



Dr.Makusee Masae

Profession: Lecturer

Work Experiences

2013-Present

Lecturer at the Division of Computational Science (Statistics), Faculty of Science, Prince of Songkla University, Thailand

2011-2013

Lecturer at the Mathematics and Statistics Program, Faculty of Science and Technology, Songkhla Rajabhat University, Thailand

Contact details

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Personal details

Gender: Male

Date of birth: 09.09.1986

Age: 37

Marital status: Single

Nationality: Thai

Education

2015-2019

Dr.rer.pol. (Production and Supply Chain Management), Darmstadt University of Technology, Germany

2009-2011

M.Sc. (Applied Mathematics), Mahidol University, Thailand

2005-2009

B.Sc. (Mathematics), Prince of Songkla University, Thailand

Honors/Awards/Scholarships

2015-2019

A full scholarship for studying Ph.D. abroad under Prince of Songkla University staff development scholarship program

2012

Teaching assistant scholarship from Department of Mathematics, Faculty of Science, Mahidol University

2011

Research assistant scholarship from Center of Excellence in Mathematics (CEM), Department of Mathematics, Faculty of Science, Mahidol University

2005-2010

A full scholarship for graduate (M.Sc.) and undergraduate (B.Sc.) study from the Institute for the Promotion of Teaching Science and Technology, Royal Thai Government office, Thailand

Teaching experiences

- Basic Statistics
- Basic Statistics for Business and Applications
- Elementary Statistics
- Computer Applications for Statistical Research
- Operations Research I
- Operations Research II
- Simulation Techniques

Language skills

Thai (Business fluent), English (Business fluent), German (Basic skills)

Computer skills

R, SPSS, Minitab, Arena, Python, Excel Solver, Excel

Research expertise

Data Analysis, Order picking in warehouse, Simulation

Publications

1. Jantapaso, N., Chumnaul, J., Thiuthad, P., Masae, M., Kaosaiyaporn, O., & Samart, K. (2023). In-Service Training Using Integrated Smart Web Application for Statistical Analysis in Classroom Research. *Journal of Educational and Social Research*, 13(2), 115. <https://doi.org/10.36941/jesr-2023-0036>
2. Masae, M., Boonreung, W., Hmadhloo, P., and Vichitkunakorn, P. (2022). Factors affecting the picking travel distance in the leaf warehouse. *The Journal of Applied Science*, 21(1), 1-19.
3. Masae, M., Padungwech, W., and Vichitkunakorn, P. (2022). Evaluating the effects of different factors on the order picking efficiency in the single-block warehouse. *Thai Journal of Operations Research*, 10(1), 94-102.
4. Masae, M., Glock, C.H., & Vichitkunakorn, P. (2021). A method for efficiently routing order pickers in the leaf warehouse. *International Journal of Production Economics*, 234, 108069.
5. Masae, M., Glock, C.H., & Grosse, E.H. (2020). Order picker routing in warehouses: A systematic literature review. *International Journal of Production Economics*, 224, 107564.
6. Masae, M., Glock, C.H., & Vichitkunakorn, P. (2020). Optimal order picker routing in the chevron warehouse. *IIE Transactions*, 52(6), 665-687.
7. Masae, M., Glock, C. H., & Vichitkunakorn, P. (2020). Optimal order picker routing in a conventional warehouse with two blocks and arbitrary starting and ending points of a tour. *International Journal of Production Research*, 58(17), 5337-5358.
8. Masae, M., Glock, C.H., & Vichitkunakorn, P. (2019). Optimal routing of order pickers in the leaf warehouse. *Proceeding of 24th International Symposium on Logistics (ISL 2019)*, Wurzburg, Germany, 14.-17.07.2019.
9. Masae, M., Glock, C.H., & Vichitkunakorn, P. (2018). Optimal picker routing in a conventional warehouse with two blocks and arbitrary pick-up and drop-off points. *Proceeding of 20th International Symposium on Inventories (ISIR 2018)*, Budapest, Hungary, 20.-24.08.2018.