# Curriculum Vitae


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|---|---|
| Surname | : Asrini |
| Full Name | : Ir. Luh Juni Asrini S.Si., M.Si., Ph.D |
| Work Address | : Industrial Engineering<br>Widya Mandala Catholic University<br>Kalijudan 37, Surabaya, East Java<br>Indonesia |
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| Nationality | : Indonesian |


## Academic Qualifications

2024 **Doctor of Philosophy**
**National Taiwan University of Science and Technology, Taiwan**
**Dissertation**: "A Process Control Model Combining Variable and Attribute Inspection for Monitoring the Mean of Autocorrelated Processes with Markov Chain Property"

2014 **Magister Sains (Master of Science)**
Institut Teknologi Sepuluh Nopember (ITS), Faculty of Science, Department of Statistic, Surabaya, Indonesia
**Thesis**: "Model Regresi Semiparametrik Deret Fourier (Studi Kasus pada Produksi Padi Sawah irigai di Jawa Tengah)"

2010 **Sarjana Sains (Bachelor of Science)**
Mataram University, Faculty of Science, Department of Mathematic, Mataram - Lombok, Indonesia
Skripsi: "Optimalisasi Faktor-Faktor yang Berpengaruh pada Produksi Telur Asin Guna Meningkatkan Kualitas Hasil dengan Metode Taguchi"

## Present Appointment

**June 2014 – to date** **Widya Mandala Surabaya Catholic University**

Position: **Assistant Professor** in Industrial Engineering Department (June 2015 – to date)
**Lecturer** in Industrial Engineering Department (January 2014 – May 2015)

Teaching: Applied engineering statistics, Operational research, Linear Algebra, Calculus, Marketing research, Quality engineering, Numerical analysis

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## List of Publications

### Refereed Journal Articles

1. **Asrini, L. J.**, & Budiantara, I. N. (2014). Fourier series semiparametric regression models (Case study: The production of lowland rice irrigation in Central Java). *ARPN Journal of Engineering and Applied Sciences*, *9*(9), 1501-1506.
2. Pudjihardjo, I., Mulyana, I. J., & Asrini, L. J. (2019). Autocorrelated multivariate control chart in cooking oil industry. In *Proc. Int. Conf. Ind. Eng. Oper. Manag* (Vol. 2019, pp. 1440-1448).
3. Wang, K. J., **Asrini, L. J**., Sanjaya, L., & Nguyen, H. P. (2022). Model for deep learning-based skill transfer in an assembly process. *Advanced Engineering Informatics*, *52*, 101643.
4. Wang, K. J., & **Asrini, L. J.** (2022). Deep learning-based automatic optical inspection system empowered by online multivariate autocorrelated process control. *The International Journal of Advanced Manufacturing Technology*, *120*(9), 6143-6162.
5. Wang, K. J., & **Asrini, L. J**. (2023). Multivariate auto-correlated process control by a residual-based mixed CUSUM-EWMA model. *Quality and Reliability Engineering International*, *39*(4), 1120-1142.
6. **Asrini, L. J.,** & Wang, K. J. (2024). Integration Model of Residual-Based Mixed CUSUM-EWMA Chart with Deep Learning-Based Automatic Optical Inspection. *International Journal of Modeling and Optimization*, *14*(4).
7. Dewi, D. R. S., Rahaju, D. E. S., Angela, M., Karijadi, I., & **Asrini, L. J**. (2024). Determining Optimal Design Specification in the House of Quality. *Mathematical Modelling of Engineering Problems*, *11*(6), 1611-1618.
8. **Asrini, L. J.**, Dewi, D. R. S., & Karijadi, I. (2024). Auto-Correlated Multivariate Quality Control for Electronic Products Manufacturing with Decomposition Analysis. *Mathematical Modelling of Engineering Problems*, *11*(9), 2513-2526.
9. Arswendi, D., Mulyono, J., Sianto, M. E., & **Asrini, L. J.** (2024). Analisis Faktor yang Mempengaruhi Keputusan Berbelanja di Minimarket A dan Minimarket B di Kota Surabaya. *Widya Teknik*, *23*(1), 54-60.
10. Wijaya, C. J., **Asrini, L. J.**, Indrawati, C. D., Soetaredjo, F. E., Iswahyuni, N., Suharjo, D., ... & Putro, J. N. (2025). PELATIHAN PRODUKSI SABUN CAIR DAN PADAT UNTUK PENINGKATAN POTENSI UMKM DESA. *JMM (Jurnal Masyarakat Mandiri)*, *9*(1), 990-1000.
11. Dewi, D. R. S., Tait, E., Natalia, L. P., **Asrini, L. J**., & Sianto, M. E. (2025). The Impact of Knowledge Transfer, Partnership Development, Logistic Integration and Information Sharing on Improving Supply Chain Agility. *Social Science and Humanities Journal*, *9*(1), 6416-6426.

12. Karijadi, I., Widjaja, Y., Dewi, D. R. S., & **Asrini, L. J.** (2025). Studi Penerapan Deep Learning untuk Prediksi Pergerakan Indeks Harga Saham Gabungan. *Jurnal Impresi Indonesia*, *4*(12), 5408-5421.
13. Nathanniel, C., **Asrini, L. J.**, Dewi, D. R. S., Mulyana, I. J., & Kosasih, W. (2025). ANALISIS PENGARUH ANGKATAN KERJA DAN LEMBAGA PELATIHAN KERJA TERHADAP PRODUK DOMESTIK REGIONAL BRUTO KABUPATEN/KOTA DI JAWA TIMUR. *Jurnal Mitra Teknik Industri*, *4*(3), 195-209.
14. Trihastuti, D., Yuliati, **Asrini, L. J.**, (2025). PENGEMBANGAN TEKNOLOGI ALAT PENGERING HYBRID UNTUK MENINGKATKAN EFISIENSI PRODUKSI DAN HIGIENITAS PRODUK PADA INDUSTRI RUMAH TANGGA KERUPUK PULI. *JMM (Jurnal Masyarakat Mandiri)*, *9*(5), 6073-6082.

**Refereed Conference paper**

1. Pudjihardjo, I., Mulyana, I. J., & **Asrini, L. J.** (2019). Autocorrelated Multivariate Control Chart in Cooking Oil Industry.

**Oral presentations in scientific meetings**:

1. 1st International Conference on Engineering Science and Technology Inovation (ICESTI 2014), September 2014 in Bali (Indonesia).

2. National Conference “Riset dan Teknologi Terapan V 2015” in conjuction with Design and Application of Technology Conference X 2015, August 2015 at Widya Mandala Catholic University Surabaya (Indonesia).

3. National Conference “Riset Multidisiplin 2017”, March 2017 at Tarumanagara University, Jakarta (Indonesia).

4. National Conference “Riset dan Teknologi Terapan VII 2017”, September 2017 at Widya Mandira Catholic University, Kupang (Indonesia)

5. National Conference “Riset dan Teknologi Terapan VIII 2018”, August 2018 at Atma Jaya University, Makassar (Indonesia)

6. The 6th International Conference on Mechanical Manufacturing and Industrial Engineering, August 23-25, 2023 at Hosei University, Tokyo, Japan.