

INTRODUCTION

Carry out development that does not damage the environment and concern about the next generation have been actually mandated by the State Policy Guidelines Republic of Indonesia in 1973. However, at implementation level, the implementation of development is a more focused aspect on economic growth and ignore the environmental as well as social aspects. This resulted in the depletion of natural resources, biodiversity, increasing pollution and environmental damage that trigger the environmental disasters such as floods, landslides and drought. Meanwhile, the various effects caused by global warming and climate change threat human life. In the era of globalization, free trade and regional autonomy, environmental aspects become central issues, in addition to the issue of depletion of energy reserves and declining water quality and quantity. To respond the above issues, education that is able to instill knowledge, ethics and discovered a new theory in environmental management is necessary. Doctoral Program of Environmental Science (PDIL) UNDIP stands with license letter from Director General of Higher Education. 2782/D/T/2008 and pioneered by the Manager and Lecturer of Master Program of Environmental Science Diponegoro University, is facilitated to achieve that goal. Doctoral Program of Environmental Science establishment is in line with the vision towards the Research University.

OBJECTIVES

Our graduates are expected to have capabilities in

- (1) Able to develop knowledge, and demonstrate environmental science to the community
- (2) Able to develop research methods for the development of environmental science
- (3) Able to develop environmental management policies for the public interest through government, industry, and company

CREDIT SYSTEM & LENGTH OF STUDY

Doctoral Program of Environmental Science pursued for three years or six semesters with 47 credits.

EDUCATION SYSTEM

Doctoral Program of Environmental Science is conducted by the semester credit system through the courses for 2 semesters and then proposal preparation, research, preparation of the dissertation of 4 semesters.

SUBJECT OF COURSES

Due to various background of new students, it is required to have matriculation knowledge to give basic understanding of environment.

Matriculation

Code	Courses	Credit
-	Basic Understanding of Ecology	NC
-	Human Ecology	NC
-	Industrial Ecology	NC
-	Spatial and Environmental	NC

Code	Courses	Credit
-	Dimensions of Pollution and Environmental	NC

Note : N.C : Non Credit

1st Term

Code	Courses	Credit
C IL 2 3 811	Philosophy of Science and Research Methodology	3
C IL 2 3 812	Ecology and Global Environmental Change	3
C IL 2 3 813	System Analysis and Environmental Modelling	3

2nd Term

Code	Elective Courses (*)	Credit
C IL 2 3 82x	Elective Course 1	2
C IL 2 3 82x	Elective Course 2	2
C IL 2 3 828	Scientific Articles Writing	3
C IL 2 3 829	Proposal Writing	3

3th Term

Code	Courses	Credit
C IL 2 3 834	Research 1 and Seminar of Result Phase 1	4
C IL 2 3 836	Scientific Publications 1	2

4th Term

Code	Courses	Credit
C IL 2 3 842	Research 2 and Seminar of Result Phase 2	3
C IL 2 3 843	Scientific Publications 2	3

5th Term

Code	Courses	Credit
C IL 2 3 851	Research 3 and Seminar of Result Phase 3	3
C IL 2 3 852	Dissertation Feasibility Examination	2
C IL 2 3 853	Scientific Publications 3	3

6th Term

Code	Courses	Credit
C IL 2 3 861	Dissertation Defence	5
C IL 2 3 862	Doctoral Promotion	3

Code	Elective Courses	Credit
C IL 2 3 821	Environmental Planning	2
C IL 2 3 822	Environmental Ethics	2
C IL 2 3 823	Environment Management	2
C IL 2 3 824	Audit and Environmental Management System	2
C IL 2 3 825	Concepts of Pollution Control and Environmental Degradation	2
C IL 2 3 826	Biodiversity and Ecosystem	2
C IL 2 3 827	Energy and Environmental	2

ENTRY REQUIREMENT

Doctoral Program of Environmental Science is a multientry program. Entering the program, candidates should have graduated in any disciplines with

1. Minimum GPA of 3,00 or have worked in the field related with environment
2. Submit Enrollment application, with attachment of two copies of legalized graduate academic certificate and transcript
3. Submit Synopsis conducted the Research
4. Two copies of color photo (size 4 x 6)

RESEARCH AND COMMUNITY SERVICE

Doctoral Program of Environmental Science, Diponegoro University actively conducts research and community service in cooperation with government, private institutions and NGOs in the field of environment and community development. Since 2006, this program becomes member of SEE (Sustainable Energy and Environment) Forum. SEE Forum is Asia Pacific Academic and Science and Technological Forum that brings forward dialogue on global climate and energy security issues.

ADDRESS

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DOCTORAL PROGRAM OF ENVIRONMENTAL SCIENCE POSTGRADUATE PROGRAM DIPONEGORO UNIVERSITY, SEMARANG INDONESIA

