

## Project Update: June 2012

June 1st, 2012

The modern 9 free TV of Thailand had broadcasted our RSG works on May 30<sup>th</sup> 2012 around 17.00. Please watch the rerun program on modern 9 TV in the following YouTube:- [http://www.youtube.com/watch?v=V7S0hvSMDdk&feature=em-share\\_video\\_user](http://www.youtube.com/watch?v=V7S0hvSMDdk&feature=em-share_video_user)

Our community people were all enjoyed and excited about this broadcasting, since the Kamphuan community has rarely been seen in the public Television before. They are all proud of their “Amazing Kamphuan” and their “Amazing Mangrove”. The TV report targeted to encourage the audience to be aware of natural resource conservation and the sustainable use of existing local resources, of which we have “Kamphuan Got Talent” and long served this purpose very well.



June 11th, 2012

### Training community groups in developing mangrove processing products

Mr. Phiraphong Phinit, a chairman of a small pilot enterprise and his members held the training on developing mangrove processing products which is “Mangrove Scent”.

The mixtures of the five mangrove species were using in this procedure.

1. The leaves of *Acanthus* sp. has herbal property which will not irritate to human skin.
2. The sheath of *Bruguiera* sp. has sticky feature will help the adherent of all other mangrove ingredients stick together.
3. The leaves of *Rhizophra mucronata* and 4. The leaves of *Rhizophra apiculata* allow good smoke.
4. The leaves of *Pandanus* sp. has healthy odour. At first, we plan to use the flowers of *Pandanus* sp., however it is very difficult to find this flower.
5. All of them will be grinded and packed together as gum benzoin (incense). The scent from this special incense will be named “Mangrove Scent” which is a mosquito repellent preventing people from contracting Malaria and dengue fever.

### Step by Step how to make Mangrove Scent

1. Clean all ingredients thoroughly, cut them into small pieces.
2. Dry them in the sunlight for 2 hours.

3. Grind all ingredients and mixed them together.
4. Filter them and keep only the fine grind.
5. Add water and mix them well together.
6. Compression molded into a cone made by plastic model.
7. Leave them until become solid then cut the cone model out.
8. Dry them in the sunlight for 3 hours.
9. Put them in the hot air oven at the temperature of 100 degree Celsius for 3 hours in order to take the moisture dry out. We borrowed the hot air oven from the local vendor.

This activity has pulled out the local intelligence as an input to create a creative output through the simple and affordable processes. The training did not only encourage knowledge and skill sharing, but also strengthen the community relationship.



June 15th, 2012

**Organising the mangrove processing training for students with the emphasis on the Mangrove product processing techniques**

We held the training on developing *Xylocarpus* sp's old fruit which can be extracted as a dye for multipurpose use for "Tie-dye Fabric" for one class room of the students and teachers from Darissalamwittaya school, Pang-Nga Province.

Our RSG project can lead the students to learn the wisdom of their local communities. We can disseminate and encourage students to appreciate the value of natural resources and raise the awareness for the conservation of natural resources sustainably.



June 19, 2012

**Attending a training session on "Halal Food"**

Ruttima Manoch served as the Kamphuan Mangrove SME Processing Products' representative to attend in the training and development of Halal products workshop. "Halal Food" means food or product that contains NO pork, lard, bacon, ham, alcohol or any of their byproducts. This activity was organized by the Ranong Province County Agricultural Extension Office.



The Training issues were on:

1. Halal Certification System. The minimum charged for registering one processed product is at 6,500.- Baht.
2. How to make the Processed Products for good hygiene products.

We were on the process of gathering the information if our edible processed products from mangrove forest can sell, especially to the Muslim community, such as Mangrove Roti, Mangrove Desserts and Mangrove Tea, etc., they can register for "Halal Environmentally Friendly Products".

June 22, 2012

There were three activities.

**Organizing the Mangrove Processing Training for students with the emphasis on the Mangrove product processing techniques.**

Miss Rissa Walters (Peace Corps/USA), our "Mangrove Networking Volunteer (Leader)", brought the students and teacher from Kamphuan School to participate in our RSG Mangrove activities.

Rissa brought the kids to see the real *Cebera Odallum* tree near our Mangrove House.

The first activity was on learning the technique of Mangrove processing product.

The old fruits of *Cebera Odallum* were handcrafted as the "Mangrove Scent Containers".



Cut half of the fruit of *Cebera Odallum*. & Mr. Phiraphong Phinit served as the trainer.

Here is the procedure:

1. Wash and clean the old fruit of *Cebera Odallum*
2. Cut half of the fruit and take the seed inside out.
3. Wash and clean then dry it in the sunlight.
4. Use the wire and shaped it like a chair for the fruit.
5. Paint it with any color.



Mangrove Scents on the Mangrove Scent Containers

All the students were able to make the Mangrove Scent Containers. They brought the Mangrove Scent Containers back from this training.

Working on a craft or art piece in conjunction with a lesson allows students to experience hands-on learning and can enhance overall understanding of the concept that is being taught.

### **Organizing the Mangrove English Class.**

The second activity, Rissa taught the students with the basic words in the Mangrove Habitat and how to pronounce it such as Mangrove Tree, Mangrove Fruit, Leaves, Roots, Mud, Sea Water, Shrimp, Crab, Bird, Fish and etc.



Many Thai students grow up thinking that their English ability is net to nil. But sometimes, a few confidence-boosting classes with a native speaker-where they're understanding more than they expected to and communicating right back-is all it takes to change their minds. As a volunteer English teacher, Rissa become a catalyst for student development.

The Mangrove English classroom is a world away from the city scene; it's a unique experience that will hopefully influence these children to nurture their local Mangrove resources.

**Organizing the activities to replant the 20 Mangrove species that are appropriate to the ecosystem for biodiversity, focusing on rehabilitation and regeneration of the existing species on the degraded area.**

The third activity, Rissa led the students to replant the Mangrove Trees at Prapas beach. All of them learn the connection between sustainable planting and sustainable harvesting in our Living Laboratory.



Rissa also reported that during the replanting activity, students demonstrated their new English abilities by pointing out the different aspects of the mangrove habitat, including vocabulary such as crab, sea water, mangrove tree, roots, mud, leaves etc.



During the RSG program, we provided them with food, beverage, study accessory kits and free transportation. They all liked our RSG program a lot, one conclusion words from them is “Awesome”. Enjoy the little things in life, for one day they'll look back and realize they were big things.

June 29, 2012

**Organizing PR campaign for the collaboration of people to use “Mangrove Scent” for preventing themselves from mosquitoes**

Ruttima Manoch brought the students from Dumrongsart high school held the PR campaign “Mangrove Scent ... Our Sense” for the collaboration of people to use “Mangrove Scent” at Suksamran hospital. We had given the free samples of the “Mangrove Scent” that were processed by the mixtures of the five Mangrove species such as the leaves of *Acanthus* sp, the sheath of *Bruquiera* sp, the leaves of *Rhizophra mucronata*, the leaves of *Rhizophra apiculata* and the leaves of *Pandanus* sp.



The doctors, nurses and others staff included with the outpatients were all amazing with our innovation. The aroma treasure from Mangrove forest is an alternative way to prevent themselves from mosquitoes and remind their sensibility to conserve the Mangroves.

Kindly find **more good pictures** in <http://mangrover1.multiply.com/>