

# PROJECTS FOR HAPPINESS

## 2015



### Application Form

NAME OF PROJECT: Eco-Soap  
NAME: HAFIY HANANI BT SARJU  
COURSE: BACHELOR IN CHEMICAL  
ENGINEERING TECHNOLOGIST (hons) IN  
PROCESS  
DATE OF PROJECT: 26<sup>th</sup> SEPTEMBER 2015

UNIVERSITY: UNIKL MALAYSIAN  
INSTITUTE CHEMICAL & AND  
BIOENGINEERING TECHNOLOGY  
NAME OF BANK: CIMB BANK  
ACCOUNT NO: 7043972346  
CONTACT NO: 012-7457946  
EMAIL: hafiyhananisarju@yahoo.com

### INTRODUCTION

Cooking oil is one of essential things in our life. Everyday there will be a lot of used cooking oil produced by households and restaurants every day. Currently, there is around 220,000,000 litres of used cooking oil is being dispose into drains every year in Malaysia. Waste oils of households have been ignored by used oil collector who only source for the major grease generators such as restaurants. Pouring down the grease into the drains not only pollute the environment, but also cling the inside of the pipes and sewer system.

Instead of throwing it away, why not we change into something valuable? We come with an idea to change used cooking oil into soap. However, it is a decorative soap because further research need to be conduct in order to ensure the safety of the soap to be use. This kind of idea can provide job opportunities to the community of Taboh Naning which is located near our university. Most of the villagers work as a farmer or run a small business at Taboh Naning. By creating this product, it will be an adding up for their income and having more cleaned environmental as well.

### PROJECT OBJECTIVES

- To provide more clean environment in our community
- To share the knowledge of changing used cooking oil to something valuable with the villagers of Kg Cherana Putih, Alor Gajah, Melaka.
- To provide job opportunities to the interested villagers in the village and generate their income. .
- To apply the 3R concept which is the Reduce, Reuse, Recycle to the society especially to the student because this concept is environmental friendly.

## Application Form

NAME OF PROJECT: Eco-Soap  
NAME: HAFIY HANANI BT SARJU  
COURSE: BACHELOR IN CHEMICAL  
ENGINEERING TECHNOLOGIST (hons) IN  
PROCESS  
DATE OF PROJECT: 26<sup>th</sup> SEPTEMBER 2015

UNIVERSITY: UNIKL MALAYSIAN  
INSTITUTE CHEMICAL & AND  
BIOENGINEERING TECHNOLOGY  
NAME OF BANK: CIMB BANK  
ACCOUNT NO: 7043972346  
CONTACT NO: 012-7457946  
EMAIL: hafiyhananisarju@yahoo.com

- To reduce the cooking oil waste disposal produced by converting it into something useful.

## ACTIVITIES AND TASKS

### STAGE I:

- Awareness campaign about the importance of preserving the environment.
- Collaborate with near restaurants and café to collect the waste cooking oil.
- Make the EcoSoap in bioprocess laboratory according to the method given, identify the precaution need to be taken and also simplify the method on order to make it easier for the community.

### STAGE II:

- A launching on sharing session with Kg Cherana Puteh, Alor Gajah, Melaka

Tentative:

8.00 Gathering at Kg Cherana Puteh, Alor Gajah, Melaka  
8.30 Breakfast distribution  
9.00 Reciting prayer  
Welcoming speech by Head of Kg Cherana Puteh  
Launching on EcoSoap by VIP  
10.00 Explanation on making soap from waste cooking oil  
Briefing and demonstration on how to make soap from waste cooking oil  
12.30 Lunch distribution

## Application Form

NAME OF PROJECT: Eco-Soap  
NAME: HAFIY HANANI BT SARJU  
COURSE: BACHELOR IN CHEMICAL  
ENGINEERING TECHNOLOGIST (hons) IN  
PROCESS  
DATE OF PROJECT: 26<sup>th</sup> SEPTEMBER 2015

UNIVERSITY: UNIKL MALAYSIAN  
INSTITUTE CHEMICAL & AND  
BIOENGINEERING TECHNOLOGY  
NAME OF BANK: CIMB BANK  
ACCOUNT NO: 7043972346  
CONTACT NO: 012-7457946  
EMAIL: hafiyhananisarju@yahoo.com

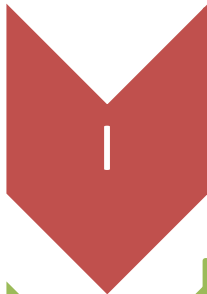
### PROJECTS BENEFICIARIES

This project can give a big impact to the environment and to the community as well, In terms of environment, it preserve the environment where it reduce the amount of waste cooking oils that being thrown. Besides that, in terms of community this project contribute to them to generate money and increase their income. Community also will be more aware on preserving the environment.

### EXPECTED PROJECT RESULTS

This project is expected to be succeeding, which more people will be aware on the bad impact of unmanaged waste cooking oil. Some of them, aware bout the bad impacts, but not really know on how to deal with it. Next, it is expected to be a e new source of economy to the villagers of Kg Cherana Puteh. Alor Gajah. Melaka. This project also can be expand to other area in Melaka and other states as well.

## PROJECT TIMELINE



- Collaborate with restaurants near Taman Simpang Ampat to collect used cooking oil.
- Make the EcoSoap by using the method provided by Madam Suzanna at Bio Lab and identify the safety precaution.
- Try to market the product at social media and shop near Taboh Naning to get feedback from customers.



- Create a small centre at Taboh Naning where the collecting of used oil and making EcoSoap will take place.
- We choose Taboh Naning at the early stages because it is near to our campus so will be easily monitored.
- The sharing knowledge session will be helped by our lectures from our university.
- A big campaign will be done to increase cooking oil collections as well as communities' awareness.



- The soap that has been made will be marketed to the nearby store.
- The promotion will be by poster, social networks and by collaborating with Majlis Perbandaran Alor Gajah to enlarge the marketing area.
- Upgrading the quality of EcoSoap by adding up the colour and variety of odour to attract customer and varies the performance of the product.



- Varies the product from used cooking oil such as producing biodiesel from used cooking oil.
- Open a new centre same as at Taboh Naning at other area in Alor Gajah, Melaka.
- Enlarge the marketing area to other district of Melaka and in Malaysia.

## BUDGET

Project Expenses			
Items	Budget	Actual Cost	Remark
Direct Equipment and Supplies	1500	1300	
Marketing and Event Support	900	800	
Staffing Costs	400	300	
Miscellaneous	250	200	
<b>Total (A)</b>	<b>3050</b>	<b>2600</b>	
Student Expenses*			
Items	Budget	Actual Cost	Remark
Travel	150	100	
Lodging	0	0	
Communications	150	100	
Food (Biweekly)	500	400	
Miscellaneous	0	0	
<b>Total (B)</b>	<b>800</b>	<b>600</b>	

<b>Grand Total (A +B)</b>	<b>3850</b>	<b>3200</b>
---------------------------	-------------	-------------

<b>TOTAL FUNDS REMAINING:</b>
10650

<b>TOTAL EXPENDITURES:</b>
3200