Course Code		TKIT165112	
Course Name		Mobile Communications System	
Course Instructors		Wahyu Dewanto	
Course Type		Selected Elective	
Course Classification		Engineering Topics	
Credit / Contact Hour	per Week	3 / 150 minutes per Week	
Course Description		The course of the Mobile Communication System is an elective	
		course in the final semester. Therefore the teaching method	
		taken from reference with demonstrations discussion materials thing. In this course will be	on the discussion. Discussion materials books, journals, internet, etc. coupled / field trips. The task of writing the in paper and power point is an absolute e discussed everything related to mobile
		system. Because the	tem, especially cellular communication development of technology in this field is the discussion is not limited to the basic
		system, but also the latest systems and technologies that are commonly found in everyday use.	
Prerequisites Courses		Communication System & Telecommunications Technics	
Covered Student Ou	itcome		neering Knowledge (a)
		Modern Tools Utiliz	
		Knowledge of Cont	emporary Issues (f)
	cellular syst		ne important parts of satellites and r system in a place
Topic Direct Asessment	 Satellite Int Satellite Ha Types of Sat Types of Sat Types of Sat Types of Sat Basic Designing Standard ar Propagation Modulation Chapter V) Techniques Communica Smart Cell of Technology WIMAX, LT Smart Netw 	ardware tellites tellites tellites n of Mobile Communicat of Radio Waves Outsid Techniques In Mobile (to Improve the Signal (tions Systems (Rappap Concept and Its Applicat in Mobile Communicat TE, OFDM Technology in york For Mobile Communicat	ation System (Rappaport Chapter I and ion System (Rappaport Chapter X) de and Indoors (Rappaport Chapter III) Communications Systems (Rappaport Quality of Admission in Mobile bort Chapter VI) ation and Intelligent Antenna ions Systems. in Mobile Communications Systems unications
	Direct Asess Mid Exam Final Exam	ment Plan	Measured Learning Outcome L01,L03 L02
Indirect Accomment	Questiennaire	and direct communication	l
Indirect Assesment References		and direct communicati	, Satellite Technology: Principles and
116161611069			Viley and Sons, Ltd.Publ, United

2. 3.	Kingdom Rappaport,T.S., 1996, Wireless Communications: Principles and Practice, IEEEPRESS, New York. Lee, W.C.Y., 2006, Wireless & Cellular telecommunications, 3 rd edition,Mc Graw Hill Intl, Singapore
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