



■コース生(第3期生)の活動報告



**Konadu
Kojo Twum**
 工学府
 地球資源システム工学
 一貫制博士1年(修士1年)

I am Kojo Twum Konadu from Ghana. I am with the mineral processing and environmental remediation laboratory of the earth resources engineering department. I joined the Green Asia (GA) program in October, 2014. I got my Bachelor degree in July, 2013 in mineral engineering from the University of Mines and Technology.

Phanerochaete Chrysosporium is one of the white rot fungi species and is able to break down complex organic molecules like lignin, cellulose by secreting various oxidative enzymes and other organic metabolites. My research will focus on using the unpurified enzymes produced in the growth medium of Phanerochaete Chrysosporium to depolymerize the elemental carbon and humic acid components of carbonaceous gold ores to prevent "preg-robbing".

As part of the GA program, I have taken courses that cover philosophy, economics, social and environmental issues facing the world presently and this has helped to broaden my knowledge and understanding of society. This I believe will make me a better engineer and improve my contribution to the development of the country or wherever I find myself in life.

I am grateful for the help and support provided by my supervisor Prof. Keiko Sasaki, mentor Prof. Kwadwo Osseo-Asare, students and staff of the Green Asia program in my studies and general life so far.



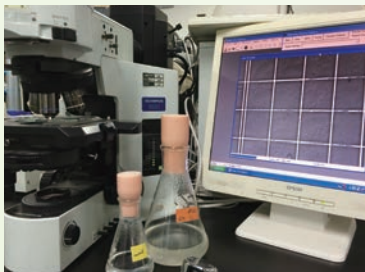
**Kitjanukit
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Time is flying, it is already 3 months after I'm away from Thailand, my home country, since September. My name is Santisak KITJANUKIT, it may be difficult for foreigner to pronounce my name, so call me Ming (ミン).

I feel blessed to be given an opportunity to study in Japan and Kyushu University. I belong to Department of Earth Resource Engineering, Mineral processing, recycling and environmental remediation laboratory under supervision of Assoc.Prof. Naoko OKIBE. Currently, my research is about recovery of precious metal by using microorganism. In nowadays, we human produce a lot of waste to our home, the world, so recovery as part of recycle approach is necessary. Moreover, by using microorganism, it will provide environmental benign processes to recycling things.

Green Asia program provide not only intensive course and research on my specialized subjects, but also environmental and economic related subject. I feel challenging and hungry to learn those interesting subject because I believe that experiencing in multidisciplinary subjects will gave an advantage for working in the future. In addition, apart from academic lessons, I have learned life lessons. I have to stand by myself in such a different culture, people from my home country. This will suit me well in the future if I have to work with international colleague.

As Green Asia program student, I will do my best to be involve in Green Asia activities as much as possible, and will do my best to become a good leader in the future.



**Tomy Alvin
Rivai**
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I am Tomy Alvin Rivai, 3rd batch student in Green Asia (GA) Program from Indonesia. In Kyushu University, I am belong to Economic Geology Laboratory. Last year, I graduated from Study Program of Mining Engineering, Institut Teknologi Bandung (ITB). GA is an interesting evolutionary concept for education which unify master and doctoral education in one program and offer integrated main field of research area with environment, humanities, sociology, economics, history, philosophy, and international relations. Therefore, I decided to send my application to be GA student shortly after I graduated.

In upstream thinking of service and product chain, resources are placed in the most upstream part of the chain. It means resources held important role for our life, both in the present and the future. Unfortunately, rapid growth of population number increases resources demand and affects their depletion. Understanding the processes which ore is concentrated in Earth's crust is a way to sustain resources supply. Better understanding of viable ore deposits will lead us to better exploration where discovery of new resources will replace depleted ones. Accordingly, I will conduct research titled Characterization of Geology and Mineralization in Palu Gold Deposit, Central Sulawesi, Indonesia.

