



**MODULE HANDBOOK DESCRIPTION**

Module designation	<i>Occupational Health &amp; 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 <i>Electrical Power System</i></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"> <li>● Lectures: 2 x 50 minutes</li> <li>● Exercises and Assignments: 2 x 60 minutes</li> <li>● Private study: 2 x 60 minutes.</li> </ul> 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"> <li>- <i>Written and oral case study</i></li> <li>- <i>Written project study</i></li> <li>- <i>Midterm and final test</i></li> </ul>	
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"><li>1. Suma'mur P.K. (1995). Keselamatan Kerja dan Pencegahan Kecelakaan. Jakarta: PT Toko Gunung Agung</li><li>2. Lestari, M.I. dan Effendi, Y. (2005). Himpunan Peraturan Perundan Keselamatan dan Kesehatan Kerja. Vers.0.1 PortalK3.Com <a href="http://www.portalk3.com">http://www.portalk3.com</a></li><li>3. International Labour Organization, (2013). Keselamatan dan Kesehatan Kerja Sarana untuk Produktivitas (Pedoman Pelatihan untuk Manajer dan Pekerja), Modul Lima. Edisi Bahasa Indonesia</li><li>4. Ismara,K.I., dan Prianto, E. (2016). Keselamatan dan kesehatan kerja di Bidang Kelistrikan Electrical Safety. CV. ADIMEKA (Adicandra Media Grafika)</li></ol>
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