BRIEF DESCRIPTION OF ACADEMIC ACHIEVEMENTS

My academic achievements start from elementary education level. I was the best student since elementary to lower secondary school. Thus, in 2003, I could enter to Gadjah Mada University, the oldest university and one of the most prestigious universities in Indonesia. I studied in Department of Physics Engineering, Faculty of Engineering.

From 2006 to 2007, I was a research assistant in a speech recognizing project. I was also active and former chairman of Student Energy Community, the main aim of the community is to promote sustainable energy utilization into Indonesian society. The most important academic achievement in my life when I was a winner of Mondialogo Engineering Award (MEA) in 2007, MEA is the largest worldwide contest initiated by Daimler and UNESCO for student engineers from developing and developed countries to work together as international project teams to develop ideas and design project proposal for sustainable solutions to problems in developing country. The project was constructed through international cooperation between two student groups from Curtin University of Technology, Australia and my university, Gadjah Mada University, Indonesia. The project proposed a development of sustainable power and water supply, by mean of mini-grid hybrid power system with reverse osmosis desalination plant as a deferrable load, for remote areas and disaster response and reconstruction in Indonesia.

In 2007, I also received a grant from Student Creativity Program, supported by Ministry of Education, for a small research in investigating utilization of waste paper for particle board. In the same year, I obtained my bachelor's degree and predicated with a very satisfactory result. My undergraduate final project was granted as the best bachelor student's final project by Ministry of Information Technology and Communication, Republic of Indonesia. Moreover, during my study in bachelor's degree, I have published two papers in international conferences.

I was furthermore granted with a scholarship for pursuing Master's of Science degree in Energy Technology by research from The Joint Graduate School of Energy and Environment at King Mongkut's University of Technology Thonburi, a center of excellent in energy and environment education and research of Thailand. My research was working in energy planning and greenhouse gases mitigation from energy sector in Indonesia, particularly in electricity sector of Java-Madura-Bali system as the biggest interconnection network in the country. The research results have been published in five conference papers, and one journal paper. Furthermore, my research was granted as an excellent student's research.

Currently, I am working as a research associate in Department of Physics Engineering, Gadjah Mada University. My job descriptions are to investigate energy consumption in Java Island and develop energy scenario based on the multi-policies perspective. I also have published one training book for energy planning in Indonesian language. The aim of publishing the book is to help Indonesian people who interest to learn about energy planning, the reason is that a very little of Indonesian expert in energy planning, so that, the traditional energy problem in Indonesia is about management of the energy system. Thus, the book is a small step to create Indonesian energy planner.