Curriculum Vitae

Name : I Made Ginarsa
Electrical Eng., Fakultas Teknik, Mataram University
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S1 Electrical Engineering, Udayana University, Denpasar Bali
S2 Electrical Engineering, Gadjah Mada University, Jogjakarta
S3 Electrical Engineering, ITS, Surabaya

Research:
a. Overcurrent, overvoltage dan undervoltage relays to overcome of ground fault on generator.
b. Frequency response analysis to tune of power system stabilizer (PSS) in multimachine power systems.
c. Modeling of centered loading from distributed loading in 20 kV distribution power systems.
d. Analysis of distributed generator affects to dynamical power systems stability.
e. Controlling chaos and voltage collapse ANFIS-based composite controller-static var compensator (ANFIS-based CC-SVC) in power systems.

Seminar
1. Ginarsa, I M., Soeprijanto, A. and Purnomo, M. H., "Implementation of classical model to identification of chaotic behavior in power systems due to Disturbing of Energy (DE)", *Proceeding Seminar Nasional SITIA ITS*, 2008.
2. Ginarsa, I M., Soeprijanto, A. and Purnomo, M. H., "Modelling of chaotic behavior in power systems using recurrent neural networks", *Proceeding of International Conference ICACIA 2008*, Universitas Indonesia, 2008.
3. Ginarsa, I M., Soeprijanto, A., Purnomo, M. H., "Controlling Chaos using ANFISbased composite-controller (ANFIS-based CC) in power systems", *Proceeding of International Conference ICICI-BME*, Sept, 1st-2nd 2009, Institut Teknologi Bandung, Indonesia.
4. Ginarsa, I M., Soeprijanto, A., Purnomo, M. H., Syafarudin and Hiyama, T. (2010), "Improvement of transient voltage responses using an additional PID-loop on ANFIS based composite controller-SVC (CC-SVC) to control chaos and voltage collapse in power systems", *Proc. of The 5th ICAST Conf*., Kumamoto, Japan.
5. Ginarsa, I M., Soeprijanto, A., Purnomo, M. H., Syafaruddin and Hiyama, T., "Controlling voltage collapse using ANFIS-based composite controller-SVC in Power Systems", *Proc. of The Tencon 2011 Conference*, Bali, Indonesia, pp. 275-279.
6. **ANFIS-based Controller Application to Regulate Firing Angle of Inverter in Average Value Model-High Voltage Direct Current Transmission System, ICGTEIS,** 2018.
7. **Smart Energy Meter for Electric Vehicle Based on Bluetooth and GSM Technology, ICGTEIS, 2018.**

Journal

1. Ginarsa, I M., Soeprijanto, A. and Purnomo, M. H., "Controlling Chaos and Voltage Collapse using ANFIS-based Composite Controller-Static Var Compensator (ANFIS based CC-SVC) in Power Systems", *International Journal of Electrical Power and Energy Systems* (IJEPES), Vol.46. 2013.
2. Ginarsa, I M., Soeprijanto, A., Purnomo, M. H., Syafaruddin and Hiyama, T. (2011), "Improvement of transient voltage responses using an additional PID-loop on ANFIS based composite controller-SVC (CC-SVC) to control chaos and voltage collapse in Power Systems, *IEEJ Trans. on Power and Energy*, Vol. 131, No. 10, pp. 837-849.

4. **Dynamic Stability Improvement of Multimachine Power Systems using ANFIS-based Power System Stabilizer, TELKOMNIKA, Vol. 13**

5. **REKONFIGURASI JARINGAN DISTRIBUSI UNTUK MEMINIMISASI RUGI-RUGI PADA PENYULANG KABUT DI GARDU INDUK TELUK BETUNG MENGGUNAKAN METODE BINARY PARTICLE SWARM OPTIMIZATION (BPSO), Jurnal Nasional Teknik Elektro, Vol. 5, 2016.**

6. **Rancang Bangun Smart Energy Meter Berbasis UNO dan Raspberry Pi, Jurnal Rekayasa Elektrika, Vol. 14, 2018.**

7. **Desain Power System Stabilizer Berbasis Fuzzy Tipe-2 untuk Perbaikan Stabilitas Mesin Tunggal, Jurnal Rekayasa Elektrika, Vol. 14, 2018.**

8. **Coordination of Adaptive Neuro Fuzzy Inference System (ANFIS) and Type-2 Fuzzy Logic System-Power System Stabilizer (T2FLS-PSS) to Improve a Large-scale Power System Stability, International Journal of Electrical and Computer Engineering (IJECE), Vo. 8, 2018.**

9. **Analisis Tegangan Lebih Induksi Disekitar Down Conductor Yang Terinjeksi Arus Petir (Studi Kasus Gedung Stahn Gde Pudja Mataram Dan Gardu Hubung Gomong, Dielektrika, Vo. 4, 2017.**

10. **OPTIMAL REACTIVE POWER DISPATCH UNTUK MEMINIMISASI RUGI-RUGI DAYA AKTIF PADA SISTEM LAMPUNG MENGGUNAKAN METODE GREY-WOLF OPTIMIZER (GWO), Jurnal Nasinal Teknik Elektro, Vol. 6, 2017.**

Buku

1. **Manajemen Operasi Sistem Tenaga Listrik, Mataram University Press , 2018,** ISBN: **978-602-6640-23-9**

2. **Regulation of 12-pulse Rectifier converter using ANFIS-based controller in HVDC transmission system in Integrated Sci-Tech: The Interdisciplinary Research Approach, Book Chapter 6, UPT. Perpustakaan Universitas Lampung, 2015**

Paten Sederhana

1. SETUP DAN PENGISIAN ENERGI LISTRIK PADA SMART ENERGI METER PRABAYAR MELALUI MEDIA BLUETOOTH, No. Pendaftaran: **SID201807870, 2018.**

2. HKI: Surat Pencatatan Ciptaan No. EC002019802442, 18 November 2019.

   Nomor pencatatan: 000164727

   Jenis ciptaan: Buku pelajaran

   Judul Ciptaan: Manajemen operasi system tenaga listrik