

Online registration at:
www.um.undip.ac.id

General Admission Requirements:

1. GPA > 3,00
2. Curriculum Vitae
3. Academic recommendation
4. Legalized academic transcript and certificate of bachelor graduation (2 copies)
5. Letter of guarantee for finishing study
6. Qualified health status examination letter from local or hospital general practitioner
7. Letter of permission to do study from the current institution (if the applicant is working in a certain institution)
8. Brief proposal

Additional Requirements :

1. Graduate from Medicine, Biology, Pharmacy, Nursery, Midwifery, Psychology or other equivalent degree.
2. Proof of English proficiency (ie: TOEFL, IELTS)
3. Photo color size and number as mentioned below:
 - a. 3x3 = 4 pieces
 - b. 3x4 = 2 pieces

Starting of the Course/Lectures

Lectures will be started in September.

Contact Persons

Please contact our secretariat for more information:

Ardina Aprilani, S.Sos

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Nata Sulastr

Master of Biomedical Science, Faculty of Medicine Diponegoro University

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Executive Administrators

Director : Prof. Sultana MH Faradz, MD, PhD

Secretary : Tri Indah Winarni, MD, M.Sc, PhD

Lecturers

1. Prof.dr. Sultana MH Faradz, PhD
2. Prof.Dr.dr. Susilo Wibowo, MS.Med, Sp.And
3. Prof.Frans Cremers, PhD (The Netherlands)
4. Prof.dr. Sofia Mubarika, M.Med.Sc, PhD (UGM, Yogyakarta)
5. Prof.dr.Herawati Sudoyo, PhD (Eijkman Inst., Jakarta)
6. Prof.dr. Edi Dharmana, MSc, PhD
7. Prof.dr. Sigit Muryono, PAK
8. Prof.dr. Lisyani Suromo, Sp.PK (K)
9. Prof.dr. Ag. Soemantri, Sp.A(K)
10. Dr.dr. Syarief Thaufik H, Sp.OG, KFER, M.Si.Med
11. Helger Yntema, PhD (The Netherlands)
12. Inneke van der Burgt, MD, PhD (The Netherlands)
13. dr. Iswari Setianingsih, PhD (Eijkman Inst., Jakarta)
14. Dr.dr. Damayanti Rusli Sjarif, Sp.A(K) (UI, Jakarta)
15. Drs. Karyono, Psi, Msi
16. Dr.Dra. Hastaning Sakti, M.Kes
17. Costrie Ganes Widayanti, S.Psi, M.Si.Med
18. dr. Ismed Yusuf, Sp.KJ
19. dr. Sofwan Dahlan, Sp F
20. dr. Herman Kristanto, MS, Sp.OG (K)
21. dr.Dani Rahmawati, Sp.S(K)
22. dr. Alifiani Hikmah Putranti, Sp.A (K)
23. dr. Noor Wijayahadi, M.Kes
24. Dr.dr. Asri Purwanti, Sp.A (K), M.Pd
25. Drs.Med.Muh. Wadjdi, PAK(K)
26. Dr.dr. Tjokorda Gde Dalem Pemayun, Sp.PD-KEMD
27. Dr.dr. K. Heri Nugroho Harioseno, Sp.PD
28. dr. A. Zulfa Juniarto, M.Si.Med, SP.And, PhD239.
29. dr. Neni Susilaningsih, M.Si
30. Dr.dr. Tri Indah Winarni, MSi.Med, PA
31. dr. Farmaditya E.P. Mundhofir, M.Si.Med, PhD
32. dr. Bahrudin, M.Si.Med, PhD
33. Dr. dr. Agustini Utari, M.Si.Med, Sp.A(K)
34. Dr.dr. Mexitalia Setiawati, Sp.A(K)

Others guest speakers from Indonesia or overseas will be arranged on special purpose.



FACULTY OF MEDICINE DIPONEGORO UNIVERSITY

Study Program

Master of Biomedical Sciences

Majoring in Genetic Counseling

<http://um.undip.ac.id>

Background

Genetic Counseling is a communication process which deals with the human problems associated with the occurrence, or risk of recurrence in a family, of a disorder that may be genetic. Students undertaking the masters program learn research methods by both instruction and direct participation in a project in clinical genetics or genetic counseling. As we all understand that in Indonesia up to now there is no professional genetic counselor in the hospital as well as in private clinic. Patients suffered from genetic diseases and their families need thorough information about the disorders and its inheritance. Clinicians such as pediatrician, obstetric-gynecologist and neurologist probably do not have much time to spend with the patients. Professional genetic counselor with broad knowledge on basic medical genetic should be available in the hospital to help the patient.

Medical Faculty of Diponegoro University in formal collaboration with Radboud University Nijmegen Medical Centre The Netherlands and to some extent collaboration with Erasmus Medical Center, Rotterdam The Netherlands; VU University Medical Centre, Amsterdam The Netherlands; Medical Investigation for Neurodevelopmental Disorders (MIND) Institute, University of California Davis, USA; Melbourne University/Murdoch Children Research Institute, Australia; KK Women's and Children's Hospital, Singapore; Universiti Kebangsaan, Malaysia; Tottori University, Japan; University of Poitiers, France ; and Prince of Wales Hospital, Sydney Australia and Post Graduate Program Diponegoro University would like to start with this new field in Indonesia.

The Aims of Program

The program aims to provide candidates with the appropriate knowledge, skills and attitudes for a career in genetic counseling. It is applicable to health professionals working with people with genetic problems. Through theoretical, practical work and research students are able to acquire a clear understanding of basic genetic mechanism, the way in which these mechanism can be studied and observed in humans, as well as learning to use and apply this knowledge in the practice of genetic counseling.

Program Duration

Two years full-time. Students are expected to have completed a Bachelor Degree in Medicine, Biology, Pharmacy, Nursery, Midwifery, Psychology or other equivalent degree

Lectures and Practical Work

The Master's Course in Genetic Counseling earns 44 semester credit units (SCU). For first year, lectures and practical work both laboratory and clinic; and runs for a second year, consisting of a research project and writing up a thesis. Lectures will be given as weekday lecture. Module and handout will be provided in advance. Lecture will be given in Bahasa Indonesia and English. Practical for laboratory work will be carried out in Center for Biomedical Research, Medical Faculty Diponegoro University. Clinical experience can be followed in Dr.Kariadi Hospital and Special School for children with developmental disability. Schedule for practical work will be arranged upon the end of 2nd semester.

Field of Research

Research Project include an investigation into the incidence of Fragile X syndrome and other genetic mental retardation; multiple congenital malformation and children with developmental delayed; ambiguous genitalia such as Androgen Insensitivity syndrome, Congenital Adrenal Hyperplasia, Klinefelter Syndrome and the psychological impact of ambiguous genitalia; mutations or risk factor in the obstetric and gynecology problems such as infertility, multiple spontaneous abortion, prenatal diagnosis and tumor gynecologist; the implementation of genetic screening for other genetic diseases such as Mendelian Inheritance, risk factor for multifactorial causes, cardiovascular, cancer genetics and metabolic syndrome and others.

Admission Criteria:

- 1. Admission to the program will be subject to satisfactory performance in an interview with a program selection committee. Candidates may be directed to attend lectures or seminars, or to undertake other studies, which may be necessary for successful completion of the research or the thesis.
- 2. TOEFL test with mark not less than 500.
- 3. Fee :
 - a. Admission fee
 - i. Rp 5.000.000,- (Admission fee for S2 program from 1st-3rd semester)
 - ii. Rp 2.000.000,- (Admission fee for post graduate program)
 - b. Tuition fee
 - i. Rp 5.000.000,- (tuition fee/semester)
- 4. International students are advised to contact the International Office.

Program Descriptions:
The first year of the program (semester 1 and 2) consist of 28 semester hours and the second year programs consist of 20 semester hours.

Subject	Semester Credit Unit	Semester
Clinical Genetics	6	1
Genetics Counseling	6	1
Human Genetics	5	1
Basic Psychology	2	1
Philosophy of Science	1	2
Research Methodology & Evidence Based Medicine (EBM)	4	2
Biostatistic	2	2
The Technique of Writing Thesis & Scientific Publication	1	2
Clinical Experience	4	2
Laboratory practical work	3	2
Proposal Thesis	4	3
Thesis	6	4

Excellent Scholarship Program of the Bureau of Planning and International Cooperation, Ministry of Education and Culture, Republic Indonesia.

Students are offered to apply for 'Beasiswa Unggulan', a scholarship program provided by Indonesian Government Ministry of Education when they are admitting in this Master Program. Several selections will be performed to determine which students are eligible for the scholarship. Further information regarding this scholarship can be found in website <http://beasiswaunggulan.kemdiknas.go.id/>

