

DAFTAR PUSTAKA

- Agrawal, G.P., 2002, *Fiber Optic Communication System*, Edisi Ketiga, Wiley-Interscience, New York.
- Akhbar, Z., 2014, Rancangan Prototype Instrumen Ukur Kadar Gula Darah dengan Metode Pengenalan Warna dan Tingkat Kekeruhan Urine dalam Uji Benedict Berbasis Visual Basic.NET, *Skripsi*, Program Pascasarjana Universitas Jember, Jember.
- America Diabetes Association, 2012, *Diabetes Care*, Vol.35, No.1.
- Benedict, S.R., 1907, The Detection and Estimation of Reducing Sugars, *Journal of Biological Chemistry*, Vol. 3, hal 101-117.
- Ellis, D.I. Goodacre, R., 2006, Metabolic Fingerprinting in Disease Diagnosis: Biomedical Application of Infrared and Raman Spectroscopy, *Analyst Journal*, Vol.131, hal. 875-885.
- Frederick, A., 1990, *Fiber Optics Hand Book for Engineers and Scientist*, Mc Graw-Hill, New York.
- Fidanboyly, K. dan Efendioglu, H.S., 2009, Fiber Optic Sensors and Their Aplication, *5th International advanced Technologies symposium*, Karabuk, Turkey.
- Indra, A.T. dan Harmadi., 2013. Karakteristik Sistem Serat Optik berdasarkan Efek Gelombang Eyanescent, *Jurnal Fisika Unand*, Vol.3, No.1, hal 12.
- Jahangiri, N. Alireza, B. dan Majid, T., 2014, Non-invasive Optical Techniques for Determination of Blood Glucose Levels, *Iranian Journal of Medical Physics*, Vol.11, No. 2-3, hal. 224-232.
- Keiser, G., 2000, *Optical Fiber Communication*, Edisi Keempat, The Mc Graw-Hill Companies, New York.
- Kholilah, R. A., 2011, *Study Awal Fiber Optik Sebagai Sensor pH*, Institut Teknologi Sepuluh November, Surabaya.
- Kim, Y.J. dan Yoon, G., 2006, Prediction of Glucose in Whole Blood by Near-Infrared Spectroscopy: Influence of Wavelength Region,

Preprocessing, and Hemoglobin Concentration, *Journal Biomed*, No.4, Vol.11.

Maddu, A., 2007, Pengembangan Sensor Serat Optik dengan Cladding Termodifikasi Polianilin Nanostruktur Untuk Mendeteksi Beberapa Uap Kimia, *Disertasi*, Program Pascasarjana Bidang Ilmu Teknik, Universitas Indonesia, Jakarta.

Mikel, A. Gotzon, A. Eneko, A. Joseba, Z., 2017, U-Shape and Surface Functionalized Polymer Optical Fiber Probe For Glucose Detection, *In Proceedings of the 2017 IEEE Sensor Applications*. Vol.48, hal. 568-574.

Mendelson, Y. Clermont, A.C. dan Pevia, R.A. Lin, B.,1990, Blood Glucose Measurement by Multiple Attenuated Total Reflection and Infrared Absorbtion Spectroscopy, *IEEE Transaction on Biomedical Engineering*, Vol.37, hal. 458-465.

Noor, R. F., 2015, Diabetes Mellitus Tipe 2, *Jurnal Fakultas Medis*, 4(5).

Peslinof, M. Harmadi. dan Wildian., 2013, Analisis Pengaruh Pembengkokan Pada Alat Ukur Tingkat Kekeruhan Air Menggunakan Sistem Sensor Serat Optik, *Jurnal Ilmu Fisika*, Vol. 5, No. 1, hal. 38-43.

Praja, F.G., 2013, Analisis Perhitungan dan Pengukuran Transmisi Jaringan Serat Optik Telkomsel Regional Jawa Tengah, *Jurnal Online Institut Teknologi Nasional*, Vo.1, No.1, hal. 42-51.

Prasetya, D., 2009, Serat Optik, *Skripsi*, Universitas Sriwijaya, Palembang.

Purniawan, A., 2014, Evanescent Waveguide Sensors for Biomedical Applications, *Disertasi*, Technischen Universitat Delft, Delft.

Ryer, A., 1997, *The Light Measurement*, International Light Technologies, Peabody.

Satria, E. dan Wildian., 2013, Rancang Bangun Alat Ukur Kadar Gula Darah NonInvasive Melalui Urine Berbasis Mikrokontroler AT89S51 Menggunakan Sensor Fotodioda, *Jurnal Fisika Unand*, Vol.2, No.1, hal. 40-47.

Shelly, M.J. Radhankrisnan, P. Nampoori, V.P.N. dan Vallabhan, C.P.G, 1998, Commun. In instrum, *Journal of Optics*, Vol.6, No.1, hal. 107-112.

Suematzu, Y. dan Iga, K., 1982, *Introduction to Optical Fiber Communication*, Jhon Willey & Sons, Inc.

- Syailendra, R., 2009, Alat Pendeteksi Kadar Gula Dalam Tubuh Melalui Urin Secara Otomatis Berbasis Mikrokontroler, *Laporan Penelitian Tugas Akhir*, Institut Teknologi Sepuluh Nopember, Surabaya.
- Thamridho, R., 2010, Rancang Bangun Alat Pengukur Kadar Gula Darah, *Sripsi Teknik Elektro Universitas Indonesia*. Jakarta
- Yamakoshi, Y. Clermont, A.C. dan Pevia, R.A. Lin, B., A New Non-Invasive Method for Measuring Blood Glucose Using Instantaneous Differential Near Infrared Spechtrophotometry, *29th Annual International conferene of the IEEE*, hal. 2964-2967.
- Yulia, C.W., 2011, Pemodelan Pelengkungan Mikro dan Makro Serat Optik, Skripsi, Universitas Indonesia.
- Widya, O. M., Rancang Bangun Pendeteksi Kadar Gula Dalam Darah Secara *Non-Invasive* Berbasis Mikrokontroler Atmega 8535. *Skripsi Program Pasca Sarjana Universitas Diponegoro*.
- Zhao, Z., 2002, Pulsed Photoacoustic Techniques and Glucose Determination in Human Blood and Tissue, *Ph.D. Dissertation*, University of Oulul, Oulu.

