The Chem-E-Car team of Universitas Gadjah Mada (UGM) has won the first place award in poster category during the Chem-E-Car competition in Adelaide University, Australia from 27-28 September 2016.

Chem-E-Car is a competition for students in car prototype designs using chemical reactive fuels. Teams from Australia, Iran, Indonesia, Malaysia, and New Zealand joined the event.

General Manager of Reactic Chem-E-Car of UGM, Fadzri Sukmajii, said the UGM car “Reactic 0.1” won in the concept of fuel consumption that relies on volta cells from organic materials. The volta cells can produced chemical reactions as energy to move the car as alternative battery.

“The car we designed is moved by chemical reactions based on volta cells with cathodes using stainless steel and aluminum as anodes, the stopping mechanism is based on organic material that is environmentally friendly,” said Fadzri on Thursday (29/9). Fadzri said the innovation of the Reactic 0.1 car was in the stopping mechanism that uses organic material, which is Vitamin C, merbromin, corn starch, and other safe chemicals.
“Our car is seen as excellent due to the organic material use. Other teams still use chemicals,” he said.

UGM Director for Student Affairs, Dr. Drs. Senawi, M.P., was proud of the achievement made by the Chem-E-Car team at the international level. The hard work for research and development of technology innovation has produced a satisfactory result.

“All academic community of UGM is proud of the UGM Chem-E-Car team that has contributed to make UGM stand high due to its achievements whilst remaining down to earth in the heart of the people,” said Senawi.

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