

Acknowledgements

Add acknowledgement if need This research was supported by Ministry of Research, Technology and Higher Education of the Republic of Indonesia through Penelitian Unggulan Strategis Nasional scheme.

References

- Irawan, National Rice Availability Analysis: A Simulation Study of Systems Dynamics Approach. *Multifunction Agriculture Proceeding*, 2005.
- Hu, J., Zhang, X., Moga, L M., and Neculita, M., Modeling and Implementation of the Vegetable Supply Chain Traceability System. *Food Control* Vol 30, pp. 341-353, 2013.
- Wibowo, A D., Surjandari, I., Moeis, A O., Rice Availability Policy for Industrial Region: Study in Kalimantan Selatan, *Proceeding of The 3rd Asia future Conference Environment & Coexistence*, Kitakyushu, Japan, September 29 – October 2, 2016.
- Vorst, J. G. A. J., Tromp, S. O., and Zee, D. J., Simulation Modelling for Supply Chain Redesign; Integrated Decision making on Product Quality, Sustainability, and Logistics". *International Journal of Production Research* 47 (23), pp. 6611-6631, 2009.
- Kirnadi, A. J. dan Firahmi, N., Produksi dan Kebutuhan Konsumsi Beras di Kalimantan Selatan (Rice Production and Consumption in Kalimantan Selatan), *Al'Ulum* Vol 44 No.2. pp. 1-8, 2010.
- Badan Ketahanan Pangan Kalimantan Selatan (Board of Food Security of Kalimantan Selatan), *Food Security Annual Report*, BKP Kalimantan Selatan, 2012.
- Walker, W.E., Policy Analysis: A Systematic Approach to Supporting Policy Making in Public Sector. John Wiley and Sons, Ltd. *Journal of Multicriteria Decision Analysis* 9, pp. 11-27, 2010.
- Setiawan, A D., and Sukriana, Y., *Urban Decay in Kente: Dealing with Capacity and Distribution of Opportunity*. Engineering & Policy Analysis Program, Delft: TU Delft, 2010.

Biographies

Arief RM Akbar is currently a fulltime senior lecturer and Director of Agroindustrial Technology Program in Universitas Lambung Mangkurat. Arief holds a bachelor degree, Master and Dr in agricultural engineering from Bogor Agricultural University. He has taught courses in entrepreneurship, biosystem, simulation, management and corporate entrepreneurship and innovation for engineers. Mr. Arief served as member of the MAKSI, PERTETA, and APTA.

Alan Dwi Wibowo is junior lecturer in Systems and Industrial Management in the Department of Agroindustrial Technology at the Universitas Lambung Mangkurat, Banjarmasin, Indonesia. He earned STP in Agroindustrial Technology from Universitas Gadjah Mada, Yogyakarta, Indonesia and Masters in Systems Dynamics from Industrial Engineering Department, Universitas Indonesia, Indonesia. He has published journal and conference papers. Alan has completed research projects with Pertamina, PZ Cusson Indonesia, PT PLN (Persero), World Bank, Indonesia government, Air Water, Surveyor Indonesia, Wijaya Karya, Pasadena Engineering, Equator Group, Buana Karya Bakti, Gree Energy. His research interests include system dynamics, simulation, optimization, manufacturing, renewable energy, palm oil and lean. He is member of IPOMS, ALI, MAKSI, and APTA.

Alia Rahmi is currently a fulltime junior lecturer at Agroindustrial Technology Department in Universitas Lambung Mangkurat. Alia holds a bachelor degree in food technology from Bogor Agricultural University and Master degree in food technology from University of New South Wales, Australia. She has taught courses in chemicals, food engineering, and public relation. Alia also served as member of the MAKSI and APTA.