

## SKYBOX™ REPORT

<b>1.1 Name of Project</b>	SkyBox™ Project, Kampung Teraling, Malaysia
<b>1.2 Name of implementing organisation/s</b>	Independent project by L. W. Sim and daughter Lara Sim With the help of Cordillia Lowe for providing contact with SkyJuice™ Foundation.
<b>1.3 Project Location</b>	Bandar Muadzam Shah Pahang, Malaysia Name of village : Kampung Teraling
<b>1.4 Project summary</b>	No source of clear running water. Villagers drink water directly from holes dug in ground. In charge of maintaining SkyBox™ : Bibi ( Village headman )
<b>1.5 Community Setting</b>	The beneficiaries are 33 villagers that make 10 families. Expected outcomes - clean water - better school attendance - better job attendance - healthier bodies Comments: Skybox was easy to assemble and maintain A rectangular storage container which was sourced locally was used to house filter.
<b>1.6 Project Date</b>	27 January 2014

**Comments:** We are in contact with a village called Kampung Teraling. On our first contact with the village on the 30<sup>th</sup> of August 2013, we were shocked to find that their source of water used for drinking and cooking was from a muddy hole in the ground. We also noticed that the villagers tried their best to find a better water source by digging countless of waterholes around the village - all of which remained a muddy brown.

We first attempted to fix a basic filament water filter for the village, but the filter was ill equipped to clean the brown (turbid) water safely for drinking. An alternative solution was for the villagers to travel by motorbike to town to buy water.

This however, is not a practical solution as the villagers cannot carry a lot of water per trip, and can barely afford store bought water or petrol. Therefore, the villagers either drink insufficient water or drink straight from the muddy waterhole. “We do not choose to drink this water, but we do not have a choice. When we cook rice with this water, even the rice turns a brown in colour,” said one of the 33 people from this village.

It is good that a few weeks later, my aunt Cordillia Lowe, who resides in Melbourne, Contacted the SkyJuice™ Foundation and arranged supply of 2 SkyBox™ filters. My father and I bought basic rectangular storage containers and custom fitted the filters into containers. I must praise SkyJuice™ Foundation for making SkyBox™ very portable and easy to assemble.

**The performance of the filter is remarkable. What was once brown water, taken directly from the water hole, became crystal clear water. I am impressed at the period of time the filtration process required, as a large bucket of clearwater can be filled within 30 minutes.**

**The villagers are truly grateful to SkyJuice™ Foundation and their donors.**



**Photo 1.0 / 2.0: locally sourced storage containers were adapted for the SkyBox™ membrane**



**Photo 3.0 / 4.0: Kampung Teraling (village) and Kampung Teraling water source**



Photo 5.0 /6.0: Contaminated water being filtered through the SkyBox™



Photo 7.0: Pak Long (in grey) is an elder in the village, and Bibi (in red) is in charge of the filter. Lara (in blue) is a volunteer



**Photo 8.0: Water comparison, pre and post SkyBox™ filtration**

