DAFTAR PUSTAKA

Bajtarevic, A., Ager, C., Pienz, M., Klieber, M., Schwarz, K., Ligor, M., Ligor, T., Filipiak, W., Denz, H., Fiegl, M., Hilbe, W., Weiss, W., Lukas, P., Jamnig, H., Hackl, M., Haidenberger, A., Buszewski, B., Miekisch, W., Schubert, J. dan Amann, A. 2009. Noninvasive Detection of Lung Cancer by Analysis if Exhaled Breath. *BMC Cancer*.

Bayrakli, I., dan Akman, H. 2015. Breath analysis with photoacoustic spectrometer. *Glob. J. on Tech*.

Cernat, R., Matei, C., Bratu, A. M., Popa, C., Dutu, D. C. A., Patachia, M., Petrus, M., Banita, S., dan Dumitras, D. C. 2010. Laser Photoacoustic Spectroscopy Method for Measurements of Trace Gas Concentration from Human Breath. *Romanian Report in Physics,* Volume 62, hal. 610-616.

Cheng, Y. L., Chang, W. L., Lee, S. C., Liu, Y. G., Lin, H. C., Chen, C. J., Yen, C. Y., Yu, D. S., Lin, S. Z., dan Harn, H. J. 2003. Acetone Extract of Bupleurum Scorzonerifolium Inhibits Proliferation of A549 Human Lung Cancer Cells Via Inducing Apoptosis And Suppessing Telomerase Activity. *Life Sciences,* Volume 73, Hal. 2383 – 2394.

Darmawan, M. Y. 2016. Kinerja Spektrometer Fotoakustik Laser CO_2 Untuk Deteksi Gas Etilen(C_2H_4), Aseton(C_3H_6O), Amonia(NH_3) Pada Gas Hembus Perokok. *Tesis*. Fisika FMIPA. Universitas Gadjah Mada. Yogyakarta.

Demtröder, W. 2003. *Laser Spectroscopy: Basic Concepts and Instrumentation.* Springer-Verlag. Berlin.

Dumitras, D. C., Bratu, A. M. dan Popa, C. 2012. CO_2 Laser Photoacoustic Spectroscopy: I. Principles. Dumitras, D. C. *CO2 Laser: Optimisation and Application.* InTech. Rijeka. Kroasia

Gondal, M., Dastageer, A. dan Shwehdi, M. 2004. Photoacoustic spectrometry for trace gas analysis and leak detection. *Talanta,* Volume 62, hal. 131-141.

Gordon, S. M., Szidon, J. P., Krotoszynski, B. K., Gibbons, R. D. dan O'Neill, H. J. 1985. Volatile Organic Compounds in Exhaled Air from Patient with Lung Cancer. *Clinic Chem.*, Volume 31, hal. 1278-1282.

Gregis, G., Sanchez, J. B., Schaefer, S., Fierro, V., Berger, F., Bezverkhy, I., Weber, G., Bellat, J. P. dan Celzard, A. 2015. Detection of Lung Cancer Bio-Marker in Human Breath Using a Micro-Fabricated Air Analyzer. *Materials Today: Proceedings*, Volume 2, hal. 4664-4670.

Harren, F. J. M., Bijnen, F. G. C., Reuss, J. Voesenek, L. A. C. J. dan Blom, C. W. P. M. 1990. Sensitive Intracavity Photoacoustic Measurements With a CO_2 Waveguide Laser. *Appl. Phys. B*, Volume 50, hal. 137-144.

Konjevic, N. dan Jovicevic, S. 1977. *Spectrophone Measurements of Air Pollutans Absorption Coefficients at CO_2 Laser Wavelengths*. Marcel Dekker, Inc. Yugoslavia.

Li, M., Yang, D., Brock, G., Knipp, R. J., dan Bousamra, M. 2015. Breath Carbonyl Compounds as Biomarkers of Lung Cancer. *Lung Cancer*, Volume 90.

Li, Z., Xu, C., Shu, J., Yang, B. dan Zou, Y. 2016. Doping-Assisted Low-Pressure Photoionization Mass Spectrometry For The Real-Time Detection of Lung Cancer-Related Volatile Organic Compounds. *Talanta*, Volume 165, hal 98-106.

Ligor, T., Pater, L. dan Buszewski, B. 2015. Application of An Artificial Neural Network Model For Selection of Potential Lung Cancer Biomarkers. *J. Breath Res.*, Volume 9.

Mazzone, P. 2008. Analysis of Volatile Organic Compounds in The Exhaled Breath for The Diagnosis of Lung Cancer. *J. Thorac Oncol.*, Volume 3, hal. 774-780.

Mitrayana, Wasono, M. A. J. dan Ikhsan, M. R. 2017. *Spektroskopi Fotokustik Laser dan Aplikasinya.* Universitas Gadjah Mada. Yogyakarta.

Montrgomery, D. C. 2011. *Design and Analysis of Experiments 5th Edition.* John Wiley & Sons, Inc. New York.

Mwakikunga, B. W., Mudau, A. E., Brink, N. dan Willers, C. J. 2011. Flame Temperature Trends in Reacting Vanadium And Tungsten Ethoxide Fluid Sprays During CO_2-Laser Pyrolysis. *Appl. Phys. B*, Vol 105, hal. 451-462

Navas, M. J., Jiménez, A. M. dan Asuero, A. G. 2012. Human Biomarkers in Breath by Photoacoustic Spectrosopy. *Clinica Chimica Acta*, Volume 413, hal. 1171-1178.

Popa, C., Bratu, A. M., Cernat, R., Banita, S., Dutu, D. C. A. dan Dumitras, D. C. 2011. Spectroscopy Studies of Ethylene and Ammonia as Biomarkers at Patients with Different Medical Disorders. *U. P. B Sci., Series A,* Volume 73.

Pratama, A. K. Y. 2013. Optimasi Daya Laser Pada Spektrometer Fotoakustik Laser CO_2 Konfigurasi Intrakavitas dan Aplikasinya Dalam Mengukur Konsentrasi Gas Aseton Pada Gas Hembus Nafas Pasien Penderita Diabetes Mellitus Tipe 2. *Tesis*. Fisika FMIPA. Universitas Gadjah Mada. Yogyakarta.

Sigrist, M. W. 2010. *Photoacoustic Spectroscopy, Applications*. Lindon, J. C., Tranter, G. E., dan Koppenaal, D. W. *Encyclopedia of Spectroscopy and Spectrometry 2nd Edition*. Academic Press. San Diego. USA.

Solihat. 2014. Aplikasi Spektrometer Fotoakustik Laser Untuk Deteksi Gas Etilen Pada Gas Hembus Perokok dan Mantan Perokok. *Tesis*. Fisika FMIPA. Universitas Gadjah Mada. Yogyakarta.

Svelto, O. 2010. *Principles Of Lasers 5th Edition*. Springer. New York.

Ulanowska, A., Kowalkowski, T., Trawinska, E. dan Buszewski, B. 2011. The Aplication of Statistical Methods Using VOCs to Identify Patients With Lung Cancer. *J. Breath Res.,* Volume 5.

Wang, C. and Sahay, P. 2009. Breath Analysis Using Laser Spectroscopic Techniques: Breath Biomarkers, Spectral Fingerprints, and Detection Limits. *Sensors*, Volume 9, hal. 8230-8262.

Zhao, W., Al-Naseer, L. F., Shan, S., Li, J., Skeete, Z., Kang, N., Luo, J., Lu, S., Zhong, C. J., Grausgruber, C. J., dan Harris, R. 2016. Detection of Mixed Volatile Organic Compouds and Lung Cancer Breaths Using Chemiresistor Arays With Crosslinked Nanoparticle Thin Films. *Sensors and Actuators B: Chemical*, Volume 232, hal. 292-299.