

## Join Supervision Programme

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### Amazing Memories (Mohd Danial Muhd Ali, March – August, 2015)

Minna-san, Konnichiwa, Assalamualaikum w.b.t.

I am so grateful and lucky to be attached in Zhang *sensei* laboratory because I managed to complete my research activities as planned with my main supervisor, Dr Pramila Tamunaidu (MJIT).

For the past five months, my research progressed rapidly. Basically, my research involved the conversion of oil palm empty fruit bunch (OPEFB) to fermentable sugars through hydrothermal pre-treatment, but I succeeded to add one more objective which is to enhance biogas production by co-digestion of OPEFB with sludge collected in Ibaraki, Japan. This high quality experiments were conducted to obtain good data for my papers. It was a fruitful attachment as I learnt the process involved in hydrothermal method, analytical techniques such as Gas Chromatography as well as UV-VIS Spectrophotometer to further analyse my samples and produce more accurate results. Enormous guidance and support was obtained from almost all the members of my laboratory to achieve the research objectives stipulated.

Apart from that, in my previous article, I shared about fireworks (*Hanabi*) seasons in Japan. On 1 August 2015, my lab-mate and me had a chance to see the biggest fireworks show located in Koga, Ibaraki-Ken with 20, 000 burst within one and half hour. We were very impressed with the fireworks display show created by the organizer. Many people came with their family and friends and it was the best fireworks shows I have ever seen in my life.



**Photo:** Some of the experimental work done in Zhang *sensei* laboratory (left & middle), *Hanabi* memory in Koga, Ibaraki (right)