

Prof. Dr. Warsito

**SISTEM
INSTRUMENTASI:
SERI APLIKASI
SENSOR OPTIK DAN MAGNETIK**

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SISTEM INSTRUMENTASI: Seri Aplikasi Sensor Optik Dan Magnetik

Prof. Dr. Warsito

Buku ini disusun sebagai buku referensi yang memuat hasil-hasil penelitian dalam bidang sensor optik dan magnetik, dapat dimanfaatkan sebagai acuan dalam melakukan penelitian, penyusunan skripsi, thesis, dan disertasi.

AURA
ANUGRAH UTAMA RAHARJA

Perpustakaan Nasional RI:
Katalog Dalam Terbitan (KDT)

**SISTEM INSTRUMENTASI:
SERI APLIKASI SENSOR
OPTIK DAN MAGNETIK**

Penulis:
Prof. Dr. Warsito

Desain Cover & Layout
Team Aura Creative

Penerbit
AURA
CV. Anugrah Utama Raharja
Anggota IKAPI
No.003/LPU/2013

x + 83 hal : 15,5 x 23 cm
Cetakan, Maret 2017

ISBN: 978-602-6565-77-8

Alamat
Jl. Prof. Dr. Soemantri Brojonegoro, Komplek Unila
Gedongmeneng Bandar Lampung
HP. 081281430268
E-mail : redaksiaura@gmail.com
Website : www.aura-publishing.com

Hak Cipta dilindungi Undang-undang

KATA PENGANTAR

Alhamdulillaahi Robbil ‘Aalamiin, buku ini dapat tersusun. Penulisan Buku Referensi ini merupakan satu kesatuan dari kegiatan penelitian yang didanai oleh Kemristekdikti, untuk itu penulis mengucapkan terima, dan juga kepada semua pihak yang telah membantu dalam penyusunan buku ini.

Pada bagian pertama, kedua, ketiga saya akan menyampaikan beberapa pengantar terkait dengan sistem instrumentasi, akuisisi data. Pada bagian keempat dan kelima akan menjelaskan terkait dengan perkembangan sistem sensor optik khususnya optocoupler dan sensor magnetik, karakteristik dan penerapannya. Pada bagian keenam, akan membahas tren perkembangan sistem sensor dan akuisisi data saat ini serta peluang di masa depan. Bagian penutup akan mengulas posisi sains instrumentasi dalam perkembangan suatu sistem sensor.

Akhirnya semoga buku ini dapat memberikan kontribusi kemajuan sistem instrumentasi di Indonesia dan menunjang

kemandirian bangsa sehingga tidak tergantung kepada peralatan-peralatan import yang sebenarnya kita sendiri mampu untuk membuatnya.

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