

MODUL HANDBOOK ENVIRONMENTAL IMPACT ANALYSIS



MASTER PROGRAM OF ENVIRONMENTAL SCIENCE
SCHOOL OF POSTGRADUATE STUDIES
DIPONEGORO UNIVERSITY

Module Description:

Module designation	Environmental Impact Analysis
Semester(s) in which the module is taught	2 nd Semester
Person responsible for the module	Dr. Dwi P. Sasongko, M.Si. Prof. Sudharto P. Hadi, MES, Ph. D Dr. Drs. Subagiyo, M.Si Dr. dr. Purwanto Adhipireno, SpPK(K)
Language	Indonesian and English
Relation to curriculum	<ul style="list-style-type: none">• Compulsory for Environmental Planning Concentration/Specialization• Compulsory for Environmental Management Concentration/Specialization• Compulsory for Environmental Engineering Concentration/Specialization• Compulsory for Disaster Management Concentration/Specialization
Teaching methods	Mix Method or Blended Learning by incorporating Lecture Based-learning, Student Centred-Learning and Technological Learning <ul style="list-style-type: none">• Lecture Based-Learning: teacher lead a lesson by using presentation, showing visual• Student Centred-Learning: teacher promote individual learning so that student can exploring individual idea• Technological Learning, teacher leads to use high technology in information such as by exploring, utilizing internet/searching engine and social media.
Workload (incl. contact hours, self-study hours)	<ul style="list-style-type: none">• Lecture, 3 hours per week• Discussion and presentation (Q&A), 1,5 hours per week• Individual assignment, 5 hours per week• Total workload for semester = 150 hours
Credit points	3 Credits / 6 ECTS
Required and recommended prerequisites for joining the module	No required prerequisite
Module objectives/intended learning outcomes	<ul style="list-style-type: none">• Able to formulate environmental management theory to addressing environmental change and its impact• Able to formulate and carry out scientific research to solve environmental change and negative its impact• Able to formulate environmental management policies to

	<p>control environmental change and its negative impact</p> <ul style="list-style-type: none"> • Able to formulate rules, methods to improve the quality of life. • Able to analysis environmental conditions, propose alternative environmental policies and carry out implementation studies and environmental evaluations
Content	The EIA course discusses the basic concepts and objectives of EIA, management of EIA and related regulations, implementation of EIA, preparation of EIA documents and related methodologies, as well as assessment of EIA document.
Examination forms	<ul style="list-style-type: none"> • Case studies • Interviews • Practicals.
Study and examination requirements	Lecture attendance of at least 75%.
Reading list	<ol style="list-style-type: none"> 1. Indasah (2020). Environmental Impact Analysis. Deepublish Publisier. Yogyakarta. Indonesia 2. Glasson, J, and Therivel, R. (2019). Introduction to Environmental Impact Analysis. Routledge 3. Rizal, R. (2016). Environmental Feasibility Study. 3rd edition. Jakarta 4. Ministry of Environmentand Forestry. (2016). Sets Environmental Regulations. 5. Heritage, S. N. (2013). A handbook on environmental impact assessment. Guidance for Competent Authorities, Consultees and others involved in the Environmental Impact Assessment Process in Scotland, Scotland. 6. Morgan, R. K. (2012). Environmental impact assessment: the state of the art. Impact assessment and project appraisal, 30(1), 5-14. 7. Petts, J. (Ed.). (2009). Handbook of Environmental Impact Assessment, Volume 2: Impact and Limitations (Vol. 2). John Wiley & Sons. 8. Jay, S., Jones, C., Slinn, P., & Wood, C. (2007). Environmental impact assessment: Retrospect and prospect. Environmental impact assessment review, 27(4), 287-300. 9. Soemarwotto, O. (2005). Environmental Impact Analysis. Gadjah Mada University Press, Yogyakarta. 10. Suratmo, GF 1998. Environmental Impact Analysis, 8th Edition, Gadjah Mada University Press, Yogyakarta

	<p>11. Carroll, B., & Turpin, T. (2002). Environmental impact assessment handbook: A practical guide for planners, developers and communities. Thomas Telford.</p> <p>12. Canter, LW (1996). "Environmental Impact Assessment", 2nd Edition. McGraw-Hill, New York.</p>
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