



## **Our Purpose**

To improve human health by supporting a range of free or cost-subsidized programs which provide sustainable benefits to the general public living in disadvantaged communities. HAS programs are intended to benefit people on the island of Sumbawa, Indonesia but are not limited to any particular geographic location. We operate exclusively for charitable and educational purposes within the meaning of 501 (c) (3) of the internal revenue code.

## **Our Story**



In 2014, founder Jack Kennedy contracted malaria following a visit to Sili village on Cempi Bay in Central Sumbawa. This personal experience opened his eyes to the unsolved problem of malaria in Eastern Indonesia. Later that year, Jack joined with two close friends to provide the seed money to begin HAS's work. The original mission was to control malaria in three hamlets named Sili, Maci and Panubu within three years for "the price of a car".

## **The Unmet Need**

Our service area is a remote, mostly roadless region. The residents live without running water, toilets, or shops. Their access to health services is minimal. Many villagers are undernourished, especially during the long dry season. Health agencies have great difficulty delivering services to such remote communities. Effective anti-malarial drugs supplied by The Global Fund sit in boxes at the regional hospital while just over the mountain pregnant mothers and their children needlessly suffer repeated bouts of malaria during the rainy season. In such communities some 20% of children either die from malaria or are permanently disabled by it before reaching the age of 10. As a result, economic and social development are stunted while thousands of villagers suffer from treatable or preventable diseases.

Health Access Sumbawa is addressing this unmet need.

## **A Broader Health Mission**

The goal of controlling malaria in three hamlets within three years was accomplished in November 2017. There remains much to do, however

In 2018-2019 HAS will double the size of its service area, and continue programs that promote basic health care, adequate nutrition, clean water, public toilets and environmental programs.



## Organization Structure

Health Access Sumbawa Inc. (HAS INC) is recognized by the IRS as a tax-exempt public charity. It is registered in Maine USA. We are governed by a board of six directors, all of whom are donors and none of the officers or directors receive any compensation from HAS. John (Jack) Kennedy is President.

HAS INC created two sister organizations with complimentary goals and governance. HAS INDO is our non-profit in Indonesia. The nurses, social workers, and program managers who implement the programs in Sumbawa all work for HAS INDO.

We are in the process of organizing a third public charity, HAS OZ, to facilitate donor support in Australia.

## Programs

### Malaria Control/Primary Health care



*“Control malaria and operate one or more health clinics which provide free or subsidized primary health care to those without access”*

There was no malaria control program on this roadless coast when HAS began its work. The program centers on our health clinic in Sili village which has a laboratory for diagnosing malaria. We currently employ three part time nurses, a teacher-social worker, a farm manager and an administrator. The malaria control process is as follows. We gain community support, take a census, and then number every home so patients can be tracked. In Phase II we hang enough treated bednets in homes so 100% of the population has protection from mosquitos while they sleep. Phase III, we screen 100% of the population using malaria microscopy technique and treat all positive cases with effective drugs which we get for free from the health department. Thereafter, HAS continues to monitor the population for malaria as part of our broader public health program.

### Clean Water / Sanitation / Nutrition / the Environment

HAS installed the first running water and first toilet in Sili village, built a community toilet/bath house, and organized a fenced irrigated community garden on the clinic grounds to supplement villager's diet.

### Food Security Solutions



Undernutrition is prevalent during the long dry season which runs June through November. HAS is improving the deficient diet by introducing irrigated, fenced kitchen gardens and small orchards. The key elements to these programs include low-cost irrigation systems, living-fence field enclosure systems, and nutrition education. The programs are organized as a Garden Club for children and an agricultural cooperative for adults.

HAS recently launched a major effort to introduce nut farming to our service area, with special emphasis on cashews. The company will plant 400 cashew



nut trees on 2 hectares this fiscal year, and plans to scale this up substantially in the years ahead through a co-op program with independent farmers.

### Clean Water Solutions



Generally there is no running water in these villages. Drinking and bathing water comes from a handful of dug wells in village centers. The people drink the water without boiling or filtering so it is subject to contamination by parasites. HAS develops new wells (usually two per year) and funds point-of-use filters which remove all bacteria and viruses. These inexpensive filters can be back-washed to unclog them and can process up to a million gallons of water before replacement.

### Sanitation Solutions



There are few toilets in this region. Villagers relieve themselves in the bush near their homes. Poor sanitation in general is a health issue. Flies move from feces to food, spreading disease.

In 2017 HAS built the first public toilet / bathhouse on the clinic ground, and will fund two farm toilets this year. Going forward we will provide the site evaluation, design and some materials to community groups which supply the labor. Septic Site planning is increasingly an important role for HAS. There is a tendency to build privies too close to wells because village homes are

very close to one another.

## Recycling Solutions / Plastic Waste into Infrastructure



Tons of discarded plastic bags and other waste pollute roadsides, rivers and beaches throughout the developing world. For an island nation like Indonesia, most of this ends up in the sea.

HAS recognizes an important opportunity to contribute to the recycling solution in Sumbawa and we are experimenting with recycling techniques. It is possible to build water tanks, field enclosures, and storehouses from eco-bricks of various kinds. In 2017-2018 HAS built an animal containment wall across the front of the clinic using bottle bricks. We are developing a promising technique of mixing shredded plastic bags with earth to make adobe eco-bricks.

## The Future- A community Development Laboratory



HAS intends to stay deeply involved with these communities over the long term. We will build a simple eco-lodge or beach-camp in Sili village to accommodate visiting staff and paying volunteers. This will allow us to invite public health professionals, teachers, farmers, and students to study, contribute to, and learn from this dynamic experiment in remote community development.



## Health Access Sumbawa Inc.

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**More Information:**

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