

## DAFTAR PUSTAKA

- Abdullah, M. (2006). *Fisika Dasar 2*. Bandung: Institut Teknologi Bandung.
- Apriansyah, F. Y. (2019). *Desain Model Identifikasi Kepadatan Massa Tulang Dengan Metode Transmission Quantitative Ultrasound*. Jakarta: Universitas Negeri Jakarta.
- Ardila, C. (2017). *Rancang Bangun Mesin Pembersih Memanfaatkan Transduser Ultrasonic Berbasis Mikrokontroler Atmega328*. Sumatera Utara: Universitas Sumatera Utara.
- Arsiyanto. (2012). *Analisa Citra Ultrasound Untuk Diagnosis Lesi Payudara*.
- Ashokkumar, M. (2010, Desember 4). The Characterization Of Acoustic Cavitation Bubbles – An Overview.
- Asriyanto. (2012). *Analisa Citra Ultrasound Untuk Diagnosis Lesi Payudara*. Depok: Ui.
- Azhari, H. (2010). *Basics Of Biomedical Ultrasound For Engineers*. Canada: A John Wiley & Sons, Inc., Publication.
- Budhysultyani, & Nugrahanti, I. (2007). *Pengembangan Metode Analisa Parameter Sinyal Ultrasonik Untuk Prediksi Osteoporosis*. Bandung: Itb.
- By C. R. P. Courtney, C.-K. O. (2012). Manipulation Of Particles In Two Dimensions Using Phase Controllable Ultrasonic Standing Waves. 468, 337–360.
- Chenar, Y., Xiea, G., Chang, J., Grundy, J., & Liub, Q. (2019). *A Study Of Coal Aggregation By Standing-Wave Ultrasound*. [Www.Elsevier.Com/Locate/Fuel](http://www.Elsevier.Com/Locate/Fuel).
- Coakley, W. T. (1997). Ultrasonic Separations In Analytical Biotechnology. *Trends Biotechnol.* 15, 506–511.
- Coakley, W. T. (2000). Analytical Scale Ultrasonic Standing Wave Manipulation Of Cells And Microparticles. 38, 638–641.
- Delly, J. (2009). Pengaruh Temperatur Terhadap Terjadinya Kavitasi Pada Sudu Pompa Sentrifugal.
- Elfira, W. (2008). Rekonstruksi Sinyal Akustik A-Mode Menjadi B-Mode Sebagai Dasar Sistem Pencitraan Ultrasonik.
- Fritsching , U., & Bauckhage, K. (1997). *The Interaction Of Drops And Particles With Ultrasonic Standing Wave Fields* (Vol. 25). Bremen, Germany: Built Environment, Wit Press, [Www.Witpress.Com](http://Www.Witpress.Com).
- Gunawan, M. I. (2019). *Pemanfaatan Kavitasi Pada Proses Pembuatan Biodiesel Menggunakan Ultrasonic Transduser Dengan Sistem Directt Wave Pada Reaktor*. Jakarta: Universitas Pembangunan Nasional”Veteran” Jakarta.

- Hadi , N., & A, A. (2020). Experimental Study Of The Characteristics Of Acoustic Cavitation Bubbles Under The Influence Of Ultrasonic Wave.
- Halliday, R. (1991). *Fisika Jilid I* (1 Ed.). Jakarta: Erlangga.
- Johnsson, H., Holm, C., Nilsson, A., Petersson, F., & Laurel, T. (2004). Particle Separation Using Ultrasound Can Radically Reduce Embolic Load To Brain After Cardiac Surgery. *78*:1572–8.
- Kerhoas, K. M., Dhariwal, R., & Desmulliez, M. (2008). Recent Advances In Microparticle Continuous. *2*, 1-13.
- Loh, W. L., Wan, T. T., Premanadhan, V. K., Naing, K. K., Tem, N. D., Perez, V. H., Et Al. (2014). Experimental Study Of The Separation Of Oil In Water Emulsions By Tangential Flow Microfiltration Process. Part 1: Analysis Of Oil Rejection Efficiency And Flux Decline. *Journal Of Membrane Science & Technology*, *5*(1).
- Lee, J., Kentish, S., & A, M. (2005). Effect Of Surfactants On The Rate Of Growth Of An Air Bubble By Rectified Diffusion.
- Macdonald, M. P., Neale, S., Paterson, L., Richies, A., Dholakia, K., & Spalding, G. C. (2004). *Cell Cytometry With A Light Touch: Sorting Microscopic Matter With An Optical Lattice*. (Vol. 2). University Of St Andrews, St Andrews, Fife, Scotland: J Biol Regul Homeost Agents.
- Madou, M., Zoval, J., Jia, G., Kido, H., Kim, J., & Kim, N. (2006). Lab On A Cd. *The Annual Review Of Biomedical Engineering*, *8*, 601–628.
- Masudo, T., & Okada, T. (2001). *Ultrasonic Radiation – Novel Principle For Microparticle Separation* (Vol. 17). Tokyo: The Japan Society For Analytical Chemistry.
- Mehic E, Xu , J., Cj, C., Coulson , N., & Ct, M. (2014). *Increased Anatomical Specificity Of Neuromodulation Via Modulated Focused Ultrasound*. Plos One.
- Mikrajuddin, A. (2006). *Ipa Fisika*.
- Mizutani, H. M., & Saito, T. (2019). *Innovative Use Of Low-Frequency Ultrasound For Particleseparation/Classification: Forces Acting On A Single Particle Held In Waterof 20-Khz-Ultrasound Pressure Fields In Transition States Under Control Of The Acoustic Pressure Amplitude*. Japan: Chemical Engineering Science 206.
- Muramatsu, H., Yana , S., Mizushima, Y., & Saito, T. (2015). A Novel Particle Separation Technique Using 20-Khz-Order Ultrasound Irradiation In Water. *Journal Of Physics: Conference Series 656 (2015) 012117*, Doi:10.1088/1742-6596/656/1/012117.
- Muramatsu, H., Yana , S., Mizushima, Y., & Saito, T. (2015). A Novel Particle Separation Technique Using 20-Khz-Order Ultrasound Irradiation In Water. *Journal Of Physics:*

- Conference Series 656 (2015) 012117*, Doi:10.1088/1742-6596/656/1/012117.
- Nurfitriona, A. (2012). Signifikansi Kavitas Ultrasonik Dan Hidrodinamik Terhadap Karakteristik Produk Oksidasi Penyisihan Limbah Fenol Dengan Proses Oksidasi Lanjut Berbasis Ozon.
- Nasir, S., Fitriyanti, & Kamila, H. (2009). Ekstraksi Dedak Padi Menjadi Minyak Mentah Dedak Padi (Crude Rice Bran Oil) Dengan Pelarut N-Hexane Dan Ethanol. *Jurnal Teknik Kimia*, Vol. 16.
- Ostasevicius, V., Jurenas, V., Golinka, I., Gaidys, R., & Aleksa, A. (2018). Separation Of Microparticles From Suspension Utilizing Ultrasonic Standingwaves In A Piezoelectric Cylinder Actuator. 7.
- Pain, H. J. (2005). *The Physics Of Vibrations And Waves*. London, Uk.
- Pamme, N. (2005). Magnetism And Microfluidics. *Lab On A Chip*, 6, 24-38.
- Petrucci. (1996). *Kimia Dasar Jilid 1*. Erlangga.
- Rsua, W. (2013). *Echocardiography Atau Usg Jantung*. Rumah Sakit Universitas Airlangga :.
- Rusli, M., Bur, M., & Yuhandri, T. (2012). *Desain Dan Pengujian Model Sederhana Pengering Makanan Berbasis Radiasi Gelombang Ultrasonik*. Universitas Gadjah Mada (Ugm), Yogyakarta.
- Sarabia, E. R.-F., Gallego-Jua Rez, J., Segura, L., Go Mez, I., & G. Rodri'guez, C. (2000). *Application Of High-Power Ultrasound To Enhance Fluid/Solid Particleseparation Processes* (Vol. 38). Madrid,Spain.
- Satriyo, A., Djukardi, E. K., & Zubier, F. (2011). *Peran Plasma Kaya Trombosit* (Vol. Vol. 38.No.1). Jakarta: Departemen Ilmu Kesehatan Kulit Dan Kelamin Fk Universitas Indonesia/Rsupn Dr. Cipto Mangunkusumo.
- Sarvazyan, A. (2010). *Ultrasonics* (Vol. 50). Usa.
- Schuerer, K., & Maufrais, C. (2010). *Introduction To Programming Using Python*. Boston: Pearson.
- Shin, B. S., Grace, M., & Danao, C. (2012). Characteristics Of Particle Separation In Suspension Using An Ultrasonic Standing Wave.
- Susilo. (2016). Gelombang Stationer. Dalam *Sumber Belajar Penunjang Plpg 2016 Mata Pelajaran/Paket Keahlian Fisika*. Kementerian Pendidikan Dan Kebudayaan Direktorat Jenderal Guru Dan Tenaga Kependidikan.
- Taryudi, & Wang, M. -S. (2017). Eye To Hand Calibration Using Anfis For Stereo Vision-Based Object Manipulation System.
- Tipler, P. A. (1998). *Fisika: Untuk Sains Dan Teknik*. (L. Prasetio, & R. W. Adi, Penyunt.)

- Jakarta: Erlangga.
- Townsend, R. (2006, Februari). *Modelling Of A Microfluidic Ultrasonic Particle Separator*. University Of Southampton.
- Trisnobudi, A. (2001). *Aplikasi Ultrasonik*. Bandung: Intitut Teknologi Bandung.
- Triwahyuni, D. (2010). Sintesis Dan Karakterisasi Bahan Piezoelektrik Bi0, 5na0, 5tio3 (Bnt) Dengan Metoda Molten Salt.
- Tsuitsui, H., & Ming Ho, C. (2008). *Cell Separation By Non-Inertial Force Fields In Microfluidic Systems* (Vol. 36). Los Angeles: Mechanics Research Communications.
- T. Silva, G., H. Lopes, J., Leão-Neto, J., Nichols, M. K., & Drinkwater, B. W. (2019). *Particle Patterning By Ultrasonic Standing Waves In A Rectangular Cavity* (Vol. 5). Department Of Mechanical Engineering, University Of Bristol, Bristol Bs8 1tr, United Kindgom: American Physical Society.
- Udik, W. (2018). Yogyakarta: Deepublish Cv Budi Utama.
- Wahyudi, U. (2018). Mahir Dan Terampil Belajar Elektronika. Yogyakarta: Deepublish Cv Budi Utama.
- Wiley, J., & Son. (2000). Kirk-Othmer Encyclopedia Of Chemical Technology.
- Wirza, E. (2008). *Rekontruksi Sinyal Akustik A-Mode Menjadi B- Mode Sebagai Dasarsistem Pencitraan Ultrasonik*. Depok: Universitas Indonesia.
- Wu, Y., Kanna, M. S., Lui, C., & Zhou, Y. (2015). *Generation Of Autologous Platelet-Rich Plasma By The Ultrasonik Standing Waves*. Ieee Transactions On Biomedical Engineering.
- Yasui, K. (2010). Fundamentals Of Acoustic Cavitation And Sonochemistry. Dalam *Theoretical And Experimental Sonochemistry Involving Inorganic Systems* (Hal. 1-29).
- Yatarif, & Wahyuni, N. (2008). *Karakteristik Sinyal Akustk Untuk Mendeteksi Keabnormalan Jaringan Tubuh Menggunakan Ultrasonik*. Depok: Universitas Indonesia.