

DAFTAR ISI

LEMBAR PENGESAHAN	Error! Bookmark not defined.
LEMBAR PERNYATAAN ORISINILITAS	Error! Bookmark not defined.
ABSTRAK	Error! Bookmark not defined.
ABSTRACT	Error! Bookmark not defined.
KATA PENGANTAR	Error! Bookmark not defined.
UCAPAN TERIMA KASIH	Error! Bookmark not defined.
DAFTAR ISI	1
DAFTAR GAMBAR	Error! Bookmark not defined.
DAFTAR TABEL	Error! Bookmark not defined.
DAFTAR ISTILAH	Error! Bookmark not defined.
BAB I PENDAHULUAN	Error! Bookmark not defined.
1.1 Latar Belakang	Error! Bookmark not defined.
1.2 Tujuan	Error! Bookmark not defined.
1.3 Perumusan Masalah	Error! Bookmark not defined.
1.4 Batasan Masalah	2
1.5 Metodologi Penelitian	3
1.6 Sistematika Penulisan	4
BAB II LANDASAN TEORI	5
2.1 Single Sign On (SSO)	5
2.2 <i>Lightweight Directory Access Protocol (LDAP)</i>	5
2.3 <i>CAS (Central Authentication Service)</i>	7
2.4 CAPTCHA	7
2.5 HTTP (Hypertext Transfer Protocol)	8
2.6 HTTPS (Hypertext Transfer Protocol Secure).....	9
2.7 CMS Joomla	9
2.8 Brute Force.....	10

2.9	Man In The Middle Attack	11
2.10	Wireshark	12
2.11	Cain & Abel	12
BAB III PERANCANGAN SISTEM		14
3.1	Perancangan Sistem	14
3.1.1	Perancangan dan Impementasi Sistem Eksisting	15
3.1.2	Perancangan dan Implementasi Perbaikan Sistem Eksisting	Error! Bookmark not defined.7
3.1.3	Konfigurasi CAS Server dan LDAP Server	21
3.1.4	Perancangan Website Pendukung Aplikasi Single Sing On	22
3.1.5	Pembuatan Sistem	23
3.2	Pengujian Keaman Sistem	24
3.2.1	Brute Forcce	25
3.2.2	Man In The Middle Attack	26
3.2.3	LDAP Injection	27
BAB IV PENGUJIAN DAN ANALISA		28
4.1	Pengujian Authentifkasi Single Sign On	28
4.2	Pengujian Keamanan Sistem	30
4.2.1	Pengujian Brute Force Attack	30
4.2.2	Pengujian Man In The Middle Attack	37
4.2.3	Pengujian LDAP Injection	43
BAB V PENUTUP		47
5.1	Kesimpulan	47
5.2	Saran	48
DAFTAR PUSTAKA		49

LAMPIRAN A

LAMPIRAN B

LAMPIRAN C

LAMPIRAN D