



DAFTAR PUSTAKA

- Aminudin, A., Djamal, M., Supriyadi & Tjahyono, D.H., 2016, *Hemoglobin concentration measured based on magnetic sensor*, Journal of Chemical and Pharmaceutical Research, Vol.8 (8), p. 922 – 928
- Ask, P. & Oberg, P.A., 2001, *Blood Flow Measurements*, 1st edition, CRC Press LLC, Boston
- Asmar, R.; Safar, M. & Queneaw, P., 2016, *Evaluation of the Place effect and Reproducibility of Blood Pressure Measurement in Hypertension*, American Journal of hypertension, Vol. 14, issue 6, p.546 – 552
- Atsma, F., Velhuizen, I., de Kort, W., Kraaij, M., de Jong, P.P. & Deinum, J., 2012, *Hemoglobin Level is Positively Associated with Blood Pressure in a Large Cohort of Healthy Individuals*, Journal of Hypertension, Vol.60, p. 936 – 941
- Bren, K.L., Eisenberg, R. & Gray, H.B., 2015, *Discovery of the magnetic behavior of hemoglobin: A beginning of bioinorganic chemistry*, Proceedings of the National Academy of Sciences of the United States of America (PNAS), Vol. 112 (43) p. 13123 – 13127
- Burst, M., Schaefer, C., Doerr, R., Pan, L., Garcia, M., Arratia, P.E., & Wagner, C., 2013, *Rheology of human blood plasma: Viscoelastic versus Newtonian behavior*, Phys. Rev. Lett, No.110 p. 1 – 5.
- Caprihan, A., 1986, *Pulsed NMR Flow Measurement*, Patent No. 4,621,234, US Patent
- Cohen, T., 2001, *Flow – Through Probe for NMR Spectrometers*, Patent No. 6,310,480 BI, US Patent
- Chung, E., Chen, G., Alexander, B., Cannesson, M., 2013, *Non-invasive continuous blood pressure monitoring: a review of current applications*, J. Front. Med., Vol 7 (1), p. 91 - 101
- Dowel, A.F., 2010, *System and Method for Detecting Labeled Entities using Microcoil Magnetic MRI*, Paten USA, US 20100207631 A1
- Dowel, A.F., Fukushima, E., Esch, V., Norvell, M., Sillerud, L., 2012, *Microcoil Magnetic Resonance Detectors*, Paten USA, US 8143896 B2
- Feinberg, D.A., 1986, *Method and Apparatus for NMR Detection and Imaging of Flowing Fluid Nuclei*, Patent No. 4,602,641, US Patent
- Firdaus, H. & Widiyanti, T., 2016, *Kehandalan Sistem Pengukuran Kebocoran Arus Listrik*, **Prosiding 11th** Annual Meeting on Testing and Quality, LIPI, p. 279 – 290
- Foster, M.A., 1984, *Magnetic Resonance in Medicine and Biology*, Pergamon Press, New York.
- Gabriel, J.F., 1996, *Fisika Kedokteran*, edisi 1, EGCC, Denpasar, Bali
- Ganesan, K., 2008, *Flow Measurement Using NMR*, Paten USA, US 7459907 B2
- Glover, G.H., 2001, *Method for Reduction of MR Image Artifacts Due to Flowing Nuclei by Gradient Moment Nulling*, Patent No. 4,731,583, US Patent
- Gnadinger, A.P., 2011, *Non-invasive Blood Pressure Measurement and Monitoring Device*, Paten USA No. US 2011/0208066A1
- Greatorex, C.A., 1982, *Instrumentation for the Measurement of Blood Pressure and Flow*, Physics in Technology, Dept. Of Clinical Physics, London
- Hatanaka, M., 1994, *Methods and apparatus for imaging blood vessels employing magnetic resonance*, Paten USA, US 5331279 A
- Hawkes, R.C. & Patz, H.S., 1988, *Measurement of capillary flow using nuclear magnetic resonance*, Paten USA, US 4788500 A



- Jain, V., Abdulmalik, O., Propert, K.J., Wehrli, F.W., 2012, Investigating the Magnetic Susceptibility Properties of Fresh Human Blood for Noninvasive Oxygen Saturation Quantification, *Journal of Magnetic Resonance in Medicine*, p. 863 – 867.
- Jati, B.M.E. & Kusminarto, 2009, *Sensor dan Transduser Tekanan Fluida*, Monograf S3, FMIPA UGM, Yogyakarta
- Jati, B.M.E. & Irawan, B., 2010, *Sistem Peredaran Darah Manusia yang Berhubungan dengan Tekanan Darah*, Monograf S3, FMIPA UGM, Yogyakarta
- Jati, B.M.E. & Setio Utomo, A.B., 2013, *Instrumentasi dan Analisis Resonansi Magnetik NMR*, Monograf S3, FMIPA UGM, Yogyakarta
- Jati, B.M.E. & Priyambodo, T.K., 2013: *Fisika Dasar untuk Mahasiswa Ilmu-Ilmu Eksakta, Teknik & Kedokteran*, **edisi 2**, Penerbit Andi, Yogyakarta.
- Jati, B.M.E., Kusminarto, Setio Utomo, A.B. & Maruto, G., 2016, *Blood Pressure Monitoring System Using NMR Method*, *EPH-Int.J. of Applied Sciences*, Oct. Vol.2, p. 64 – 70, Kameda, Haryana
- Jati, B.M.E., Kusminarto, Setio Utomo, A.B. & Maruto, G., 2018, *A New Blood Pressure Measurement Technology Based on The Flipping of Magnetic Dipole Moment*, *Proceedings ICST-IEEE, 4th ICST*, Yogyakarta
- Jati, B.M.E., 2019, *Pengantar Fisika Kedokteran Bagian-1*, **edisi 1**, Penerbit UGM Press, Yogyakarta
- Jiwandoko, GA. & Nugroho, G., 2014, *Studi Numerik Water Hammer Pipa dengan Menggunakan Metode Finite Difference Lax*, *Prosiding Semnas IV, Unair*, ISSN 2407-2281, Surabaya
- Joseph, B. & William, H., 1970, *Phase locked nmr flowmetering system*, Paten USA, US 3551794A
- Kahno, H., Takiguchi, K. & Yamamoto, E., 1993, *Flow imaging method by means of an MRI apparatus and apparatus for realizing same*, Paten USA, US 5195524A
- Kazerouni, A.M., 2009, *Design and Analysis of Gauge R&R Studies: Making Decisions Based on ANOVA Method*, *World Academy of Science, Engineering and Technology*, p. 31 - 35
- Kusminarto, 2007, *Fisika: Penerapannya dalam Bidang Medis*, pidato pengukuhan jabatan Guru Besar di FMIPA UGM, Yogyakarta
- Lee, W.D., 2011, *NMR device for detection of analytes*, Paten USA, US 20110021374A1
- Lee, W.D., 2012, *NMR device for detection of analytes*, Paten USA, US 8102176B2
- Lee, W.D. & Berry, D.A., 2013, *NMR system for in vivo detection of analytes*, Paten USA, US 8388402B2
- Leong, A.Y. & Makowsky, M.J., 2019, *Quality of Blood Pressure Tracking Apps for the iphone: Content Analysis and Evaluation of Adherence with Home Blood Pressure Measurement Best Practices*, *JMIR Mhealth Uhealth*, **Vol.7** (4) p. 1 - 8
- Moran, P.R., 1987, *NMR Flow Imaging Using BI-Phasic Excitation Field Gradients*, Patent **No. 4,654,591**, US Patent
- Moran, P.R., 1987, *Blood Flow Imaging Using a CW NMR Technique*, Patent **No. 4,697,147**, US Patent
- Muntner, P., Shimbo, D., Carey, R.M., Charleston, B., Gaillard, T. & Misra, S., 2019, *Measurement of Blood Pressure in Human*, *Hypertension Journal*, **Vol.73**, p. 35 - 66
- Nyler, G.L. & Pattany, P.M., 1987, *Magnetic resonance imaging of high velocity flows*, Paten USA, US 4683431A
- Nyler, G.L. & Pattany, P.M., 1987, *Low RF dosage magnetic resonance imaging of high velocity flows*, Paten USA, US 4689560A



- Ogedegbe, G. & Pickering, T., 2010, *Principle and Techniques of Blood Pressure Measurement*, E-Journal of Cardiology Practice
- Pattany, P.M., 1987, *Magnetic Resonance Imaging of High Velocity Flows*, Patent No. **4,683,431**, US Patent
- Peter, L., Nouri, N. & Cerny, M., 2014, A review of methods for non-invasive and continuous blood pressure monitoring: pulse transit time method is promising ?, *J.irbm*, Elsevier Masssons, p. 1 – 10
- Plante, T., O'Kelly, A.C., Urrea, B., Macfarlane, Z.T., Appel, L., Miller, E.R., Blumenthol, R.S. & Martin, S.S., 2018, *Auralife Instant Blood Pressure App in Measuring Heart Rate: Validation Study*, *JMIR Biomed Eng*, **Vol.3**, p. 1 - 8
- Redington, R.W., 1991, *NMR Blood Flow Imaging*, Patent No. **4,516,582**, US Patent
- Riederer, S.J., 1988, *NMR blood vessel imaging method and apparatus*, Paten USA, US 4739766A
- Robles, N.R., 2015, *Home Blood Pressure Monitoring, Reproducibility and Pragnostic Aspects*, E-Journal of cardiology practice, **Vol. 13**, p. 1 - 6
- Roux, P.L., 1990, *Method for measuring flows in a nuclear magnetic resonance experiment*, Paten USA, US 4922202A
- Roux, P.L., 1991, *Method for measuring flow in a nuclear magnetic resonance experiment*, Paten USA, US 4983917A
- Schellart, N., 2008: *Compedium of Medical Physics, Medical Technology and Biophysics*, **2nd edition**, p.82 – 89 Dept. of Medical Physics, Amsterdam
- Shimakawa, A. & Wehrli, F.W., 1988, *Method for measuring and imaging fluid flow*, Paten USA, US 4777957A
- Slezak, P & Waczulikova, I, 2011, *Reproducibility and Repeatability of Blood Pressure*, Physiological Reseach, Institute of Physiology, Prague
- Thomas, S.S.; Nathan, V.; Zong, C.; & Aroul, P., 2014, *Biowatch – A wrist watch based Physiological Signal Aquisition System*, Proceeding of 36th Annual Int. Conference of the IEEE Eng. In Medicine and Biology Society, pp. 2286 - 2289
- Wang, T.W. & Lin, S.F., 2020, *Wearable Piezoelectric-Based System for Continuous Beat to Beat Blood Pressure Measurement*, *Sensors Journal*, **Vol.20** (851), p. 1 – 12
- Webster, JG, 2008, *Encyclopedia of Medical Devices and Instrumentation*, **Vol. 1**, p. 485 – 499, Wiley-Interscience, Madison
- Wehrli, F.W., 1985, *NMR Method for Measuring and Imaging Fluid Flow*, Patent No. **4,532,473**, US Patent
- Williams, J.S., Brown, S., Colin, P.R., 2009, *Videos in Clinical Medicine Blood Pressure Measurement*, *N Engl J. Med.*, **Vol. 360** (5), p. 1 - 9
- Xianxuan, L., Xueguang, Y. & Yangan, Z., 2016, *Non-invasive Blood Pressure Measurement Scheme Based on Optical Fiber Sensor*, *Journal of Optical Measurement Technology and Instrumentation*, **Vol. 101**, p. 1 – 8
- Yarows, S.A.; Patel, K. & Brook, R.; 2001, *Rapid Oscillometric Blood Pressure Measurement compared to Conventional Oscillometric Measurement*, *Blood Pressure Monitoring*, **Vol. 6 No. 3**, p. 145 – 147, Lippincott & Wilkin, Michigan
- Yzaguirre, I., Grazioli, G., Domenech, M. & Vinusea, A., 2017, *Exaggerated blood pressure response to exercise and late-onset hypertension in young adults*, *Journal of Clinical Methods and Pathophysiology*, **Vol.22** (6), p. 339 – 344