



**Firman Fathoni** (8th grade, SMPN 1 Surabaya, 3<sup>rd</sup> Year of MATE Competition):  
Chief Executive Officer

**Fairuzita Firdaus** (11th grade, SMAN 2 Surabaya, 1<sup>st</sup> Year of MATE Competition):  
Chief Financial Officer

**Abyan Ermansyah** (7th grade, SMPN 1 Surabaya, 1<sup>st</sup> Year of MATE Competition)  
Mechanical Engineer

**Brenadiva** (11<sup>th</sup> grade, SMAN 2 Surabaya, 1<sup>st</sup> Year of MATE Competition): Software Engineer

## ROV SPECIFICATIONS

**Cost:** \$1919

**Dimension/Weight:** 26cm tall by 38cm long by 28cm wide; 11kg

### Special features:

- Portable and compact design
- Custom design PCB
- IMU Sensor
- Main Gripper with 1 dof
- Graphical User Interface (for visualization)

### Safety features:

- Waterproof electronics tube
- 25 Amp fuse on the positive side of the main power source
- Emergency Cut Off Switch
- Ampere and volt meter display



SURO  
(Credit: Tri S)



**SURABAYA – INDONESIA**  
**Distance to Washington State**  
**13.264 KM**