their Applications: A Review. *Sensors and Actuators B*, 107:666-677.
- Wasono, M. A. (1998). Construction and Performance of CO<sub>2</sub> Laser Driven Photoacoustic Spectrometer As A Monitor of Ethylene Emission in Postharvest Metabolism of Tropical Fruits. Disertasi Doktor. Yogyakarta: Universitas Gadjah Mada.
- Wojtas, J., Bielecki, Z., Stacewicz, T., Mikołajczyk, J., Nowakowski, M. 2012. Ultrasensitive Laser Spectroscopy For Breath Analysis. *Opto-Electronics Review*. 20(1), pp.26-39.