

# DAFTAR RIWAYAT HIDUP

## **Data Pribadi**

Nama : Khairudin  
Tempat dan Tanggal Lahir : Melania, 19 Juli 1970  
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Jenis Kelamin : Laki-laki

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## **Riwayat Pendidikan**

1. Sarjana Teknik (S.T.) : Teknik Elektro, Universitas Sriwijaya, 1995
2. Master of Science (M.Sc) : Electrical Power Engineering, University of Manchester Institute of Science and Technology (UMIST), United Kingdom, 1999
3. Doctor of Philosophy in Engineering (Ph.D.Eng) : Electrical Power Engineering, Kyushu Institute of Technology, JAPAN, 2016

## **Keanggotaan Profesi**

1. **IEEE**, Member of Indonesian Section (Member No. 41254213)
2. **APEI**, Asosiasi Profesional Elektrikal Indonesia (Penasihat)
3. **ASASI**, Asosiasi Akademisi Seluruh Indonesia (Anggota)
4. **HATSINDO**, Himpunan Ahli Teknik Seluruh Indonesia (Penasihat)
5. **PII**, Pengurus Wilayah Lampung, Bidang Elektro, Energi dan Ketenagalistrikan

## **Bidang Olahraga dan Seni**

1. Lembaga Karate-Do Indonesia, Lemkari, sd 2021 – sbg ketua harian (DAN II)
2. Shotokan Karate-DO Indonesia, SHOKAIDO, 2021-2025, Ketua Umum. (DAN IV)

## **Kegiatan Lain-lain di Luar Kampus Unila**

1. Membantu (ikut membina) di Universitas Nahdlatul Ulama Lampung
2. Sebagai Advisor dan Mentor dalam pelaksanaan Seminar Internasional, International Multidisciplinary Conference on Science and Technology (1<sup>st</sup> ImCOST 2021) di UNU Lampung.
3. Dosen Luar Biasa di Fak SainTek, UNU Lampung
4. Nara sumber kuliah umum di UNULA dan UML
5. President Muslim Kitakyushu Asscocation (MAKITA), 2014-2016
6. Tenaga Ahli Bangunan Gedung, TPABG Bandar Lampung

## **Special Achievements**

1. General Chair International Conference IC-STAR 2020, Scopus Indexed
2. General Chair International Conference ICCTEIE 2021, IEEE and Scopus Indexed

## **Hobi**

1. Karate
2. Sepeda

### **Bidang Keahlian dan Riset Afiliasi**

1. Power System Monitoring, Control and Stability
2. Renewable Energy
3. Building Automation System
4. Perencanaan, Pengawasan dan Konstruksi Sistem Tenaga Listrik
5. Elektrikal – Mekanikal – Fire Safety bangunan komersial dan industrial.

### **Riwayat Pekerjaan**

1. Dosen Teknik Elektro, Universitas Lampung, 2000 – sekarang
2. Ketua Jurusan Teknik Elektro, Universitas Lampung, 2019 - sekarang
3. Kepala Laboratorium Sistem Tenaga Elektrik, Universitas Lampung, 2017 – 2019
4. Direktur CV. Inovasi Daya Utama, Bandar Lampung 2006 – 2012
5. Wakil Direktur BBS Unilinet – Unila, 2001 – 2003
6. Manajer Teknik PT. Mekar Multi Rekatama, Bandung, 1997 – 1998
7. SMT Engineer PT. Thompson Television Indonesia, Batam, 1996 – 1997
8. Electrical & Control Engineer PT. Tunggorono Indah, Bandung, 1995 – 1996

### **Beberapa Pengalaman Praktis**

1. Design Sistem Kelistrikan dan MEP, Gedung Pasca Sarjana, UNILA, 2021
2. Ketua Tim Assesment Teknis Dampak Perubahan Setting AVR 20 kV PLN terhadap Sistem Kelistrikan PT. Bukit Asam Unit Pelabuhan Tarahan, 2019
3. Ketua Tim Proyek Inventarisasi LPJU PLN (Persero) Area Tanjung Karang, LPPM Unila 2018.
4. Ketua Tim Desain Hydrant dan Automatic Sprinkler untuk PT. PLN (persero) Distribusi Lampung, LPPM Unila 2017.
5. Tim penyusun Roadmap Pengembangan Listrik Desa Provinsi Lampung 2017 – 2021 PT. PLN (Persero) Distribusi Lampung, Tahun 2016
6. Tim penyusun Roadmap Pengembangan Listrik Desa Provinsi Lampung 2013 – 2017 PT. PLN (Persero) Distribusi Lampung, Tahun 2012
7. Pemasangan Jaringan Listrik 10,5 s.d 13.5 kVA untuk BTS PT. Indosat dan Telkomsel, Area Lampung, 2006 s.d 2009.
8. Desain dan Aplikasi Local Area Network pada Dinas Peternakan dan Keswan Propinsi Lampung, Bandar Lampung, 2001
9. Proyek Pengembangan Sistem Informasi Pembangunan Kabupaten Lampung Tengah / Pembuatan Situs Web [www.lampuntengah.go.id](http://www.lampuntengah.go.id), Bandar Lampung, 2002
10. Proyek Pengembangan Sistem Informasi Pembangunan Kabupaten Lampung Utara / Membangun dan Mengoperasikan Situs Web [www.lampungutara.go.id](http://www.lampungutara.go.id), Bandar Lampung, 2002
11. Instruktur pada Pelatihan SCADA Telemetering, Telesignal dan Telecontrol Angkatan I dan II Tahun 2000, Pertamina Div. Komunikasi dan Elektronika, Bandung, 2000
12. Tim Desain Mekanikal, Elektrikal dan Plumbing, Konsorsium BITA Enarcon – Holland – Ballast – Thies, pada pembangunan Musi Pulp Mill project, Bandung - 1997.

13. Desain Sistem Kelistrikan dan Safety (Fire Safety) Building PT. PLN Cabang Banten, 1997.
14. Desain Sistem kelistrikan dan safety Building Kantor BRI Cabang Pamanukan, 1997
15. Desain PLTMH Prafi dan Kombemur, Irian Jaya, 1997
16. Desain dan pembangunan Sistem Kontrol dan otomasi Green House, PT Sekar Gunung Lembang Bandung, 1995
17. Studi Cadangan Daya dan Captive Power Pulau Kalimantan, PT. PLN Jakarta, 1995
18. dll.

### **Riwayat Penulisan dan Penelitian**

1. *Bagus Sulisty, Lukmanul Hakim, Herri Gusmedi dan Khairudin*, **An Open Source Framework Modelling: Visualization Of Voltage Magnitude As Pseudo Contour On A Map**, SEMINAR NASIONAL SAINS DAN TEKNOLOGI – IV, Hotel Marcopolo, Bandar Lampung, 29 – 30 November 2011.
2. *Lukmanul Hakim, Bagus Sulisty, Joni Efwan, Herri Gusmedi, Nining Purwasih dan Khairudin*, **Skema Pelepasan Beban Untuk Peningkatan Kemampuan Pengiriman Daya Pada Sistem Interkoneksi Tenaga Listrik Sumbagsel**, SEMINAR NASIONAL SAINS DAN TEKNOLOGI – IV, Hotel Marcopolo, Bandar Lampung, 29 – 30 November 2011.
3. *Takeshi Kudo, Kenta Kushizaki, Yasunori Mitani, Masayuki Watanabe, Yaser Qudaih and Khairudin*, **Smart Grid Approach by Evaluating Power System Oscillation Mode Using PMU Based Eigenvalues Estimation**. Proceedings of the 1st International Smart Grid Conference & Exhibition (ISGC&E 2013), Jeju, Korea, July, 2013
4. *Khairudin, Yaser Qudaih, Yasunori Mitani, Masayuki Watanabe, Thongchart Kerdphol*, **Wavelet-Demodulation-Method Based Out of Step Detection and Damping Estimation In Japan Campus WAMS**. Proceedings of the 18th Power System Computation Conference (PSCC2014), Wroclaw University of Technology, Poland.
5. *Yasunori Mitani, Akihiro Satake, Takeshi Kudo and Khairudin*, **Monitoring the Wide Area Power System Dynamics by Phasor Measurement Units Based on Campus WAMS Strategy**. Proceedings of the 19th IFAC World Congress, 2014 Cape Town International Convention Centre, Cape Town, South Africa IFAC-Paper Online, volume # 19, Part# 1, pp.2273-2278
6. *Khairudin and Yasunori MITANI*, **Synchrophasor Measurement Based Small Signal Stability Assessment using FFT-CWT Approach in Japan-Campus-WAMS**. Proceedings of the Innovative Smart Grid Technologies - Europe (ISGT-Europe 2014), Istanbul Technical University, Turkey
7. *Eko Aptono Tri Yuwono, Muhammad Nurdin, Nanang Hariyanto, Khairudin and Yasunori Mitani*, **Oscillation Damping with Direct Load Control Based on PMU Measurement Data**, Proceeding of the Conference of Electric Power Supply Industry (CEPSI2014) Jeju, Korea
8. *Khairudin, Yaser Qudaih, Masayuki Watanabe and Yasunori Mitani*, **Synchrophasor Measurement Based Damping Estimation and Oscillation Mode Detection using FFT-CWT approach in Japan campus WAMS**. International Journal of Smart Grid and Clean Energy, Vol.4, No.2, pp.93-102, April 2015.
9. *Thongchart Kerdphol, Yaser S Qudaih, Khairudin and Yasunori Mitani*, **Robust Hydrothermal Power System Controller Considering Energy Capacitor**

**System and Wind Power Source.** International Journal of Process Systems Engineering, Special Issue on Smart Energy Grids, vol.3, No.1/2/3, pp.90-109.

10. Fitri Rahmawati Tusriyati, Mitani Yasunori, Nanang Hariyanto, Muhammad Nurdin and Khairudin, **Optimal Switch Placement in Radial Distribution System Based on Reliability worth Analysis**, Proceeding of the International Conference on Electric Engineering and Informatics (ICEEI2015), Bali, Indonesia
11. Retno First Tyastuti, Mitani Yasunori, Nanang Hariyanto, Muhammad Nurdin and Khairudin, **A Genetic Algorithm Approach Determining Simultaneously Location and Capacity Distributed Generation in Radial Distribution System**, Proceeding of the International Conference on Electric Engineering and Informatics (ICEEI2015), Bali, Indonesia.
12. Khairudin, Lukmanul Hakim, Yasunori Mitani and Masayuki Watanabe, **Phasor Measurement Technology based Power System Monitoring and Control.** The 2nd International Conference on Science, Technology and Interdisciplinary Research 2016 Bandar Lampung – Indonesia, 22 – 25 August 2016.
13. L. Hakim, A. Munandar, D. Permata, H. Gusmedi, Khairudin, U. Murdika, **Overhead Medium Voltage Twisted Insulated Cable (MVTIC) Models for Three-phase Power Flow Analysis**, The 2nd International Conference on Science, Technology and Interdisciplinary Research 2016 Bandar Lampung – Indonesia, 22 – 25 August 2016.
14. Khairudin, Hakim, L., Saputra, A.A.S., Alhasewi, A. **Dynamic Voltage Restorer for the Voltage Drop Compensation in Long Rural Distribution Feeder Application**, 2019 Journal of Physics: Conference Series.
15. dll

Demikianlah riwayat hidup di atas saya tulis dengan sebenar-benarnya.

Bandar Lampung, 05 January 2022



**Khairudin, S.T., M.Sc., Ph.D.Eng**