

COURSE	Name	: Scientific Writing
	Code	: EE185201
	Credit(s)	: 2
	Semester	: II

Description of Course

Scientific Writing course discusses the method of writing scientific documents, especially for thesis proposals at the master level. Lecture materials include various, characteristics and functions of scientific documents and parts of scientific documents. Indonesian language citation, plagiarism and grammar will also be discussed. Through this lecture students will develop the skills to write academic documents that are useful for their future success.

Learning Outcomes**Knowledge**

(P02) Mastering engineering concepts and principles to develop the necessary procedures and strategies for systems analysis and design in the areas of power systems, control systems, multimedia telecommunications, electronics, intelligent multimedia network, or telematics.

Specific Skill

(KK01) Being able to formulate engineering problems with new ideas for the development of technology in power systems, control systems, multimedia telecommunications, electronics, intelligent multimedia network, or telematics.

General Skill

(KU03) Being able to formulate ideas, result of thought, and scientific arguments in a responsible and academic manner, and communicate them through the media to the academic community and the wider community.

Attitude

(S09) Demonstrating attitude of responsibility on work in his/her field of expertise independently.

Course Learning Outcomes**Knowledge**

Being able to recognize and describe an academic document.

Specific Skill

Being able to describe procedures for making academic documents.

General Skill

Being able to make an academic document.

Attitude

Demonstrating an attitude of being responsible for work in his area of expertise independently.

Main Subjects

1. Introduction: types, functions and characteristics of scientific documents.
2. Parts of scientific documents: opening (front matter).
3. Parts of scientific documents: contents or torso (body).
4. Parts of scientific documents: cover (end matter).

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5. Illustration on scientific documents.
 6. Citation: source, writing, and plagiarism.
 7. Indonesian language spelling and grammar: spelling, words, sentences, and paragraph.

Reference(s)

- [1] Program Pasca Sajana ITS, Pedoman Penyusunan Tesis Tahun 2014.
- [2] Tim Pengembang Pedoman Bahasa Indonesia, PEDOMAN UMUM EJAAN BAHASA INDONESIA, Edisi 4, Badan Pengembangan dan Pembinaan Bahasa Kementerian Pendidikan dan Kebudayaan, 2016.
- [3] Adjat Sakri, Bangun Paragraf Bahasa Indonesia, Penerbit ITB, 1993
- [4] Adjat Sakri, Bangun Kalimat Bahasa Indonesia, Penerbit ITB, 1994
- [5] L.C. Perelman, J. Paradis, and E. Barrett. The Mayfield Handbook of Technical and Scientific Writing. New York, NY: McGraw-Hill, 1997. ISBN: 9781559346474.

Prerequisite(s)

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