



KURIKULUM

Kurikulum Program Doktor By Course

- Filsafat Ilmu (4 SKS)
- Inovasi dan Intensifikasi Proses (4 SKS)
- Simulasi dan Modelling (4 SKS)
- Teknik Penulisan Ilmiah dan Presentasi (3 SKS)
- Teknik Pengolahan Data (3 SKS)
- Penelitian 1 – Course (12 SKS)
- Penelitian 2 – Course (12 SKS)
- Publikasi 1 – Course (6 SKS)
- Publikasi 2 – Course (12 SKS)
- Proposal Disertasi (6 SKS)
- Seminar Hasil (6 SKS)*
- Ujian Kelayakan (6 SKS)**
- Disertasi (Ujian Tertutup) (12 SKS)

* Telah publikasi pada Jurnal Nasional Terakreditasi SINTA 2 atau Prosiding Terindeks (1)

** Telah publikasi di Jurnal Internasional Bereputasi (1) dan di Jurnal Nasional Terakreditasi SINTA 2 atau Prosiding Terindeks (1)

Kurikulum Program Doktor By Research

- Penelitian 1 – Research (12 SKS)
- Penelitian 2 – Research (12 SKS)
- Penelitian 3 – Research (6 SKS)
- Publikasi 1 – Research (6 SKS)
- Publikasi 2 – Research (12 SKS)
- Publikasi 3 – Research (12 SKS)
- Seminar Hasil (6 SKS)*
- Ujian Kelayakan (6 SKS)**
- Disertasi (Ujian Tertutup) (12 SKS)

* Telah publikasi pada Jurnal Internasional Bereputasi (1) dan Jurnal Nasional Terakreditasi SINTA 2 atau Prosiding Terindeks (1)

** Telah publikasi di Jurnal Internasional Bereputasi (2) dan di Jurnal Nasional Terakreditasi SINTA 2 atau Prosiding Terindeks (1)

PENGELOLA

Ketua Program Studi:

Prof. Dr.T. Ir. Aji Prasetyaningrum S.T., M.Si.

DOSEN PENGAMPU

Prof.Dr.Ir. Bakti Jos DEA
 Prof. Dr. Ir. Purwanto DEA
 Prof. Ir. Abdullah M.S., Ph.D.
 Prof. Dr.rer.nat. Heru Susanto S.T., M.M., M.T.
 Prof. Dr. Ir. Budiyo M.Si.
 Prof. Dr. Moh. Djaeni S.T., M.Eng.
 Prof. Ir. Tutuk Djoko Kusworo S.T., M.Eng., Ph.D.
 Prof. Dr. Ir. Hargono M.T.
 Prof. Ir. Didi Dwi Anggoro M.Eng., Ph.D., IPU, ASEAN Eng.
 Prof. Dr. I Nyoman Widiasta S.T., M.T.
 Prof. Dr. Istadi S.T., M.T.
 Prof. Dr. Ir. Andri Cahyo Kumoro S.T., M.T., IPU, ASEAN Eng.
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 Prof. Dr. Ir. Hadiyanto S.T., M.Sc., IPU
 Prof. Dr.T. Ir. Aji Prasetyaningrum S.T., M.Si.
 Prof. Dr. Ir. Setia Budi Sasongko DEA.
 Prof. Dr. Ir. Ratnawati M.T.
 Prof. Dr. Ir. Luqman Buchori S.T., M.T., IPM.
 Prof. Dr.T. Ir. Indro Sumantri M.Eng.
 Prof. Dr.Ing. Ir. Suherman S.T., M.T.
 Prof. Dr.nat.tech. Siswo Sumardiono S.T., M.T.
 Prof. Ir. Nita Aryanti S.T., M.T., Ph.D., IPM
 Prof. Dr.-Ing. Ir. Silviana S.T., M.T., IPM., ASEAN Eng.
 Prof. Ir. Dyah Hesti Wardhani S.T., M.T., Ph.D., IPM
 Prof. Dr. Ir. Aprilina Purbasari S.T., M.T., IPM
 Dr. Ir. Nur Rokhati M.T.
 Dessy Ariyanti S.T., M.T., Ph.D.
 Dr. Ir. Noer Abyor Handayani (Noera) S.T., M.T., IPM
 Dr. techn. Asep Muhamad Samsudin S.T., M.T.

SEKRETARIAT PROGRAM S3 TEKNIK KIMIA

d/a. Departemen Teknik Kimia FT Undip
 Jl. Prof. Sudarto, SH – Tembalang, Semarang
 50239
 Telp. 024-7460058

Email: doctor@che.undip.ac.id

Website: <https://tekim.ft.undip.ac.id/>

CP. Prof. Dr.T. Ir. Aji Prasetyaningrum S.T., M.Si.
(+62 812-2856-097)



Universitas Diponegoro

Program Studi Doktor Teknik Kimia



VISI DAN TUJUAN

Menghasilkan lulusan doctorate yang mampu bersaing mengembangkan pengetahuan, teknologi, dan/atau seni baru di dalam bidang keilmuannya atau praktek profesionalnya melalui riset, hingga menghasilkan karya kreatif, original, dan teruji, mampu memecahkan permasalahan pengetahuan, teknologi dan/atau seni baru di dalam bidang keilmuannya melalui percakapan inter, multi, dan transdisipliner, serta mampu mengelola memimpin, dan mengembangkan riset dan pengembangan yang bermanfaat bagi kemaslahatan umat manusia, serta mampu mendapat pengakuan nasional dan internasional.

BIDANG RISET

Riset dalam program doktor teknik kimia terbagi dalam:

1. Teknologi Separasi dan Membran
2. Teknologi Pangan dan Pengeringan
3. Teknologi Energi Baru dan Terbarukan
4. Teknologi Air dan Pengolahan Limbah
5. Teknologi Material
6. Teknologi Reaksi dan Katalis
7. Teknologi Bioproses

PENDAFTARAN

Informasi mengenai pendaftaran program pasca sarjana di Universitas Diponegoro dapat diakses melalui laman berikut:

<https://pmb.undip.ac.id/>

PROFIL

- Didukung dengan 4 jurnal bereputasi internasional terindeks SCOPUS dan DOAJ
- Bimbingan intensif dari promotor dan co-promotor
- Fasilitas Laboratorium Penelitian dan Grup Riset: Biomass and Renewable Energy (BIORE), Membrane Research Center (MeR-C), Chemical Reaction Engineering & Catalysis (CREC), Klaster Rekayasa Pangan (KAREP), Institute of Food and Remedies Biomaterial (INFARMA), Advance Material Laboratory (AmAL), Modern Drying Research Center (MDRC)

PERSYARATAN

Program Doktor Teknik Kimia menerima mahasiswa dengan latar belakang S2 bidang: Teknik Kimia, Teknik Lingkungan, Teknik Mesin, Teknologi Pangan, Teknik Energi, Biologi/Bioteknologi, Kimia, Teknologi Pertanian dengan IPK minimal 3,00. Bagi mahasiswa dengan latar belakang keilmuan yang tidak serumpun diwajibkan mengikuti matrikulasi.

PERSYARATAN TAMBAHAN

- 2 Rekomendasi akademik dari dosen/peneliti senior bergelar Profesor/Doktor
- Melampirkan usulan pra-penelitian*
- Surat keterangan jaminan kesediaan pendanaan di atas kertas bermaterai
- CV dengan menyebutkan karya ilmiah/publikasi yang telah dihasilkan
- Bagi yang sudah bekerja menyertakan surat rekomendasi dari atasan
- Bagi lulusan program magister dari Perguruan Tinggi Luar Negeri, ijazahnya harus disetarakan oleh Ditjen Dikti Kemenristekdikti

*untuk format pra-penelitian dapat dilihat pada laman berikut:

<https://tekim.ft.undip.ac.id/>



BIAYA PENDIDIKAN

• SPP By Course (per Semester)

Reguler Rp 15.000.000,-

Kerjasama Rp 15.000.000,-

Internasional Rp 20.000.000,-

• SPP By Research (per Semester)

Reguler Rp 15.000.000,-

Kerjasama Rp 20.000.000,-

Internasional Rp 20.000.000,-

• SPI (1 kali/mahasiswa)

SPI Rp 5.000.000,-

• Matrikulasi (1 kali/mahasiswa)

Matrikulasi Rp 6.000.000,-



CURRICULUM

By Course Program

- Philosophy of Science
- Innovation and Process Intensification
- Simulation and Modelling
- Scientific Writing and Presentation Techniques
- Data Processing Techniques
- Research – 1
- Research – 2
- Publication – 1
- Publication – 2
- Dissertation Proposal
- Result Seminar*
- Eligibility Examination**
- Closed Examination (Dissertation)

* Has been published in the SINTA 2 Accredited National Journal or Indexed Proceedings (1)

** Has been published in Reputable International Journals (1) and in SINTA 2 Accredited National Journals or Indexed Proceedings (1)

By Research Program

- Research – 1
- Research – 2
- Research – 3
- Publication – 1
- Publication – 2
- Publication – 3
- Result Seminar*
- Eligibility Examination**
- Closed Examination (Dissertation)

* Has been published in Reputable International Journals (1) and SINTA 2 Accredited National Journals or Indexed Proceedings (1)

** Has been published in Reputable International Journals (2) and in National Journals Accredited SINTA 2 or Indexed Proceedings (1)

Head of Doctoral Program

Prof. Dr.T. Ir. Aji Prasetyaningrum S.T., M.Si.

LECTURERS

Prof.Dr.Ir. Bakti Jos DEA
 Prof. Dr. Ir. Purwanto DEA
 Prof. Ir. Abdullah M.S., Ph.D.
 Prof. Dr.rer.nat. Heru Susanto S.T., M.M., M.T.
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 Dr. techn. Asep Muhamad Samsudin S.T., M.T.

SECRETARIAT OF CHEMICAL ENGINEERING DOCTORAL PROGRAM

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Diponegoro University

Chemical Engineering Doctoral Program



VISION AND GOALS

Producing doctoral graduates who are able to compete in developing new knowledge, technology, and/or art in their scientific fields or professional practices through research, to produce creative, original, and tested works, able to solve problems of new knowledge, technology and/or art in their scientific fields through inter, multi, and transdisciplinary conversations, and able to manage, lead, and develop research and development that is beneficial for the welfare of humanity, and able to gain national and international recognition.

RESEARCH FIELD

Research in the chemical engineering doctoral program is divided into:

1. Separation and Membrane Technology
2. Food and Drying Technology
3. New and Renewable Energy Technologies
4. Water and Waste Treatment Technology
5. Materials Technology
6. Reaction and Catalyst Technology
7. Bioprocess Technology

REGISTRATION

Information regarding postgraduate program registration at Diponegoro University can be accessed via the following page:
<https://pmb.undip.ac.id/>

PROFILE

- Supported by 4 internationally reputable journals indexed by SCOPUS and DOAJ
- Intensive guidance from promoters and co-promoters
- Research Laboratory Facilities and Research Groups: Biomass and Renewable Energy (BIORE), Membrane Research Center (MeR-C), Chemical Reaction Engineering & Catalyst (CREC), Food Engineering Cluster (KAREP), Institute of Food and Remedies Biomaterial (INFARMA), Advance Material Laboratory (AmAL), Modern Drying Research Center (MDRC)

TERMS

The Doctoral Program in Chemical Engineering accepts students with a Master's degree in: Chemical Engineering, Environmental Engineering, Mechanical Engineering, Food Technology, Energy Engineering, Biology/Biotechnology, Chemistry, Agricultural Technology with a minimum GPA of 3.00. Students with a non-related scientific background are required to take matriculation.

ADDITIONAL TERMS

- 2 Academic recommendations from senior lecturers/researchers with Professor/Doctorate degrees
- Attach pre-research proposal*
- A letter of guarantee of funding availability on stamped paper
- CV stating scientific works/publications that have been produced
- For those who are already working, include a letter of recommendation from their superior
- For graduates of master's programs from Overseas Universities, their diplomas must be equalized by the Directorate General of Higher Education, Ministry of Research, Technology and Higher Education

*for the pre-research format, please see the following page:
<https://tekim.ft.undip.ac.id/>



TUITION FEE

• Single Tuition Fee - By Course

Regular Program Rp 15.000.000,-
Joint Program Rp 15.000.000,-
International Program Rp 20.000.000,-

• Single Tuition Fee - By Research

Regular Program Rp 15.000.000,-
Joint Program Rp 20.000.000,-
International Program Rp 20.000.000,-

• Institutional Development Fee

SPI Rp 5.000.000,-

• Matriculation Fee

Matriculation Rp 6.000.000,-