

PH19028  
LAB VACATION

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CHEMISTRY DAY (28<sup>TH</sup> SEPTEMBER 2019)  
VISIT FROM SEKOLAH DATO ABDUL RAZAK, SEREMBAN (13<sup>TH</sup> NOVEMBER 2019)  
CHEMISTRY CARNIVAL (30<sup>TH</sup> NOVEMBER 2019)

CHEMISTRY LABORATORY BUILDING (NEW),  
DEPARTMENT OF CHEMISTRY, FACULTY OF SCIENCE,  
UNIVERSITY OF MALAYA

454 STUDENTS (AGE WITHIN 5 – 20 YEARS OLD)

## A. SUMMARY

### B. FUND RAISING CONTRIBUTIONS

<b>INCOME</b>	RM
Monetary sponsorship - Khind Starfish Foundation	2700
Monetary sponsorship - Crowdfunding	425
Monetary sponsorship – Department of Chemistry	900
T- Shirt & Merchandise Sell	1597
Registration Fees (Chemistry Carnival)	2240
Vendor Renting Fees	1040
On-Site Activities' Coupon Fees	502

## C. DETAILS

### I. DIFFICULTIES AND CONSTRAINTS

#### Venue Constraint

Some of the laboratories consist of hazardous chemical hence they are not available. One laboratory can cater up to 30 students only.

#### Budget Constraint

It is difficult to rent a bigger space as it is very expensive costing up to RM 4000 per day. This becomes a drawback as we need money to provide tent for the exhibitors and vendors.

#### Time Constraint

Limited time to set a meet up between lecturers and volunteers are also one of the difficulties faced. This caused lack of interactions and communication since most things were done via Whatsapp. It was not efficient and led to some miscommunications as it is difficult to clarify things virtually.

### II. OUTCOMES

**What worked well?** Flow of program, experiments held, no unwanted incidents, good feedbacks from participants

**What didn't work well?** Too many walk-ins during registration, number of volunteers was not allocated properly causing some team to be out of hands

## **IV. IMPACT & SUSTAINABILITY**

### **Exposure towards Chemistry/Science fields**

Chemistry Carnival held had successfully gave exposure to kids about chemistry, at such young age because there were a big number of participants for category A, aged from 5-9. As they were still young, chemistry was introduced to them in such fun and colourful experiments such as magic colour changing solution, elephant toothpaste and making ice cream from nitrogen gas. Furthermore, the participants were also involved in the experiments, not plainly demonstrations thus they gained new knowledge as well as first hand experiences in interesting chemistry experiments.

Next, there were also participants from category B and category C, which aged from 12-17 and above 18 respectively. For these participants, they were guided for self-handling laboratory experiments. It was beneficial for them as they already learnt the basis and fundamental theory in chemistry, and thus they could improve their understanding more by own observations experimentally. Some feedbacks taken from them; they were eagerly interested in taking chemistry course for their higher-level studies soon. For category C especially, they were just a step before entering the educational institutions for their first bachelor programme, hence they made inquiries regarding chemistry courses in University of Malaya.

### **Broaden Perspective**

This event had broadened perspective of not only students but parents since there were many parents accompanying their children during event day. From the hands-on experiments, fun on-side activities, exhibitions by Chemistry-related companies (Lynas, Jabatan Kimia Malaysia, Institut Kimia Malaysia), this had shown how Chemistry works in daily life and the importance of Chemistry that people might not know.

### **Enhancing students' soft skills**

The volunteers and event crews gained great experiences for themselves. The team managed a good teamwork in order to ensure the event a success for all. Volunteers could improve their soft skills and widen their networking connections.

**Is there a future for your project?** Absolutely yes, from the feedbacks received, the crowd requested the event to be held annually.

*This event had shown how critical S.T.E.M fields towards the advancement of Science & Technology in achieving better life. However, people often misunderstood that Science subjects are difficult and has no future. If the new generations shift to non-Science field, who will be in charge in developing the nation to be an advanced country with advanced technologies?*

