

# UGM Robotics Team Wins Regional Indonesian Robot Contest

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UGM robotics team earned many awards at the Central Java and Yogyakarta robot contest. In the *Indonesian Robot Contest (KRI) Regional III* on Saturday, April 23, UGM won 2 gold medals and 1 bronze medal.

In this competition the first gold medal is earned by Alfalah in the *Fire Extinguisher Wheeled Robot Indonesia (KRPAI Beroda)* category. Another robot, Alfana, won the gold medal in the *Robot Dance Contest Indonesia (KRSTI)* and the title of the *Best Artistic*. Meanwhile, Alfarobi managed to bring home a bronze medal from the *Indonesian Football Robot Contest (KRSBI)*.

In the category of *ABU Robot Contest Indonesia (KRAI)*, Robot Spy UGM, secured the first consolation prize. Thus, UGM Spy Robot got a chance to advance to the national level at the *Electrical Engineering Polytechnic Institute of Surabaya (PENS)* from 1 to 4 June 2016.

The Regional III robotics competition was followed by 90 robotics teams from various universities in the region of Central Java and Yogyakarta. The contest has five categories, namely *ABU Robot Contest Indonesia (KRAI)*, *Fire Extinguisher Wheeled Robot Indonesia (KRPAI)*, *Fire Extinguisher*

*Legged Robot Indonesia (KRPAI), Robot Dance Contest Indonesia (KRSTI), as well as Indonesian Football Robot Contest (KRSBI).*

Chief Executive of Gadjah Mada Robotics Team (GMRT), Falanas Farhan, said that during the competition his team did not encounter significant obstacles. They just need to make adjustments and adaptations of robots on the field before the competition.

"Alfalah Robot won the KRPAI category due to its capability to locate and extinguish a number of fires as well as rescuing victims quickly," he explained on Tuesday (26/4) at UGM.

While Alfah robot that competed in KRSTI managed to win because of its ability to show the elegant and graceful Betawi mask dance. Moreover, it also has an attractive design that won the award for the best artistic.


"Alfah Robot could also provide a movement where it took the mask which is located behind the robot's head and wore it," said Falanas Farhan.

GMRT manager, Dr. Rahmat Sriwijaya, said that this time UGM sent five robotics teams to compete in all categories. Thanks to the efforts and hard work of UGM robotics team, they won numerous categories. "UGM is the university with most prize titles in the competition," he explained.

According to Rahmat, this success is due to the excellent teamwork of students and lecturers and university's support in the form of funds for the procurement of components and research in the development of robots.

Meanwhile, Head of Student Creativity of Student Affairs Directorate, Dr. Ahmad Agus Setiawan, appreciated the UGM robotics team. This achievement is the result of the synergy of the students and lecturers of the Department of Electrical Engineering and Information Technology, Department of Mechanical and Industrial Engineering, Department of Nuclear Engineering and Physics Engineering, Department of Computer Science and Electronics at Faculty of Mathematics and Natural Sciences, and the Department of Electrical Engineering and Information Technology in Vocational School, in addition to the support of the university.

"We will continue to work together to prepare for the UGM robotics team to compete in the national level. We hope that we could go to the international level like previous year," he hoped.



In 2013, the UGM robotics team won 3 gold and 1 silver medals in *Robogames Robot Contest* in San Mateo, United States. In addition, they won the first place in *Trinity College Firefighting Home Robot Contest* (TCFFHRC) in the United States. Similarly, in 2012 and 2011, the UGM robotics team won international championships as well.

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