

UGM Vocational School Winner in National Coptic Competition


Tuesday, 10 December 2013 WIB, By: Marwati



YOGYAKARTA - Three students of Mechanical Engineering in the Vocational School of UGM, Moh Tarum N. Umam, Rifaldi Agustian, and Mohammad Tsalatsa Rizal, came out as the first winner in the Brawijaya Copter Competition (BCC) 2013 in Malang, hosted by Universitas Brawijaya, from 3-5 December 2013.

The UGM copter named as QOTIK (QuadCopter Batik) performed very well with high accuracy that it beat Copter Antaboga-II and Gandhela from UNDIP Semarang, second and third winners. Universitas Jember, Institut Teknologi Nasional Malang, Universitas Pendidikan Indonesia, UGM Engineering Faculty, and Universitas Brawijaya also joined the competition.

Brawijaya Copter Competition is a competition between Indonesian Mechanical Engineering students to develop student's creativity in aeromodeling and avionics. The design and copter



construction are in line with mechanical requirement. The competition focused on propeller design and copter construction as well as participant's skills in overcoming barriers.

Rifaldi Agustian, member of the team, said Qotik was specially designed using batik patterns. "It attracts many people," he said.

Rifaldi and friends used materials that are easy to find. The head cover is made using plastic bowl while the main frame is made from used tripled combined aluminium. "So, Copter Qotik fulfills three basic aspects, which are modern technology, Indonesian culture, and environmentally friendly materials as well as used materials," said Rifaldi to journalists on Monday (9/12).

Technically, Rifaldi said, Qotik that weighs 1,04 kg can uplift 400 gram of loads with a flying duration of 13 minutes. It can do various manouvres with a high range. Qotik can be developed for other purposes such as, aerial photo, mapping, film taking, etc.

"In the future we will develop Qotik into a product that can give benefits directly to various areas," he said.

Related News

- [Jakarta Province Won the Overall Winner of 2011 Vocational High School Olympiad](#)
- [Hundreds of Vocational School Students Join Competition](#)
- [Vocational School UGM Wins Gadjah Mada Sports and Arts Week 2017](#)
- [Dozens of Vocational Students Join Welding Competition at UGM](#)
- [UGM to Host Vocational High School's National Applied Science Olympiad](#)