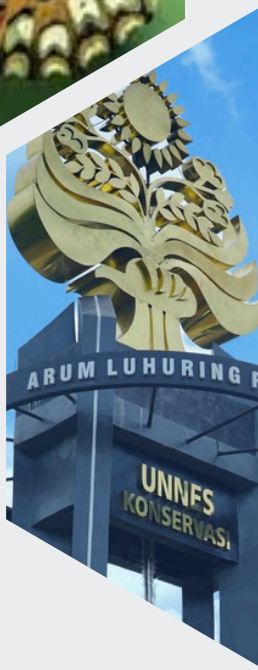
UNNES
UNIVERSITAS NEGERI SEMARANG

FACULTY OF MATHEMATICS AND NATURAL SCIENCES

STUDENT RESEARCH CENTER

NATURAL SCIENCE EDUCATION

2026



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STUDENT RESEARCH CENTRE

The Student Research Centre in the Bachelor of Science Education Study Programme is overseen by the Reasoning Department of Himpunan Mahasiswa (The Student Association) Science and Environmental Science under the direct supervision of the Head of the Study Programme. The Student Association 2024 has a work programme aimed at supporting Science Education and Environmental Science students in improving their academic abilities.

The Reasoning Department has a work programme specifically focused on the two programmes in Science Education and Environmental Science at UNNES, namely Science Education and Environmental Science. To realise this, the Reasoning Department has supported work programmes in this regard.

In one period of management, the Reasoning Department has five work programmes. The five work programmes are PANSKRIP (Thesis Guidelines), Scientific Seminar, NSO (Natural Science Competition), NALAR.COM (National Environmental Action Role Competition), and NEST 2024 (Natural and Environmental Sciences Think Tank 2024).

1. PANSKRIP Panduan Skripsi (Thesis Guidelines)

   This work programme was chaired by Anjeli Arum Mawardian and took place on Saturday, 2 March 2024. The event provided training for 2021 Science Education and Environmental Science students on thesis writing and administration in the Science and Environmental Science programmes, featuring several expert speakers in their respective fields. The activity took the form of a presentation on administration, motivation, systematics, and writing techniques, accompanied by a question-and-answer session regarding thesis preparation.

Figure 1. Documentation of PANSKRIP Panduan Skripsi (Thesis Guidance) Activities

2. Seminar Keilmiahan

   This work programme is a new work programme for the Student Association 2024, which is being implemented for the first time this year. This work programme is chaired by Kholimatu Rosita and will be held on Saturday, 11 May 2024. This activity includes the delivery of administrative material, the LP2M research process, and the administration of the selection of outstanding students.

Figure 2. Documentation of Scientific Seminar Activities

3. NSO (Natural Science Competition)

NSO is chaired by Galang Ade Sukma and consists of science competitions for junior high schools/MTs in Java, which is one of the strategic platforms for realising the above educational paradigm. The implementation of continuous competitions will have a positive impact on the learning process, making it more creative, innovative, and competitive. In turn, students will have the opportunity to develop all aspects of their personality and abilities through creative, effective, and enjoyable learning.

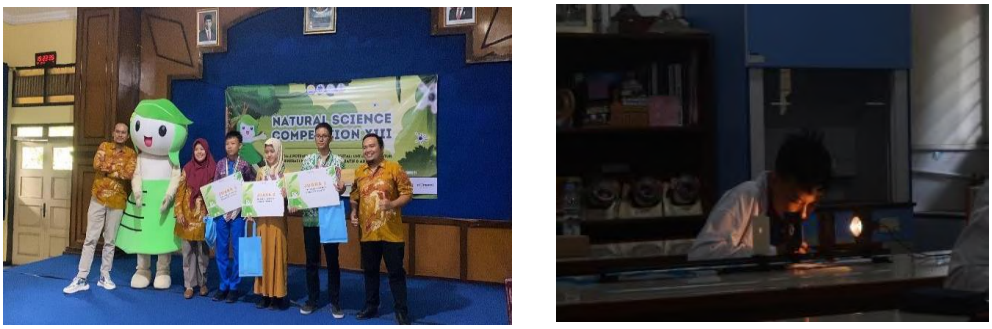

Figure 3. Documentation of Natural Science Competition

4. NALAR.COM (National Environmental Action Role Competition)

This work programme is chaired by Ade Anggun Wana Putri and aims to serve as a forum and means for developing creative, innovative, and applicable opinions and ideas from students, as well as training them to critique and analyse issues in their surrounding environment. The form of this activity is to hold a competition for active students throughout Indonesia in the form of creativity and innovation proposals regarding actions for environmental issues and sustainability.

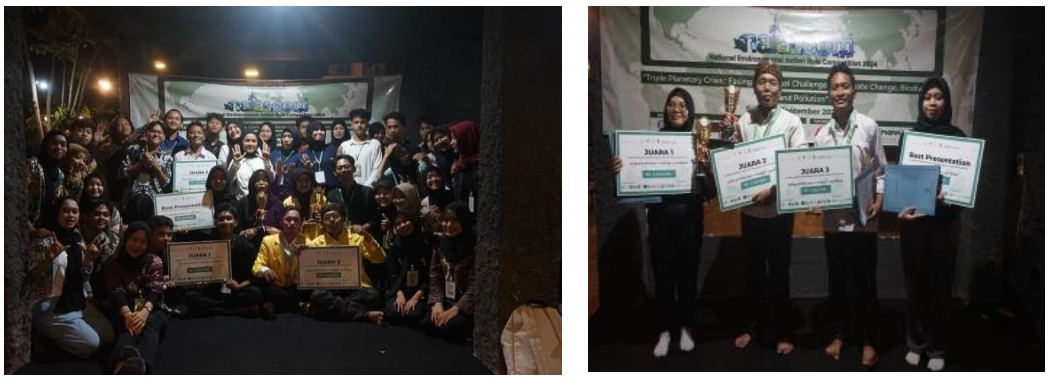

Figure 4. Documentation of National Environmental Action Role Competition

5. NEST 2024 (Natural and Environmental Sciences Think Tank 2024)

   This work programme is chaired by Suci Wulandari and will be held on Saturday and Sunday, 27 July 2024 and 29 December 2024. In this NEST 2024 accountability report, each NEST department will present a report via PowerPoint, followed by criticism and evaluation of the NEST 2024 work programme for half a term and one term of office.

The positive impacts of the Student Research Centre activities and all work programmes of the Reasoning Department of HIMA IPA and Environmental Science are as follows. (1) Improving Student Academic Competence. The activities carried out will help students to be better prepared for advanced academic processes and improve the quality of scientific work. (2) Encouraging Reasoning and Critical Thinking Skills. Students become more sensitive to relevant science and environmental issues. (3) Developing Scientific Achievement and Competitiveness. Through the NSO (Natural Science Competition), students play a role in improving the quality of science competitions at the junior high school/MTs level, spreading academic enthusiasm and a healthy competitive culture, and supporting the regeneration of students who excel in science. (4) Strengthening Collaboration and Academic Networks. These interactions broaden horizons and open up opportunities for future research collaboration. (5) Improving Students' Soft Skills. (6) Improving the Quality of the HIMA IPA & Environmental Science Organisation. This demonstrates professionalism and improved organisational management quality. (7) Fostering a Sense of Responsibility and Leadership, and (8) Contributing to the Academic Community and the Environment.