

MODULE HANDBOOK

Module Name	Praktikum Keamanan Jaringan Komputer													
Module level, if applicable	Undergraduate													
Code, if applicable	02143141025													
Subtitle, if applicable	-													
Courses, if applicable	-													
Semester(s) in which the module is taught	3													
Person responsible for the module	Puspanda Hatta, M.Eng.													
Lecturer	Puspanda Hatta, M.Eng.													
Language	Indonesian and English													
Relation to curriculum	Undergraduate degree program, compulsory course in 3th 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: <table border="1"> <thead> <tr> <th>No</th><th>Course Learning Outcome</th><th>PLO</th></tr> </thead> <tbody> <tr> <td>1</td><td>Students are able to evaluate vulnerabilities on computer network devices</td><td>PLO-10</td></tr> <tr> <td>2</td><td>Students are able to apply security methods on computer network devices</td><td>PLO-10</td></tr> <tr> <td>3</td><td>Students are able to make reporting and recommendations on secure infrastructure on computer network devices</td><td>PLO-10</td></tr> </tbody> </table>		No	Course Learning Outcome	PLO	1	Students are able to evaluate vulnerabilities on computer network devices	PLO-10	2	Students are able to apply security methods on computer network devices	PLO-10	3	Students are able to make reporting and recommendations on secure infrastructure on computer network devices	PLO-10
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Content	Mata kuliah ini mempelajari konsep tentang penerapan keamanan jaringan komputer pada jaringan komputer berbasis TCP/IP. Pada kuliah ini mahasiswa akan mempelajari tentang identifikasi serangan terhadap jaringan komputer serta cara pencegahannya. Mahasiswa diharapkan													

	mampu melakukan evaluasi terhadap keamanan sistem komputer yang dikelola.		
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Study and examination requirements and forms of Examination	Forms of examination:		
	No	Course Learning Outcome	Form of Exam
	1	Mahasiswa mampu melakukan evaluasi vulnerability pada perangkat - perangkat jaringan komputer	Project Portofolio (20%)
	2	Mahasiswa mampu menerapkan metode - metode pengamanan pada perangkat - perangkat jaringan komputer	Study Case Based JobSheet (20%) Project Portofolio (20%)
	3	Mahasiswa mampu membuat reporting dan rekomendasi secure infrastructure pada perangkat jaringan komputer	Study Case Based JobSheet (20%) Project Portofolio (20%)
Media employed	LCD, Whiteboard, Power Point Slide Presentation, Practical Guidance Video, websites, etc.		
Reading list	1. Erickson, Jon (2012). Hacking: The Art of Exploitation, 2nd Edition. San Fransisco: No Starch Press, Inc. 2. EC-Council, Certified Ethical Hacker (CEH). 9th version. EC-Council,2010. 3. Paul Cobbaut (2015). Linux Security. CEST Publishing.		