



YAYASAN PEMBINA LEMBAGA PENDIDIKAN PERGURUAN TINGGI PGRI SEMARANG
UNIVERSITAS PGRI SEMARANG

Jl. Sidodadi Timur Nomor 24 - Dr. Cipto Semarang - Indonesia

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DECREE OF THE RECTOR OF
UNIVERSITAS PERSATUAN GURU REPUBLIK INDONESIA SEMARANG
NUMBER : 058/SK/UPGRIS/III/2023

Concerning

THE COMPOSITION OF THE CENTER FOR SCIENCE AND TECHNOLOGY STUDIES
TEAM UNIVERSITAS PGRI SEMARANG

UNIVERSITAS PERSATUAN GURU REPUBLIK INDONESIA SEMARANG :

Considering : a. that in order to realize the vision of Universitas PGRI Semarang as an excellent and innovative educational institution, a forum is required to develop research and community service in the fields of science and technology;

b. that the Center for Science and Technology Studies holds a strategic role in coordinating cross-disciplinary research activities to increase scientific publications and the downstreaming of innovation products;

c. that based on the considerations mentioned in points a and b, and to ensure the smooth execution of duties at the said Study Center, it is necessary to establish the Composition of the Center for Science and Technology Studies Team of Universitas PGRI Semarang.

Observing : 1. Law Number 18 of 2002 concerning the National System of Research, Development, and Application of Science and Technology.

2. Law of the Republic of Indonesia Number 20 of 2003 concerning the National Education System.

3. Law of the Republic of Indonesia Number 12 of 2012 concerning Higher Education.

4. Government Regulation of the Republic of Indonesia Number 4 of 2014 concerning the Implementation of Higher Education and Management of Higher Education Institutions.

5. Decree of the Minister of Education and Culture of the Republic of Indonesia Number 143/P/2014 dated April 17, 2014, concerning the Merger of IKIP PGRI Semarang and the Semarang Institute of Technology into Universitas PGRI Semarang.

6. Decree of the YPLP PT PGRI Semarang Number 075/P.Y/Kpts/3.1/YPLP PT PGRI/V/2019 dated May 10, 2019, concerning the Statutes of Universitas PGRI Semarang.

7. Decree of the Board of YPLP PT PGRI Semarang Number 095/PY/U/Kpts/3.1/YPLP PT PGRI/V/2022 dated May 20, 2022, concerning the Appointment of the Rector of Universitas PGRI Semarang for the 2022-2026 term.

H A S D E C I D E D

- To Enact : **THE COMPOSITION OF THE CENTER FOR SCIENCE AND TECHNOLOGY STUDIES TEAM OF UNIVERSITAS PGRI SEMARANG**
- First : To authorize the individuals listed in the appendix, which is an integral part of this Decree, as the Team Composition of the Center for Science and Technology Studies of Universitas PGRI Semarang.
- Second : The Team as referred to in the FIRST dictum has the following duties and responsibilities:
1. Prepare annual work programs in the field of science and technology research and development.
 2. Facilitate research collaboration between lecturers, students, and external institutions.
 3. Manage the publication of research results and strive for the downstreaming of appropriate technology findings.
 4. Report the results of activities periodically to the Rector through the Chair of the Institute for Research and Community Service (LPPM).
- Third : This decision shall take effect from the date of its enactment and will be corrected accordingly if any errors are found in its determination in the future.

Enacted in : Semarang
Pada tanggal : March 6, 2023

Rector,



Dr. Sri Suciati, M.Hum.
NIP 196503161990032002

Copies forwarded to :

1. Vice Rectors
2. Deans
3. Institute Chairs
4. Bureau Heads

Within Universitas PGRI Semarang

Appendix to the Decree of the Rector of Universitas PGRI Semarang

Number : 58/SK/UPGRIS/III/2023

Date : 6 Maret 2023

**TEAM COMPOSITION OF THE CENTER FOR SCIENCE AND TECHNOLOGY STUDIES
UNIVERSITAS PGRI SEMARANG**

| Numb | Name of Lecturer / Staff | NIDN/NPP |
|------|---|------------|
| 1 | Dr. Sigit Ristanto, S.T., M.Sc. | 0603098102 |
| 2 | Prof. Dr. Achmad Buchori, S.Pd., M.Pd. | 0610048103 |
| 3 | Dr. Adhi Kusmantoro, S.T., M.T | 0619047301 |
| 4 | Dr. Ali Shodiqin, S.Si., M.Si. | 0603108102 |
| 5 | David Firna Setiawan, S.Pd.,M.Pd | 0613058702 |
| 6 | Dewi Wulandari, S.Si., M.Sc. | 0616118801 |
| 7 | Dr Ikhwanudin, S.T., M.T | 0610056902 |
| 8 | Dr. Affandi Faisal Kurniawan, S.Si., M.Sc. | 0608108204 |
| 9 | Dr. Raully Sijabat, S.KM, SE., MM. | 0605017901 |
| 10 | Dr. Rini Umiyati, S.Hut., M.Si. | 0623068001 |
| 11 | Drs. Sudargo, M.Si. | 013116001 |
| 12 | Dr. E. Dwi Prastiyo Hadi, SE. , M.Si | 0602048003 |
| 13 | Prof. Dr. Endah Rita Sulistya Dewi, S.Si. M.Si. | 0623087001 |
| 14 | Dr. Fenny Roshayanti, S.Pd., M.Pd. | 0029096901 |
| 15 | Dr. Ika Septiana, S.Pd., M.Pd | 0613098301 |
| 16 | Ir. Suwarno Widodo, M.Si. | 0627036101 |
| 17 | Ira Setiawati, SE., M.Si. | 0623087801 |
| 18 | I'tishom Al Khoiry, S.Kom., M.Kom. | 0620069701 |
| 19 | Dr. Joko Siswanto, S.Pd., M.Pd. | 0625058401 |
| 20 | M. Anas Dzakiy, S.Si., M.Sc. | 0626048003 |
| 21 | Mega Novita., S.Si., M.Si., M.Nat., Ph.D. | 0615118801 |
| 22 | Muchamad Malik , S.Kom., M.Eng | 0523108704 |
| 23 | Dr. Muhammad Syaipul Hayat, S.Pd., M.Pd. | 0420068402 |
| 24 | Prof. Dr. Nur Khoiri, S.Pd., M.T.M.Pd. | 0611027802 |
| 25 | Rita Meiriyanti, S.E., M.M | 0615058601 |
| 26 | Riyanto, SE, M.Si. | 0605036401 |
| 27 | Dr. Rizky Muliani Dwi Ujianti, M.Si | 0602068602 |
| 28 | Setyoningsih Wibowo, S.T., M.Kom. | 0623127501 |
| 29 | Shofif Sobaruddin Akbar, M.M | 0625069202 |
| 30 | Dr. Siti Patonah, S.Pd., M.Pd. | 0609097802 |
| 31 | Dr. Sumarno, M.Pd. | 0607017802 |
| 32 | Utvi Hinda Zhannisa, M.Or | 0603019001 |
| 33 | Dian Priambudi, S.Pd., M.Pd | 239401622 |
| 34 | Aprilia Anissa Zurmanida, S.T.P | 239901629 |
| 35 | Wahyu Ari Hargiyanto, S.Pd. | 239701615 |

Sustainability Research Center Roadmap

Science and Technology Center

LPPM Universitas PGRI Semarang

(2025–2030)

1. Vision

To become a leading sustainability research center that develops innovative technologies, community empowerment models, and sustainable resource management through research and community engagement.

Research and Community Service Roadmap based Sustainability (2025–2030)

| Stage | Year | Development Focus | Main Programs | Output |
|---------|-----------|--|--|--|
| Stage 1 | 2025 | Mapping and Strengthening Sustainability Programs | <ul style="list-style-type: none">• Household waste management• digital environmental literacy• circular economy education and biopore training | Training modules, publications, community programs |
| Stage 2 | 2026–2027 | Implementation of Sustainable Technologies | <ul style="list-style-type: none">• Waste cooking oil recycling• plastic eco-bricks• maggot cultivation• community solar panels• integrated waste management | Technology prototypes, pilot villages |
| Stage 3 | 2027–2028 | Integration of Smart Technology and Sustainability | <ul style="list-style-type: none">• IoT-based environmental monitoring• digital tourism villages• smart waste management• environmental monitoring systems | Digital monitoring systems, international publications |
| Stage 4 | 2028–2029 | Development of Sustainable Economic Models | <ul style="list-style-type: none">• Blue economy• village green economy• community-based circular economy | Sustainable economic models |
| Stage 5 | 2030 | Sustainability Center of Excellence | <ul style="list-style-type: none">• International collaboration• regional sustainability policies• and technology commercialization | Center of excellence |

Sustainability Research Clusters

1. Sustainable Waste Management

Household waste management, eco-bricks, biopores, maggot cultivation, and waste cooking oil recycling.

2. Renewable Energy

Renewable energy utilization such as solar panels and community-based alternative energy systems.

3. Smart Environmental Technology

Internet of Things (IoT) for environmental monitoring and smart waste management systems.

4. Sustainable Economy

Development of blue economy, village green economy, and community-based circular economy models.

5. Sustainable Community Development

Environmental digital literacy, digital tourism villages, and sustainability-based community empowerment.

Target Outputs

- National and international publications
- Intellectual property rights
- Sustainable village models
- Appropriate technology innovations
- Industry and government collaborations