

Curriculum Vitae



1. **Name** : Dr. Misbahuddin, ST., MT.
2. **Affiliation** : Department of Electrical Engineering, Faculty of Engineering, University of Mataram
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9. **Sinta ID** : 6008110

10. Formal Education:

- Doctor Degree, Electrical Engineering, Universitas Indonesia, 2017
- Master Degree, Informatics Engineering, Sepuluh Nopember Institute of Technology, Surabaya, 2000
- Bachelor Degree, Electrical Engineering, Moeslim University of Indonesia, Makassar, 1993

11. Academic Job Experience:

1. Head of Digital & Electronic Laboratory, DEE, Faculty of Engineering, University of Mataram, 2000 - 2004
2. Head of Center of Information and Telecommunication Technology, University of Mataram, 2006 - 2009
3. Head of Center of Information Technology Services, Faculty of Engineering, University of Mataram, 2012 – 2014
4. Head of Computer and Networks Laboratory, Department of Electrical Engineering, Faculty of Engineering, University of Mataram, 2017-2018
5. Chief of Research Group of Internet of Things Development and Application, DEE, Faculty of Engineering, University of Mataram, 2017 – Now
6. Technical Assistant of Research and Public Services Institution, University of Mataram, 2017 – Now
7. Secretary of Department of Electrical Engineering, Faculty of Engineering, University of Mataram, 2018 - Now
8. Head of Publication and Conference Management Center (PCMC), University of Mataram, 2019 – Now

12. Publications

A. International Journals

1. **Misbahuddin**, A.A Putri Ratna dan Riri Fitri Sari “Dynamic Multi-hop Routing Protocol Based on Fuzzy-Firefly Algorithm for Data Similarity Aware Node Clustering in WSNs”, International Journal of Computers Communication & Control (IJCCC). Vol. 13, Issue 1, February 2018.
2. **Misbahuddin** dan Riri Fitri Sari, “Node Clustering Based on Initial Phase Proximity for Reachback Firefly Synchronicity in Wireless Sensor Networks”. International Journal of Computers Communication & Control (IJCCC). Vol. 12, Issue 1, February 2017.
3. Fauzi Maulana, **Misbahuddin**, Riri Fitri Sari, Ruki Harwahyu, Anak Agung Putri Ratna, and Ellen S.W. Tangkudung, “Implementation Of Information Display Device For Estimation Of Bus Arrival Time”, ARPN Journal of Engineering and Applied Sciences, Vol. 12, No. 2, January 2017
4. Ruki Harwahyu, **Misbahuddin**, Riri Fitri Sari, “Performance Evaluation of LTE Random Access Procedure under Distributed Location Data Mining for Road Traffic Monitoring”, International Journal of Communication Networks and Information Security (IJCNIS), Vol. 8, No. 3, December 2016.
5. **Misbahuddin**, Riri Fitri Sari, “Firefly-Inspired Algorithm for Data Similarity Aware Node Clustering in Low Rate Wireless Personal Area Network”, Advances Science Letters, Vol. 1 No. 11, 2015 hal. 3463-3467.
6. **Misbahuddin**, Riri Fitri Sari, “Bayesian Mixture Model for Prediction of Bus Arrival Time”, International Journal of Technology, Vol. 6, Issue 6 (SE) 2015.

B. National Journal

1. Putra R Ramadan, Giri Wahyu Wiriasto, Muhamad S Iqbal, dan Misbahuddin, Sistem Pengambilan Keputusan Penjurusan Akademik Sekolah Menengah Atas Berdasarkan Kemampuan Akademik, Potensi Psikologi dan Minat Bakat siswa Menggunakan Fuzzy Inference System Metode Sugeno Dua Lapis.

C. International Conferences

1. **Misbahuddin**, M. Syamsu Iqbal, Giri Wahyu Wiriasto, Multi-hop Uplink for Low Power Wide Area Networks Using LoRa Technology, Th 6th International Conference on Information Technology, Computer and Electrical Engineering (ICITACEE), 26-27 September 2019, Semarang Indonesia.
2. Teti Zubaidah, Bulkis Kanata, Paniran, **Misbahuddin**, Rosmaliati, Made Sutha Yadnya, and Susilawati Riskia, Earth Magnetic Fields Evolution over Nusa Tenggara Region from Declination and Inclination Changes on Lombok Geomagnetic Observatory, The 2nd International Conference on Applied Electromagnetic Technology (AEMT) April 2018, Mataram Lombok.
3. **Misbahuddin**, A.A Putri Ratna and Riri Fitri Sari Dynamic Multi-hop Routing Protocol for Unbalanced Sized Clusters in Wireless Sensor Networks, The 20th International

- Symposium on Wireless Personal Multimedia Communications (WPMC) 2017. 17-20 Desember 2017, Yogyakarta.
4. Prima E. Ramadhani , M. Dicki Setiawan, M. Ariansyah Yutama, **Misbahuddin**, Doan Perdana, and Riri Fitri Sari, Performance Evaluation of Hybrid Wireless Mesh Protocol (HWMP) on VANET Using VanetMobiSim, International Conference on Computational Intelligence and Cybernetics (Cyberneticscom), 2016 Makassar November 2016.
 5. **Misbahuddin** and Riri Fitri Sari, Data Similarity Based Dynamic Node Clustering Using Bio-Inspired Algorithm for Self-Organized Wireless Sensor Networks, The 2nd International Workshop on Future Internet and Smart Networks, (FI&SN) 2016”, 12-13 September 2016, London.
 6. **Misbahuddin** and Riri Fitri Sari, An Evaluation of Some Firefly-inspired Synchronicity Methods in Wireless Sensor Networks, Asea Uninet Scientific and Plenary Meeting (ASEA-UNINET) 2016, 15 Februari 2016, Denpasar Bali.
 7. **Misbahuddin** and Riri Fitri Sari, Firefly-inspired Algorithm for Data Similarity Aware Node Clustering in Low Rate Wireless Personal Area Network, The 3rd International Conference on Advances Tecnology in Telecommunication, Broadcasting, & Satellite (TelSaTech) 2015, 26 September 2015, Jakarta. (Best paper and selected paper to be published in Journal of Advacance Science Letter).
 8. **Misbahuddin**, and Riri Fitri Sari, Bayesian Mixture Model for Prediction Of Bus Arrival Time, International Conference on Quality in Research, 10-13 September 2015, Lombok. (selected paper to be published in International Journal of Technology)

D. Reviewer of Journals and International Conferences, Chief of International Conferences

1. General Chair of the 4th International Conference on Science and Technology (ICST) 2019, Lombok, Indonesia
2. General Chair of the 2nd International Conference on Applied Electromagnetic Technology (AEMT) 2018, Lombok, Indonesia.
3. General Chair of the 1st International Conference on Applied Electromagnetic Technology (AEMT) 2014, Lombok, Indonesia. Technical co-Sponsor: IEEE
4. Reviewer of the 16th International Conference on Quality In Research (QiR) 2019, Padang, Indonesia. Technical co-Sponsor: IEEE
5. Reviewer of the 2017 International Seminar on Application for Technology of Information and Communication (ISEMANTIC), Semarang, Indonesia, Technical co-Sponsor: IEEE
6. Reviewer of the 2nd International Conference on Applied Electromagnetic Technology (AEMT) 2018, Lombok, Indonesia. Technical co-Sponsor: IEEE
7. Reviewer of National Journal on Computer System and Artificial Intelligence, Tanri Abeng University, Jakarta, Indonesia.
8. Reviewer of National Journal on Dielektrika, Department of Electrical Engineering, Faculty of Engineering, University of Mataram.

13. Rewards in International Forums

1. Author of best paper “Firefly-inspired Algorithm for Data Similarity Aware Node Clustering in Low Rate Wireless Personal Area Network”, in The 3rd International Conference on Advances Technology in Telecommunication, Broadcasting, & Satellite (The 3rd TelSaTech), 26 – 27 September 2015, Jakarta, Indonesia.
2. Author of best paper “Multi-hop Uplink for Low Power Wide Area Networks Using LoRa Technology” in The 2019 6th International Conference on Information Technology, Computer and Electrical Engineering (ICITACEE), 26-27 September 2019, Semarang Indonesia.

14. University Visiting in Overseas

1. Mobile Learning for High Education, Saga University, Japan, 2007
2. Short Research, Universidade do Minho, Braga, Portugal, 2016

15. Professional Organization

1. IEEE Professional Member 2015-Now
2. Member of Forum Pendidikan Teknik Elektro Indonesia (FORTEI), 2018-Now
3. Member of Persatuan Insinyur Indonesia (PII), 2020