

Garuda UNY Racing Team

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Garuda F15 (Indonesia Jaya!)



今回の総合結果・部門賞

●総合29位

Profile チーム紹介・今までの活動

Garuda UNY Racing Team (GURT) has been founded since 2009 in Yogyakarta. The members of the team are university students who come from almost all faculties in Universitas Negeri Yogyakarta. We prepared the car for 8 months. We made the design first, bought the materials and did the manufacturing process. The 13th Student Formula Japan was our first experience joining FSAE competition.

Team-member チームメンバー

Bondan Prakoso (CP)

Dr. Zainal Arifin, M.T (FA), Moch. Solikin, M.Kes (FA), Dr. Sutopo, M.T. (FA)
Naufal Annas Fauzi, Ninda Kurniadi, I wayan Adiyasa, I Gede Indra Widana, Wawan, Yohanes Aji Pamungkas, Aan Yudhianto, Roni Suprpto, Hasbi Brihan Kumara, Brian Rifky Alfinsa, Widhihastu Dharma Setiawan, Muflih Fathoni, Peppy Dwi Indranata, Dimas Bima Nur May, Teguh Arifin, Anis Nur Fatimah, Merya Wulandari, Novia Nuraini, Rahmat Hidayat Asri.

Presentation

プレゼンテーション

Garuda F15 is a single seat formula race car which is build, based on FSAE regulation. The weight of the car is 241 kg with the torque 42 Nm in 62 KPH. The engine power is 43 HP in 98 KPH with the top speed 120 km/h.

- Dimensions : Length : 2900 mm Width :1350mm Height :1165mm
- Wheelbase & Track: Wheelbase: 1600 mm Front Track:1150mm Rear Track:1050mm
- Body work (material process): Full Carbon, Lamination Process
- Frame Construction: Steel Space Frame Material:AISI 4130 (JIS STKM 11A)
- Suspension : front : Short Long Arm With Pushrod rear : Short Long Arm With Pushrod
- Brakes : Calipers : front : Aluminum, Fixed Caliper, WILWOOD PS 1 Diameter 1.12 inch rear : Aluminum, Fixed Caliper, WILWOOD PS 1 Diameter 1.12 inch
- Tires, compound and make : front : HOOSIER 6.0/18.0-10, R25 B rear : HOOSIER 6.0/18.0-10, R25 B
- Wheels (width, construction) : front : Keizer 6" width Aluminum wheel shells with custom machined aluminum centers
Rear : Keizer 6" width Aluminum wheel shells with custom machined aluminum centers
- Steering Wheel (dia, construction) : Diamter (mm) 250 Construction Custom by Student, Aluminum, CNC Process
- Drivetrain : Chain/Sprocket
- Powertrain : Manufacturer / Model : HUSQVARNA SM 630 2011

Participation report

参戦レポート

This year Garuda UNY Racing Team had attended and participated in 2015 Student Formula Japan. We got 29th place from 93 registered teams with the total score 384,62. It was a really big fight when we should pass technical inspection.

Two most difficult parts were noise and brake test. We tried it more than 5 times. Although we could pass the technical inspection but unfortunately we could not enter acceleration and skid-pad event.

In static events, we could pass the document screening. We could present it to the judges in the event-day. We got 49th place in cost report, 41th place in design report and 25th in business logic plan. Although these were not good achievement, we had received referee feedback from the judges.

In dynamic events, our performance were unpredictable. We could only enter endurance race and got any obstacles there. But, fortunately we could finish the race. We got 5th place in efficiency, an amazing achievement that we never imagined before because efficiency was not our focus and we seldom discussed it.

Last but not least, we learned thousand and incomparable experience through hardship, teamwork and contrast in concept during the year of project. We expect that next year our team will learn from the mistakes we faced in this year competition and hoping that we can take position in award ceremony.

Stewards and interpreters were really friendly and helpful, especially when we needed help related to the rule and in translating Japanese to English.

Sponsors スポンサーリスト

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