

Daftar Pustaka

- Albagli, D. e. (1994). Laser-induced thermoelastic deformation: a three-dimensional solution and its application to the ablation of biological tissue. *Medical physics. Wiley Online Library*, 21(8), 1323–1331.
- Asadi, A. (2014). *Raspberry Pi for Beginners Revised Edition*. London: Imagine Publishing Ltd.
- Bageshwar, D. V. (2010). Photoacoustic Spectroscopy and Its Applications – A Tutorial Review. *Eurasian Journal of Analytical Chemistry*, 187–203.
- Bageshwar, D. V., Pawar, A. S., Khanvilkas, V. V., & Kadam, V. J. (2010). Photoacoustic Spectroscopy and Its Applications – A Tutorial Review . *Eurasian J. Anal. Chem.*, 5, 2, 187–203.
- Becking, A. G., & Rodenakers, A. (1954). *Acustica* 4.
- Bore, G., & Peus, S. (1999). *Microphones: Methods of Operation and Type Examples, 4th edn*. Berlin: Druck-Centrum Fürst GmbH.
- Brigham, E. O. (1974). *The Fast Fourier Transform*. New Jersey: Prentice Hall.
- Changyeop, L., Wonseok, C., Jeesu, K., & Chulhong, K. (2020). Three-dimensional clinical handheld photoacoustic/ultrasound scanner. *Photoacoustic-ScienceDirect*, 100173.
- Coldren, L. A., Corzine, S. W., & Mashanovitch, M. L. (2012). *iode Lasers and Photonic Integrated Circuits, 2nd ed*. New Jersey: John Wiley & Sons.
- Dioasi, A., & Kleeman, L. (2005). Laser scan matching in polar coordinates with application to SLAM . *2005 IEEE/RSJ International Conference on Intelligent Robots and Systems, IROS*, 1439–1444. doi: 10.1109/IROS.2005.1545181.

- El-Sharkawy, Y. H. (2009). Physical and thermal properties of human teeth determined by photomechanical, photothermal images to rapidly diagnose. *in Proc. SPIE Int. Soc. Opt. Eng*, 71860K.
- El-Sharkawy, Y. H., & El-Sherif, A. F. (2011). Laser ultrasound characterization of normal and decayed teeth by measuring elastic properties of surface layers. *in Proc. of SPIE Vol*, 78971K--1.
- ElektronikaDasar. (2019, October 1). *Motor Stepper*. Retrieved from Elektronika Dasar - Teori Dasar Elktronika, Karakteristik Kompen, Artikel, dan Aplikasinya: <http://elektronika-dasar.web.id/motor-stepper/-diakses> tanggal 16 Februari 2020
- Erfanzadeh, M., Kumavor, P. D., & Zhu, Q. (2018). Photoacoustic Laser Scanning Laser Diode Photoacoustic Microscopy. *Photoacoustic-ScienceDirect*, 9.
- Fowles, G. R., & Cassiday, G. L. (1999). *Analytical mechanics*. Saunders college.
- Hariri, A., & Fatima, A. (2016). Towards low cost photoacoustic Microscopy system for evaluation of skin health. *Proc. of SPIE*, 9976, pp. 1–7, doi: 10.1117/12.2238423.
- Jansen, K., van Soest, G., & Van Der Steen, A. F. (2014). Intravascular Photoacoustic Imaging: A New Tool for Vulnerable Plaque Identification . *Ultrasound in Medicine & Biology*, 40(6), 1037–1048. doi: 10.1016/j.ultrasmedbio.2014.01.008.
- Kalkman, C. J. (1995). LabVIEW: a software system for data acquisition, data analysis, and instrument control. *Journal of clinical monitoring. Springer*, 11(1), 51–58.
- Kim, G. R. (2014). Photoacoustic imaging of breast microcalcifications: A preliminary study with 8-gauge core-biopsied breast specimens. *PLoS ONE*, 9(8), 8–10. doi: 10.1371/journal.pone.0105878.

- Kolkman, R. G., & Steenberger, W. (2006). *n vivo photoacoustic imaging of blood vessels with a pulsed laser diode. Laser Med Sci, 21*, pp. 134–139, doi: 10.1007/s10103-006-0384-z.
- Kurniawan, E. (2016). *SISTEM FOTOAKUSTIK SEDERHANA BERBASIS LASER DIODA DAN MIKROFON CONDENSER UNTUK PENGUKURAN KONSENTRASI DARAH*. Skripsi: Universitas Gadjah Mada.
- Lao, Y. e. (2008). Noninvasive photoacoustic imaging of the developing vasculature during early tumor growth. *Physics in medicine and biology. IOP Publishing, 53(15)*, 4203.
- Lu, T., & Zang, H. (2010). Photoacoustic Tomography of Micro-blood Vessels in Tissue Mimicking Phantom. *International Conference on Biomedical Engineering and Informatics*, 456-458.
- Lutfi, F. (2017, Januari 19). *Mengenal Node.js*. Retrieved from codepolitan: codepolitan.com
- M., O., Aguirre, J., & Ntziachistos, V. (2019). Optoacoustic sesoscopy for biomedicine. *Nat. Biomed. Eng*, 1.
- Mc Roberts, M. (2010). *Begining Arduino*. New York: Apress.
- Miklos, A., & Hess, P. (2000). Peer Reviewed: Modulated and Pulsed Photoacoustics in Trace Gas Analysis. *Analytical Chemistry, 72(1)*, 30 A-37 A. doi: 10.1021/ac002681m.
- Miklos, A., Schafer, S., & Hess, P. (1999). Photoacoustic Spectroscopy, Theory. *Academic Press* , 1815-1822.
- Miyosi, H. (2017). *SKRIPSI: SISTEM CITRA FOTOAKUSTIK SEDERHANA BERBASIS LASER DIODA DAN MIKROFON CONDENSER* . Yogyakarta: Universitas Gadjah Mada.

- Morse, P. M. (1948). *Vibration and Sound*. New York: McGraw-Hill.
- Mustaffa, I. B., & Kairul, S. B. (2017). *Identification of Fruit Size and Maturity Through Fruit Images Using OpenCV-Python and Raspberry Pi*. Melaka: Faculty of Engineering Technology, Universiti Teknikal Malaysia.
- Naam, A., & Hassan, A. (2015). Non Invasive Blood Glucose Measurement Based on Photo-acoustic Spectroscopy . *International Conference on Computing, Control, Networking, Electronics and Embedded Systems Engineering*, 978-1-4673-7869-7/15.
- Nayoan, A. (2019, Oktober 19). *Pengenalan Node.js Lengkap bagi Pemula*. Retrieved from Niagahoster: <https://www.niagahoster.co.id/blog/node-js-adalah/>
- Nguyen, H. Y., & Steenbergen, W. (2020). Three-dimensional view of out-of-plane artifacts in photoacoustic imaging using a laser-integrated linear-transducer-array probe. *Photoacoustic-ScienceDirect*, 100176.
- Nohrawi. (2013). *Skripsi: Perancangan sistem akusisi data seismik portabel berbasis mikrokomputer raspberry-pi*. Jakarta: Universitas Indonesia.
- Pao, Y. H. (1977). *Optoacoustic Spectroscopy and Detection*. London: Academic Press, Inc.
- Pospiech, M., & Liu, S. (2004). *Laser Diodes*.
- Press, W. H. (1992). *Numerical Recipes in Fortran 77: The Art of Scientific Computing. 2 ed*. Cambridge: Cambridge University Press.
- Riley, K. F., Hobson, M. P., & Bence, S. J. (2006). *Mathematical Methods for Physics and Engineering. 3 ed.* . Cambridge : Cambridge University Press.
- Scheps, R. (2002). *Introduction to Laser Diode-Pumped Solid State Lasers*. San Diego, California: SPIE Tutorial Texts in Optical Engineering.

- Setiawan, E. (2012). *Kamus Besar Bahasa Indonesia (KBBI)*. Badan Pengembangan dan Pembinaan Bahasa, Kemdikbud (Pusat Bahasa), 2016.
- Suhara, t. (2004). *Semiconductor Laser Fundamentals*. Osaka, Japan: Marcel Dekker, Inc.
- Wakerly, J. F. (2006). *Digital Design Principles and Practices, 4th edn*. Pearson Education, Inc.: New Jersey.
- Wang, L. V. (2008). *Photoacoustic Tomography*. Washington: Optical Imaging Laboratory, Departemen of Biomedical Engineering.
- Wang, X., Pang, Y., Xu, M., & Wang, L. V. (2002). Photoacoustic Imaging of Biological Tissues with High Cross-section Resolution. *Proceedings of the Second joint EMBS/BMES Conference*.
- Xin, H. (2009). Use of CO₂ concentration difference or CO₂ balance to assess ventilation rate of broiler houses. *Transactions of the ASABE*, 52(4), 1353–1361.
- Xu, M., & Wang, L. V. (2006). Photoacoustic imaging in biomedicine. , *Rev. Sci. Instrum.*, 77, pp. 1–22, doi: 10.1063/1.2195024.
- Zhong, H., Duan, T., Zhang, J., Jiang, D., Lan, H., & Gao, F. (2019). Fingertip laser diode system enables both time-domain and frequency-domain photoacoustic imaging. *IEEE*, 978-1-7281-0397-6.
- Zulkaromi, M. (2017). *Motor Stepper (Ketidakstabilan, resonansi, dan penggerak linier)*. Semarang: Jurusan Teknik Elektro Fakultas Teknik Universitas Diponegoro.