

## DAFTAR PUSTAKA

- Alwis, L., Sun, T., Grattan, K. T. V., 2013, *Optical Fiber Based Sensor Technology For Humidity And Moisture Measurement : Review Of Recent Progress*, Elsevier, Vol 46, Hal 4052-4074, Amsterdam.
- Ardiyansyah, O., 2009, *Pengujian Empat Tipe Sensor Kelembaban Udara*, Skripsi, IPB, Bogor.
- Bolton, W., 2006, *Sistem Instrumentasi dan Sistem Kontrol*, PT Gelora Aksara Pratama, Jakarta.
- Ciprian, R., dan Lehman, B., 2009, Modeling Effects Of Relative Humidity Moisture, and Extrem Enviromental Conditions On Power Electronic Performance, Energy Converion Congress And Exposition, Vol 9, Hal 1052-1059.
- Dyah, S. P., 2008, Hidrolisis Tulang Sapi Menggunakan HCl Untuk Pembuatan Gelatin: Makalah Seminar Nasional Soebardjo Brotoharjono Dari Pengolahan Sumber Daya Alam Terbarukan , Jurusan Teknik Kimia, Surabaya.
- Anggraini, F.D., 2002, Departemen Fisika, FMIPA, Skripsi Sarjana, Institut Pertanian Bogor, ISSN 1978-0427.
- Fraden, J., 2014, *Handbook Of Modern Sensor*, Springer-Verlag New York, Inc., New York.
- Frederick, A., 1990, *Fiber Optics Hand Book Forengineers And Scientist Graw-Hill Companies Inc*, New York.
- Faharani, H., Waginan, R., Hamidan, M. N., 2014, Humidity Sensor Principle, Mechanisme., And Febrication Technologies; A Comprehensive Review Sensor, Vol 14, No.5, Hal 739-781, Basel.
- Fidanboylu, K., Dan Efendioglu, H., 2009, Fiber Optic Sensors And Their Applications, 5th Internasional Advanced Technologies Syimposium, Fatih University, Istanbul, Turkey.
- Khairunnisa, F., dan Harmadi, 2017, Rancang Bangun Alat Ukut Kelembaban Udara Berbasis Mikrokontroler Atmega328 Dengan Sensor Serat Optik Evanescent Menggunakan Film Gelatin,Vol 6 No.3. Jurnal Fisika Unand, padang.

Gholamzedeh, B., dan Nobovati. H., 2008, Fiber Optic Sensor World Academy Of Science, Engineering And Technology Journals, Vol.2 , No.6, Hal. 1107, Turki.

Hinterwaldner, R., 1977, Technology of gelatin manufactue, In the science and technology of gelatin, A.G ward and A. Courts, Academic press, London.

Holman, J.P., 1994, *Perpindahan kalor*, Erlangga, Jakarta.

Jones, D., 1998, *Introduction to Fiber Optics*, Naval Education and Training Professional Development and Technology Center, Vol 4 Hal.10, Lingaya's University, Faridabad.

Kaiser, G, 2000, *Optical Fiber Communication*, The Mc Graw-Hill Companies Inc, New York.

Krane, K., 2011, *Fisika Modren*, Penerbit Universitas Indonesia, Jakarta.

Maddu, A., Modjahidin, K., Sardy, S., Zain, H., 2006, Pengembangan Probe Sensor kelembaban Serat Optik dengan Cladding Gelatin, Makara, Vol,10, No. 1, Hal 45-50, Jakarta.

Peslinof, M., Harmadi, Wildian, 2013, Analisa Pengaruh Pembengkokan Pada Alat Ukur Tingkat Kekeruhan Air Menggunakan Sistem Sensor Serat Optik, *Jurnal Fisika Unand*, Vol 5, No 1 Hal 38-43, Padang.

Ryer, A., 1997, The Light Measurement, Internasional Light Technologies, Peabody.

Rosli, N., dan Sorban, M., 2015, Physicochemical and Struktural Properti Of Asian Swamp Eel (Monopterus Albus) Skin Gelatin As Compared To Boving Gelatin, School Of Food And Technology, Univesitas Malaysia Terengganu, Kuala Terengganu Malaysia Vol 22, No 2 Hal 699-706.

Silfvast, W.T., 2004, *Laser Fundamentals*, Cambridge University Press, Cambridge.

Saleh, B. E.A., Dan Teich, M.C., 1991, *Fundamental Of Photonics* John Wiley Dan Son,Inc, New Jersey.

Setiawati, I.H., 2009, Karakterisasi mutu fisika kimia gelatin kulit ikan kakap merah (Lutjanus sp) hasil proses perlukuan asam, *Skripsi*, IPB, Bogor.

Suryadhi, T.D.S., 2010, *Buku Pintar Robotika*, Penerbit Andi, Yogjakarta.

Tracey, P. M.,1991, Intrinsic Fiber-Optic Sensors, IEEE Transactions on Industry Applications, Vol.27, hal. 1

Wildian, 2012, Sistem Sensor, *Bahan Ajar*, Jurusan Fisika Universitas Andalas, Padang.

Wahyudin, D., 2006, *B elajar Mudah Mikrokontroler AT89S52 dengan bahasa BASIC menggunakan BASCOM-8051*, Penerbit ANDI, yogyakarta.

Zhang, L.,Gu, F., Lou, J.,Yin, X., Tong, L., 2008, *Fast detection of humidity with a subwavelength diameter fiber taper coated with gelatin film*, optic Express, No.17, Vol.15, Hal 13349-13353, Optical Society of America Washington DC.

Arduino Ethernet Shield, 2018, <http://arduino.cc/en/Main/ArduinoEthernetShield>, Mei 2018.

Arduino Uno, 2018, <http://arduino.cc/en/Main/arduinoBoardUno>, Mei 2018.

Microsoft Homepage, 2018, arduino ide, <http://www.microsoft.com>, diakses Maret 2018.

Rambe, MA, 2003, penggunaan serat optik plastik sebagai media transmisiuntuk alat ukur temperatur jauh, <http://library.usu.ac.id/donwload/ftkimia-ahmad%20mulia2.pdf>, diakses Februari 2017.

