

Curriculum Vitae
Dr. Herman Darnel Ibrahim
Member of Indonesian Energy Council and Ex
Ditector of Transmission and Distribution of
PLN the State Electricity Corporation

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Curriculum Vitae

1. Personal Data

Name : Herman Darnel Ibrahim [Dr. Ir. M.Sc. MIEE]
Place of Birth : Payakumbuh, West Sumatra Province
Date of Birth : 15 April 1954, the first child of 7 brother and sister.
Office Address : Indonesian Energy Council [DEN]
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Foreign Languages : English, French



2. Professional Qualification

Chartered Engineer and Corporate Member of the Institution of Electrical Engineers [MIEE], certified by The Institution of Electrical Engineers [IEE], London, UK, 1990.

3. Formal Educations

1. **Primary until High School** in Payakumbuh, 1960-1972
2. **First Degree. Bandung Institute of Technology**, Electrical Engineering, Bandung, 1978
3. **Master Degree, University of Manchester Institute of Science and Technology [UMIST]**, Electrical Power System Analyses, Manchester, UK, 1987
4. **Doctor Degree, Bandung Institute of Technology**, Dissertation: “**A Strategy to Integrate Environmental Considerations in Power System Development Within Regulated and Competitive Power Markets**”, Bandung, 2004

4. Professional Training

1. **System Dynamic Modeling**: Organized by MIT Sloan, Boston, USA, 2001, 1 week.
2. **GE ASEAN Executive Program [Management Best Practices]**: Organized by General Electric Crotonville, New York, USA 1999, 2 weeks.
3. **Integrated Resource Planning [Generation Expansion Plan and Production Costing]**: Organized by IIE [USAID], San Francisco, USA, 1995, 3 months.

4. **Management for Engineer and Scientist:** Organized by the British Council, Sheffield, UK, 1987, 3 weeks.
5. **Design, Operation and Management of Java Control Centre :** Organized by Cogex and EDF Paris, France, 1985, 5 months.
6. **Detailed Design of Extra High Voltage System:** Organized by Merz and McLellan, New Castle UK, 1983, 9 months.
7. **Various Courses in Power System:** Organized by PLN, Singapore, Jakarta, Surabaya, 1979 -1995.
8. **Various Courses in Management, Kursus Manager Dasar [Basic Management], Kursus Manager Menengah [Middle Management], Kursus Kader Pimpinan [Top Management]:** Organized by PLN, Jakarta, 1981 -1995.
9. **Various Courses in Languages; Report Writing, Practical Writing, English For International Cooperation and French:** Organized by The British Council Jakarta, and Centre Culture Francais de Jakarta, Jakarta 1980 -1985.

5. Job Experiences

1. Indonesian Energy Council [a newly established body under Energy Law No 30/2007], **Elected Council Member** 2008-2013 representing Renewable Energy Industry.
2. The Asian Development Bank [ADB] Manila, **Senior Regional Energy Advisor** for ASEAN Grid Interconnection and Renewable Energy Development, April 2008-present.
3. The World Bank Jakarta, **Senior Energy Advisor** for Geothermal Power and Rural Electrification Development, March 2008-present.
4. The "ENERGY" Magazine, a monthly nationally published magazine on energy, **Chief of Editor Board**, January 2008-present.
5. PT PLN [Persero]: **Director of Transmission and Distribution**, Jakarta 2003 - 2008
6. PT Indonesia Power [Subsidiary of PT PLN], a Power Generation Company: **Director of System and Human Resources Development**, Jakarta 2000 – 2003.
7. PT Cogindo DayaBersama [Subsidiary of PT Indonesia Power], a Cogeneration and Distributed Generation Services Company: **President Commissioner**, Jakarta 2000 -2004.
8. PT PJB I [Subsidiary of PT PLN, in 2000 become PT Indonesia Power]: **Director of Development and Commerce**, Jakarta 1999 – 2000.
9. PT Cogindo DayaBersama [Subsidiary of PT PJB I], a Cogeneration and Distributed Generation Services Company]: **President Director**, Jakarta 1998 -1999.
10. PT PJB I [Subsidiary of PT PLN], A Power Generation Company: **Manager of Corporate Planning**, 1997-1998.
11. PT PJB I [Subsidiary of PT PLN], a Power Generation Company: **Manager of Planning and Business Development**, Jakarta 1999 -1997.
12. PT PLN [Persero] East Java Distribution Business Unit: **Deputy Regional Manager for Planning**, Surabaya 1994 -1996.

13. PT PLN [Persero] Region IV Southern Sumatera [South Sumatera Jambi, Bengkulu Lampung, and Bangka-Belitung]: **Deputy Regional Manager for Operation and Maintenance**, Palembang 1991-1994.
14. PT PLN [Persero] Region IV Southern Sumatera [South Sumatera Jambi, Bengkulu Lampung, and Bangka-Belitung]: **Manager of Tanjung Karang Branch Lampung**; Bandar Lampung 1990 -1991.
15. PT PLN [Persero] Region IV Southern Sumatera [South Sumatera Jambi, Bengkulu Lampung, and Bangka-Belitung]: **Manager of South Sumatra Load Dispatch Centre**, Palembang 1987 – 1990.
16. PT PLN [Persero] Java Inter Regional Control Centre: **Head of Planning Sub Division**, Gandul West Java 1986 -1987.
17. PT PLN [Persero] Head Office Construction Department, Sub Directorate of Network Construction: **Head of Distribution Sub Division**, Jakarta 1985 -1986.
18. PT PLN [Persero] Head Office Construction Department, Sub Directorate of Network Construction: **Head of Power System Protection Section**, Jakarta 1983 - 1985.
19. PT PLN [Persero] Head Office Construction Department, Sub Directorate of Network Construction: **Network Construction Design Engineer [Substation, Transmission, Distribution and SCADA]**, Jakarta 1979 -1983.

6. Lecturing and Research Supervising Experiences

1. Bandung Institute of Technology [ITB], **Extra ordinary Lecturer** at School of Electrical Engineering and Informatics [SEEI], Post Graduate course [Master Degree] on Power Technology and Business, 2007-present.
2. Bandung Institute of Technology [ITB], **Extra ordinary Lecturer** at School of Business and Management [SBM], Post Graduate course [Master Degree] on Energy Business Administration, 2008-present.
3. University of Indonesia and PT PLN joint education program, **Co Research Supervisor** for Master Degree Program, 1994-1996.
4. University of Sriwijaya Palembang, **Dissertation Supervisor** for PT PLN [Electrical Systems] related research projects, 1988-1994.
5. Guest Lecturer at University of Gajah Mada Jogjakarta, University of Andalas Padang, University of Muhammadiyah Bukittinggi, and The Institute Technology of Surabaya.

7. Research Interests

1. Energy Sources and Conversion;
2. Energy Efficiency and Environment;
3. Renewable Energy Development ;
4. Rural Electrification in Indonesia:
5. Power Market and Energy Pricing;

8. Papers and Articles

1. **“The Challenges in Developing Electricity Infrastructure Supporting Indonesia Economic Growth in the Future”**, an article prepared for ISEAS, Publication, Jakarta, February 2009.
2. **“PLTN, Mengapa Perlu [Nuclear Power Why Needed]”**; An article published in Investor Daily Newspaper, Jakarta July 9, 2008.
3. **“ The Rational of Nuclear Power Development in Many Countries”**, An article prepared for discussion and publication, Jakarta June 2008.
4. **“ Ada Apa Dengan Listrik Kita? [What Happened With Our Electricity] “**, An article published in Suara Pembaruan Daily Newspaper, Jakarta, June 30 2008.
5. **“Kosekwensi Tak membangun PLTN [The Consequences If There is No Nuclear Power Development in Indonesia]”**, An article published in Jurnal Indonesia Daily Newspaper, Jakarta June 12, 2008.
6. **“Indonesia’s Power Development Challenges in Supporting the Future Economic Growth: Visi 75-100 PLN and Visi 2030 Indonesia Forum”**, A speech delivered at Muhammadiyah University Inauguration Day, Padang, 21 April 2007.
7. **“The Role and the Prospects of Nuclear Power Utilization in the National Power System”**. A paper presented at Energy Diplomation Seminar on Nuclear Power Utilization in Indonesia organized by Foreign Ministry, Jakarta 13 November 2006.
8. **“The Acceleration of Coal Fired Power Plant Development in Reducing Oil Fuel Consumption and in Anticipating the Shortage of Power in 2009”**, An analyses, January 2006.
9. **“Rural Electrification Access in Vietnam: Government Policy, Management and its Successfulness”**, A paper presented in the Workshop “Electricity For All: An Alternative to Improve Access in Indonesia”, Jakarta 25 October 2005.
10. **“A Strategy to Integrate Environmental Considerations in Power System Development Within Regulated and Competitive Power Markets”**, Ph D Dissertation, ITB, Bandung, September 2004
11. **“Implementation of Competency Based Performance Evaluation Using 2P Concept in PT Indonesia Power”**, presented in 17th ASEAN Working Group Meeting on HR Development and Training, Ho Chi Minh City, Viet Nam, 29 October 2002.
12. **“The Implementation of Competency Based Human Resources Management PT. Indonesia Power”**, A National Forum for Competency Standard on Transmission and Installations, Jakarta 24 October 2002.
13. **“Investments and Tax Incentives in Power Sector: A Perspective of Business Practician”**, A One Day Seminar Ditjen LPE, Jakarta 25 July 2002.
14. **“Mapping, Formulation and Implementation of Good Corporate Governance in PT. Indonesia Power”**, ASEAN Advance Management Meeting, Jakarta, 11 June 2002
15. **“An Analysis**, presented at Annual Scientific Symposium, Indonesian Geothermal Association, Yogyakarta, 7 March 2001.
16. **“The Competency Standard for certification of Operator and Technician as Part of Application of Competency Based Human Resources Management at**

- PT. Indonesia Power**", presented at National Workshop on Competency Standard, Jakarta, 20 February 2001.
17. **"From PT. PLN PJB I to PT. Indonesia Power: The Readiness in Facing Global Market"**, presented in the Annual Meeting of General Planning Manager of Asian Power Utilities, Bali, 22 November 2000.
 18. **"Human Resources Competency Development, in PT. Indonesia Power : Why and How?"**, presented on an Interactive Discussion on Competency Development, Suralaya, 17 October 2000.
 19. **"The Geothermal Power Business in Java Bali: Trading Mechanism, Competitiveness with Fossil Fuel, And Challenges to Its Development"** [A Join paper with Ir. Firdaus Akmal and Ir.Puguh Sugiharto], presented in World Geothermal Congress [WGC] 2000, Oita Japan, June 2000.
 20. **"Geothermal Steam Price Analysis : Electricity Price Base and Oil Parity Price Base Versus Reservoir Investment"**, [A join paper with Ir. Antonius] presented in Geothermal Asia 2000 Seminar, Manila, February 2000
 21. **"The Role of Coal Fired Power Plants In The Coming Competitive Market And The Prospect of Coal Business In Indonesia "**, [A join paper with Ir, Firdaus Akmal and Ir. Wiryantono], presented in the Coal Technology Seminar 1999, Jakarta, 12 November 1999.
 22. **"The Application and Development of Cogeneration : Technical Aspects, Scheme, Economy, Prospects and Its Regulations"**, presented in Cogeneration Seminar MKI in Celebration of Technology Day, Jakarta, 11 August 1999.
 23. **"Conservation on the Supply Side through Cogeneration Application Policy"**, presented in the MKI's Workshop, Jakarta, November 1998.
 24. **"The Optimal Organization and Human Resource As a PLN's Corporate Strategy"** Group paper on Leadership Course, December 1994.
 25. **"PLN Regional as Profit Centre: Challenge, Opportunity and Strategy"**, an article wrote for PLN News Magazine, May 1994.
 26. **"The Evaluation and Development of Electrical Contractors in PLN Region IV Southern Sumatera"**, presented at Electrical Contractors Association Meeting 1992, Palembang, published in PLN News Magazine January 1993.
 27. **"An Analyses of Gas Turbine Operational Costs of PLN Region IV Southern Sumatera"** [A Join paper with Ir. Basuki Siswanto], Palembang 1994.
 28. **"An Alternative of PLN's Organizations In Facing the Second National Twenty Five Years Development Plan"**, a proposal to PLN's President Director, December 1991.
 29. **"Computer Based Operational Control of PLN's Southern Sumatera Power System"**, presented at Computer Based Control Systems Seminar, Held by ITB, Bandung , 16-18 January 1990.
 30. **"A Study of Southern Sumatera Daily Operation Characteristics 1989-1990"** [A join paper with Ir. Guruh], published in PLN News Magazinei August 1989.
 31. **"Load Shedding Techniques for Reliability Evaluation of Composite Power Systems"** M Sc Dissertation, Manchester, December 1987.

32. **“Southern Sumatera Load Dispatch Center”**, a paper presented to SCADA trainees 1985, published in PLN News Magazine July 1986.
33. **“A Computer Based System Area Control”**, an article published in PLN News Magazine, November 1984.
34. **“Operation of Java Power System”**, presented in the Extra High Voltage Training Course, New Castle, UK, April 1983.
35. **“Generation Capacity Expansion Plan of PT. Caltex Pacific Indonesia”**, First Degree Dissertation at ITB, Bandung, October 1978.

9. Professional Organizations and Activities

1. **HAPUA [Head of ASEAN Power Utilities and Authorities]**, Indonesian Country Coordinator, 2003-2008.
2. **ASEAN Power Grid Coordination Committee**: Country Utility Representative, 2007- 2008.
3. **Indonesian National Committee [KNI] of CIGRE [Council International of Large Electric Systems]**: Chairman 2005-present.
4. **Asia-Oceania Regional Council [AORC] of CIGRE**, Chairman 2008-present
5. **World Geothermal Congress 2010 Bali [WGC 2010]**: Chairman of Organizing Committee, assigned by Minister of Energy and Mineral Resources, 2006-2010.
6. **Advisory Board of Electrical Engineering and Informatics School of Institut Teknologi Bandung [ITB]**: Chairman, 2007-present.
7. **Indonesian Power Society [MKI]**, Member Of Expert Council, 2004 – present; Vice Chairman, 2001-2004; Member of Regulatory and Restructuring Studies, 1998-2001.
8. **Indonesian Geothermal Association [API]**, Member of Advisory Board, 2004 – present; President 2001-2004; Board of Director Member, 1998 - 2001.
9. **Indonesian Gas Association [IGA]**, Board of Director Member, 1999-2003.
10. **Indonesian Renewable Energy Society [METI]**, Vice Chairman of Expert Board, 2008-present, Member of Expert Board, 2004–2008, and 1999-2002
11. **Indonesian Chamber of Commerce [KADIN]**, Chairman of Department of Conventional Energy, Compartment of Energy, 1999-2004
12. **Indonesian Energy Society [MEI]**, Vice Chairman, 2002-2004

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