

CURRICULUMVITAE and LIST OF PUBLICATIONS**1. Curriculum Vitae**

Name and Title: **Dr. Ir. H. Rhiza S. Sadjad, M.S.E.E**
Place and Date of Birth: **Bogor, September 6, 1957**
NIP: **131122063**
Rank: **III/c (since October 1987), Lektor (since March 2000)**
Home Address: Perumahan UNHAS Blok H-15 Tamalanrea
 MAKASSAR 90245 Phone: (0411) 585-680
Office Address: Jurusan Teknik Elektro Fakultas Teknik UNHAS
 Kampus UNHAS Tamalanrea MAKASSAR 90245
 INDONESIA
 Phone/Fax: (0411) 588-111
Internet Address: E-mail: rhiza@unhas.ac.id
 URL: <http://www.unhas.ac.id/rhiza/>
Membership of Professional Association: **Founding Member,**
 Indonesian Control System Society
(MASDALI)
Current Positions at Hasanuddin University Makassar:
 ♦ **Lecturer**, Dept. of Electrical Engineering, Fac. of Engineering
 ♦ **Lecturer**, Graduate Programs:
 ♦ Engineering Science Doctoral (S3) Program, Fac. of Engineering
 ♦ Electrical Engineering Masters (S2) Program, Fac. of Engineering
 ♦ Communication Science Masters (S2) Program, Fac. of Social and
 Political Sciences
 ♦ **Head**, Control Systems and Instrumentation Lab., Dept. of Electrical
 Engineering, Fac. of Engineering
 ♦ **Chairman**, Computer, Control and Electronics Sub-study Program, Dept. of
 Electrical Engineering, Fac. of Engineering
 ♦ **Deputy Head**, Information and Communication Technology Center

Educational Background

No.	Department/University	Degree	Year	Field of Study
1.	Dept. of Electrical Engineering, Fac. of Industrial Technology, Bandung Institute of Technology (ITB), Bandung INDONESIA	Sarjana Teknik (Ir.)	1981	Electronics and Control Systems
2.	Dept. of Electrical and Computer Engineering, University of Wisconsin-Madison, WI USA	Masters of Science in Electrical Engineering (M.S.E.E.)	1989	Automatic Control Systems
3.	Dept. of Electrical and Computer Engineering, University of Wisconsin-Madison, WI USA	Doctor of Philosophy (Ph.D.)	1994	Automatic Control Systems

Research Experience

Research Projects	Year
"Electrical Power Demand Forecast in South Sulawesi", PLN and LPPM UNHAS	1996-1997
"External Plan DIVRE VII, Customers Satisfaction Survey (CSS) and Geographical Information System (GIS)", PT. TELKOM and LP UNHAS	1996-1997
"Laboratory Scale Modelling and Design of the SCADA for the South and South-East Sulawesi Electrical Power System", RUT VI, LIPI	1998-1999
"Adaptive Controller for Non-Linear Plants", TPSDP Research Grant	2003-2004
"Intelligent System Design for Mechatronic System Application", TPSDP Research Grant	2004-2005

Teaching Experience (since 1995 only)

Course Title	Study Program/Degree	Semester	
		Odd	Even
Multi-media, Theory and Application **)	Mass & Devl. Comm./S3		✓
Philosophy of Science and Technology ***)	Engineering Science/S3	✓	
Modelling and Optimization ***)	Engineering Science/S3		✓
Human and Computer Interaction *)	Informatic Engr./S1-D3	✓	✓
Internet Communication ***)	Electrical Engineering/S2		✓
Signal and System Analysis ***)	Electrical Engineering/S2	✓	
Numerical Methods and Modelling	Electrical Engineering/S2	✓	
Information & Communication Technology	Mass & Devl. Comm./S2		✓
Educational Communication Technology **)	Educational Comm./S2	✓	
Electric Motor Control System Modelling	Electrical Engineering/S2		✓
Optimization Methods for Electrical Power Systems	Electrical Engineering/S2	✓	
Basic Control Systems	Electrical Engineering/S1	✓	
Linear Systems	Electrical Engineering/S1	✓	
Electronic Systems Design	Electrical Engineering/S1	✓	
Control Systems	Electrical Engineering/S1		✓
Industrial Electronics	Electrical Engineering/S1		✓
Digital Control Systems	Electrical Engineering/S1	✓	

Optimal Control Systems	Electrical Engineering/S1	✓	
Numerical Modelling and Simulation	Electrical Engineering/S1	✓	
Analog Modelling and Simulation	Electrical Engineering/S1		✓
Industrial Robotics	Electrical Engineering/S1		✓
Control Systems Design	Electrical Engineering/S1		✓
Special Topics in Control Engineering	Electrical Engineering/S1	✓	✓

*) quit in 2001 **) in 2002-2003 ***) in 2004-2005

S1=Bachelor S2=Masters S3=Doctorate D3=3 year Professional Diploma

Professional Experience

1981-1983	<i>Lecturer</i> , Faculty of Electrical Engineering, Satya Wacana Christian University, SALATIGA
1983-now	<i>Lecturer</i> , Dept. of Electrical Engineering, Fac. of Engineering, Hasanuddin University, MAKASSAR
1984-1986	<i>Technician</i> , Distance Education System via Satellite (SISDIKSAT), Eastern Indonesian Universities Association (BKS-PTN-INTIM), Central Office, MAKASSAR
1995-now	<i>Lecturer</i> , several Private Universities and Colleges in MAKASSAR and vicinity
1996-2003	Hasanuddin University <i>Local Coordinator</i> , SISDIKSAT BKS-PTN-INTIM, MAKASSAR
1997-now	<i>Head</i> , Control Systems and Instrumentation Lab., Dept. of Electrical Engineering, Fac. of Engineering, Hasanuddin University, MAKASSAR
1997-now	<i>Lecturer</i> , Hasanuddin University Graduate Programs, MAKASSAR
1999-2003	<i>Head</i> , Hasanuddin University Research Center's Division of Information, Computer and Science & Technology Dissemination, MAKASSAR
2000-2002	<i>Chairman</i> , Task Force for the Preparation of ADB-assisted TPSDP Self Evaluation Report and Sub-Project Proposal, Hasanuddin University Electrical Engineering Study Program
2002-2004	<i>Project Coordinator</i> , ADB-assisted TPSD Sector Project, Batch II, Electrical Engineering Study Program Hasanuddin University
2002-2003	<i>Technical Assistant</i> , DUE-Like Project, Civil Engineering Study Program, Fac. of Engineering, Tadulako University, Palu
2004	<i>Technical Assistant</i> , ADB-assisted TPSD Sector Project, Batch III, Electronic Engineering Study Program, Makassar State University
2002-2003	<i>Chairman</i> , Department of Electrical Engineering, Faculty of Engineering, Hasanuddin University, Makassar, INDONESIA
1988-1994	<i>US Procurement Representative</i> , PT. Compact Microwave Indonesia (CMI), BANDUNG
1994-1995	<i>System Engineer</i> , PT. Compact Microwave Indonesia (CMI),

BANDUNG
1988-1992 *Foreign Correspondent (US)*, WARTA EKONOMI Weekly Magazine,
JAKARTA

Participation in International Events:

- *"The IEEE International Conference on Systems Engineering"*, Dayton, Ohio, USA, August 24-26, 1989.
- Short Course on *"Battery Technology for Product Design"*, University of Wisconsin, College of Engineering, Dept. of Engineering Professional Development, Madison, Wisconsin, May 20-21, 1996.
- *"First International Forum on Advanced Satellite Communications in the Asia-Pacific Region"*, NASDA, Tokyo, Japan, October 25-26,

2. List of Publications

Academic

- Doctoral Dissertation:
"Sampled-Data Control Systems with Varying Sampling-Rate", University of Wisconsin, Madison, WI, U.S.A., 1994
- Masters Thesis:
"Addition of Sampler, Zero Order Hold and Digital Compensator to the Existing Linear Control Systems Simulation (LCSS) Program", University of Wisconsin, Madison, WI, U.S.A., 1989

Recent Publications and Presented Papers

Sadjad, Rhiza S., *"Ohm's Law with Temperature Correction in a Case of Alternating Current (AC) Circuit with a Resistive Load"*, Jurnal Ilmiah "JETC" ISSN:1829-7021, Vol. 2 No. 2 Juni 2008.

Sadjad, Rhiza S. *"Membangun Sistem Informasi Berbasis Jaringan Komputer"*, Jurnal Penelitian Komunikasi dan Media Massa ISSN:1411-0385, Vol. 10 No. 17, Juni 2007.

Sadjad, Rhiza S. *"The Eigenvalue Multiplicity Problem in the Pole-Placement Method of State-Variable Feedback Control Design"* Jurnal Ilmiah "Elektrikal Enjiniring" ISSN: 1412-8357 Vol.04 No. 03 Sep-Des 2006

Sollu, Tan Suryani and Rhiza S. **Sadjad**, *"Rancangan Awal Implementasi Distributed Queue Dual Bus (DQDB) pada Jaringan Area Kampus Universitas Hasanuddin"*, Jurnal INTEK (accredited), ISSN: 0653 - 1597, Tahun ke-14, No. 1 Feb. 2008.

Samman Faizal A., Ruslan, Syafrida and Rhiza S. **Sadjad**, *"Implementasi Kendali Adaptif Model Acuan Berbasis Metode Gradien dalam Rangkaian Elektronika Analog"*, Jurnal INTEK (accredited), ISSN: 0653 - 1597, Tahun ke-10, No. 2, Juni 2004.

Samman Faizal A. and Rhiza S. **Sadjad**, *"Reconfigurable Analog Fuzzy Controller Design, Part 1: Fuzzifier Circuit"*, The Third International Seminar on Intelligent Technology and Its Application (SITIA), Surabaya, Indonesia, May 7 2002.

Samman Faizal A. and Rhiza S. **Sadjad** “*Reconfigurable Analog Fuzzy Controller Design, Part 2: Fuzzy Inference Circuit*”, The Third International Seminar on Intelligent Technology and Its Application (SITIA), Surabaya, Indonesia, May 7 2002.

Samman Faizal A. and Rhiza S. **Sadjad** “*Reconfigurable Analog Fuzzy Controller Design, Part 1: Defuzzifier Circuit*”, The Third International Seminar on Intelligent Technology and Its Application (SITIA), Surabaya, Indonesia, May 7 2002.

Samman Faizal A. and Rhiza S. **Sadjad** “*Analog Fuzzy Controller Circuit Design for Control Application*”, The Fourth Asian Control Conference (ASCC) in affiliation with International Federation of Automatic Control (IFAC), Singapore, September 25-27, 2002.

Samman Faizal A. and Rhiza S. **Sadjad** “*Analog MOS-Circuit Design for Reconfigurable Fuzzy Logic Controller*”, The IEEE Asia Pacific Conference on Circuits and Systems (APCCAS), Singapore, December 16-18, 2002.

Samman Faizal A., Rhiza S. **Sadjad** and Eniman Y. **Syamsuddin** “*The Reconfigurable Membership Function Circuit Using Analog Bipolar Electronics*”, The IEEE Asia Pacific Conference on Circuits and Systems (APCCAS), Singapore, December 16-18, 2002.

Samman Faizal A. and Rhiza S. **Sadjad** “*Reconfigurable Analog Fuzzy Logic Controller Design Using CMOS Integrated Circuit Technology*”, Majalah Ilmiah TEKNIK ELEKTRO Vol. 9, No. 1, April 2003, Departemen Teknik Elektro FTI, ITB, Bandung.

Other Publications

- *Technical Manuals, Operating Manual, Training-Guide, Technical Reports and Papers* on the Distance Education System via Satellite (SISDIKSAT), Eastern Indonesian Universities Association (BKS-PTN-INTIM), 1983-1986, 1994-2003.
- *Papers* on Control Systems theory and Control Engineering curriculum development presented on several seminars, conferences and workshops, since 1994
- *Technical Manuals, Product Directory, Training Guides, etc.*, PT. Compact Microwave Indonesia (CMI), Bandung, 1994-1995
- *Popular articles and columns* published by campus, local dan national newspapers and magazines especially on the issues of Engineering Education and Electronic Industries, 1982-1990
- *Papers*, presented in several Workshops, Symposiums, Conferences, etc., held by the Indonesian Students Association in the USA (PERMIAS), 1987-1992.
- *Papers, Talks and Presentations* on Computer Networking and the INTERNET presented in several Workshops, Symposiums, Conferences, etc. in MAKASSAR and vicinity, since 1995.
- *Scientific Papers in Control Engineering*, presented in several national and international seminars held by professional associations, 2000-2002.

Makassar, February 15, 2009

(Dr. Ir. H. Rhiza S. Sadjad, M.S.E.E)