



Irhamah, Ph.D.

Senior Lecturer



S.Si. (Statistics-Brawijaya University, 1999); M.Si. (Statistics-ITS, 2001); Dr. (Mathematics-UTM, 2008)



CURRENT POSITION

Head of BKPKP-ITS

RESEARCH INTEREST

Operations Research,
Genetic Algorithm,
Time Series,
Computational Statistics.

PUBLICATION

- On Monitoring Shift in the Mean Process with Vector Autoregressive Residual Control Chart of Individual Observation. (2014). *Applied Mathematical Sciences*. Vol. 7, no. 10, page 3491-3499.
- Combining Long Memory and Nonlinear Model Outputs for Inflation Forecast. (2014). *Journal of Mathematics and Statistics*. Vol. 10, no. 3, page. 281-292.
- Identification and Characterization of Extreme Rainfalls Distribution In Malang Residence. (2013) . *Journal of Mathematics and Statistics*. Vol. 9. Issue 4.

During her PhD, she studied vehicle routing problem with stochastic demands. Several new meta heuristics (Genetic Algorithm & Tabu Search based) and its hybridization were successfully developed for the VRPSD for single and multi objective optimization. Her research in one of food companies was also valuable to make business management decisions about how much inventory to keep on hand, how many items to order each time, and how often to reorder to incur the lowest total possible inventory costs.

In recent years, she has worked in development of Genetic Algorithm for time series model identification and parameter estimation; variable selection and parameter estimation in logistic regression & discriminant analysis; and also its application to solve problems in industry, healthcare, climate and finance.

GOOGLE SCHOLAR CITATION & SCOPUS

- <https://scholar.google.co.id/citations?user=wXV4dT EAAAJ&hl=en>
- <https://www.scopus.com/authid/detail.uri?authorId=26532913800>