

Course Code	TKEE162203P							
Course Name	Basic Electric Machine Lab Work							
Course Instructors	Sarjiya, F. Danang Wijaya, Sasongko Pramono Hadi, Eka Firmansyah, Lesnanto Multa Putranto							
Course Type	Required							
Course Classification	Engineering Topics							
Credit / Contact Hour per Week	1 / 150 minutes per Week							
Course Description	In this labwork, the students are introduced to the basic electric machine and its testing methods.							
Prerequisites Courses	Basic Electric Machine (TKEE162203)							
Covered Student Outcome	Data and Experiment (d) Multidiciplinary Teamwork (h)							
Learning Outcome	<ol style="list-style-type: none"> Students are able to demonstrate the basic electromagnetic principles of electric machines and the underlying principle of its testing method Students are able to gather data regarding the basic electric machine performance Students are able to conduct measurement and testing of electrical machines in groups 							
Topic	<ol style="list-style-type: none"> Tes Polaritas dan Penentuan Perbandingan Transformasi, Penentuan Nilai Parameter Rangkaian Ekuivalen pada Transformator Generator DC Medan Terpisah, Generator DC Shunt, Motor DC Shunt Pengujian Tanpa Beban Motor Induksi, Pengujian Block Rotor Motor Induksi Pengujian Berbeban Motor Induksi Sangkar Tupai Pengujian Tanpa Beban dan Berbeban Motor Sinkron, Pengujian Generator Sinkron 							
Direct Asessment	<table border="1"> <thead> <tr> <th>Direct Asessment Plan</th> <th>Measured Learning Outcome</th> </tr> </thead> <tbody> <tr> <td>Lab Work Report</td> <td>LO1 LO2 LO3</td> </tr> <tr> <td>Pretest</td> <td>LO1 LO2 LO3</td> </tr> </tbody> </table>		Direct Asessment Plan	Measured Learning Outcome	Lab Work Report	LO1 LO2 LO3	Pretest	LO1 LO2 LO3
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Lab Work Report	LO1 LO2 LO3							
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Indirect Assesment	Questionnaire (EDOM)							
References	<p>[1] Chapman, Stephen J., 2005, Electric Machinery Fundamentals, 4th., McGraw-Hill</p> <p>[2] Wildi, Theodore. 2002. Electrical Machines, Drives, and Power Systems, 5th., Prentice Hall</p>							