

## Biography

My background education is a bachelor's degree from Atma Jaya University of Makassar, Indonesia, and a master's degree from Gadjah Mada University, Indonesia, both in computer science. Currently, I am a PhD Student under the supervision of Associate Professor Rachel Cardell-Oliver and Professor Amitava Datta. My research relates to designing algorithms for effective pathfinders of graph traffic networks in several challenging conditions.

## Employment

**Doctor of Philosophy, School of Physics, Maths and Computing**

10 Oct 2022 → present

### Associate Professor

Atma Jaya University of Makassar

Makassar, Indonesia

1 Jan 2011 → present

## Research outputs

Fake News Detection: An Image-Based Semi-Automated Method Using Statistic Feature

Lisangan, E. A., Tungadi, A. L. & Wibowo, F., 3 Nov 2022, *3rd International Conference on Engineering and Applied Science, InCEAS 2021*. Haryanto, H., Khan, M. M., Widyarto, S., Dwiono, W., Ma'ruf, A., Rusbintardjo, G. & Yudhana, A. (eds.). American Institute of Physics, 8 p. 060002. (AIP Conference Proceedings; vol. 2578).

An improved fuzzy ant colony system for route selection based on real time traffic condition

Lisangan, E. A. & Sumarta, S. C., 1 Mar 2021, In: *IAES International Journal of Artificial Intelligence*. 10, 1, p. 51-59 9 p.

Proposed Prototype and Simulation of Wireless Smart City: Wireless Sensor Network for Congestion and Flood Detection in Makassar

Lisangan, E. A. & Sumarta, S. C., Nov 2018, *Proceedings - 2nd East Indonesia Conference on Computer and Information Technology: Internet of Things for Industry, EIConCIT 2018*. Havaluddin, H., Wibawa, A. P., Purnawansyah, P., Riza, L. S., Azis, H., Salim, Y., Malani, R., Gaffar, A. F. O., Darwis, H., Astuti, W., Fattah, F., Satra, R., Herman, H., Hasanuddin, T. & Manga, A. R. (eds.). IEEE, Institute of Electrical and Electronics Engineers, p. 72-77 6 p. 8878660. (Proceedings - 2nd East Indonesia Conference on Computer and Information Technology: Internet of Things for Industry, EIConCIT 2018).

Route selection based on real time traffic condition using Ant Colony System and fuzzy inference system

Lisangan, E. A. & Sumarta, S. C., 1 Jul 2017, *Proceeding - 2017 3rd International Conference on Science in Information Technology: Theory and Application of IT for Education, Industry and Society in Big Data Era, ICSITech 2017*. Riza, L. S., Pranolo, A., Wibawa, A. P., Junaeti, E., Wihardi, Y., Hashim, U. R., Horng, S.-J., Drezewski, R., Lim, H. S., Chakraborty, G., Hernandez, L. & Nazir, S. (eds.). IEEE, Institute of Electrical and Electronics Engineers, p. 66-71 6 p. (Proceeding - 2017 3rd International Conference on Science in Information Technology: Theory and Application of IT for Education, Industry and Society in Big Data Era, ICSITech 2017; vol. 2018-January).