Course Code		TKEE163245P	
Course Name		Advanced Control Lab Work	
Course Instructors		Adha Imam Cahyadi; Oyas Wahyunggoro	
Course Type		Selected Elective	
Course Classification		Engineering Topics	
Credit / Contact Hour per Week		1 / 150 minutes per Week	
Course Description		In this Lab Work, the students are introduced to the common structure in industrial control system. The aim is to equip students with the capability to implement control system in industrial context.	
Prerequisites Courses			
Covered Student Outcome		Engineering Design (c)	
		Data and Experiment (d)	
		Modern Tools Utilization ( e )	
		Multidisciplinary Teamwork (h)	
Topic Direct Asessment	<ol> <li>Students are able to demonstrate control principles into actual solution for simple industrial control problem</li> <li>Students are able to perform experiments to measure the performance of their proposed control solution</li> <li>Students are able to cooperate in a teamwork while preparing equipments</li> <li>Simulasi Ladder Diagram</li> <li>Timer</li> <li>Analog Input, Bit Memory, Counter</li> <li>Pengendali level dengan NI myRio</li> <li>Pengendali motor DC dengan NI myRio</li> </ol>		
Direct Asessment	Direct Asess	ment Plan	Measured Learning Outcome
	Lab Work Rep		LO1 LO2 LO3
	Pretest	0010	L01 L02 L03
	Post Test		LO1 LO2 LO3
Indirect Assesment	Questionnaire (EDOM)		1
References	<b>1</b>		
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