



EBER Petrochemical's Applied Chemistry Competition

Information Brief

Eber Petrochemical Group - Company Profile

- Eber Group was incorporated in 2021 as a **holding company of four leading chemical manufacturing companies in Indonesia**; PT Eternal Buana Chemical Industries (“**EBCI**”), PT Eterindo Nusa Graha (“**ENG**”), PT Petrowidada (“**PWD**”), and PT Mega Prima Solvindo (“**MPS**”).
- The main products of the group are **resin, alkyd, plasticizer, synthetic latex, UPR**, as well as **Phthalic Anhydride (“PA”)** and **Butyl Acetate (“NBAC”)**.
- Each of these 4 companies own their own production facilities as shown below with a **combined production capacity of approx. 237,000 tons/year**.



EBCI Plant – Cikupa, Banten

- Production Capacity: 70,000 tons/year
- Product type: Resin and Specialty Chemical



ENG Plant – Gresik, East Java

- Production Capacity: 72,000 tons/year
- Product type: Plasticizers and Specialty Chemical/Resin



PWD Plant – Gresik, East Java

- Production Capacity: 70,000 tons/year
- Product type: Phthalic Anhydride



MPS Plant – Cilegon, Banten

- Production Capacity: 25,000 tons/year
- Product type: Butyl Acetate

Company Profile – Product Applications



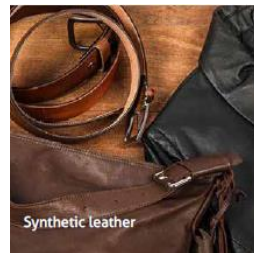
Resin



Specialty Chemical



Plasticizer



Phthalic Anhydride



Butyl Acetate



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EPACC 2023 Concept

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Background and Overview

- An applied chemistry competition for university students to **develop product ideas using real materials from Eber Group** and turn them into **retail product samples**.
- **Material for 2023 Competition:** n-Butyl Acetate (“NBAC”).
- The competition will be divided into two phases: **Idea Generation** (Phase 1) and **Product Development** (Phase 2).
- **Participants:** Teams of **2-3 active university students** with **one (1) advisor** who is a lecturer from their respective universities.
- **Final round participants:** 6-8 teams.
- **Place:** Online (Phase 1), Jakarta (Phase 2).

Competition Timeline

	Month 1				Month 2				Month 3				Month 4				Month 5				Month 6									
Event Timeline	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4						
Pre-competition																														
Registration period																														
Phase 1																														
Kick-off																														
Idea generation																														
Submission																														
Phase 1 Scoring																														
Finalist Announcement																														
Phase 2																														
Sample creation																														
Sample testing																														
Final event																														

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Phase 1 (Online Preliminary Round) – Idea Generation

- Participants will register with a team of **2-3 contestant** and **1 advisor** per team.
- **Case: Propose an impactful idea of NBAC application by creating a product idea using NBAC as its material.** NBAC may be used as a solvent / precursor.
- Participants are required to submit **a paper** (maximum **10 pages + 1 page** executive summary) **and a video pitch** (maximum of **4-5 minutes**) **explaining their ideas** containing the **product idea** and **the required processes and materials needed to develop the product.**



Video Pitch



Poster

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Phase 2 (Offline Round) – Full Presentation and Sample Showcase

- The shortlisted **top 6-8 teams** will receive a sample of the material to develop a sample of their product idea and gather in a **one day offline final event**.
- **Case: Develop a sample of the participant's product idea.** Participants will be given 8 weeks to develop a product sample of their ideas. Participants will provide a list of materials and the amount required to develop the product and Eber Petrochemical Group will help procure the participants' needed materials.
- **Events:** Participants are given a chance to connect with Eber management and professionals to **discuss the landscape of working in the industry** and **receive feedback and inputs on their presentation** from Eber experts, then an opportunity to update and finalize their presentation.
- Participants will then **present their product ideas** and **showcase their sample products** to a board of panelists.



THANK YOU