



EVENT PROPOSAL



Creation

Chemical Engineering Fair and Competition



1. Event Name

CREATION 2017

2. Event Theme

Research and Technology for Sustainable Development Goals

3. Event Basis

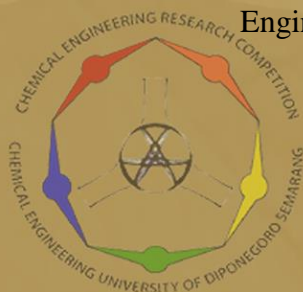
1. University's *Tri Dharma* principle.
2. Diponegoro University Chemical Engineering Student Association Research and Technology Department 2017 program.
3. Memorandum Of Understanding (MoU) between Chemical Engineering Student Association of Engineering Faculty UNDIP with BKKMTKI in *Musyawarah Nasional VIII* on 2005 at Yogyakarta.

4. Event Background

Based on the university's *Tri Dharma* principle which is education and educating, research and community service, research development is highly seen as an important factor to improve the quality of education and general knowledge in Indonesia as well as Southeast Asia.

Looking at the recent developments, a program is needed to improve the quality of research not only on the national level but also in the Southeast Asian region, which could increase innovative research works and benefits Indonesian and Southeast Asian citizens. Considering this reality, Chemical Engineering Department of Diponegoro University Engineering Faculty, Chemical Engineering Student Association cooperates with Indonesia Chemical Engineering Student Events Coordination Board (BKKMTKI) present a research competition for all Chemical Engineering students in Southeast Asia. *CREATION 2017* on the ASEAN level is expected to encourage research development from students, especially on the Chemical Engineering field. The chosen theme is "*Research and Technology for Sustainable Development Goals.*"

From the theme, it is hoped that Chemical Engineering studies can be applied on the community, one of those is in *UKM (Unit Kegiatan Mahasiswa)* development. Hopefully this competition could form new intellectual awareness among Chemical Engineering students in Indonesia.



Brief History:

CREATION was originally an event which occurred only once in 2 years. However since year 2014, *CREATION* took place once a year. *CREATION* was known as *LPMTKI*. First *LPMTKI* was held on 2007. On 2011, HMTK carried out *LPMTKI* for second times which is seminar and presentation of the research result.

On 2013, third *LPMTK* was held. Third *LPMTKI* was different with *LPMTKI* before which is have per room seminar. This different concepts of seminar is the result of innovation between HMTK and BKKMTKI. For research competition still used same concept, which is presentation of the research result. On HMTK 2014, HMTK carried out *LPMTKI* with “*Energy Days*” as the event name and carry out every year. Next year, *LPMTKI* was scaled up into the larger scope. On HMTK 2015, *LPMTKI* was changed into *CERCo* (*Chemical Engineering Research Competition*) and the series of event name was *CREATION* (*Chemical Engineering Fair and Competition*) as the first step into international arena. Then on HMTK 2016, *CREATION* consisted of *CERCo* and *Petrochemical* national seminar. On *CERCo* 2016, all of technical rules is created in English.

Chemical Engineering Fair and Competition

5. Event Objective

CREATION 2017 aims to:

1. Improve the ability to create innovative and useful research works.
2. To plant and grow research habits in student circles.

6. Event Target

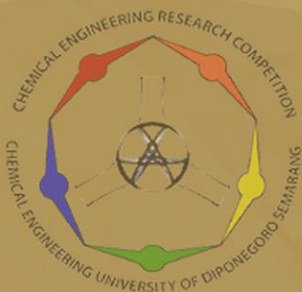
CREATION 2017 targets:

1. Seminar

Targeted for public

2. Chemical Engineering Students Research Competition

Targeted for all Southeast Asian Chemical Engineering students



7. Event Structure

CREATION 2017 is a series of events from *Chemical Engineering Research Competition* (CERCo). *Chemical Engineering Research Competition* (CERCo) itself is an event which is presented by Diponegoro University Chemical Engineering Student Association (HMTK). This year, Diponegoro University Chemical Engineering Student Association (HMTK) uses a new concept of *CREATION* 2017, which is a series of competitions consisted of *CERCo* Grand Final round, Grand Seminar and Seminar per Room, Research and Technology Exhibitions, Culture Trip and Gala Dinner, and Poster Competition.

A. Grand Final Finalist CERCo 2017

CERCo *Grand final* finalist is the final lap of Diponegoro University Chemical Engineering Students research competition. *Chemical Engineering Research Competition* (CERCo) is the sixth competition established by Diponegoro University Chemical Engineering Student Association (HMTK) for all Chemical Engineering students in Southeast Asia. This year CERCo's theme is "*Research and Technology Towards Energy for Sustainable Development Goals.*" and Competition

1. Roadshow

Roadshow is held as marketing media and promotion of *CREATION* 2017 include *Chemical Engineering Research Competition* (CERCo) to several universities in Indonesia as the effort to increase student enthusiasm concerning *CERCo* 2017.

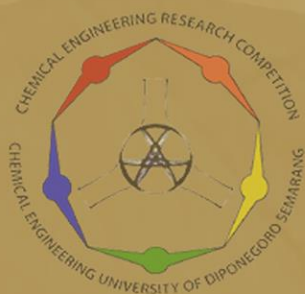
2. Registration and Abstract Submission

8th May 2017 – 25th June 2017

Participant do online registration on www.creation.undip.ac.id and submit the abstract that upload via web or email. Abstract submission is free of charge.

3. First Stage Selection

25th June 2017 – 15th July 2017



Staff will send the abstracts to judge. Judge select the abstracts according to the standard criteria of judge.

Announcement of the first stage selection result:

16th July 2017

4. Second Stage Selection

17th July 2017 –20th August 2017

Selected participant on first stage selection (abstract stage) submit the research report until 20 August 2017 and staff will send the report to judge and select it into top 6 to be finalists.

Announcement of the second stage selection result:

1st October 2017

5. Grand Final Chemical Engineering Fair and Competition

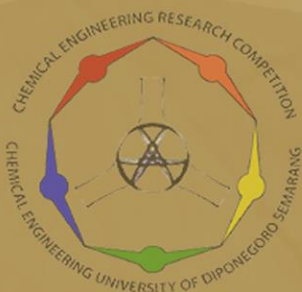
4th November 2017

Top 6 participants or finalists present their research with attach the prototype which is selected by judge and will be selected for Top 6 *CERCo* 2017 champions.

6. Expo and Technology Exhibition

4th November 2017

CERCo Grand Final will be enliven by technology exhibition. This expo mechanism is all of finalists will bring their prototype of the research result. This exhibition will be added by research results or innovation opus from the student of Chemical Engineering Diponegoro University and moreover the other department student and also from other university delegation that participant of

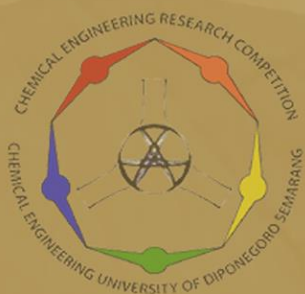


CERCo. The research result will be exhibited to all of seminar and competition participants.

B. Grand Seminar & Seminar Per Room

This year's *CREATION* 2017 Grand theme is "*Green Technology*" which would be presented by Prof. Dr. Ing H. Bacharuddin Jusuf Habibie; Ignasius Jonan; Warih Andang Tjahjono. It would be followed by *Per Room Seminar* which is divided to 3 fields, *Bioenergy*, *Waste Treatment*, and *Food Technology* with competent speakers in each field. *Bioenergy* seminar would be presented by **Huber Widiastono, M.M.** as Business Development Manager of PT Evonik Indonesia, *Waste Treatment* seminar would be presented by **Ir. Ridwan Subrata, M.Si** as Managing Director of PT Tata Tirta utama (EPC specialist on Wastewater and Water Engineering), and *Food Technology Seminar* would be presented by **Prita Wijayanti** as Assistant Packaging Development Manager for Export PT Unilever.

Chemical Engineering Fair and Competition





Prof. Dr. Ing H. Bacharuddin Jusuf Habibie
3rd President of Indonesia



Ignasius Jornan
Ministry of Energy and Mineral Resources



Warih Andang Tjahjono
Director President PT Toyota Motor Manufacturing
Indonesia (TMMIN)

Engineering Fair and Competition



Ir. Ridwan Subrata, MSi.
Managing Director PT Tata Tirta Utama



Huber Widiastono, MM
Business Development Manager PT. Evonik



Prita Wijayanti
Assistant Packaging Development Manager for
Export PT Unilever

C. Research and Technology Exhibition

This research and technology exhibition is followed by Diponegoro University Chemical Engineering Students competition finalists and also technology innovation works from students and public.

D. Culture Trip and Gala Dinner

Culture Trip and Gala Dinner is offered to *CERCo* 2017 finalists. The events are cultural tour in landmarks around Semarang and dinner for *CERCo* 2017 finalists. This event is intended to introduce finalists to attractions in Semarang and also to bring good relationship between staffs and *CERCo* 2017 finalists.

E. Poster Competition

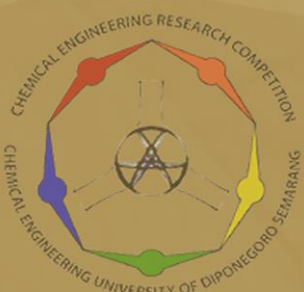
Poster competition is one of the event held in *CREATION* 2017. Participant are SMA/SMK/MAN of the same level student and university student. The posters should be created according to *CERCo* theme.

7. Time and Place

| | |
|-----------|---|
| Day, Date | : Saturday, 4 th November 2017 |
| Time | : 07.30 WIB - finished |
| Tempat | : Prof. Dr. Soedarto SH building, Diponegoro University Semarang, Indonesia. |

8. Staff Structure

| | |
|------------------|---|
| Guardian | : Head of Chemical Engineering Department Engineering Faculty Diponegoro University Dr. Siswo Sumardiono, S.T, M.T |
| Advisor | : Student Affairs Lecturer of Chemical Engineering Dept. Engineering Faculty Diponegoro University Ir. Agus Hadiyanto, S.T., M.T. Asep Muhammad Samsudin, S.T., M.T. |
| Person In-Charge | : Head of Chemical Engineering Student Association 2017 Rangga Pratama Putra |

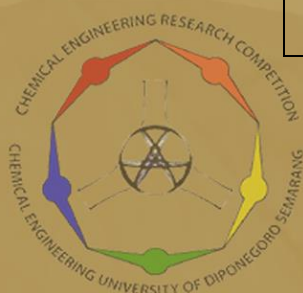


| | | |
|-----------------------------|--------------------------|--------------------|
| <i>Steering Committee</i> | : Permadi Wisnu Aji W | NIM 21030115130175 |
| | Dwi Sulistyanto | NIM 21030115120003 |
| <i>Organizing Committee</i> | : | |
| Chairman | : Sigit Firman Dwi H | NIM 21030115140156 |
| General Secretary | : Atikah Destya Candra P | NIM 21030116120017 |
| Secretary I | : Qoyyimah | NIM 21030116130107 |
| Secretary II | : Ichwanul Muttaqin | NIM 21030116130132 |
| Treasurer | : Dwi Anggraeni Mulatsih | NIM 21030116140090 |
| Event Division | : Ilham Nur Hakim Rambe | NIM 21030116120050 |
| Publication Division | : Hoo Alfando Johan H | NIM 21030116130124 |
| Dec&Doc Division | : Novriadi Tri Kurnianto | NIM 21030116140159 |
| Permit Division | : Hertanto | NIM 21030116120048 |
| Equipment Division | : Genra Sepesiwa Irara T | NIM 21030116120058 |
| Sponsorship Division | : Yosafat Hans Wijaya | NIM 21030116130185 |
| Transportation Division | : Erwin Ade Pratama P | NIM 21030116120062 |
| Consumption Division | : Tutik Irkhanah | NIM 21030116120049 |
| Secretarial Division | : Mochammad Abdillah Z | NIM 21030116140170 |
| Business Fund Division | : Shela Sofiana | NIM 21030116120034 |

9. Rundown

4th November (*Grand Final, Grand Seminar, Seminar Per Room dan Expo*)

| Time | Event |
|-------------|---|
| 06.15 | Breakfast |
| 06.45–07.20 | Sending off grand final participants to Soedarto Building |
| 07.20–08.00 | Seminar participant registration |
| 08.00-08.05 | Opening <i>CREATION</i> 2017 by MC |
| 08.05-08.30 | Speech |
| 08.30-08.45 | Opening Performance / Performance |
| 08.45-10.15 | Grand Seminar |
| 10.15-10.30 | Entertainment, Ice breaking, sponsor |
| 10.30-12.00 | Grand Seminar |



| | |
|--------------|---|
| 12.00-13.00 | ISHOMA, playing sponsor video |
| 13.00-15.00 | Per room seminar |
| 15.00-15.30 | Playing finalists presentation teaser video |
| 15.30-15.45 | CERCo 2017 champions announcement |
| 15.45-16.00 | Closing |
| 16.00-finish | Rest and dinner |

10. Budget Fund Details

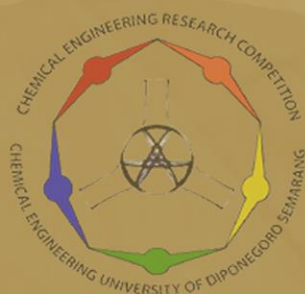
A. Expenditure

1) Secretarial

| | | |
|---|-----------|----------------------|
| Proposal and letters | Rp | 1.000.000,00 |
| Certificate (800 x @ Rp 2.000,00) | Rp | 1.600.000,00 |
| Co-card (150 x @ Rp 2000,00) | Rp | 300.000,00 |
| Seminar Kit (500 x @ Rp 12.000,00) | Rp | 6.000.000,00 |
| Plaque dan Trophy | Rp | 1.450.000,00 |
| Seminar Material Doubles | Rp | 500.000,00 |
| Form Doubles (100 x Rp 1.000,00) | Rp | 100.000,00 |
| Report Doubles | Rp | 1.700.000,00 |
| Archive | Rp | 80.000,00 |
| Letter and Poster Delivery (80x@Rp 25.000,00) | Rp | 2.000.000,00 |
| Proposal Assessment | Rp | 400.000,00 |
| Stationary | Rp | 600.000,00 |
| Sub Total | Rp | 15.730.000,00 |

2) Equipment

| | | |
|--------------------------------|-----------|----------------------|
| HT (10 x @ Rp 55.000,00) | Rp | 550.000,00 |
| LCD (5 x @ Rp 70.000,00) | Rp | 350.000,00 |
| Battery (8 x @ Rp 15.000,00) | Rp | 120.000,00 |
| *Total moved to page 12 | Rp | 16.750.000,00 |



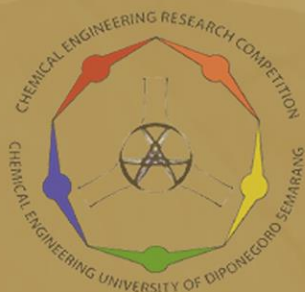
| | |
|----------------------------------|-------------------------|
| *Total moved from page 11 | Rp 16.750.000,00 |
| Sound System + Mic (11) | Rp 1.500.000,00 |
| Tent | Rp 1.500.000,00 |
| Pointer | Rp 300.000,00 |
| Air Freshener | Rp 50.000,00 |
| Banner Support | Rp 100.000,00 |
| Equipments (Decoration, etc) | Rp 480.000,00 |
| Sub Total | Rp 4.950.000,00 |

3) Publication, Decoration, dan Documentation

| | |
|---------------------------------------|-------------------------|
| Plants rental | Rp 850.000,00 |
| Mascot | Rp 300.000,00 |
| Documentation | Rp 500.000,00 |
| Pamphlets | Rp 100.000,00 |
| Decoration Equipment | Rp 2.000.000,00 |
| Confetti | Rp 200.000,00 |
| Poster A4 ivory (250 x @ Rp 5.000,00) | Rp 1.250.000,00 |
| MMT | Rp 1.800.000,00 |
| Banner | Rp 300.000,00 |
| Roadshow | Rp 3.000.000,00 |
| Symbolic Prize | Rp 50.000,00 |
| Pins (30 x Rp 4.000,00) | Rp 120.000,00 |
| Ticket dan sticker | Rp 300.000,00 |
| Sub Total | Rp 10.770.000,00 |

4) Consumption

| | |
|--------------------------------|-------------------------|
| Speaker Gift | Rp 1.000.000,00 |
| Judge and Speaker Snack | Rp 1.000.000,00 |
| Participant and Staff Drink | Rp 200.000,00 |
| Participant Lunch | Rp 8.000.000,00 |
| *Total moved to page 13 | Rp 41.650.000,00 |



| | |
|--|-------------------------|
| *Total moved from page 12 | Rp 41.650.000,00 |
| Judge and Speaker Coffee Break | Rp 100.000,00 |
| Participant Snack | Rp 3.000.000,00 |
| Judge and speaker Lunch | Rp 500.000,00 |
| Trash Bag | Rp 50.000,00 |
| Consumption Equipment (tissue, cup, etc) | Rp 50.000,00 |
| Sub Total | Rp 13.900.000,00 |

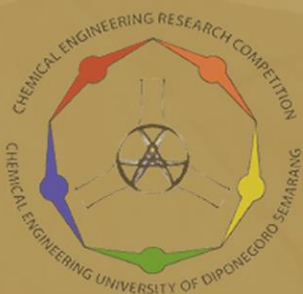
5) Transportation, Communication, dan Accommodation

| | |
|---|-------------------------|
| Staff Transportation and Communication | Rp 1.000.000,00 |
| Bus Rental | Rp 1.000.000,00 |
| Speaker and Judges Accommodation & Fee | |
| - Speaker and Judge Airline Tickets (Round Trip) | |
| 6 x @ Rp1.800.000,00 | Rp 10.800.000,00 |
| - Judge, Speaker & Moderator Hotel | |
| 4 x @ Rp 1.500.000,00 | Rp 6.000.000,00 |
| - Competition Finalists Hotel | |
| 18 x @ Rp 400.000,00 | Rp 7.200.000,00 |
| - Speaker Security | Rp 2.000.000,00 |
| Sub Total | Rp 28.000.000,00 |

6) Sponsorship

| | |
|--|------------------------|
| Sponsor Gift | Rp 2.000.000,00 |
| Envelope (20 x Rp 6.500,000) | Rp 130.000,00 |
| Proposal Hardcover (70 x Rp 50.000,00) | Rp 3.500.000,00 |
| Postal Service | Rp 200.000,00 |
| Sponsor Report | Rp 600.000,00 |
| Sub Total | Rp 6.430.000,00 |

***Total moved to page 14** **Rp 79.780.000,00**



***Total moved from page 13**

Rp 79.780.000,00

7) Event

| | |
|---------------------|-------------------------|
| Culture Trip Ticket | Rp 200.000,00 |
| Entertainment | Rp 4.500.000,00 |
| Speaker | Rp 6.000.000,00 |
| Judge | Rp 3.000.000,00 |
| Building Rental | Rp 5.000.000,00 |
| Champion Award | Rp 28.000.000,00 |
| Expo | Rp 2.000.000,00 |
| Culture trip | Rp 4.000.000,00 |
| Door Prize | Rp 1.500.000,00 |
| Rundown | Rp 50.000,00 |
| Sub Total | Rp 54.250.000,00 |

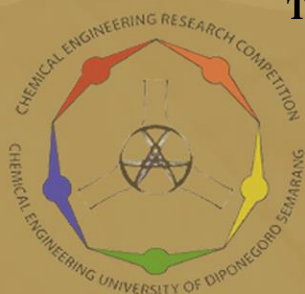
8) Others

Chemical Engineering Fair and Competition

| | |
|---------------------------------|--------------------------|
| Staff Uniform | Rp 13.000.000,00 |
| Business Fund Capital | Rp 600.000,00 |
| Bank Account Administration Fee | Rp 100.000,00 |
| Sub Total | Rp 13.700.000,00 |
| Total | Rp 147.730.000,00 |

B. Income

| | |
|---|---------------------------|
| Departement Fund | Rp. 4.000.000,00 |
| Sponsorship | Rp. 98.230.000,00 |
| Donatur | Rp 2.000.000,00 |
| Business Fund | Rp 6.000.000,00 |
| Participant Ticket | |
| • Seminar participant 500 x @Rp 55.000,00 | Rp. 27.500.000,00 |
| • Competition participant | Rp. 10.000.000,00 |
| Total | Rp. 147.730.000,00 |



11. Information Center

Dwi Sulistyanto : 082324472346

Sigit Firman Dwi Handono : 089635808821

12. Closing

Thereby is the proposal of *CREATION* 2017. We greatly hope all parties could cooperate and help each other in bringing success to this event.

