

Daftar Isi

Kata Pengantar	i
Daftar Isi	iii
Daftar Tabel	vii
Daftar Gambar.....	viii
Daftar Lampiran	x
Abstrak	
BAB I	I-1
PENDAHULUAN	I-1
1.1. Latar Belakang.....	I-1
1.2. Rumusan Masalah.....	I-4
1.3. Tujuan Penelitian	I-4
1.4. Batasan Masalah	I-4
1.5. Manfaat Penelitian	I-5
1.6. Sistematika Penulisan	I-5
BAB II.....	II-1
LANDASAN TEORI.....	II-1
2.1. Definisi <i>Penetration Testing</i>	II-1
2.2. Definisi <i>Wireless LAN</i>	II-2
2.2.1. IEEE 802.11 Standard	II-2
2.2.2. Wireless Station	II-4
2.2.3. Wireless Access Point	II-4
2.2.4. Wireless LAN Mode	II-4

2.2.5. SSID(Service Set Identifier)	II-5
2.2.6. Key Management	II-5
2.2.7. Wireless Encryption	II-6
2.3. Keamanan Jaringan <i>Wireless</i>	II-8
2.3.1. Data Confidentiality	II-10
2.3.2. Integrity	II-11
2.3.3. Authentication.....	II-11
2.3.4. Availability	II-12
2.3.5. Jenis Serangan Terhadap Wireless.....	II-12
2.4. <i>WLAN Penetration Testing List</i>	II-13
2.4.1. Wireless Encryption	II-14
2.4.2. Password Service Jaringan	II-15
2.4.3. MITM(Man In The Middle)	II-17
2.4.4. WEP	II-18
2.4.5. WPA-TKIP and WPA-AES.....	II-18
2.4.6. Local Radius	II-19
2.4.7. Mac Filter	II-20
2.4.8. Network Service Audit.....	II-20
2.5. <i>Wireless Penetration Testing Tools</i>	II-21
2.5.1. Airon-ng.....	II-21
2.5.2. Airodump-ng.....	II-21
2.5.3. Aireplay-ng	II-21
2.5.4. Aircrack-ng	II-22

2.5.5. Mac Changer	II-22
2.5.6. Default Password List	II-22
2.5.7. Crunch	II-22
2.5.8. Whireshark.....	II-23
2.5.9. Ettercap.....	II-23
2.5.10. N-MAP	II-23
2.5.11. Network Minner	II-23
2.5.12. Password List	II-24
2.5.13. Browser.....	II-24
2.5.14. Telnet.....	II-24
2.5.15. Angry IP Scanner	II-24
2.6. Pemilihan Metodologi Penetration Testing	II-25
2.7. Kajian Penelitian Sebelumnya.....	II-26
BAB III	III-1
METODOLOGI PENELITIAN	III-1
3.1. Metodologi Penelitian	III-1
3.1.1. <i>Scope</i>	III-1
3.1.2. <i>Assessment Method</i>	III-2
3.1.3. <i>Preparation</i>	III-8
3.2. <i>Assessment</i>	III-11
3.2.1. <i>Information Gathering</i>	III-11
3.2.2. <i>Analysis and Research</i>	III-14
3.2.3. <i>Exploit and Attack</i>	III-15

3.2.4. <i>Reporting and Presentation</i>	III-19
3.2.5. <i>Clean Up and Destroy Artifact</i>	III-20
BAB IV	IV-1
HASIL DAN PEMBAHASAN	IV-1
4.1. Hasil Pengumpulan Data Awal	IV-1
4.1.1. Data Wilayah Kelurahan Nagarawangi	IV-1
4.1.2. Data Tempat Penelitian	IV-3
4.2. Perencanaan	IV-9
4.2.1. Perjanjian dan Izin	IV-9
4.2.2. <i>WLAN Penetration List</i>	IV-9
4.3. <i>Assessment</i>	IV-10
4.3.1. <i>Information Gathering</i>	IV-10
4.3.2. <i>Analysis and Research</i>	IV-17
4.3.3. <i>Exploit and Attack</i>	IV-29
4.3.4. <i>Reporting and Presentation</i>	IV-29
4.4. <i>Reporting, Clean Up, and Destroy Artifact</i>	IV-32
4.4.1. Reporting	IV-32
4.4.2. <i>Clean Up, and Destroy Artifact</i>	IV-33
4.4.3. Rekomendasi Sistem Keamanan Wifi	IV-34
BAB V	V-1
KESIMPULAN	V-1
5.1. Kesimpulan	V-1
5.2. Saran	V-1

Daftar Pustaka

Lampiran