Curriculum Vitae	August 22, 2016
Personal information	
Surname/First name	**NABABAN, Sabar**
NIP/No KARPEG/NIDN	19710713 200003 1001 / No. J165742/0013077104
Home Address	Jl. SunanAmpel II, Blok B-12, BTN KodyaAsri, Pagesangan, Mataram, 83126, INDONESIA
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Nationality	Indonesian
Date of birth	13 July 1971
Gender	Male
Status	Married
Religion	Christian Protestant
Work experiences	
Name and address of employer	University of Mataram Faculty of Engineering, Department of Electrical Engineering, Electric Power System Engineering Laboratory Address: Jl. Majapahit 62 Mataram, NTB, Lombok, 83125 – INDONESIA.
Dates	01 March 2000 to present
Type of university	National university
Occupation or position held/major	Lecturer and Researcher Electric Power System Engineering
Main activities and responsibilities	Teaching Responsibilities: ▪ Odd Semester for undergraduate: 1. Electric Circuits II(3 hpw) 2. Calculus I (3hpw) ▪ Even Semester for undergraduate: 1. Harmonics in Power System(2 hpw) 2. Calculus II(3 hpw) 3. Electric Circuits I (3 hpw) Research Interests: • electric power quality, • distributed generation,
Education and training	
Dates Title of qualification awarded	1999 – 2001: GadjahMada University – Yogyakarta – Indonesia **M.Eng**., in Electrical Engineering, GPA: **3.52**/4.0. Sponsored by Indonesian Gov. Scholarships. Thesis title: **Passive shunt filters to reduce harmonic distortion nonlinear loads: modeling, analysis and design** (in Indonesian). Major adviser : AdhiSusanto, M.Sc., Ph.D. Co-adviser : Ir. HamzahBerahim, M.T. 1992-1998: University of Sumatera Utara, Faculty of Engineering, Medan, Indonesia **B.Eng**., in Electrical Engineering, GPA: **2.81**/4.0. Thesis title: **Study of filters design to reduce harmonic distortion in**

	electrical power distribution (in Indonesian) Major adviser : Dr. Ir. UsmanBa'afai, DEA Co-adviser : Ir. T. AhriBahriun, M.Sc.
Personal skills and competences	
Mother tongue(s)	Indonesian
Other language(s)	IELTS score = **5.0** (Listening =4.5, Reading = 5.0, Writing = 5.5, Speaking = 5.5). Test date: 21 August 2010.
Computer skills and competences	MATLAB, ETAP 6.0
Additional information Training/Giving of Excercise	Juni–Sept, 1997: Training in Electric Power Transmission and Distribution Substation (500 kV/20 kV), at PT. PLN Wilayah II Glugur, Medan, Indonesia. 19-29 Juni 2002: Exercise/workshop for Translator Candidate of Hand Book for Higher Education 22-25 October 2009: Workshop on International Scientific Paper Writing, Makassar Golden Hotel, Makassar.
Scholarships awarded	• Supersemar Scholarships from Soeharto President for Junior High Schools (1985-1987) • Engineering Education Development Project Scholarships from Directorate General Higher of Education (DGHE) of Indonesia for Master Study at GadjahMada University (1999-2001)
Research Grant awarded	✓Januari–Juni 2006: DGHE Research Grant for Young Researchers: **Sabar Nababan** and Agung Budi Muljono, Titled: **Passive filters for improving power factor and reducing 3rd current harmonics of Fluorescent Lamp**. ✓Januari–Juni 2007: DGHE Research Grant for Young Researchers: **Sabar Nababan** and I Ketut Wiryajati Titled: **Mathematics modeling of voltage reducing at very long distribution feeder.** ✓Januari–Juni 2008: DGHE Research Grant for Young Researchers: **Sabar Nababan** and Muhamad Firad Titled:**Evaluation of dc-dc converter topology for improving performance of small wind turbine battery charger**. ✓August–November 2014: PNBP Research Grant **Sabar Nababan**, Supriyatna, and Abdul Natsir Titled:**Modeling and Simulation of Harmonics in Power System.**
Project Professional	Member of Team in Project (2007): "**MASTER PLAN SISTEM DISTRIBUSI 20 kV KELISTRIKAN LOMBOK (2006-2015): MenyokongSistemTransmisi 150kV danPembangkit 2 x 25 MW PLTU at TelukEndokMataram in 2008"** Scope of the work were: load forecasting study, voltage stability study, power flow study, short circuit study, evaluation and coordination of relay protection and system grounding, losses evaluation and prediction, reconducting and reconfiguration, feeder manufer, additional feeder and substation study, study of protection coordination for 150kV transmission system will be built in year 2012, and geographics plotting.
Books	1. Sabar Nababan, **DasarSistemKendali**, Diktat, UNRAM, 2004. 2. Sabar Nababan, **DasarSitemKendaliMenggunakanMatlab**, Buku Ajar, 2006, UNRAM. 3. Sabar Nababan, **Kalkulus-I**, Diktat, UNRAM, 2012.

Conferences	1. Fourth National Conference& Workshop in High Voltage, Hotel NovotelBatam, Indonesia, November, 13-14, 2001.(Technical Speakers) 2. Second National Conference in Electric Power System, Udiklat PLN-Semarang, Indonesia, 31 October - 1 November 2001. (Technical Speakers) 3. Third National Conference in Electric Power System, InstitutTeknologi Surabaya (ITS), Indonesia, October 08 – 09, 2002. (Technical Speakers) 4. Seminar NasionalElektroMesin Civil (SEMCI 2005), Faculty of Engineering, University of Mataram, Indonesia, 17 September 2005. (Technical Committee) 5. The 3rd IEEE International Symosium on Power Electronics for Distributed Generation Systems (PEDG) 2012, City of Aalborg, Denmark, June 25-28, 2012. Pp: 737-744.
University Services	July 2005 – July 2010: Member of Reviewer Team for 'JurnalPenelitian UNRAM' (Research Journal of UNRAM) at LembagaPenelitian (Research Center) of University of Mataram. Jan 2005 – Dec. 2008: Member of BadanPerencana&PengembanganFakultas (BP2F) (Faculty Planner & Development Committee), Faculty of Engineering, University of Mataram. Sept 2005 – Sept 2010 : Member of CEPS (Center for Energy and Power Studies). CEPS was built by PLN branch Mataram and Faculty of Engineering – University of Mataram, as a group cooperation that has tasks about planning, developing, and maintaining of, stand alone and/or on grid connection, solar-wind power supply use at Lombok Island in order to reduce the electric energy crisis in this province. February 2010 – present: Member of Reviewer Team for Journal DIELEKTRIKA, Electrical Engineering Dept., Faculty of Engineering University of Mataram.
List of Publications	1. Nababan Sabar**, Passive Shunt Filters to Reduce Harmonic Distortion Nonlinear Loads: Modeling, Analysis, and Design** (in Indonesian), M.Eng. Thesis, Centre Library of GadjahMada University, Indonesia, November 2001. 2. Nababan Sabar, **Study of Filters Design to Reduce Harmonic Distortion in Electrical Power Distribution** (in Indonesian), B.Eng. Thesis, Centre Library University of Sumatera Utara, Indonesia, Juli 1998. 3. Nababan Sabar**, Analysis and simulation of passive shunt filters to reduce harmonic distortion caused by nonlinear loads** (in Indonesian), Proceedings of 2nd National Seminar in Electric Power System, Udiklat PLN-Semarang, Indonesia, 31 October - 1 November 2001. 4. Nababan Sabar**, Study of Electric Power Quality Regulation in Indonesia: flicker and harmonics** (in Indonesian), Center Library of Mataram University, 2002. 5. Nababan Sabar**, A Simple Method for Equipment Grounding in Electric Power System** (in Indonesian)**,** Centre Library of Mataram University, November, 2002. 6. SianiparRismon,Nababan Sabar, **Kompressi Gelombang Transient Menggunakan *Discrete Wavelet Packet Transform*,** (in Indonesian) Proceedings of 3nd National Seminar in Electric Power System (SSTE-III), InstitutTeknologi Surabaya (ITS), Indonesia, October 08 – 09, 2002.

	7. SianiparRismon,Nababan Sabar, **Perbandingan DFT dengan DWPT untuk Menganalisis Gelombang Harmonik Menggunakan Wavelet Coifman Ortogonal,** (in Indonesian) The Fourth Industrial Electronic Seminar (IES'2002), October 19, 2002, Campus EEPIS-ITS, Surabaya, Indonesia. 8. SutrisnoHadi,Nababan Sabar, **Comparison of TL Lamp and BE Lamp about THD_I, Power Factor, and Cost,** (in Indonesian),Jurnal REKAYASA (Accredited), Dec 2004 Edition, Faculty of Engineering, University of Mataram 9. Nababan Sabar, **Filter Design for Improving Power Factor and Reducing Harmonic Current of Magnetic Ballast Fluorescent Lamp**, (in Indonesian), Jurnal EMAS (Accredited), Feb. 2006, Faculty of Engineering, Universitas Kristen Indonesia (UKI), Jakarta. 10. Nababan Sabar**, Option Analysis of Power Supply Sistem Types for Telecom at Remote Rural in NTB Province Indonesia** (in Indonesian),JurnalOryza Vol. V/No.3, October 2006, University of Mataram Press. 11. Nababan Sabar, **Planning of Hybrid Power Supply System based on Renewable Energy to Supply a Puskesmas (health community center) at Remote Village on NTB Province using HOMER,** (in Indonesian), JurnalPenelitian (Research Journal) UniversitasMataram Vol.3, No.20, February 2007. 12. Nababan Sabar, E. Muljadi, F. Blaabjerg,"**An Overview of Power Topologies of Micro-hydro Turbines**," The 3rd IEEE International Symosium on Power Electronics for Distributed Generation Systems (PEDG) 2012, City of Aalborg, Denmark, June 25-28, 2012. Pp: 737-744. 13. Nababan Sabar,"**Harmonics propagation and distortion caused by a nonlinear load in balance distribution network**", World Journal of Engineering and Physics Science, Vol. 2 (6), pp. 089-098, November 2014