



**Zayda Faizah Zahara**

総合理工学府  
量子プロセス理工学専攻  
修士 1年

My name is Zayda Faizah Zahara from Indonesia and I belong to Hayashi-Norinaga Laboratory. I have been studying about heat treatment in hot-compressed water so called as hydrothermal treatment of biomass (Japanese cedar). The purpose of this research is to consider the alkali and alkaline earth metallic (AAEM) species elimination from biomass to get upgraded lignin for coke producing and steam gasification. Also to consider the organic acids recovery from the cellulose reaction through the process.

For this first half of my study in master course, I have got many chances to study different kinds of knowledge through lectures, colloquiums, and lab rotation. From this semester I am doing research about biomass energy policy in Japan and Indonesia under supervision of AP Watanabe Tomoaki. It might be far from my background, but I think as a future leader we must recognize the recent issue while finding a way to work on it (as a way to develop our critical thinking and problem solving ability).

Through Green Asia Leading Program, I also got an opportunity to visit National Institute of Advanced Industrial Science and Technology (AIST) at Tsukuba in this summer. It is a great experience to visit a fine research institute to learn the working activities in a research institute and to build a relationship with researchers. I hope during my study here, I can obtain more knowledge about coal/biomass energy utilization through gasification and pyrolysis and get ideas for future research. During my visitation to AIST, I can also learn Japanese culture outside Fukuoka while improving my Japanese language ability.



**Tarek Mostafa Atia Mahmoud**

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I am Tarek Mahmoud, 25 years old. I am from Egypt. I entered GA program in Kyushu University October 2013. For truth it's a very wonderful chance for me which really support me to achieve all my goals. I am lab member in Prof. Yoshitake Lab which working on optoelectronic materials that used to make Photodetectors and Solar cells and it's very interested topic. Honestly, I have a lot of plans before and after finish GA program. I am writing this article from Tokyo that I started my internship at 1<sup>st</sup> of September in SunEdison Company. And this was one of these experiences that I wanted to hunt before finish my master degree and I have to admit that all of this because of GA that the program supported me very strongly to keep a link with the industrial institutions. In addition to, offering the chance to go to internship GA courses have a great part related to a lot of very useful topics focus on Environment, Social, and industry which make our view to any issue wider and more comprehensive. I always have the faith that GA program preparing me and others for a leadership positions after the graduation so on that I put my future plan. I wish to be a specialist in Solar system engineering or energy systems in General Electric Company. And also I don't want to stop research and academic work in this point but still as a part timer in my university in Egypt. Last but not least I want to thank Prof. Yoshitake who accepted me in his lab group and also all GA stuff for their continuous help and support.



**Anis Syazwani binti Shuhaimi**

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Hi there! My major research mostly related to the development of thermodynamically and economically feasible upgrading process of Loy Yang coal mild pyrolysis tar into high value-added chemicals. Even though it focused on low rank coal, I decided to do my laboratory rotation at Environmental Design Laboratory (Kondo Lab) under supervision of Assoc. Prof. Kayoko Kondo, in Ohashi Campus. It is my first time to get involved in social science field research.

As I started my laboratory rotation at Kondo Lab, I have to attend Environmental and Heritage Design Project III class. We went for a field trip to Yame City which famous with its tea, bamboo shoots, and the white wall of Fukushima. From the field trip, my team and I are working on the consumer preference on plastic production from bamboo. Distributing questionnaire to the local people, analyzing the data, and presenting the data in front of local people of Yame. It was such a really amazing experience. Although my major research is different with my research in Kondo Lab, it was a really good opportunity to gain another knowledge in another field.

