

**Concluding report  
IAU NASE 2022 Astrophysics  
ITS, Surabaya, Indonesia**

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NASE 2022 was held at Department of Physics, Faculty of Sciences, Institut of Technology Surabaya (ITS), Indonesia, on December 13th 2022. Participants joined the course on-site at ITS campus and some joined virtually using zoom. The instructors gave the course virtually using Zoom, with help from on-site assistants. There are participants in this course that came from local middle schools and high schools. The topics given on astrophysical course about Stellar Physics and Evolution (lecture), Cosmology (lecture) Life of Stars workshop, Astronomy Beyond Visible Workshop, and Expansion of the universe workshop. The participants were actively following the workshop on-site with help from a local assistant while the instructors gave explanations via zoom. There were lively discussions on how astronomy should be given effectively in the respective schools. There is also an initiative to create a forum among teachers so that they can learn from the others their experiences, difficulties and how to solve obstacles in delivering course to mid-level educational pupils. The participants were very grateful and very much feel benefited by the course. Participants hope that the next NASE course will be held entirely on-site.

Institut of Technology Surabaya is planning to have IAU NASE workshops again with larger number of participants in the middle of 2023. This will be conducted on-site. We will closely work together toward the realization of this plan.