

# Prof. Triyono: Increase Quality toward Catalysts Independent State

Friday, 08 July 2011 WIB, By: marwati


---

In the view of Prof. Dr. Triyono, S.U, Indonesia has plenty and qualified human resources as well as abundant natural resources to be synthesized as a catalyst. In addition, this nation has many industries that use catalysts in quite large quantities. In industry, catalysts are consumables material that must be replaced periodically.

Some catalysts can indeed last for a long time so it has quite long replacement period (Hg removal, 5 years). However, there are also very short-lived catalyst (RCC, 1 day). "So much money is spent on the catalyst. Unfortunately, almost all of the catalysts used in this country are obtained by imports, which usually originate from the USA, Japan, China, Taiwan, Singapore and Malaysia," he said at the Senate Hall of UGM Tuesday (5/7), when he was inaugurated as Professor of the UGM Faculty of Mathematics and Natural Sciences.

Considering the less favorable conditions, the man born in Klaten, 21 September 1960, tirelessly continued to conduct catalyst research. Consistently, he conducted research in terms of materials, synthesis, test performance, and regeneration of unused catalyst. Catalyst synthesis method is not static, meaning that the catalyst used in a process always changes or improves. Thus, the best catalyst in the present is not necessarily the best in the future. Therefore, research on catalyst synthesis methods continues to evolve and there is always a simultaneous study to look for a formula to find a better catalyst. "Therefore, related to the rapid development of industries, many researches and development of catalysts industry that are able to work quickly and accurately are needed in order to win the competition for market share," he said.

In the future, Triyono expects more researchers who have a high awareness of the importance of a compound (a mixture of compounds) called catalysts. Although it has small quantities, this compound holds such an important role in the industry. "Even the petroleum that is rated very highly and contested by countries in the world still needs the catalysts in the series its processing before it can finally be enjoyed as a fuel for household and our personal vehicles," said the husband of Tince Wahyuningsih in his speech *Towards Indonesia as a Catalyst Independent State*.



Triyono warns people not to blame the Indonesian industry when they trust foreign catalysts more than homemade ones. Basically, those are much better, and we do not have the concern for the quality of homemade catalyst. "This is our duty to improve the quality of the catalyst in order to get the trust and guarantee its performance and reliability, so people will use the product made in the country," said the father of Angger Wahyu Kristanto and Astria Wahyu Christine.

---

## **Related News**

- [UGM Offers 8 Recommendation for Indonesia's Energy Management](#)
- [The State Responsible for Gap in Quality Education](#)
- [Center for Pancasila Studies Receives Visit from Forum for Pancasila Studies of Semarang](#)
- [To Increase Quality of Higher Learning, Deans of Faculty of Economics Meet at UGM](#)
- [UGM Students Observe Country Almond Waste to Turn LDPE Plastic Waste into Fuel](#)