

CURRICULUM VITAE



JOHAN ANDOYO EFFENDI NOOR

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TERTIARY EDUCATION

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| 2000 – 2004 | PhD in Physics (Medical Biophysics), University of New South Wales, Sydney, Australia.
Thesis title: Electrical Impedance Tomography at Low Frequencies |
| 1993 – 1996 | MSc in Physics (Biophysics), University of New South Wales, Sydney, Australia
Thesis title: A Study of the Electrical Characteristics of Synthetic Membranes |
| 1983 – 1999 | BSc in Physics (Electronics and Instrumentations), Gadjah Mada University, Yogyakarta, Indonesia
Thesis title: Control System on the Reheating Furnace in the Hot Strip Mill, PT Krakatau Steel, Cilegon, West Java (in Bahasa Indonesia) |

EMPLOYMENT HISTORY

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| 2009 – now | Head of Biophysics Laboratory in the Dept. of Physics, Brawijaya University, Malang, Indonesia |
| 2008 - now | Coordinator, Division of Biophysics and Medical Physics, Dept. of Physics, Brawijaya University, Malang, Indonesia. |

2007 – now	Executive Director of the Indonesia Managing Higher Education for Relevance and Efficiency – Higher Education Implementing Unit (I-MHERE HEI-IU), Brawijaya University, Malang, Indonesia
2005 – 2007	Executive Director of the Technological and Professional Skills Development Sector Project – Sub-Project Management Unit (TPSDP-SPMU), Brawijaya University, Malang, Indonesia
2005 – now	Part time Medical Physicist at the Radiology Unit, Dr Saiful Anwar Public Hospital, Malang, Indonesia
2000 – now	Senior Lecturer in the Dept. of Physics, Brawijaya University, Malang, Indonesia
2000 – 2004	Study leave for PhD degree
1997 – 1999	Part time Medical Physicist at the Radiology Unit, Dr Saiful Anwar Public Hospital, Malang, Indonesia
1997 – 1999	Head of Biophysics Laboratory in the Dept. of Physics, Brawijaya University, Malang, Indonesia
1993 – 1996	Study leave for Masters degree
1991 – 1992	Head of Electronics Laboratory in the Dept. of Physics, Brawijaya University, Malang, Indonesia
1990 – 2000	Assistant Lecturer in the Dept. of Physics, Brawijaya University, Malang, Indonesia

MAIN DUTIES AND RESPONSIBILITIES

Assistant Lecturer	Undergraduate teaching, research, community service.
Senior Lecturer	Undergraduate teaching, research, community service.
Coordinator, Division of Biophysics and Medical Physics	Coordinating the teaching and learning in the elective field study of Biophysics and Medical Physics for undergraduate students of Dept. of Physics.
Head of Electronics Laboratory	Managing electronics workshop and lab work for 2 nd and 3 rd year students.
Head of Biophysics Laboratory	Managing Biophysics lab work for 3 rd year Biophysics class.
Part time Medical Physicist at the Radiology Unit, Dr Saiful Anwar Public Hospital, Malang, Indonesia	This is part of collaborative work between the Dept. of Physics, Brawijaya University and the Radiology Unit, Dr Saiful Anwar Public Hospital that allows us to work up to 10 hours per week. The main duties are: to calibrate and ensure that all medical instrumentations work properly, to supervise the staff in OHS measures, and to teach medical doctors undertaking Radiology

Specialist program.

Executive Director of the Technological and Professional Skills Development Sector Project – Sub-Project Management Unit (TPSDP-SPMU), Brawijaya University, Malang, Indonesia

- Officially responsible to the Rector of Brawijaya University for all TPSDP project activities.
- Planning, coordinating and managing project activities within the university.
- Liaising departmental project managements with the CPMU-DGHE (Central Project Management Unit – Directorate General of Higher Education) Jakarta.
- Empowering the departmental Executive Managers and Persons in Charge in executing the project activities.
- Ensuring that the PIC's reports comply with the CPMU guidelines.
- Coordinating with the Brawijaya University Quality Assurance Centre to undertake the monitoring and evaluation of the project.

Executive Director of the Indonesia Managing Higher Education for Relevance and Efficiency – Higher Education Implementing Unit (I-MHERE HEI-IU), Brawijaya University, Malang, Indonesia

- Officially responsible to the Rector of Brawijaya University for all I-MHERE project activities.
- Planning, coordinating and managing project activities within the university.
- Liaising departmental project managements with the DGHE-IU (Directorate General of Higher Education – Implementing Unit) Jakarta.
- Nurturing and empowering the Persons in Charge in executing the project activities.
- Ensuring that the PIC's reports comply with the DGHE-IU guidelines.
- Coordinating with the Brawijaya University Quality Assurance Centre to undertake the monitoring and evaluation of the project.

PROFESSIONAL AFFILIATION

Member, the Indonesian Physical Society (IPS)

Member, the Indonesian Medical Physics and Biophysics Association (IMPBA)

Member, the American Association of Physicists in Medicine (AAPM)

Member, the International Association of Computer Science and Information Technology (IACSIT)

RELATED EXPERIENCE

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| 2012 – now | Reviewer, Jurnal Teknologi Pertanian, Scientific Journal of the Faculty of Agricultural Technology, Brawijaya University |
| 2012– now | Reviewer, International Journal of Engineering and Sciences (IJENS) |
| 2011 – now | Reviewer, Journal of Electrical Bioimpedance |

2010 – now	Assessor, National Accreditation Board for Higher Education, Ministry of Education and Culture, Republic of Indonesia
2010 – now	Reviewer, Measurement, Journal of the International Measurement Confederation (IMEKO)
2009 – now	Reviewer, Biofisika, Journal of the Indonesian Medical Physics and Biophysics Association
2007 – now	Reviewer, Natural B, Scientific Journal of the Faculty of Mathematics and Natural Sciences, Brawijaya University
2006 – now	Member of National Competitive Grant Reviewer of the Council for Higher Education, Directorate General of Higher Education, Ministry of National Education, Republic of Indonesia
2005 – 2007	Chief Editor, Natural, Scientific Journal of the Faculty of Mathematics and Natural Sciences, Brawijaya University
2001 – 2004	Coordinator for the Indonesian Open University Teaching Activities (in Sydney)

SELECTED PUBLICATION

Scientific Journals:

Johan A.E. Noor and Eko Pujadi. (2012). *A Survey of Natural Occurring Radionuclides and Particle Concentrations from Erupting Mount Bromo in East Java, Indonesia*. Int. J. Basic Appl. Sci. 12(3).

Johan A.E. Noor, Janette M. Atkinson, Thomas Greig, Benjamin C.C. Khoo and Roger I. Price. (2012). *Estimation of the k Value for Head CT Using ICRP 103 Tissue Weighting Factors*. Physica Medica (submitted).

Scientific Conference Proceedings:

Johan A.E. Noor. (2012). *Current Advances in CT Imaging*, Basic Science International Conference (BaSIC) 2012, Universitas Brawijaya, Malang, 24-25 February 2012.

Johan A.E. Noor. (2011). *Electrical Impedance Tomography: The Effect of Voltage-Sensing Electrode Positions on The Electrical Impedance of a Square Chamber System*, 2011 National Seminar on Physics, Puspiptek LIPI, Jakarta, 11-12 July 2011

Johan A.E. Noor. (2011). *National Diagnostic Dose Reference Levels (DRLs) for Computed Tomography Examinations*, International Conference on Medical Physics in Radiation Oncology and Imaging (ICMPROI-2011), Dhaka, Bangladesh, 11 – 13 March 2011.

Johan A.E. Noor, Uni Retnawati, Bunawas and Unggul P. Juswono. (2010). *Determination of Po-210 Concentration in Cigarette Smoke Using CR-39 Detector*, 8th South-East Asian Congress of Medical Physics 2010, Bandung, 10 -13 December 2010.

Johan A.E. Noor, Unggul P. Juswono, Henty E. Palupi, Liska U. Agustyan and Indrastuti Normahayu. (2010). *National Dose Reference Level for Head CT in Indonesia: the Beginning*, 10th Asia-Oceania Congress of Medical Physics, Taipei, Taiwan, 15-17 October 2010.

Johan A.E. Noor, Nilawati K. Anthony, dan Unggul P. Juswono. (2010). *Bioremediasi Pb(II) dalam Limbah Cair oleh Activated Eichhornia Carbon (AEC): Studi Penyerapan dengan Metode Potensiometri*, Seminar Nasional Fisika 2, Universitas Airlangga, 17 July 2010.

Johan A.E. Noor. (2010). *Diagnostic Dose Reference Levels (LDRLs): Sebuah parameter penting untuk keselamatan dan keamanan pasien*, 7th Basic Science National Seminar, FMIPA, Universitas Brawijaya, 20 February 2010.

Johan A.E. Noor, Hans G.L. Coster, and Terry. C. Chilcott. (2009). *Prospect of Utilising Low Frequency Electrical Impedance Tomography (EIT) for Cancer Diagnosis*, International Conference on Medical Physics, Radiation Protection and Radiobiology (ICMPRR-2K9) & 14th Annual convention of Northern Chapter of Association of Medical Physicists of India, Jaipur, India, 11 – 13 February 2009.

Johan A E Noor, Unggul P. Juswono, and Airin Nurwidyastuty. (2008). *A Simple Treatment Planning System for Cancer Therapy*, 8th Asia Oceania Congress of Medical Physics & 6th South-East Asian Congress of Medical Physics, Ho Chi Minh City, Vietnam, 29 October – 1 November 2008.

Johan A. E. Noor. (2008). *Rekonstruksi Citra dalam Electrical Impedance Tomography (EIT)*, 5th Basic Science National Seminar, FMIPA, Universitas Brawijaya, February 2008.

Book:

Johan A. E. Noor, *Electrical Impedance Tomography: A Low Frequency Approach*, Lambert Academic Publishing, Saarbrücken, Germany, 2010. ISBN 978-3838340944
