

































- making approach,” *Applied Soft Computing Journal*, **21**, 444–452, 2014, doi:10.1016/j.asoc.2014.04.006.
- [22] M.P. Barreiros, A. Grilo, V. Cruz-Machado, M.R. Cabrita, “Applying fuzzy sets for ERP systems selection within the construction industry,” in *IEEM2010 - IEEE International Conference on Industrial Engineering and Engineering Management*, 320–324, 2010, doi:10.1109/IEEM.2010.5674473.

### Authors Profile



Solichul Huda has doctoral from computer science program of Institut Teknologi Sepuluh Nopember (ITS) Surabaya in 2017. He has been a researcher and a lecturer at University of Dian Nuswantoro since 1998. He has expertise in process mining method for data security and computer security. His research interests include fraud detection, cyber crime detection methods and computer security



**Aripin** earned his bachelor degree in Information Systems from Dian Nuswantoro University, Semarang in 1997 and received an M. Kom degree in 2004 from the Informatics Department of the Computer Science Faculty of Universitas Dian Nuswantoro Semarang, Indonesia (e-mail: arifin@dsn.dinus.ac.id). He earned a doctor’s degree in Electrical Engineering from Institut Sepuluh Nopember Surabaya (ITS), Surabaya in 2017. He works as a lecturer in the Informatics Engineering Department of Dian Nuswantoro University, Semarang. He is an IAENG member (member number: 170713). His research interests include natural language processing and human-computer interaction.



Mohammad farid naufal received his bachelor's degree (2014) and master's degree (2016) from Institut Teknologi Sepuluh Nopember. Currently, he is a full-time lecturer at the Universitas Surabaya, Faculty of Engineering, Department of Informatics Engineering. His research currently focuses on Artificial Intelligence, Machine Learning, and Deep Learning, and Computer Vision.



Vanny Martianova Yudianingtias received her Bachelor Degree in English Language and Literature, Master in Linguistics and Master in Administration Science in 2005, 2011 and 2016 respectively from Diponegoro University, Indonesia. She has been an English practitioner focusing in academics writing and translation as well as teaching in Dian Nuswantoro University and Diponegoro University. Her research interest includes linguistics anthropology, media studies, Islamic studies, psycholinguistics, pragmatics, critical discourse analysis, artificial intelligent and translation.