

CURRICULUM VITAE

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PERSONAL PARTICULARS



- NAME** : Erie Soedarmo
- PLACE/DATE OF BIRTH** : Jakarta / 12 September 1955
- SEX** : Male
- ADDRESS** : Jalan Pinang Perak Blok UQ
No. 80. Jakarta 12310.
- NATIONALITY** : Indonesian
- QUALIFICATIONS** : - Ph.D from The University of New South Wales
Sydney (1996)
- Master of Engineering from The University of
New South Wales, Sydney (1992)
- Bachelor of Engineering AKAMIGAS (1978)
- AFFILIATIONS** : - Society of Petroleum Engineers -SPE
- Indonesian Petroleum Association – IPA
- Ikatan Ahli Teknik Perminyakan Indonesia
(Society of Indonesian Petroleum Engineers) -IATMI
- CURRENT EMPLOYMENT** : - Senior Research Fellow at University of Indonesia
Centre for Energy Studies (PEUI)
- Senior Advisors to several Oil & Gas Companies
- LAST EMPLOYMENT** : Director of Petroleum fuel Regulatory Affairs in Oil and
Gas Downstream Regulatory Body (retiring March,
2012) with ranks of **Pembina Utama / IV e**
- YEARS WITH FIRM** : - 25 years with PPPTMGB “LEMIGAS
- 6 years with Directorate General of Oil and Gas
- 4 years with BPH Migas
- AREA OF EXPERTISE** : - Oil & Gas Process Design and Simulation
- Oil & Gas Reservoir Simulation & Management
- Oil and Gas policy and regulations
- LANGUAGE FLUENCY** : English (spoken and written) – Excellent
Dutch (spoken) – Fair
- PUBLICATIONS** : Five publications written in English. They are either
published or presented in international forum in the
United States and Australia. Four publications are
written in English and presented in international
forums in Indonesia. In excess of 15 publications are
written in Indonesian. The publications can be divided
into two major categories, first which relate to
development and case studies in the area of process
design and simulation and two, relate to development
of EOR (Enhance Oil Recovery) technology and

reservoir characterization. (publication materials are furnished upon request). The followings are highlights of the publications :

- Soedarmo, E., and Taggart, I.J.: "*Application of Length-Dependent Pseudo Functions in Stratified Media*," paper presented at the 13th International Workshop and Symposium of IEA Collaborative Project on Enhanced Oil Recovery, Banff, Canada, September 27-30, 1992.
- Soedarmo, E., Taggart, I.J., and Paterson, L.: "*Length-Dependent Pseudo-Function: An Improved Up-Scaling Method in Black Oil Simulation*," paper SPE 28754, presented at the 4th SPE Asia Pacific Oil&Gas conference, Melbourne, November 7-10, 1994.
- Taggart, I.J., and Soedarmo, E.: "**An Argument for Length-Dependent Pseudo Functions**," *In Situ* (March 1994) 18, 1-42 .
- Taggart, I.J., Soedarmo, E., and Paterson, L.: "*Limitations in The Use of Pseudofunctions for Up-Scaling Reservoir Simulation Models*," paper SPE 29126, presented at the 13th Symposium on Reservoir Simulation of SPE, San Antonio, Texas, February 12-15, 1995.
- Soedarmo, E., Rahman, M., Pardede, R., Yunus, R.: "*Physical Behaviour Affecting Oil Losses in Surface Facilities*," paper IPA 98-49, presented at the 26th convention of the Indonesian Petroleum Association, Jakarta, Indonesia May 1998.
- Wong, P.M., Tunggal, Widarsono, B., Soedarmo, E. : "*Use of Artificial Neural Networks To Estimate Well Permeability Profiles in South Sumatra Fields, Indonesia*," paper presented at the 27th convention of the Indonesian Petroleum Association, Jakarta, Indonesia, October 19-21, 1999.
- See attachment for other publications

ORGANIZATION AND POSITION RECORD

NO.	TITLE OF POSITION	ORGANIZATION DESCRIPTION	PERIOD OF ASSIGNMENT	NAME OF FIRM
1.	Director	Oil and Gas Regulatory Body	2007 - 2012	BPHMIGAS
2.	Director	Directorate of Downstream Oil and Gas Business Development	2003 - 2007	MIGAS
3.	Head	Sub Directorate of Oil and Gas Standardization.	June 2002 – present	MIGAS
3.	Head	Down Stream Division of Secretary General of Government Commissioners Board for PERTAMINA.	2001 – present	PERTAMINA
4.	Team Member	Working Group (POKJA) Downstream Government Commissioners Board for PERTAMINA	2001 – present	PERTAMINA
5.	Gas Technology Development Unit Coordinator	Gas Technology Development Unit (GTUD) was established using. The World Bank loan amounting to USD 10,000,000,-. The loan furnished gas technology equipments as well as education and training for 40 graduates (S1 and S2). The Coordinator is responsible to manage and develop further the facility (equipments and the 40 graduates) towards promoting and supporting the gas industry in Indonesia.	1999 – 2002	Lemigas
6.	The Pertamina Board of Commissioner's (DKPP) Team for Tangguh LNG Project	The Team was established by the Minister of Mines and Energy (MME) in 1999 to enhance the Commissioner' supervising role on the implementation of the Pertamina-Arco Tangguh LNG Project. The Secretary is responsible in organizing the Teams activities in order to achieve the designated target. Members of the Team are enlisted from Migas, Lemigas, BPP Teknologi, Wasbangpang and Irjenbang.	1999 – 2000	The Government Board of Commissioner for Pertamina (DKPP)

NO.	TITLE OF POSITION	ORGANIZATION DESCRIPTION	PERIOD OF ASSIGNMENT	NAME OF FIRM
7.	Secretary for the Minister Mines and Energy's (MME) Reform task Force in Oil and Gas Sector (Satgas Reformasi Departemen Pertambangan dan Energy)	The Task Force was established by the MME to assist him in creating and monitoring reform programs within the ministry. The Team members were carefully selected from various working units of the Ministry. There are around 40 post graduates selected, whose age are below 45 years old.	1997-1999	The Minister of Mines and Energy
8.	Deputy Executive Officer (Deputy Pelaksana Harian)	A joint business operating body comprising of Lemigas and PT. Surveyor Indonesia (PTSI)-a BUMN company, combines the field of experience, expertise and facilities of the two entities in an effort to assist Lemigas in sustaining its role and competence in the research and development of oil and gas technology using less financial support from the Government. The Deputy stands as the representative of Lemigas and together with the Executive Officer (representative of PTSI) define and formulate business development, strategy and support for the joint institution.	1998 – 2002	Lemigas and PT. Surveyor Indonesia
9.	Chairman of Process Modelling Research Group (Ketua Kelompok Peneliti Pemodelan Proses)	A Research Group under the Process Division of Lemigas whose objective is to promote and develop local competence and expertise in process technology in oil and gas industry. The oil and gas industry has managed to produce qualified people in the hardware end (detail engineering and manufacturing), but fails to develop and nurture local personnel in the brainware end (conceptual and front end design). The Chairman of the Group is responsible for creating local expertise, hence closing the gap of knowledge and experience between local and international expert in the oil and gas industry.	1996 – 1999	Lemigas

Working Eperience Record :

No.	Period of Assignment	Works Experience/Project Title	Title of Positions Held	Job Description	Location/ Country
1	2003 - present	Indonesian Crude Oil Pricing Team	Member	Formulating Indonesian crude oil price with related government institutions	Migas
2	April 19980 September 1999	Domestic Gas Policy White Paper Team	Member of team	To work together With other member in the Minister of Mines and Energy Domestic Gas Policy team to formulate gas policy in the un-bundling of the domestic gas business in Indonesia	Jakarta – Indoneaia
3	May 1998 – June 1998	Bontang Condensate Return Fluid Properties	Sr. Process Engineer	To use simulation tools and laboratory analysis in determining the physical status of Bontang Condensate return due to arguments on whether the condensate is regarded as part of gas split (70/30) orliquid split (85/15).	Bontang East Kalimantan
4	July 1999 – Sept. 1999	Process Review of LNG plant-GAPPENRI	Sr. Process Engineer	Process and financial review of Bontang LNG plant Train G and H.	Jakarta – Indonesia
5	January 1998 – December 1999	Engineering audit for Poleng Reactivation Project – PT KODECO	Team Leader	Leading a team of 20 engineers in data collection, technical, financial, and project analysis for EPC of the project	Jakarta – Indonesia
6	January 1996 – August 1997	Oil Losses Custody, Transfer-PERTAMINA- JOB-TAC, Prabumulih Field	Team leader	Determining the amount of oil-losses and cause of oil losses in custody transfer between Pertamina and its joint partners in Prabumulih. This is required to settle share of operating costs between partners. The team consists of 15 engineers and 20 surveyors/operators.	Jakarta – Indonesia
7	March 1996	Indonesia-Norway Technology Cooperation	BPPT	Oil and Gas Expert	Jakarta – Indonesia

8	March 1993 - June 1994	Formation Evaluation/West Australian Petroleum Co.Ltd.	Reservoir Engineer	Model Reservoir Simulation blocks Based on Lithofacies as Predicated from genetic characterization Carnarvon Basin	Sydney, Pert-Australia
9.	June 1991- April 1992	Formation Evaluation/West Australian Petroleum Co.Ltd.	Reservoir Engineer	Build analytical Waterflood Simulator to describe K, ϕ different witelog interpretations of the reservoir during a waterflood- Barrow Island	Sydney-Australia
10	March 1989- November 1989	Process Design/ Petromer Trend Co. Ltd.	Consultant/ Process Engineer	Appraise Proposed Design of Conferting De-Ehanizer to LPG unit	Jakarta, Sorong- Indonesia, Houston-USA
11	5 July 1988- July 1989	Process Design/ Kodeco Energy Co.Ltd.	Process Engineer	.Appraise/Redesign Proposed Process Design of KE-5 Off-shore and Onshore surface Facilities	Jakarta – Indonesia
12	January 1988- July 1988	Process Design/Inoco	Process Engineer	Surface Facilities and LPG Plant Design for Small Gas Reservoir in Central and East Java	Jakarta –Indonesia
13	September 1986- November- 1986	Simulator Design/ Geothermal Energy New Zealand Co. Ltd. & DIGITAL Corp. NZ	System Analyst/ Computer Programmer	Interfacing Programs of Reservoir Simulation, Database of Reservoir fluid/rock properties and Design of Input Processors	Auckland-New Zealand
14	July 1985- July 1986	Duri Steam Flood Project/P.T. Calltex Pacific Indonesia	Process Engineer/ Computer Programmer	Pipeline design, build 2-phase pipeline calculation interfacing reservoir and surface points and study options of fuel alternative for the steam flood	Jakarta – Indonesia
16	August 2000 - March 2001	Indonesian Natural Gas Development/ Procurement Plan	Project Coordinator	Concerned with Investment Opportunities in the Downstream natural Gas sector	Jakarta - Indonesia
17	June 2000 - September 2000	Verification of Fuel Oil in Industry Sector	Project Coordinator	Analysis on Verification of Fuel Oil	
18	April - Mei 2001	Study on Supply of LNG to Java	Project Coordinator	Feasibility Study for LNG Regassification Project on Supply Demand to Java	Java

ATTACHMENT PUBLICATIONS AND TRAINING

No.	TITLE	REMARKS
1	Aplikasi Simulator Proses Dalam Pengilangan Minyak Bumi	Seminar Simulasi Sistem dengan Komputer: Penggunaannya dibidang Industri. Institut Teknologi Bandung, 30 Juni – Juli 1987, Penulis Pembantu
2	Application of Process Simulation Software in Process Design as Viewed by The User	Disajikan dalam PIRUSA 89, CAD/CAE for Improved Productivity, Tutorial. Presentation and Exhibition, Jakarta, June 6-9, 1989. Penulis Pembantu
3	Persamaan Keadaan Untuk Perhitungan Kestimbangan Fasa Aplikasinya Pada Gas Alam Dengan Komputer	Diskusi Ilmiah VI 8-9 Pebruari 1989. Penulis Utama
4	Penelitian Pembuatan Bahan Bakar Patrabet Dari Minyak Bakar Cilacap Dengan Batubara Ombilin dan Bukit Asam	Diskusi Ilmiah IV, Jakarta 7-9 September 1982, Penulis Pembantu
5	Model Hubungan Kestabilan Patrabet (COM) Dengan Proses Pembuatannya	Diskusi Ilmiah IV, Jakarta 7-9 September 1982, Penulis Pembantu
6	An Argument for Length-Dependent Pseudo Functions	Publikasi Ilmiah <i>In Situ</i> , Copyright © 1994 by Marcel Dekker, Inc., Penulis Pembantu
7	Pengaruh Kadar Air Dan Energi Pencampuran Terhadap Mutu Patrabet Yang Dihasilkan	Prosiding Diskusi Ilmiah V Beberapa Hasil Karya PPPTMGB "LEMIGAS". Jakarta, 24-25 April 1984, Penulis Pembantu.
8	Length-Dependent Pseudofunctions: An Improved Up-scaling Method in Black Oil Simulation	Proceedings Society of Petroleum Engineering Asia Pasific Oil & Gas Conference Melbourne, Australia, 7-10 November 1994. Penulis Utama (SPE 28754)
9	Limitations in The Use of Pseudofunctions For Up-scaling Reservoir Simulation Models	Proceedings Society of Petroleum Engineering Symposium on Reservoir Simulation Held in San Antonio, TX, U.S.A., 12-15 February 1995. Penulis Pembantu (SPE 29126)

No.	TITLE	REMARKS
10	Physical Behavior Affecting Oil Losses in Surface Facilities	Proceedings, Indonesian Petroleum Association, Twenty-Sixth Annual Convention, May 1998. Penulis Utama
11	The Use of Pseudofuncations in The Up-scaling of Reservoir Simulation Models	Proceedings, Indonesian Petroleum Association, Twenty-Fifth Silver Anniversary Conventions, October 1996. Penulis Utama
12	Pemodelan Dan Simulasi Plan Metanol – Sebuah Studi Kasus	Proceeding of FTUI Seminar 98 Quality in Research, 04-07 Agustus 1998. Penulis Pembantu
13	Technical Aspect of Gas Condensate-A Case Study	Proceeding of FTUI Seminar 98 Quality in Research, 04-07 Agustus 1998. Penulis Utama
14	Alternatif Proses Pencarian CO ₂ Untuk Berbagai Kondisi Operasi	Prosiding Seminar Nasional Fundamental dan Aplikasi Teknik Kimia 1998, Surabaya, 25-26 Nopember 1998. Penulis Pembantu
15	Optimization of Multicomponent Refrigerant in The Production of LNG Using Process Simulation	Proceedings The 3 rd International Symposium on Advanced and Aerospace Science & Technology in Indonesia, August 31-September 3, 1998. Penulis Pembantu
16	Optimation of heat Exchanger Network of A Hydrocracker Unit	Proceedings, ASCOPE '97 Conference, 24-27 November 1997. Penulis Pembantu
17	An Overview Computer Applications in The Indonesian Oil and Gas Industry	Workshop on Joint Postgraduate Programme, Jakarta, 25 March 1997. Penulis Pembantu
18	Use of Artificial Neural Networks to Estimate Well Permeability Profiles in Sumatera Indonesia	Proceeding, Indonesian Petroleum Association, Twenty Seventh Annual Convention & Exhibition, October 1999. Penulis Pembantu
19	The Distribution System and Cost/Price Level For The Domestic Market in Indonesia, Can LNG Compete ?	Proceeding Seminar on Small and Medium Scale LNG Supply Chains for Domestic Use of Natural Gas in Indonesia and Norway, Jakarta 7-8 November 2000. Penulis Pembantu.
20	Peranan Software Pada Era Global dan Perkembangan Aplikasinya di Bidang Teknik Kimia	Prosiding Seminar Chemical Engineering Software, KMTK FT Universitas Gajah Mada, Yogyakarta, 25 Oktober 2001. Penulis Utama.
21	Karakteristik Bahan Bakar Patrabat (COM) dan Coal-Water Mixture (CWM) dari Batubara Kalimantan Timur dan Crude Oil Duri	Laporan Riset No.LR.653. Disampaikan kepada Direktorat Jenderal Migas, Juni 1985

No.	TITLE	REMARKS
22	Perkembangan Penelitian Bahan Bakar Campuran Batubara Dengan Minyak Bakar Di Lemigas	Laporan Riset No.LR.649, disampaikan kepada Direktur Jenderal Migas, Juni 1985
23	Pendidikan Formal	Doktor Dibidang Petroleum Engineering, UNSW 1997.
24	Training in Alternative Energy Technologies	Training Program dari University of Florida & USAID, Agustus – Desember 1982.
25	Seminar Simulasi Sistem dengan Komputer, ITB Bandung, 30 Juni-1 Juli 1987.	
26	Temu Karya Peringatan 100 Tahun Usaha Pertambangan Migas di Indonesia, Jakarta 14-17 Oktober 1985.	
27	Seminar Aplikasi Simulasi Proses Jurusan Teknik Kimia Institut Teknologi Kimia, Jakarta, 29 Juni 1990.	
28	Seminar Organic Matter for Petroleum Engineers, APCRC-CSIRO Australia, 18 April 1994.	
29	Seminar The Role of Formation Evaluation in Reservoir Management: An Integrated Approach, University of New South Wales 14-15 Juli 1994.	
30	Seminar Management of Development and Operations of Gas Pipeline Systems, Jakarta, 28 Maret 2000.	
31	Panitia Khusus Penelitian, Pelaksanaan Serta Pelatihan Based Approach-RBA, SK Dir. Jend. No. 22.K/68/DJM.S/2000.	
32	Deputi Manajer Eksekutif Teknogas pada Tim Mutu, SK No. 08.K/09/DML/2001.	
33	Manajer Eksekutif Tim Penelitian, Pengujian dan Sertifikasi Pipa Polyethylene untuk Distribusi Gas Bumi, SK No. 28.K/06/DML/1999.	
34	Tim Koordinasi Pelaksanaan Evaluasi Mutu Minyak dan Gas Bumi, SK No. 31.K/702/DJM/2000.	

No.	TITLE	REMARKS
35	Pengarah Pelaksanaan Seminar Small and Medium Scale LNG Supply Chains for Domestic Use of Natural Gas in Indonesia and Norway, SK No. 87A.K/68/DML/2000.	
36	Koordinator Sub Tim Teknologi Komputasi pada Forum Komunikasi Teknologi Pengolahan Minyak dan Gas Bumi, SK No. 01.K/051/FKTPM/1997.	
37	Pengajar Dalam Workshop Simulasi Proses yang diselenggarakan di Jakarta, 23-27 Agustus 1999	
38	Application of In-House Process Simulation Software on LNG Plant	Proceeding The 43 rd ASCOPE National Committees Meeting, Yogyakarta November, 1996
39	Program Pendidikan Reguler Angkatan (PPRA)XLI Lembaga Ketahanan Nasional Republik Indonesia Tahun 2008, Jakarta 22 Januari 2008 – 26 September 2008.	