

MODULE HANDBOOK

Module Name	Computer Network Administration Lab Work	
Module level, if applicable	Undergraduate	
Code, if applicable	02143241015	
Subtitle, if applicable	-	
Courses, if applicable	-	
Semester(s) in which the module is taught	2	
Person responsible for the module	Puspanda Hatta, S.Kom.,M.Eng.	
Lecturer	Puspanda Hatta, S.Kom.,M.Eng.	
Language	Indonesian and English	
Relation to curriculum	Undergraduate degree program, compulsory course in 2nd semester	
Type of teaching, contact hours	Undergraduate degree program, < 20 students	
Workload	Lecture and Lab Work: 1 x 100 = 100 minutes (1 hours 40 minutes) per week	
Credit points	1 SKS	
Requirements according to the examination regulations	A student must have attended at least 75% of the lectures to sit in the exams	
Recommended Prerequisites		
Module objectives/intended learning outcomes	After completing this module, a student is expected to:	
	No	Course Learning Outcome
	1	Students are able to operate a network operating system to manage computer network infrastructure according to the TCP/IP concept after studying a router-based network operating system
	2	Students are able to operate servers to manage network services according to the TCP/IP concept after studying the GNU/Linux server-based network operating system
Content	This course studies the management of computer networks using network operating systems. After attending this course, students are expected to understand the tasks of the Network Operation Center (NOC) and be able to manage computer networks using the network operating system and the network services in it which are beneficial for the End-User. • Network operating system • Server Administration	

Study and examination requirements and forms of Examination	Forms of examination:	
	No	Course Learning Outcome
	1	Students are able to operate a network operating system to manage computer network infrastructure according to the TCP/IP concept after studying a router-based network operating system
	2	Students are able to operate servers to manage network services according to the TCP/IP concept after studying the GNU/Linux server-based network operating system
Media employed	LCD, Whiteboard, Power Point Slide Presentation, Practical Guidance Video, websites, etc. (disamakan)	
Reading list	1. Mikrotik Kungfu (Panduan Router Mikrotik Lengkap & Jelas) Kitab 2., By Towidjojo, R, 2013 2. Linux System Administration, By Cobbaut, P, 2007 3. Ubuntu Server Administration (Network professional's library)., By Jang, M. H., 2009 4. Cisco Certified Network Associate Study Guide., By Todd Lammle., 2007 5. CCNA Lab Guide Nixtrain_1st Edition., By Agus Setiawan., 2015	