



MODULE HANDBOOK DESCRIPTION

Module designation	<i>Occupational Health & Safety</i>	
Code	<i>FBA0014</i>	
Semester(s) in which the module is taught	<i>7 / fourth year</i>	
Person responsible for the module	<i>Dr. Ida Ayu Sri Adnyani, S.T.,M.Erg.</i>	
Language	<i>Indonesian</i>	
Relation to curriculum	<i>Compulsory for Electrical Power System</i>	
Teaching methods	<i>Lecture, small group discussion, case study, contextual instruction, Problem based learning</i>	
Workload (incl. contact hours, self-study hours)	Contact minutes every week, each week of the 16 weeks/semester: <ul style="list-style-type: none"> ● Lectures: 2 x 50 minutes ● Exercises and Assignments: 2 x 60 minutes ● Private study: 2 x 60 minutes. total study hours = 5 hours 40 minutes/week	
Credit points	<i>2 SKS (~ 3,2 ECTS)</i>	
Required and recommended prerequisites for joining the module	-	
Module objectives/intended learning outcomes	<i>1. Students are able to explain the concepts of occupational safety and health</i>	<i>PLO3, PLO4</i>
	<i>2. Students are able to use the rules and regulations the occupational safety and health</i>	<i>PLO3, PLO9</i>
	<i>3. Students are able to analysis hazard in the work environment</i>	<i>PLO3, PLO4</i>

	4. <i>Students are able to manage the occupational safety and health management system</i>	<i>PLO3, PLO4</i>
	5. <i>Students are able to value occupational safety and health in the field of electricity</i>	<i>PLO3, PLO4, PLO9</i>
Content	<p>1.</p> <p><i>a. Introduction of occupational safety and health</i></p> <p><i>b. Occupational accidents and diseases</i></p> <p><i>Standardisation of electrical work safety and health</i></p> <p><i>Occupational safety and health at the substation</i></p>	
	<p>2. <i>a. Rules and regulations the occupational safety and health</i></p> <p><i>b. Standardisation of electrical work safety and health</i></p>	
	<p>3.</p> <p><i>a. identification of potential hazards, risk assessment and control in the work environmental</i></p> <p><i>b. Hazard Identification Risk Assessment Determining Control (HIRADC)</i></p>	
	<p>4. <i>Occupational safety and health Management system (SMK3):</i></p> <p><i>a. Policy determination, planning, implementation, monitoring and evaluation of occupational safety and health performance.</i></p> <p><i>b. Continuous improvement of occupational safety and health management system</i></p>	
	<p>5. <i>Occupational safety and health at the substation</i></p> <p>6. <i>Occupational safety and health program Design</i></p>	
Examination forms	<ul style="list-style-type: none"> - <i>Written and oral case study</i> - <i>Written project study</i> - <i>Midterm and final test</i> 	
Study and examination requirements	<p><i>The final grade in the module is composed of:</i></p> <p><i>a. Case assessment: 15%</i></p> <p><i>b. Project assessment: 35%</i></p> <p><i>c. Midterm assessment: 25%</i></p> <p><i>d. Final assessment: 25%</i></p>	

Reading list	<ol style="list-style-type: none">1. Suma'mur P.K. (1995). Keselamatan Kerja dan Pencegahan Kecelakaan. Jakarta: PT Toko Gunung Agung2. Lestari, M.I. dan Effendi, Y. (2005). Himpunan Peraturan Perundan Keselamatan dan Kesehatan Kerja. Vers.0.1 PortalK3.Com http://www.portalk3.com3. International Labour Organization, (2013). Keselamatan dan Kesehatan Kerja Sarana untuk Produktivitas (Pedoman Pelatihan untuk Manajer dan Pekerja), Modul Lima. Edisi Bahasa Indonesia4. Ismara,K.I., dan Prianto, E. (2016). Keselamatan dan kesehatan kerja di Bidang Kelistrikan Electrical Safety. CV. ADIMEKA (Adicandra Media Grafika)
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