



## YAYASAN GAIA-OASIS TEJAKULA



**ANNUAL REPORT 2012**

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## I. PRELIMINARY

### A. BACKGROUND

Om Swastyastu.

The progress and development in the region Bali in general and Buleleng regency in particular, have been seen to the rest of the villages in Buleleng regency. These can be seen from the increased activities of the community in all areas of life both socially, culturally and economically. Tejakula village is one of the villages that shown the progress and development.

In the village scale, the development is never apart from the participation of the whole society in its implementation. Gaia-Oasis Foundation as a social institution is a part of the community in the Tejakula village area who want to get involved in the construction and development of the village and other villages in surrounding areas such as the Bondalem Village, Madenan and other villages. Since its inception, the Gaia-Oasis Foundation has been trying to get involved and work with parties interested in rural development such as the Buleleng Social Department, Village Authorities as the policy holder in the implementation of rural development and with various parties (multi-stakeholder) in Tejakula village.

With partnership between the Gaia-Oasis Foundation with the Social Department and especially with the village authorities of Tejakula, Gaia-Oasis Foundation expected to be able to contribute to the local community in improving the welfare and helps to reduce some of the existing problems such as:

1. Number of the drop-outs students, especially in elementary school level, from the region border.
2. Maternal and Child Healthcare.
3. The marine and terrestrial (forests) habitate demeging.
4. Environmental hygiene and waste management system.

## ANNUAL REPORT 2012

**A. SUPPORT EDUCATIONAL, CULTURAL AND HEALTH PROGRAMS**

- 1. Continuing education and health assistance programs, especially in Selombo Elementary School (SD N 9 Bondalem) in the form of providing honorarium to the teachers and the purchase of educational facilities and infrastructure (stationery, books, uniforms, sports equipment and so on) as well as supplementary food.**

In 2012, Gaia-Oasis Foundation continued supplemental food program to all students in Selombo School. This supplemental food is given every week on Saturday. Throughout the year 2012, the supplemental food has been given 42 times to 166 students. Supplemental food program is expected to improve the nutrition of children in the school and then to increase the achievement of their learning.



Picture 2: Supplementary Food at Selombo School



Picture 1: The Student eating together in front of the class

2. Provide continuing assistance and scholarships to top students but less capable in economic terms in Tejakula Village area.



Picture 3: Giving Scholarship to the student in Tejakula under Tejakula Scholarship Project

Gaia-Oasis Foundation in cooperation with the relevant parties in the Village Tejakula and the teachers concerned in the selection of students are eligible for scholarships. We have awarded scholarships to 23 outstanding students from elementary through high school in the village of Tejakula. These number are increase compared with 2011 which is supported 18 students. Some of the childred awarded the scholarship for

the second times this year, because they could prove their achievement at the school.

### 3. Continuing training of existing art skills and training and support meejahitan program.



Picture 4: Balinese Dancing Class at Selombo School

The practice skill such as Balinese dances and Balinese orchestra exercise has supported and still runs to this day. For Balinese dance

classes, children have been

taught several types of dances that are tailored to the level and ability of the students. The dances have been taught, such as: Puspanjali Dance, Puspawresti Dance and Sekar Jagat Dance for children aged 6-8 years, Belibis Dance and Cendrawasih Dance for children aged 9-12 years. The boys will taught Wirayuda Dance.

**4. Providing nutrition and health education from an early age to children in the form of modules, documentary screenings, and games.**

This year the program is slightly modified to suit the needs of the child. Our Foundation have established cooperation with managers ECD (Early Childhood Education) in the village of Tejakula by providing support in the form of donations to the ECD in 3 hamlets in the village Tejakula such as: Kelodan ECD, Kajanan ECD, Tegal Sumaga ECD. This donation was given in order to help support the provision of healthy and nutritious food to children early childhood education is concerned. Which teachers will also provide nutrition education to children by introducing healthy food they get and explain their health benefits. So hopefully the kids will get good nutrition in their learning in order to support the growth and development of children. Besides also gain knowledge about the benefits of healthy food that they get on early childhood where the children learn while playing.



## B. ORGANIC CROPS AND AGROFORESTRY DEVELOPMENT

1. Continuing organic crop farming activities in the Gaia-Oasis Foundation with planning and technical preparation to make plots with facilities and infrastructure, such as nurseries, where the growing media preparation, irrigation systems and so on.



Picture 5: Our Organic Vegetables



Picture 6: Vegetable Seedling

The program is a continuation of previous years. In 2012, the program has continued to progressing from year to year. In terms of planting techniques and facilities and infrastructure, the Penyakap have a lot to learn and is now using completely organic methods. The Penyakap already know exactly how to make good planting medium, ie by making a

hole in the ground and fill it with organic waste and letting it decompose before planting with plants that have been planned.

For the irrigation system, we and of course with the Tenant Farmer, have agreed to use the method for watering the bamboo reed. This meant that the plants which have grown still get water even in the dry season. The concept of this method is to stick the bamboo sticks that have been hollowed out section-specific parts and pour water into it. This method can plots water seep into the ground and can provide enough water for the summer. This method was quite effective to deal with the reduced volume of water from the water source in the dry season. It also be able to make efficient use of water because the water will be absorbed by plant roots stem directly.

In 2012, the summer longer than previous years, but it does not significantly affect our fruit crops. Our mangos and rambutans can still produce fruit towards the end of the year (range from September to December 2012). **In 2012, we successfully market organic mango for the first time.** The quantity of our mango harvest this year is 337 Kg. The harvest is sold in higher price than the normal market price. This is a very

encouraging result for us and also farmers who have struggled to realize the organic farming system in Gaia -Oasis Foundation land for few year earlier.



Picture 7: Organic Mangos First Harvest

## 2. Increase the diversity of organic crops such as vegetables and fruits.

Base on the progress that has been made of the cropping system and the development of organic fertilizer Gaia-Oasis Foundation agreed to increase the diversity of organic crops are grown, the addition of both types of vegetable crops and fruits. The type of plants that have been planted to date is as follows.

### A. Long Term Fruit Commodity

Apocado (*persea americana*), Star fruit (*Averrhoa carambola*), Blimbing wuluh (*Averrhoa bilimbi*), Cocoa (*theobroma cacao l.*), Pome (*punica granatum*), Durian (*Durio zibethinus*), Jambu air (*Eugenia aquea*), Jambu biji (*syzygium malaccense*), Orage (*citrus sinensis*), Coconut (*Cocos nucifera*), Kedondong (*spondias dulcis*), Coffee (*coffea Arabica*), Mango (*Mangifera indica*), Mangosteen (*Garcinia mangostana L.*), Passion Fruit (*Passiflora flavicarva*), Jackfruit (*Artocarpus heterophyllus*), Pala (*Myristica fragrans*), Rambutan (*nephelium lappacenum*), Snackfruit (*salacca zallaca*), Sawo (*Manilkara kauki dub*), Sirsak (*Annona muricata*), Sukun (*Artocarpus altilis*).

### B. Short Term Commodity

Corn (*Zea mays*), Pineapple (*Ananas comosus*), Papaya (*Carica papaya*), Banana (*Musa paradisiaca*), Watermelon (*Citrulus vulgaris schrad*), Sugarcane (*Saccharum officinarum*).

From all the types of plants we have planted in the area, there are only kind of citrus can not grow properly. Most of the citrus crop died before

they could bear fruit. In our assumption CPVD virus still contained in the current farm soil. However, further scientific research is needed to justify this assumption.

Cocoa plants showed the best growth among other types of plants. It is seen from the shape of the leaves and stems and shoots of plants that have been grown chocolate. The fruit that was produced in the year 2012 we use for breeding. Seeing the excellent development of the cocoa plants hence we thought to increase the amount of investment in the future.

For vegetables, we have planted species Basilikum, Amaranth (*Amaranthus caudatus* rumph), pepper (*Capsicum frutescens* L), cucumber (*Cucumis sativus*), rokula, kale, curly salad, celery, Chinese cabbage (*Brassica chinensis* L), Sere (*Andropogon citratus* dc), eggplant (*Solanum melongena* L.), tomatoes, and nuts such as long bean (*Vigna sinensis*), as well as tubers such as cassava (*Manihotesculenta*), suweg (*Amorphophallus campanulatus*).

In addition to fruit and vegetable crops, we also plant herbs such as turmeric (*Curcuma oomestica* val), ginger (*Zingiber officinale* rocs),

gambongan, galangal (*Alpinia purpurata* k.schum), aloe vera (*Aloe ferox* miller), Kencur (*Kaempferia galanga* L.) and bokashi.

**3. Deepening techniques used in organic farming as a good preparation for the planting medium, the use of organic fertilizers and green manure, mulching, crop rotation and crop sustainable and organic farming techniques others might still be possible.**

Gaia-Oasis Foundation now actively making organic compost either liquid or solid. Base on the techniques we have been learnt, the Tenant Farmer have been able to make compost on a regular basis according to the need of planting.

For liquid compost, the tenant farmer usually mixing cow dung with EM4 (effective microorganism) and sugar into a tub of water with a certain composition have been studied. For the solid compost, the tenant farmer made it by mixing organic waste with cow manure supplemented with EM4. To speed up the process of destruction / decomposition of organic waste, we use a shredder (grinding machine) to grind the waste into smaller pieces before being mixed with the other ingredients.

So far it has seen the results of the use of organic fertilizer for our plants. The Fruits plants and vegetable looked more fertile than the first time switching from non-organic fertilizers to organic fertilizers. This is probably because the soil has begun to adjust the cropping pattern and nutrients have returned to the use of organic fertilizers. The harvests are growing few times than the earlier years.

In the future we will develop our farming techniques by visiting the other places that have been succeeded in organic farming implementation. We expected to add to our knowledge especially in the development of organic seedling. So the quality of the plant can be maintained.

**4. Looking for marketing of organic crops, organic products and monitor these activities.**

Although there are no laboratory tests on the quality of our agricultural land, but referring to the conditions of our existing plants, we can see that the quality is better than the previous year (during the transition time).

Base on the information above, our crops has increased. For some commodities, the results have exceeded our kitchen needs. This year we have started to market our products. So far we have found a partner who

wants to buy our organic products mainly to the results of horticultural products such as mangos. But we keep explore the other partnership opportunities. So we can expect future market products other products like vegetables. We hopes the local farmers will be willing to change their farming practices to organic farming is healthier.

### **C. COASTAL AND HILL REGIONS REHABILITATION AND ENVIRONMENTAL HYGIENE**

- 1. Support the implementation and monitoring of the DPL (Local Marine Management Areas) area that have been formed, activity monitoring coral reef damaged by global warming and fishing with cyanide poison together with Baruna Berata Fishermen Group and Reef Check Indonesia.**

This program continues to be implemented by the Gaia-Oasis Foundation in collaboration with Reefcheck Indonesian and Baruna Barata Fishermen Group through oversight activities such as keeping the core zone of DPL from any fishing activities.

Throughout the year 2012, there were a few times in the DPL core zone offense. But the type of offense we do not conclude in a dangerous level.

The type of offense is shore fishing in the core zone, catching fishes with



spire and in some cases of violation of a dive to look for octopus in shallow water. It is a lot going on during the school holidays and octopus and squid seasons. Most of the violations occurred due to the ignorance of the public, especially young people of the existence of Local Marine Management Area. So the sanction is still in the form of verbal admonition and explanation of the existence of Local Marine Protected Zone. We expected the amount of the infraction will be decrease next year.

The 3 parties also did coral monitoring and rubbish cleaning under water regularly. The last event was held in the month of the date August 3<sup>rd</sup>, 2012 by the Gaia-Oasis Foundation, Reefcheck Indonesia, and Baruna Berata Fishermen Group.

We did the resque training to the fishermen group of Tejakula, Bondalem, Penuktukan and also Gaia-Oasis Foundation staff in cooperation with the Indonesian Red Cross on June 1, 2012. This programe initiated by Reef Check Indonesia. This exercise was held in the hope of providing knowledge to the participant in providing first aid in case of accidents at sea.

As a form of concern to the coastal region on 25 April 2012, to coincide with Earth Day, Gaia-Oasis Foundation with Reefcheck Indonesia, Baruna Berata Fishermen Group and Village Leaders of Tejakula celebrate Earth Day by doing a beach clean-up and the addition of the core zone boundary marker buoys to assert the existence of the core zone area of LMMA. This is done with the aim to introduce LMMA to locals and reduce the breach in the core zone because of its increasingly obvious.



Picture 8: Put the buoys at the border of DPL Core Zone



Picture 10: Donating Life Jacket to support the local fishermen project



Picture 9: Clean Up on Earth Day 2012

To support income of local fishermen, Gaia-Oasis Foundation handed over the management of Dolphin Tour to the fishermen group in condition they should set aside 10% of revenue of the Tour income for the coral reefs conservation in the LMMA. It is intended to train fishermen independence in managing finances and improve responsibility towards the existence of coral reefs in LMMA.

- 2. Continue and support the early phase reforestation program with a focus on critical land areas and areas prone to landslides and watershed along with local farmer groups in the form of reforestation and tree planting activities in cooperation with the Forest Service and the local Environment Agency.**

Reforestation program that began in 2010 is now in the maintenance phase. Teak and mahogany trees planted have survived the weather and environmental factors.

Gaia-Oasis Foundation also participated in advanced reforestation program initiated by the Head of Tejakula Village and the Forest Service on December 21, 2012 in the hill of Tejakula village (Yeh Lalang Temple and Jati Temple). We all planted 20,000 trees in total.

The reforestation program is a follow up of the plan to create a community forest Tejakula Village area and prevention of soil erosion and landslides in the hill of Tejakula village.

We expected in subsequent years Gaia-Oasis Foundation can be proactive in the community forestry program. By collecting more information and data from programs that have been implemented

previously both from the village and from Gaia itself, we hope to provide more contribution in the program going forward.

**3. Support activities to maintain environmental hygiene, in collaboration with other NGOs and local village government to find solutions to garbage problems in Tejakula village such as government program to build the landfill.**

Gaia-Oasis Foundation continues the efforts to support the waste management program with Tejakula Village by helped introduce this program to a wider sphere via the internet and media relations to other charities.

In 2012, we managed to bring colleagues from foreign charitable foundation to undertake an early review on waste problems faced. The initial review was conducted for 2 weeks on May 2012 with the collection of information and data for later follow-up. This initial review is expected to be a good start for the waste management program in the village of Tejakula. The data is expected to be a reference to find the right solution to the problem of dealing with waste in the village Tejakula.

In addition to conducting the initial review, Gaia-Oasis Foundation also a facilitator for foreign charitable foundation to socialize about the importance of managing waste and harm that can be caused in the future if the waste is not managed to the school children. The event was held in June 2012, and followed by the students from the first and second grade of the Tejakula High School (SMA Negeri 1 Tejakula).



Picture 11: Waste management seminar at the High School of Tejakula (SMA Negeri 1 Tejakula)

Through these activities are expected to enhance awareness of the younger generation in waste management in their neighborhood. The expected results of this program are as follows. Students are able to sort

the waste into two groups: organic and non-organic, have two bins in their homes to get through the rubbish, would bring their own bags when shopping so as to reduce the use of plastic bags, as well as willing to disseminate information about the management of this waste to friends and surroundings.

**4. Doing Coordination with other relevant agencies such as the Department of Marine and Fisheries and the Forest Service to obtain support and assistance in the conservation program.**

Gaia-Oasis Foundation as a NGO that is also concerned with the preservation of coral reefs and coastal areas, always maintaining coordination with relevant agencies such as the Maritime Department of Buleleng regency in order to be a synergy between government programs with our programs so that the purpose and development of coastal areas, especially in coral reef conservation Tejakula village can go hand in hand.

After Hexadome installation in 2011, in 2012 we keep maintain coordination with Marine Department of Buleleng regency in form of accomplished invite them in maritime training activities organized.

## D. SPIRITUAL PRACTICE EVENT MANAGEMENT

1. In cooperation with the Indonesian Hindu Association (PHDI Bali) in this case PHDI Buleleng regency, and/or other authorized activities to introduce Yoga Asana practice and other activities, like pasraman exercise for school children by involving experienced foreign Yoga teachers.



Picture 12: Introduce Yoga to the student of Selombo School

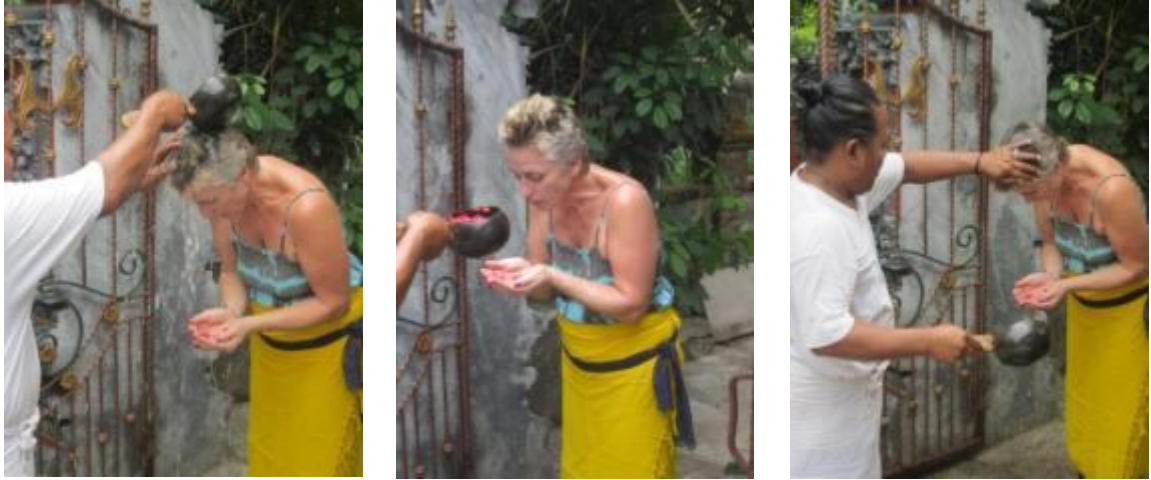
Gaia-Oasis Foundation has invited some yoga teachers and provides training to introduce yoga to children directly. Throughout the year 2012 not less than 5 yoga teachers have been teaching yoga to children at the elementary school and the surrounding Abasan. The yoga teachers teach every Saturday during the school time. So overall the yoga teacher has taught yoga to children as much as 20 weeks. The children were very



enthusiastic in yoga training is taught because it is good to their health, and it was taught in fun method. Not less than 30 children attend this training every week. We also supports activities called "Pasraman Kilat" undertaken by SD N 9 Bondalem in July 2012. In these activities, we introduce the student about their ow culture and teaching them in making some simple offering equipment.

- 2. Continue and expand relations already established with Jro Tapakan, Jro Balian and Balinese Priest in an effort to introduce a system of traditional Balinese treatment to foreign guests and vice versa in order to create a good understanding of traditional Balinese medicine and the emergence of a sense of mutual understanding and mutual respect.**

Gaia-Oasis Foundation continues to build and expand relationships with Jro Tapakan, Jro Balian (Healer) and Balinese Priest which has been well established since the previous years. This relationship is also increasingly going well because of the interest of the guests who want to know and try traditional Balinese treatments.



Picture 13: Cleansing Ceremony

#### IV. CLOSING

Gaia-Oasis Foundation focusing in supporting and encouraging the local community to be aware on their on environment.

We would like to thanks to all the donors for the supports. T he projects and activities are possibly running because of the incredible supports of the donors.

Any donations are very much needed and appreciated to set continues support in depeloping the local community and local environment.

### 1. Bank Detail of Yayasan Gaia-Oasis in German :

#### **Foerderverein Gaia-Oasis e.V.**

DKB Deutsche Kreditbank AG

Wismarsche Str. 154

19053 Schwerin

Konto - Nr.: 100 984 6823

BLZ: 120 300 00

### 2. Bank Detail of Yayasan Gaia-Oasis in Bali :

#### **Yayasan Gaia-Oasis**

Bank Central Asia (BCA)

Singaraja-Bali, Indonesia

Account number: 827 0344 110

SWIFT Code CENA IDJA

### 3. Bank Detail of Yayasan Gaia-Oasis in Australia :

#### **M.A Taylor**

Bank: Shell Employees Credit Union Ltd. Rosehill,

NSW. 2142,

BSB 802-820,

Acc, No.100005880